UNITED STATES
DEPARTMENT OF AGRICULTURE

NATIONAL AGRICULTURAL STATISTICS SERVICE

AGRICULTURAL STATISTICS 2019

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON: 2019

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Agricultural Statistics 2019

Agricultural Statistics, 2019 was prepared under the direction of Jackie Ross, Secretatary of the Agricultural Statistics Board, National Agricultural Statistics Service. Carolyne Foster, Phoebe Hilliard, Sherrie Pendarvis, Tanya Ray, and Vincent Davis were responsible for coordination and technical editorial work.

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We gratefully acknowledge the cooperation of the contributors to this publication. Source notes below each table credit the various Government agencies which collaborated in providing information.

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Introduction

Agricultural Statistics is published each year to meet the diverse need for a reliable reference book on agricultural production, supplies, consumption, facilities, costs, and returns. Its tables of annual data cover a wide variety of facts in forms suited to most common use. The historical series in this volume are generally of data from 2009 and later.

Inquiries concerning more current or more detailed data, past and prospective revisions, or the statistical methodology used should be addressed directly to the agency credited with preparing the table. Most of the data were prepared or compiled in the U.S. Department of Agriculture.

Foreign agricultural trade statistics include Government as well as non-Government shipments of merchandise from the United States and Territories to foreign countries. They do not include U.S. shipments to the U.S. Armed Forces abroad for their own use or shipments between the States and U.S. Territories. The world summaries of production and trade of major farm products are prepared by the U.S. Department of Agriculture from reports of the U.S. Department of Commerce, official statistics of foreign governments, other foreign source materials, reports of U.S. Agricultural Attache and Foreign Service Officers, and the result of office research.

Statistics presented in many of the tables represent actual counts of the items covered. Most of the statistics relating to foreign trade and to Government programs, such as numbers and amounts of loans made to farmers, and amounts of loans made by the Commodity Credit Corporation, etc., are data of this type. A large number of other tables, however, contain data that are estimates made by the Department of Agriculture.

The estimates for crops, livestock, and poultry made by the U.S. Department of Agriculture are prepared mainly to give timely current State and national totals and averages. They are based on data obtained by sample surveys of farmers and of people who do business with farmers. The survey data are supplemented by information from the Censuses of Agriculture taken every five years and check data from various sources. Being estimates, they are subject to revision as more data become available from commercial or Government sources. Unless otherwise indicated, the totals for the United States shown in the various tables on area, production, numbers, price, value, supplies, and disposition are based on official Department estimates. They exclude States for which no official estimates are compiled.

DEFINITIONS

''Value of production'' as applied to crops in the various tables, is derived by multiplying production by the estimated season average price received by farmers for that portion of the commodity actually sold. In the case of fruits and vegetables, quantities not harvested because of low prices or other economic factors are not included in value of production. The word ''Value'' is used in the inventory tables on livestock and poultry to mean value of the number of head on the inventory date. It is derived by multiplying the number of head by an estimated value per head as of the date.

The word ''Year'' (alone) in a column heading means calendar year unless otherwise indicated. ''Ton'' when used in this book without qualifications means a short ton of 2,000 pounds.

WEIGHTS, MEASURES, AND CONVERSION FACTORS

The following table on weights, measures, and conversion factors covers the most important agricultural products, or the products for which such information is most frequently asked of the U.S. Department of Agriculture. It does not cover all farm products nor all containers for any one product.

The information has been assembled from State schedules of legal weights, various sources within the U.S. Department of Agriculture, and other Government agencies. For most products, particularly fruits and vegetables, there is a considerable variation in weight per unit of volume due to differences in variety or size of commodity, condition and tightness of pack, degree to which the container is heaped, etc. Effort has been made to select the most representative and fairest average for each product. For those commodities which develop considerable shrinkage, the point of origin weight or weight at harvest has been used.

The approximate or average weights as given in this table do not necessarily have official standing as a basis for packing or as grounds for settling disputes. Not all of them are recognized as legal weight. The table was prepared chiefly for use of workers in the U.S. Department of Agriculture who have need of conversion factors in statistical computations.

WEIGHTS, MEASURES, AND CONVERSION FACTORS

Commodity	Unit[1]	Approximate net weight	
		U.S.	Metric
		Pounds	*Kilograms*
Alfalfa seed	Bushel	60	27.2
Apples	.....do	48	21.8
Do	Loose pack	38–42	17.2–19.1
Do	Tray pack	40–45	18.1–20.4
Do	Cell pack	37–41	16.8–18.6
Apricots	Lug (brentwood)[2]	24	10.9
Western	4–basket crate[3]	26	11.8
Artichokes:			
Globe	Ctn, by count and loose pack	20–25	9.1–11.3
Jerusalem	Bushel	50	22.7
Asparagus	Crate (NJ)	30	13.6
Avocados	Lug[4]	12–15	5.4–6.8
Bananas	Fiber folding box[5].	40	18.1
Barley	Bushel	48	21.8
Beans:			
Lima, dry	.....do	56	25.4
Other, dry	.....do	60	27.2
	Sack	100	45.4
Lima unshelled	Bushel	28–32	12.7–14.5
Snap	.....do	28–32	12.7–14.5
Beets:			
Topped	Sack	25	11.3
Bunched	½ crate 2 dzbchs	36–40	16.3–18.1
Berries frozen pack:			
Without sugar	50–gal. barrel	380	172
3 + 1 pack	.....do	425	193
2 + 1 pack	.....do	450	204
Blackberries	12, ½-pint basket.	6	2.7
Bluegrass seed	Bushel	14–30	6.4–13.6
Broccoli	Wirebound crate.	20–25	9.1–11.3
Broomcorn (6 bales per ton)	Bale	333	151
Broomcorn seed	Bushel	44–50	20.0–22.7
Brussels sprouts	Ctn, loose pack	25	11.3
Buckwheat	Bushel	48	21.8
Butter	Block	55,68	25,30.9
Cabbage	Open mesh bag	50	22.7
Do	Flat crate (1¾ bu)	50–60	22.7–27.2
Do	Ctn, place pack	53	24.0
Cantaloups	Crate[6]	40	18.1
Carrots	Film plastic Bags, mesh sacks & cartons holding 48 1 lb. film bags	55	24.9
Without tops	Burlap sack	74–80	33.6–36.3
Castor beans	Bushel	41	18.6
Castor oil	Gallon[7]	8	3.6
Cauliflower	W.G.A. crate	50–60	22.7–27.2
Do	Fiberboard box wrapper leaves removed film-wrapped, 2 layers	23–35	10.4–15.9
Celery	Crate[8]	60	27.2
Cherries	Lug (Campbell)[9]	16	7.3
Do	Lug	20	9.1
Clover seed	Bushel	60	27.2
Coffee	Bag	132.3	60
Corn:			
Ear, husked	Bushel[10]	70	31.8
Shelled	.....do	56	25.4
Meal	.....do	50	22.7
Oil	Gallon[7]	7.7	3.5
Syrup	.....do	11.72	5.3
Sweet	Wirebound crate	50	22.7
Do	Ctn, packed 5 oz. ears	50	22.7
Do	WDB crate, 4½–5 oz. (from FL & NJ)	42	19.1
Cotton	Bale[11], gross	500	227
Do	Bale[11], net	480	218
Cottonseed	Bushel[12]	32	14.5
Cottonseed oil	Gallon[7]	7.7	3.5
Cowpeas	Bushel	60	27.2
Cranberries	Barrel	100	45.4
Do	¼–bbl. box[13]	25	11.3
Cream, 40-percent butterfat.	Gallon	8.38	3.80
Cucumbers	Bushel	48	21.8
Dewberries	24–qt. crate	36	16.3
Eggplant	Bushel	33	15.0
Eggs, average size	Case, 30 dozen	47.0	21.3
Escarole	Bushel	25	11.3
Figs, fresh	Box single layer[14]	6	2.7
Flaxseed	Bushel	56	25.4
Flour, various	Bag	100	45.4
Do	Ctn or Crate, Bulk	30	13.6
Garlic	Ctn of 12 tubes or 12 film bag pkgs 12 cloves each	10	4.5

See footnotes on page viii.

WEIGHTS AND MEASURES—Continued

Commodity	Unit [1]	Approximate net weight	
		U.S.	Metric
		Pounds	*Kilograms*
Grapefruit:			
Florida and Texas	½–box mesh bag	40	18.1
Florida	1⅗ bu. box	85	38.6
Texas	1⅖ bu. box	80	36.3
California and Arizona	Box [15,16]	67	30.4
Grapes:			
Eastern	12–qt. basket	20	9.1
Western	Lug	28	12.7
Do	4–basket crate [17]	20	9.1
Hempseed	Bushel	44	20.0
Hickory nuts	do	50	22.7
Honey	Gallon	11.84	5.4
Honeydew melons	⅔ Ctn	28–32	12.7–14.5
Hops	Bale, gross	200	90.7
Horseradish roots	Bushel	35	15.9
Do	Sack	50	22.7
Hungarian millet seed	Bushel	48–50	21.8–22.7
Kale	Ctn or crate	25	11.3
Kapok seed	do	35–40	15.9–18.1
Lard	Tierce	375	170
Lemons:			
California and Arizona	Box [18]	76	34.5
Do	Carton	38	17.2
Lentils	Bushel	60	27.2
Lettuce, iceberg	carton packed 24.	43–52	19.5–23.6
Lettuce, hothouse	24-qt. basket	10	4.5
Limes (Florida)	Box	88	39.9
Linseed oil	Gallon [7]	7.7	3.5
Malt	Bushel	34	15.4
Maple syrup	Gallon	11.02	5.0
Meadow fescue seed	Bushel	24	10.9
Milk	Gallon	8.6	3.9
Millet	Bushel	48–60	21.8–27.2
Molasses:			
edible	Gallon	11.74	5.3
inedible	do	11.74	5.3
Mustard seed	Bushel	58–60	26.3–27.2
Oats	do	32	14.5
Olives	Lug	25–30	11.3–13.6
Olive oil	Gallon	[7] 7.6	3.4
Onions, dry	Sack	50	22.7
Onions, green bunched	Ctn, 24-dz bchs	10–16	4.5–7.3
Oranges:			
Florida	Box	90	40.8
Texas	Box	85	38.5
California and Arizona	Box [15]	75	34.0
Do	Carton	38	17.2
Orchardgrass seed	Bushel	14	6.4
Palm oil	Gallon [7]	7.7	3.5
Parsnips	Bushel	50	22.7
Peaches	do	48	21.8
Do	2 layer ctn or lug	22	10.0
Do	¾-Bu, Ctn/crate	38	17.2
Peanut oil	Gallon [7]	7.7	3.5
Peanuts, unshelled:			
Virginia type	Bushel	17	7.7
Runners, South-eastern	do	21	9.5
Spanish: South-eastern	do	25	11.3
Spanish: South-western	do	25	11.3
Pears:			
California	Bushel	48	21.8
Other	do	50	22.7
Do	Std box, 4/5 bu	45–48	20.4–21.8
Do	Ctn, Tight-fill pack	36–37	16.3–16.7
Peas:			
Green, unshelled	Bushel	28–30	12.7–13.6
Dry	do	60	27.2
Peppers, green	do	25–30	11.3–13.6
Do	1½ bu carton	28	12.7
Perilla seed	Bushel	37–40	16.8–18.1
Pineapples	Carton	40	18.1
Plums and prunes:	Ctn & lugs	28	12.7
Do	½-bu. basket	30	13.6
Popcorn:			
On ear	Bushel [10]	70	31.8
Shelled	do	56	25.4
Poppy seed	do	46	20.9
Potatoes	Bushel	60	27.2
Do	Barrel	165	74.8
Do	Box	50	22.7
Do	do	100	45.4
Quinces	Bushel	48	21.8
Rapeseed	do	50–60	22.7–27.2
Raspberries	½-pint baskets	6	2.7
Redtop seed	Bushel	50–60	22.7–27.2
Refiners' syrup	Gallon	11.45	5.2
Rice:			
Rough	Bushel	45	20.4
Do	Bag	100	45.4
Do	Barrel	162	73.5
Milled	Pocket or bag	100	45.4
Rosin	Drum, net	520	236
Rutabagas	Bushel	56	25.4
Rye	do	56	25.4
Sesame seed	do	46	20.9
Shallots	Crate (4–7 doz. bunches)	20–35	9.1–15.9
Sorgo:			
Seed	Bushel	50	22.7
Syrup	Gallon	11.55	5.2
Sorghum grain [19]	Bushel	56	25.4
Soybeans	do	60	27.2
Soybean oil	Gallon [7]	7.7	3.5
Spelt	Bushel	40	18.1
Spinach	do	18–20	8.2–9.1
Strawberries	24-qt. crate	36	16.3
Do	12-pt. crate	9–11	4.1–5.0
Sudangrass seed	Bushel	40	18.1
Sugarcane: Syrup (sulfured or un-sulfured)	Gallon	11.45	5.2
Sunflower seed	Bushel	24–32	10.9–14.5
Sweet potatoes	Bushel [20]	55	24.9
Do	Crate	50	22.7
Tangerines:			
Florida	Box	95	43.1
Arizona	Box	75	34.0
California	Box	75	34.0

See footnotes on page viii.

WEIGHTS AND MEASURES—Continued

Commodity	Unit [1]	Approximate net weight	
		U.S.	Metric
		Pounds	*Kilograms*
Timothy seed	Bushel	45	20.4
Tobacco:			
Maryland	Hogshead	775	352
Flue-cured	.....do	950	431
Burley	.....do	975	442
Dark air-cured	.....do	1,150	522
Virginia fire-cured	.....do	1,350	612
Kentucky and Tennessee fire-cured	.....do	1,500	680
Cigar-leaf	Case	250–365	113–166
Do	Bale	150–175	68.0–79.4
Tomatoes	Crate	60	27.2
Do	Lug box	32	14.5
Do	2-layer flat	21	9.5
Tomatoes, hothouse	12-qt. basket	20	9.1
Tung oil	Gallon[7]	7.8	3.5
Turnips:			
Without tops ..	Mesh sack	50	22.7
Bunched	Crate[6]	70–80	31.8–36.3
Turpentine	Gallon	7.23	3.3
Velvetbeans (hulled)	Bushel	60	27.2
Vetch seed	.....do	60	27.2
Walnuts	Sacks	50	22.7
Water 60° F	Gallon	8.33	3.8
Watermelons	Melons of average or medium size	25	11.3
Wheat	Bushel	60	27.2
Various commodities	Short ton	2,000	907
Do	Long ton	2,240	1,016
Do	Metric ton	2,204.6	1,000

See footnotes on page viii.

To Convert From Avoirdupois Pounds

To	Multiply by
Kilograms	0.45359237
Metric tons	0.00045359237

Conversion Factors

1 Metric ton=2,204.622 pounds
1 Kilogram=2.2046 pounds
1 Acre=0.4047 hectares
1 Hectare=2.47 acres
1 Square mile=640 acres=259 hectares
1 Gallon=3.7853 liters

CONVERSION FACTORS

Commodity	Unit	Approximate equivalent
Apples	1 pound dried	7 pounds fresh; beginning 1943, 8 pounds fresh
Do	1 pound chops	5 pounds fresh
Do	1 case canned [21]	1.4 bushels fresh
Applesauce	...do [21]	1.2 bushels fresh
Apricots	1 pound dried	6 pounds fresh
Barley flour	100 pounds	4.59 bushels barley
Beans, lima	1 pound shelled	2 pounds unshelled
Beans, snap or wax	1 case canned [22]	0.008 ton fresh
Buckwheat flour	100 pounds	3.47 bushels buckwheat
Calves	1 pound live weight	0.611 pound dressed weight (1999 average)
Cattle	...do	0.607 pound dressed weight (1999 average)
Cane syrup	1 gallon	5 pounds sugar
Cherries, tart	1 case canned [21]	0.023 ton fresh
Chickens	1 pound live weight	0.72 pound ready-to-cook weight
Corn, shelled	1 bushel (56 lbs.)	2 bushels (70 pounds) of husked ear corn
Corn, sweet	1 case canned [22]	0.030 ton fresh
Cornmeal:		
Degermed	100 pounds	3.16 bushels corn, beginning 1946
Nondegermed	...do	2 bushels corn, beginning 1946
Cotton	1 pound ginned	3.26 pounds seed cotton, including trash [23]
Cottonseed meal	1 pound	2.10 pounds cottonseed
Cottonseed oil	...do	5.88 pounds cottonseed
Dairy products:		
Butter	...do	21.1 pounds milk
Cheese	...do	10 pounds milk
Condensed milk, whole	...do	2.3 pounds milk
Dry cream	...do	19 pounds milk
Dry milk, whole	...do	7.6 pounds milk
Evaporated milk, whole	...do	2.14 pounds milk
Malted milk	...do	2.6 pounds milk
Nonfat dry milk	...do	11 pounds liquid skim milk
Ice cream [24]	1 gallon	15 pounds milk
Ice cream [24] (eliminating fat from butter and concentrated milk).	...do	12 pounds milk
Eggs	1 case	47 pounds
Eggs, shell	...do	41.2 pounds frozen or liquid whole eggs
Do	...do	10.3 pounds dried whole eggs
Figs	1 pound dried	3 pounds fresh in California; 4 pounds fresh elsewhere
Flaxseed	1 bushel	About 2½ gallons oil
Grapefruit, Florida	1 case canned juice [22]	0.64 box fresh fruit
Hogs	1 pound live weight	0.737 pound dressed weight, excluding lard (1999 average)
Linseed meal	1 pound	1.51 pounds flaxseed
Linseed oil	...do	2.77 pounds flaxseed
Malt	1 bushel (34 lbs.)	1 bushel barley (48 lbs.)
Maple syrup	1 gallon	8 pounds maple sugar
Nuts:		
Almonds, imported	1 pound shelled	3½ pounds unshelled
Almonds, California	...do	2.22 pounds unshelled through 1949; 2 pounds thereafter
Brazil	...do	2 pounds unshelled
Cashews	...do	4.55 pounds unshelled
Chestnuts	...do	1.19 pounds unshelled
Filberts	...do	2.22 pounds unshelled through 1949; 2.5 pounds thereafter
Pecans:		
Seedling	...do	2.78 pounds unshelled
Improved	...do	2.50 pounds unshelled
Pignolias	...do	1.3 pounds unshelled
Pistachios	...do	2 pounds unshelled
Walnuts:		
Black	...do	5.88 pounds unshelled
Persian (English)	...do	2.67 pounds unshelled
Oatmeal	100 pounds	7.6 bushels oats, beginning 1943
Oranges, Florida	1 case canned juice [22]	0.53 box fresh
Peaches, California, freestone	1 pound dried	5⅓ pounds fresh through 1918; 6 pounds fresh for 1919–28; and 6½ pounds fresh from 1929 to date
Peaches, California, clingstone	...do	7½ pounds fresh
Peaches, clingstone	1 case canned [21]	1 bushel fresh
Do	...do	0.0230 ton fresh
Peanuts	1 pound shelled	1½ pounds unshelled
Pears	1 pound dried	6½ pounds fresh
Pears, Bartlett	1 case canned [22]	1.1 bushels fresh
Do	...do	0.026 ton fresh

See footnotes on page viii.

CONVERSION FACTORS—Continued

Commodity	Unit	Approximate equivalent
Peas, green	1 pound shelled	2½ pounds unshelled
Do	1 case canned [22]	0.009 ton fresh (shelled)
Prunes	1 pound dried	2.7 pounds fresh in California; 3 to 4 pounds fresh elsewhere
Raisins	1 pound	4.3 pounds fresh grapes
Rice, milled (excluding brewers)	100 pounds	152 pounds rough or unhulled rice
Rye flour	.....do	2.23 bushels rye, beginning 1947
Sheep and lambs	1 pound live weight	0.504 pound dressed weight (1999 average)
Soybean meal	1 pound	1.27 pounds soybeans
Soybean oil	.....do	5.49 pounds soybeans
Sugar	1 ton raw	0.9346 ton refined
Tobacco	1 pound farm-sales weight	Various weights of stemmed and unstemmed, according to aging and the type of tobacco (See circular 435, U.S. Dept. of Agr.)
Tomatoes	1 case canned [22]	0.018 ton fresh
Turkeys	1 pound live weight	0.80 pound ready-to-cook weight
Wheat flour	100 pounds	2.30 bushels wheat [25]
Wool, domestic apparel shorn	1 pound greasy	0.48 pounds scoured
Wool, domestic apparel pulled	.....do	0.73 pound scoured

[1] Standard bushel used in the United States contains 2,150.42 cubic inches; the gallon, 231 cubic inches; the cranberry barrel, 5,826 cubic inches; and the standard fruit and vegetable barrel, 7,056 cubic inches. Such large-sized products as apples and potatoes sometimes are sold on the basis of a heaped bushel, which would exceed somewhat the 2,150.42 cubic inches of a bushel basket level full. This also applies to such products as sweetpotatoes, peaches, green beans, green peas, spinach, etc.

[2] Approximate inside dimensions, 4⅝ by 12½ by 16⅛ inches.

[3] Approximate inside dimensions, 4½ by 16 by 16⅛ inches.

[4] Approximate dimensions, 4½ by 13½ by 16⅛ inches.

[5] Approximate inside dimensions, 13 by 12 by 32 inches.

[6] Approximate inside dimensions, 13 by 18 by 21⅝ inches.

[7] This is the weight commonly used in trade practices, the actual weight varying according to temperature conditions.

[8] Approximate inside dimensions, 9¾ by 16 by 20 inches.

[9] Approximate inside dimensions, 4⅛ by 11½ by 14 inches.

[10] The standard weight of 70 pounds is usually recognized as being about 2 measured bushels of corn, husked, on the ear, because it required 70 pounds to yield 1 bushel, or 56 pounds, of shelled corn.

[11] For statistical purposes the bale of cotton is 500 pounds or 480 pounds net weight. Prior to Aug. 1, 1946, the net weight was estimated at 478 pounds. Actual bale weights vary considerably, and the customary average weights of bales of foreign cotton differ from that of the American square bale.

[12] This is the average weight of cottonseed, although the legal weight in some States varies from this figure of 32 pounds.

[13] Approximate inside dimensions, 9¼ by 10½ by 15 inches.

[14] Approximate inside dimensions, 1¾ by 11 by 16⅛ inches.

[15] Approximate inside dimensions, 11½ by 11½ by 24 inches.

[16] Beginning with the 1993-94 season, net weights for California Desert Valley and Arizona grapefruit were increased from 64 to 67 pounds, equal to the California other area net weight, making a 67 pound net weight apply to all of California.

[17] Approximate inside dimensions, 4¾ by 16 by 16⅛ inches.

[18] Approximate inside dimensions, 9⅞ by 13 by 25 inches.6 by 16 by 16⅛ inches.

[19] Includes both sorghum grain (kafir, milo, hegari, etc.) and sweet sorghum varieties.

[20] This average of 55 pounds indicates the usual weight of sweetpotatoes when harvested. Much weight is lost in curing or drying and the net weight when sold in terminal markets may be below 55 pounds.

[21] Case of 24 No. 2½ cans.

[22] Case of 24 No. 303 cans.

[23] Varies widely by method of harvesting.

[24] The milk equivalent of ice cream per gallon is 15 pounds. Reports from plants indicate about 81 percent of the butterfat in ice cream is from milk and cream, the remainder being from butter and concentrated milk. Thus the milk equivalent of the milk and cream in a gallon of ice cream is about 12 pounds.

[25] This is equivalent to 4.51 bushels of wheat per barrel (196 pounds) of flour and has been used in conversions, beginning July 1, 1957. Because of changes in milling processes, the following factors per barrel of flour have been used for earlier periods: 1790–1879, 5 bushels; 1880–1908, 4.75 bushels, 1909–17, 4.7 bushels; 1918 and 1919, 4.5 bushels; 1920, 4.6 bushels; 1921–44, 4.7 bushels; July 1944–Feb. 1946, 4.57 bushels; March 1946–Oct. 1946, average was about 4.31 bushels; and Nov. 1946–June 1957, 4.57 bushels.

CHAPTER I

STATISTICS OF GRAIN AND FEED

This chapter contains tables for wheat, rye, rice, corn, oats, barley, sorghum grain, and feedstuffs. Estimates are given of area, production, disposition, supply and disappearance, prices, value of production, stocks, foreign production and trade, price-support operations, animal units fed, and feed consumed by livestock and poultry.

Table 1-1.—Total grain: Supply and disappearance, United States, 2008–2016 [1]

Year [2]	Supply				Disappearance			Ending stocks
	Beginning stocks	Production	Imports	Total	Domestic use	Exports	Total disappearance	
	Million metric tons	*Million metric tons*	*Million metric tons*	*Million metric tons*	*Million metric tons*	*Million metric tons*	*Million metric tons*	*Million metric tons*
2008	54.3	400.4	7.1	461.9	314.4	81.6	396.0	65.9
2009	66.3	418.0	6.4	490.8	331.1	83.4	414.5	76.3
2010	76.3	399.6	6.0	481.9	333.1	90.8	423.9	58.0
2011	58.0	385.1	6.8	449.9	326.3	74.2	400.0	49.9
2012	49.9	355.7	11.0	416.6	318.7	53.1	371.8	44.7
2013	44.7	433.9	9.0	487.1	345.3	90.2	435.6	51.8
2014	51.5	442.4	8.5	503.4	348.8	84.6	433.3	69.7
2015	69.6	432.2	8.4	509.3	349.7	83.1	432.8	76.8
2016	76.8	475.3	7.4	560.5	365.2	98.0	463.2	96.5

[1] Aggregate data on corn, sorghum, barley, oats, wheat, rye, and rice. [2] The marketing year for corn and sorghum begins September 1; for oats, barley, wheat, and rye, June 1; and for rice, August 1.
ERS, Market and Trade Economics Division, (202) 694–5313.

Table 1-2.—Wheat: Area, yield, production, and value, United States, 2009–2018

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers [2]	Value of production [2]
	Planted [1]	Harvested				
	1,000 acres	*1,000 acres*	*Bushels*	*1,000 bushels*	*Dollars*	*1,000 dollars*
2009	59,017	49,841	44.3	2,208,918	4.87	10,607,218
2010	52,620	46,883	46.1	2,163,023	5.70	12,579,125
2011	54,277	45,687	43.6	1,993,111	7.24	14,269,225
2012	55,294	48,758	46.2	2,252,307	7.77	17,383,149
2013	56,236	45,332	47.1	2,134,979	6.87	14,604,442
2014	56,841	46,385	43.7	2,026,310	5.99	11,914,954
2015	54,999	47,318	43.6	2,061,939	4.89	10,018,323
2016	50,116	43,848	52.7	2,308,663	3.89	9,179,190
2017	46,052	37,555	46.4	1,740,910	4.72	8,255,119
2018	47,815	39,612	47.6	1,885,156	5.16	9,699,073

[1] Includes area seeded in preceding fall for winter wheat. [2] Includes allowance for loans outstanding and purchases by the Government valued at the average loan and purchase rate, by States, where applicable.
NASS, Crops Branch, (202) 720–2127.

Table 1-3.—Wheat, by type: Area, yield, production, and value, United States, 2009–2018

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers [2]	Value of production [2]
	Planted [1]	Harvested				
	Winter wheat					
	1,000 acres	*1,000 acres*	*Bushels*	*1,000 bushels*	*Dollars*	*1,000 dollars*
2009	43,287	34,550	44.0	1,521,077	4.71	7,070,719
2010	36,576	31,219	46.5	1,452,313	5.37	7,835,595
2011	40,596	32,378	46.1	1,493,130	6.81	10,154,257
2012	40,897	34,609	47.1	1,630,387	7.55	12,245,482
2013	43,230	32,650	47.3	1,542,902	6.89	10,590,949
2014	42,409	32,299	42.6	1,377,216	5.92	8,036,108
2015	39,681	32,346	42.5	1,374,690	4.80	6,555,216
2016	36,149	30,235	55.3	1,672,522	3.57	6,114,353
2017	32,726	25,301	50.2	1,270,282	4.32	5,522,949
2018	32,542	24,742	47.9	1,183,939	5.08	5,981,865
	Durum wheat					
	1,000 acres	*1,000 acres*	*Bushels*	*1,000 bushels*	*Dollars*	*1,000 dollars*
2009	2,512	2,386	44.0	104,930	5.47	569,360
2010	2,503	2,462	41.2	101,482	5.98	633,469
2011	1,337	1,280	36.8	47,043	9.68	445,186
2012	2,138	2,122	38.4	81,501	8.18	682,317
2013	1,400	1,338	43.3	57,976	7.46	432,733
2014	1,407	1,346	40.2	54,056	8.81	482,417
2015	1,951	1,911	44.0	84,009	7.36	615,160
2016	2,412	2,360	44.0	103,914	6.01	608,093
2017	2,307	2,106	26.0	54,777	6.35	344,791
2018	2,073	1,974	39.5	77,985	5.33	405,313
	Other spring wheat [3]					
	1,000 acres	*1,000 acres*	*Bushels*	*1,000 bushels*	*Dollars*	*1,000 dollars*
2009	13,218	12,905	45.2	582,911	5.23	2,967,139
2010	13,541	13,202	46.1	609,228	6.49	4,110,061
2011	12,344	12,029	37.7	452,938	8.24	3,669,782
2012	12,259	12,027	44.9	540,419	8.24	4,455,350
2013	11,606	11,344	47.1	534,101	6.73	3,580,760
2014	13,025	12,740	46.7	595,038	5.75	3,396,429
2015	13,367	13,061	46.2	603,240	4.78	2,847,947
2016	11,555	11,253	47.3	532,227	4.56	2,456,744
2017	11,019	10,148	41.0	415,851	5.71	2,387,379
2018	13,200	12,896	48.3	623,232	5.31	3,311,895

[1] Seeded in preceding fall for winter wheat. [2] Obtained by weighting State prices by quantity sold. [3] Includes small quantities of Durum wheat grown in other States.

NASS, Crops Branch, (202) 720–2127.

Table 1-4.—Wheat: Stocks on and off farms, United States, 2009–2018

Year beginning September	All wheat							
	On farms				Off farms [1]			
	Sept. 1	Dec. 1	Mar. 1	Jun. 1	Sept. 1	Dec. 1	Mar. 1	Jun. 1
	1,000 bushels							
2009	836,000	558,800	348,250	209,900	1,373,338	1,222,891	1,008,107	765,737
2010	812,100	550,000	288,010	130,915	1,637,517	1,382,946	1,137,292	732,083
2011	633,000	405,200	217,100	112,030	1,513,669	1,257,318	982,245	630,590
2012	572,900	399,500	236,970	120,150	1,542,209	1,271,079	997,860	597,739
2013	555,000	398,400	237,530	96,995	1,314,637	1,076,451	819,435	493,288
2014	713,450	472,800	278,710	155,170	1,193,770	1,056,830	861,697	597,224
2015	650,200	503,450	319,800	197,210	1,446,889	1,242,457	1,051,862	778,393
2016	728,200	571,280	349,500	191,755	1,816,830	1,508,080	1,309,175	988,847
2017	492,500	394,180	259,310	130,475	1,774,275	1,479,335	1,236,131	968,414
2018	632,700	504,280	367,870	206,545	1,757,071	1,505,205	1,225,201	873,216
Year beginning September	Durum wheat [2]							
	On farms				Off farms [1]			
	Sept. 1	Dec. 1	Mar. 1	Jun. 1	Sept. 1	Dec. 1	Mar. 1	Jun. 1
	1,000 bushels							
2009	74,100	50,600	34,300	23,900	27,686	25,181	21,216	10,749
2010	71,200	46,600	35,700	22,100	28,931	21,742	20,720	13,366
2011	34,900	24,500	17,900	15,200	28,828	23,507	17,899	10,270
2012	43,600	36,700	21,400	13,600	24,842	24,306	21,088	9,450
2013	42,900	32,800	20,700	12,800	23,465	21,175	17,430	8,724
2014	38,700	23,900	16,200	10,250	19,121	20,147	21,454	15,406
2015	44,900	35,700	17,700	12,190	29,146	24,787	24,785	15,609
2016	65,500	49,200	32,400	18,350	26,386	23,719	20,584	17,953
2017	33,400	30,700	25,800	14,950	32,756	25,351	23,740	19,996
2018	51,800	46,700	40,600	26,050	38,260	36,830	33,789	28,920

[1] Includes stocks at mills, elevators, warehouses, terminals, and processors. [2] Included in all wheat.
NASS, Crops Branch, (202) 720–2127.

Table 1-5.—Wheat: Supply and disappearance, by class, United States, 2014–2018 [1]

Item	Year beginning June				
	2014	2015	2016	2017	2018
	Million bushels				
All wheat:					
Stocks, June 1	590	752	976	1,181	1,099
Production	2,026	2,062	2,309	1,741	1,884
Supply [2]	2,768	2,927	3,402	3,079	3,118
Exports [3]	864	778	1,051	906	936
Domestic disappearance	1,151	1,174	1,171	1,075	1,110
Stocks, May 31	752	976	1,181	1,099	1,072
Hard red winter:					
Stocks, June 1	237	294	446	589	581
Production	739	830	1,082	750	662
Supply [2]	985	1,130	1,533	1,346	1,248
Exports [3]	272	227	453	373	331
Domestic disappearance	419	458	490	392	411
Stocks, May 31	294	446	589	581	506
Soft red winter:					
Stocks, June 1	113	154	157	215	205
Production	455	359	345	293	286
Supply [2]	571	518	510	513	495
Exports [3]	134	120	91	91	128
Domestic disappearance	283	241	204	.....	188
Stocks, May 31	154	157	215	205	178
Hard red spring:					
Stocks, June 1	169	212	272	235	191
Production	556	568	491	384	587
Supply [2]	802	842	830	707	847
Exports [3]	274	254	319	229	260
Domestic disappearance	316	316	276	287	279
Stocks, May 31	212	272	235	191	309
Durum:					
Stocks, June 1	22	26	28	36	35
Production	54	84	104	55	77
Supply [2]	126	143	162	143	167
Exports [3]	37	29	25	18	20
Domestic disappearance	64	86	101	90	86
Stocks, May 31	26	28	36	35	61
White:					
Stocks, June 1	50	67	74	105	87
Production	224	221	286	259	272
Supply [2]	283	294	368	371	365
Exports [3]	147	147	163	193	200
Domestic disappearance	69	73	100	90	96
Stocks, May 31	67	74	105	87	69

[1] Data except production are approximations. [2] Total supply includes imports. [3] Import and exports include flour and products in wheat equivalent.

ERS, Market and Trade Economics Division, (202) 694–5285.

Table 1-6.—Wheat: Supply and disappearance, United States, 2009–2018

Year beginning June	Supply				Disappearance						Ending stocks May 31
	Beginning stocks	Production	Imports [1]	Total	Domestic use				Exports [1]	Total disappearance	
					Food	Seed	Feed [2]	Total			
	Million bushels										
2009	657	2,218	119	2,984	919	68	142	1,129	879	2,008	976
2010	976	2,207	97	3,236	926	71	85	1,081	1,291	2,373	863
2011	862	1,999	112	2,969	941	76	159	1,176	1,051	2,227	743
2012	743	2,252	124	3,119	951	73	365	1,389	1,012	2,401	718
2013	718	2,135	172	3,025	955	74	230	1,259	1,176	2,435	590
2014	590	2,026	151	2,768	958	79	113	1,151	864	2,015	752
2015	752	2,062	113	2,927	957	67	149	1,174	778	1,952	976
2016	976	2,309	118	3,402	949	61	161	1,171	1,051	2,222	1,181
2017	1,181	1,741	158	3,080	964	63	47	1,075	906	1,981	1,099
2018	1,099	1,884	140	3,123	955	60	96	1,110	936	2,046	1,072

[1] Imports and exports include flour and other products expressed in wheat equivalent. [2] Approximates feed and residual use and includes negligible quantities used for distilled spirits.

Totals may not add due to independent rounding.

ERS, Market and Trade Economics Division, (202) 694–5296.

Table 1-7.—All Wheat: Area, yield, and production, by State and United States, 2016–2018

State	Area planted [1]			Area harvested		
	2016	2017	2018	2016	2017	2018
	1,000 acres					
Alabama	230	150	160	170	100	110
Arizona	111	115	96	103	105	77
Arkansas	195	200	175	115	125	95
California	480	420	425	217	182	147
Colorado	2,361	2,260	2,260	2,200	2,029	1,954
Delaware	70	75	75	65	60	45
Florida	22	20	15	15	10	10
Georgia	180	160	200	110	70	70
Idaho	1,190	1,175	1,191	1,125	1,109	1,136
Illinois	520	500	600	470	470	560
Indiana	330	290	310	280	240	260
Iowa	25	16	16	17	8	6
Kansas	8,500	7,600	7,700	8,200	6,950	7,300
Kentucky	510	480	450	400	310	300
Louisiana	25	20	15	20	13	10
Maryland	360	410	360	260	185	200
Michigan	610	480	510	570	425	470
Minnesota	1,321	1,170	1,621	1,268	1,135	1,575
Mississippi	65	45	55	50	25	30
Missouri	690	640	740	570	540	520
Montana	5,130	5,140	5,390	4,975	4,665	5,165
Nebraska	1,370	1,120	1,100	1,310	1,020	1,010
Nevada	15	29	23	9	14	8
New Jersey	25	23	18	21	17	15
New Mexico	345	330	320	210	135	105
New York	120	140	110	115	125	95
North Carolina	420	450	460	355	375	370
North Dakota	7,590	6,680	7,735	7,405	6,260	7,635
Ohio	580	490	490	560	460	450
Oklahoma	5,000	4,500	4,400	3,500	2,900	2,500
Oregon	810	775	800	797	763	770
Pennsylvania	190	210	195	150	150	145
South Carolina	60	90	80	50	75	65
South Dakota	2,270	1,887	1,883	2,157	1,196	1,628
Tennessee	400	370	380	335	275	285
Texas	5,000	4,700	4,500	2,800	2,350	1,750
Utah	129	134	130	120	120	103
Virginia	210	210	230	175	145	155
Washington	2,240	2,195	2,220	2,200	2,140	2,165
West Virginia	7	8	7	4	4	3
Wisconsin	270	210	240	250	170	200
Wyoming	140	135	130	125	105	115
United States	50,116	46,052	47,815	43,848	37,555	39,612

See footnote(s) at end of table.

Table 1-7.—All Wheat: Area, yield, and production, by State and United States, 2016–2018—Continued

State	Yield per harvested acre			Production		
	2016	2017	2018	2016	2017	2018
	Bushels			*1,000 bushels*		
Alabama	70.0	77.0	72.0	11,900	7,700	7,920
Arizona	97.8	100.8	102.6	10,073	10,589	7,898
Arkansas	54.0	52.0	55.0	6,210	6,500	5,225
California	79.7	68.2	81.5	17,302	12,404	11,985
Colorado	48.2	43.2	36.1	106,000	87,598	70,504
Delaware	67.0	73.0	71.0	4,355	4,380	3,195
Florida	30.0	37.0	36.0	450	370	360
Georgia	46.0	47.0	54.0	5,060	3,290	3,780
Idaho	91.4	81.8	91.9	102,795	90,723	104,410
Illinois	74.0	76.0	66.0	34,780	35,720	36,960
Indiana	81.0	74.0	71.0	22,680	17,760	18,460
Iowa	63.0	68.0	58.0	1,071	544	348
Kansas	57.0	48.0	38.0	467,400	333,600	277,400
Kentucky	80.0	77.0	66.0	32,000	23,870	19,800
Louisiana	45.0	46.0	65.0	900	598	650
Maryland	64.0	71.0	63.0	16,640	13,135	12,600
Michigan	89.0	79.0	76.0	50,730	33,575	35,720
Minnesota	59.0	66.9	59.0	74,828	75,935	92,930
Mississippi	48.0	58.0	49.0	2,400	1,450	1,470
Missouri	70.0	68.0	59.0	39,900	36,720	30,680
Montana	42.4	27.3	38.3	210,875	127,430	197,630
Nebraska	54.0	46.0	49.0	70,740	46,920	49,490
Nevada	72.3	105.7	112.5	651	1,480	900
New Jersey	64.0	64.0	62.0	1,344	1,088	930
New Mexico	22.0	30.0	15.0	4,620	4,050	1,575
New York	74.0	67.0	69.0	8,510	8,375	6,555
North Carolina	41.0	55.0	57.0	14,555	20,625	21,090
North Dakota	45.0	37.9	47.6	332,978	237,133	363,483
Ohio	80.0	74.0	75.0	44,800	34,040	33,750
Oklahoma	39.0	34.0	28.0	136,500	98,600	70,000
Oregon	50.1	63.0	67.0	39,937	48,069	51,590
Pennsylvania	68.0	72.0	65.0	10,200	10,800	9,425
South Carolina	43.0	49.0	54.0	2,150	3,675	3,510
South Dakota	51.6	34.8	44.4	111,281	41,678	72,294
Tennessee	73.0	70.0	65.0	24,455	19,250	18,525
Texas	32.0	29.0	32.0	89,600	68,150	56,000
Utah	59.9	52.0	52.0	7,184	6,240	5,356
Virginia	53.0	66.0	60.0	9,275	9,570	9,300
Washington	71.5	66.6	70.8	157,290	142,500	153,210
West Virginia	61.0	69.0	46.0	244	276	138
Wisconsin	79.0	68.0	71.0	19,750	11,560	14,200
Wyoming	34.0	28.0	34.0	4,250	2,940	3,910
United States	52.7	46.4	47.6	2,308,663	1,740,910	1,885,156

[1] Includes area planted preceding fall.
NASS, Crops Branch, (202) 720–2127.

Table 1-8.—Wheat, by type: Area, yield, and production, by State and United States, 2016–2018

State	Area planted [1]			Area harvested		
	2016	2017	2018	2016	2017	2018
	1,000 acres					
	Winter wheat					
Alabama	230	150	160	170	100	110
Arizona	14	25	22	7	16	4
Arkansas	195	200	175	115	125	95
California	425	385	380	170	155	110
Colorado	2,350	2,250	2,250	2,190	2,020	1,950
Delaware	70	75	75	65	60	45
Florida	22	20	15	15	10	10
Georgia	180	160	200	110	70	70
Idaho	770	720	720	720	670	680
Illinois	520	500	600	470	470	560
Indiana	330	290	310	280	240	260
Iowa	25	16	16	17	8	6
Kansas	8,500	7,600	7,700	8,200	6,950	7,300
Kentucky	510	480	450	400	310	300
Louisiana	25	20	15	20	13	10
Maryland	360	410	360	260	185	200
Michigan	610	480	510	570	425	470
Minnesota	11	10	11	8	5	5
Mississippi	65	45	55	50	25	30
Missouri	690	640	740	570	540	520
Montana	2,250	1,750	1,650	2,150	1,590	1,570
Nebraska	1,370	1,120	1,100	1,310	1,020	1,010
Nevada	10	14	13	6	5	5
New Jersey	25	23	18	21	17	15
New Mexico	345	330	320	210	135	105
New York	120	140	110	115	125	95
North Carolina	420	450	460	355	375	370
North Dakota	130	70	85	120	35	70
Ohio	580	490	490	560	460	450
Oklahoma	5,000	4,500	4,400	3,500	2,900	2,500
Oregon	720	700	720	710	690	695
Pennsylvania	190	210	195	150	150	145
South Carolina	60	90	80	50	75	65
South Dakota	1,180	910	830	1,100	520	660
Tennessee	400	370	380	335	275	285
Texas	5,000	4,700	4,500	2,800	2,350	1,750
Utah	120	120	120	112	108	94
Virginia	210	210	230	175	145	155
Washington	1,700	1,700	1,700	1,670	1,650	1,650
West Virginia	7	8	7	4	4	3
Wisconsin	270	210	240	250	170	200
Wyoming	140	135	130	125	105	115
United States	36,149	32,726	32,542	30,235	25,301	24,742
	Other spring wheat					
Colorado	11	10	10	10	9	4
Idaho	410	430	460	395	415	445
Minnesota	1,310	1,160	1,610	1,260	1,130	1,570
Montana	2,100	2,500	2,900	2,060	2,290	2,820
Nevada	5	15	10	3	9	3
North Dakota	6,000	5,350	6,550	5,850	5,050	6,490
Oregon	90	75	80	87	73	75
South Dakota	1,080	970	1,050	1,050	670	965
Utah	9	14	10	8	12	9
Washington	540	495	520	530	490	515
United States	11,555	11,019	13,200	11,253	10,148	12,896
	Durum wheat					
Arizona	97	90	74	96	89	73
California	55	35	45	47	27	37
Idaho	10	25	11	10	24	11
Montana	780	890	840	765	785	775
North Dakota	1,460	1,260	1,100	1,435	1,175	1,075
South Dakota	10	7	3	7	6	3
United States	2,412	2,307	2,073	2,360	2,106	1,974

See footnote(s) at end of table.

Table 1-8.—Wheat, by type: Area, yield, and production, by State and United States, 2016–2018—Continued

State	Yield per harvested acre			Production		
	2016	2017	2018	2016	2017	2018
	Bushels			*1,000 bushels*		
	Winter wheat					
Alabama	70.0	77.0	72.0	11,900	7,700	7,920
Arizona	95.0	100.0	40.0	665	1,600	160
Arkansas	54.0	52.0	55.0	6,210	6,500	5,225
California	78.0	64.0	77.0	13,260	9,920	8,470
Colorado	48.0	43.0	36.0	105,120	86,860	70,200
Delaware	67.0	73.0	71.0	4,355	4,380	3,195
Florida	30.0	37.0	36.0	450	370	360
Georgia	46.0	47.0	54.0	5,060	3,290	3,780
Idaho	94.0	80.0	90.0	67,680	53,600	61,200
Illinois	74.0	76.0	66.0	34,780	35,720	36,960
Indiana	81.0	74.0	71.0	22,680	17,760	18,460
Iowa	63.0	68.0	58.0	1,071	544	348
Kansas	57.0	48.0	38.0	467,400	333,600	277,400
Kentucky	80.0	77.0	66.0	32,000	23,870	19,800
Louisiana	45.0	46.0	65.0	900	598	650
Maryland	64.0	71.0	63.0	16,640	13,135	12,600
Michigan	89.0	79.0	76.0	50,730	33,575	35,720
Minnesota	61.0	45.0	60.0	488	225	300
Mississippi	48.0	58.0	49.0	2,400	1,450	1,470
Missouri	70.0	68.0	59.0	39,900	36,720	30,680
Montana	49.0	42.0	50.0	105,350	66,780	78,500
Nebraska	54.0	46.0	49.0	70,740	46,920	49,490
Nevada	75.0	107.0	120.0	450	535	600
New Jersey	64.0	64.0	62.0	1,344	1,088	930
New Mexico	22.0	30.0	15.0	4,620	4,050	1,575
New York	74.0	67.0	69.0	8,510	8,375	6,555
North Carolina	41.0	55.0	57.0	14,555	20,625	21,090
North Dakota	48.0	37.0	43.0	5,760	1,295	3,010
Ohio	80.0	74.0	75.0	44,800	34,040	33,750
Oklahoma	39.0	34.0	28.0	136,500	98,600	70,000
Oregon	50.0	63.0	67.0	35,500	43,470	46,565
Pennsylvania	68.0	72.0	65.0	10,200	10,800	9,425
South Carolina	43.0	49.0	54.0	2,150	3,675	3,510
South Dakota	58.0	40.0	48.0	63,800	20,800	31,680
Tennessee	73.0	70.0	65.0	24,455	19,250	18,525
Texas	32.0	29.0	32.0	89,600	68,150	56,000
Utah	60.0	52.0	52.0	6,720	5,616	4,888
Virginia	53.0	66.0	60.0	9,275	9,570	9,300
Washington	78.0	73.0	76.0	130,260	120,450	125,400
West Virginia	61.0	69.0	46.0	244	276	138
Wisconsin	79.0	68.0	71.0	19,750	11,560	14,200
Wyoming	34.0	28.0	34.0	4,250	2,940	3,910
United States	55.3	50.2	47.9	1,672,522	1,270,282	1,183,939
	Other spring wheat					
Colorado	88.0	82.0	76.0	880	738	304
Idaho	87.0	85.0	95.0	34,365	35,275	42,275
Minnesota	59.0	67.0	59.0	74,340	75,710	92,630
Montana	36.0	21.0	34.0	74,160	48,090	95,880
Nevada	67.0	105.0	100.0	201	945	300
North Dakota	46.0	41.0	49.0	269,100	207,050	318,010
Oregon	51.0	63.0	67.0	4,437	4,599	5,025
South Dakota	45.0	31.0	42.0	47,250	20,770	40,530
Utah	58.0	52.0	52.0	464	624	468
Washington	51.0	45.0	54.0	27,030	22,050	27,810
United States	47.3	41.0	48.3	532,227	415,851	623,232
	Durum wheat					
Arizona	98.0	101.0	106.0	9,408	8,989	7,738
California	86.0	92.0	95.0	4,042	2,484	3,515
Idaho	75.0	77.0	85.0	750	1,848	935
Montana	41.0	16.0	30.0	31,365	12,560	23,250
North Dakota	40.5	24.5	39.5	58,118	28,788	42,463
South Dakota	33.0	18.0	28.0	231	108	84
United States	44.0	26.0	39.5	103,914	54,777	77,985

[1] Includes area planted preceding fall.
NASS, Crops Branch, (202) 720–2127.

Table 1-9.—Wheat: Support operations, United States, 2012–2018

Marketing year beginning June 1	Income support payment rates per bushel [1]	Program price levels per bushel		Put under loan		Acquired by CCC under loan program [5]	Owned by CCC at end of marketing year
		Loan [2]	Target/Reference [3]	Quantity	Percentage of production [4]		
	Dollars	*Dollars*	*Dollars*	*Million bushels*	*Percent*	*Million bushels*	*Million bushels*
2012/2013 ...	0.52/0.00	2.94	4.17	27.5	1.2	0	0
2013/2014 ...	0.52/0.00	2.94	4.17	24.7	1.2	0	0
2014/2015 ...	0.00	2.94	5.50	43.1	2.1	0	0
2015/2016 ...	0.61	2.94	5.50	80.9	3.9	0	0
2016/2017 ...	1.61	2.94	5.50	150.7	6.5	0.25	0
2017/2018 ...	0.85	2.94	5.50	44.7	2.6	0	0
2018/2019 ...	0.34	2.94	5.50	65.1	5.9	0	0

[1] The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage (PLC) payment rate. Agricultural Risk Coverage (ARC) is also available, but payment rates are established at the county or farm levels. [2] For 2009/2010-2013/2014, producers who participated in the ACRE program got a 30 percent reduction in their loan rate, not calculated in this table. [3] Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. [4] Percent of production is on a grain basis. [5] Acquisitions as of September 30, 2019.
FPAC-BC, Commodity Analysis Branch.

Table 1-10.—Wheat: Marketing year average price and value, by State and United States, 2016–2018

State	Marketing year average price per bushel			Value of production		
	2016	2017	2018 [1]	2016	2017	2018 [1]
	Dollars			*1,000 dollars*		
Alabama	4.45	4.60	4.95	52,955	35,420	40,392
Arizona	6.70	7.06	7.01	66,459	70,822	52,337
Arkansas	4.66	4.46	4.88	28,939	28,990	25,603
California	5.07	5.42	6.39	88,401	67,730	72,892
Colorado	3.08	3.88	4.61	326,674	339,873	327,935
Delaware	4.04	4.63	4.90	17,594	20,279	15,336
Florida	3.90	4.00	4.40	1,755	1,480	1,494
Georgia	4.05	4.10	4.80	20,493	13,489	17,766
Idaho	4.10	4.64	5.15	421,527	426,305	535,949
Illinois	4.09	4.59	4.77	142,250	163,955	175,560
Indiana	4.04	4.78	4.90	91,627	84,893	89,531
Iowa	3.62	3.90	4.75	3,877	2,122	1,653
Kansas	3.20	4.07	4.93	1,495,680	1,357,752	1,373,130
Kentucky	4.52	4.68	5.19	144,640	111,712	101,970
Louisiana	4.25	4.20	5.10	3,825	2,512	3,315
Maryland	4.04	4.63	4.90	67,226	60,815	60,480
Michigan	4.15	4.54	5.08	210,530	152,431	180,386
Minnesota	4.69	5.76	5.25	351,326	438,062	497,041
Mississippi	4.47	4.30	4.88	10,728	6,235	7,203
Missouri	3.99	4.47	4.84	159,201	164,138	147,264
Montana	4.43	5.34	5.24	947,754	695,891	1,054,840
Nebraska	3.14	4.03	4.71	222,124	189,088	235,078
Nevada	4.05	4.70	5.18	2,637	7,233	4,995
New Jersey	4.15	4.60	4.90	5,578	5,005	4,557
New Mexico	3.30	4.20	4.75	15,246	17,010	7,481
New York	4.29	4.88	5.31	36,508	40,870	35,069
North Carolina	4.61	4.70	4.80	67,099	96,938	100,178
North Dakota	4.68	5.74	5.09	1,578,377	1,362,415	1,872,675
Ohio	4.25	4.90	5.08	190,400	166,796	170,438
Oklahoma	3.44	3.98	5.10	469,560	392,428	360,500
Oregon	4.53	5.16	5.80	180,160	245,537	298,150
Pennsylvania	4.64	5.21	5.30	47,328	56,268	50,895
South Carolina	4.34	4.20	4.70	9,331	15,435	16,146
South Dakota	4.15	5.52	5.24	456,411	233,427	382,000
Tennessee	4.64	4.60	5.24	113,471	88,550	96,330
Texas	3.54	3.89	5.17	317,184	265,104	288,400
Utah	4.30	5.20	6.00	29,298	32,448	31,249
Virginia	4.75	4.60	4.70	44,056	44,022	43,710
Washington	4.16	4.85	5.51	656,782	690,902	835,677
West Virginia	4.80	4.70	4.90	1,171	1,297	676
Wisconsin	3.51	4.15	4.55	69,323	47,974	64,610
Wyoming	3.22	3.90	4.75	13,685	11,466	18,182
United States	3.89	4.72	5.16	9,179,190	8,255,119	9,699,073

[1] Preliminary.
NASS, Crops Branch, (202) 720–2127.

Table 1-11.—International Wheat: Area, yield, and production in specified countries, 2016/2017–2018/2019

Country	Area			Yield per hectare			Production		
	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019
	1,000 hectares			*Metric tons*			*1,000 metric tons*		
European Union	27,232	26,160	25,701	5.34	5.78	5.34	145,369	151,141	137,219
China	24,694	24,508	24,268	5.40	5.48	5.42	133,271	134,334	131,430
India	30,220	30,785	29,576	2.88	3.20	3.38	87,000	98,510	99,870
Russia	27,004	27,370	26,344	2.69	3.11	2.72	72,529	85,167	71,685
United States	17,745	15,198	16,028	3.54	3.12	3.20	62,832	47,380	51,287
Canada	8,976	8,983	9,900	3.58	3.34	3.21	32,140	29,984	31,800
Pakistan	9,224	9,050	8,800	2.78	2.94	2.85	25,633	26,600	25,100
Ukraine	6,462	6,642	6,718	4.15	4.06	3.73	26,791	26,981	25,057
Argentina	5,560	5,800	6,040	3.31	3.19	3.23	18,400	18,500	19,500
Turkey	7,815	7,800	7,615	2.21	2.69	2.50	17,250	21,000	19,000
Australia	12,191	10,919	10,200	2.61	1.92	1.70	31,819	20,941	17,300
Iran	6,700	6,700	6,700	2.16	2.09	2.16	14,500	14,000	14,500
Kazakhstan	12,373	11,912	11,354	1.21	1.24	1.23	14,985	14,802	13,947
Egypt	1,260	1,320	1,320	6.43	6.40	6.40	8,100	8,450	8,450
Morocco	2,414	3,321	2,850	1.13	2.14	2.58	2,731	7,091	7,340
Uzbekistan	1,446	1,440	1,400	4.80	4.79	4.29	6,940	6,900	6,000
Brazil	2,120	1,916	2,042	3.18	2.23	2.66	6,730	4,264	5,428
Ethiopia	1,696	1,717	1,700	2.68	2.81	2.65	4,538	4,831	4,500
Algeria	1,300	1,600	2,074	1.54	1.50	1.90	2,000	2,400	3,940
Afghanistan	2,300	2,100	2,000	2.22	2.00	1.80	5,100	4,200	3,600
Serbia	610	540	675	4.92	4.26	5.04	3,000	2,300	3,400
Iraq	2,350	2,200	1,700	1.80	1.82	1.77	4,225	4,000	3,000
Mexico	724	667	540	5.34	5.24	5.56	3,865	3,494	3,000
Belarus	711	718	700	3.29	3.65	3.71	2,340	2,620	2,600
Syria	1,100	1,100	1,100	2.18	2.00	1.82	2,400	2,200	2,000
Azerbaijan	590	596	700	3.05	2.97	2.86	1,800	1,770	2,000
South Africa	508	492	503	3.76	3.12	3.71	1,910	1,535	1,868
Nepal	761	770	760	2.41	2.31	2.35	1,834	1,780	1,786
Chile	225	236	243	6.00	6.23	6.21	1,349	1,469	1,510
Paraguay	494	430	485	2.60	1.63	2.80	1,284	700	1,360
Moldova	370	336	372	3.50	3.72	3.12	1,293	1,251	1,160
Tunisia	516	579	536	1.80	1.91	2.00	927	1,104	1,070
Bangladesh	405	370	320	3.09	3.12	3.13	1,250	1,153	1,000
Japan	214	213	212	4.16	4.56	4.15	891	972	880
Uruguay	215	193	198	3.52	2.28	3.68	757	440	728
Turkmenistan	825	760	750	1.70	1.32	0.93	1,400	1,000	700
Tajikistan	300	286	300	2.57	3.15	2.33	770	900	700
Kyrgyzstan	270	250	300	2.45	2.40	2.05	662	601	616
Sudan	217	168	200	2.38	2.76	2.98	516	463	595
Switzerland	90	90	90	6.00	6.00	6.00	540	540	540
New Zealand	50	41	42	9.18	9.88	8.81	459	405	370
Kenya	153	86	170	1.45	1.92	2.12	222	165	360
Mongolia	355	366	330	1.32	0.63	1.07	467	231	352
Albania	71	68	75	3.87	4.04	4.13	275	275	310
Bosnia and Herzegovina	71	65	73	4.32	4.45	4.00	307	289	292
Macedonia	80	73	71	3.83	2.74	3.39	306	200	241
Peru	130	128	138	1.62	1.50	1.59	210	192	220
Libya	165	165	165	1.21	1.21	1.21	200	200	200
Zimbabwe	10	44	56	2.00	3.59	3.57	20	158	200
Bolivia	100	114	150	0.73	1.04	1.20	73	119	180

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-12.—Wheat and flour: United States imports, 2009–2018

Year beginning June	All wheat grain	All wheat flour [1]	All wheat products [2]	Total all wheat [3]
	1,000 bushels	*1,000 bushels* [4]	*1,000 bushels* [4]	*1,000 bushels*
2009	93,003	9,720	15,868	118,591
2010	69,053	11,283	16,582	96,918
2011	84,382	10,666	18,068	113,116
2012	96,103	10,151	18,063	124,317
2013	141,665	11,535	19,267	172,467
2014	116,973	14,332	19,942	151,246
2015	76,433	15,822	20,559	112,815
2016	83,777	14,573	19,675	118,025
2017	120,781	16,814	20,431	158,027
2018	98,004	17,026	19,980	135,010

[1] Includes meal, groats, and durum. [2] Includes bulgur, couscous, and selected categories of pasta. [3] Totals may not add due to rounding. [4] Expressed in grain-equivalent bushels.

ERS, Market and Trade Economics Division, (202) 694–5285.

Table 1-13.—Wheat: International trade, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	1,000 metric tons	*1,000 metric tons*	*1,000 metric tons*
Principle importing countries:			
Egypt	11,175	12,407	12,500
Indonesia	10,176	10,516	11,200
Brazil	7,349	7,021	7,500
Algeria	8,414	8,172	7,000
Philippines	5,704	5,987	7,000
Japan	5,911	5,876	5,800
Turkey	4,513	6,043	5,800
European Union	5,299	5,824	5,500
Mexico	5,370	5,245	5,100
Bangladesh	5,556	6,150	5,000
Nigeria	4,972	5,085	5,000
Iraq	2,446	4,108	4,000
Korea, South	4,667	4,269	4,000
Morocco	5,479	3,676	4,000
United States	3,212	4,284	3,810
Afghanistan	2,700	3,300	3,700
Vietnam	5,535	4,655	3,700
China	4,410	4,000	3,500
Uzbekistan	2,596	3,119	3,200
Yemen	3,278	3,009	3,200
Principle exporting countries:			
Russia	27,809	41,419	36,000
United States	28,602	24,524	25,855
Canada	20,157	21,954	24,300
European Union	27,439	23,289	24,000
Ukraine	18,107	17,775	16,200
Argentina	13,825	12,660	13,000
Australia	22,644	13,848	9,000
Kazakhstan	7,400	9,000	8,500
Turkey	6,174	6,194	6,400
Pakistan	600	1,200	1,500
Serbia	1,077	840	1,300
China	748	1,000	1,200
Brazil	619	230	650
Moldova	734	656	650
Paraguay	678	230	650
Egypt	491	730	600
Mexico	1,119	1,147	550
India	516	439	450
Iran	200	650	400
Nigeria	400	400	400

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-14.—Wheat and flour: United States exports by country of destination, 2016–2018

Country of destination	Year		
	2016	2017	2018
	Metric tons	*Metric tons*	*Metric tons*
Wheat:			
Mexico	2,763,704	3,698,250	2,810,012
Japan	2,697,930	3,047,584	2,797,403
Philippines	2,679,306	2,447,963	2,583,359
Nigeria	1,088,333	1,554,669	1,521,306
Korea, South	1,098,891	1,094,747	982,154
Indonesia	0	256,404	882,123
China	1,076,320	1,638,036	816,158
Taiwan	961,240	1,492,946	778,362
Algeria	653,045	735,769	687,802
Colombia	510,442	537,856	548,394
Thailand	424,135	411,961	484,125
Guatemala	463,365	442,004	480,382
Peru	100,885	308,155	449,751
Yemen(*)	837,779	833,326	413,250
Italy(*)	900,689	1,514,399	394,423
Morocco	539,764	399,928	357,507
Dominican Republic	409,530	357,493	340,793
Venezuela	300,061	231,985	322,740
Chile	339,357	840,476	308,623
Ethiopia(*)	427,191	328,770	297,856
El Salvador	366,876	369,991	291,581
Bangladesh	197,376	317,902	279,109
Ecuador	230,619	115,071	275,097
Brazil	1,254,817	286,837	273,462
Iraq	250,544	289,191	266,703
Honduras	434,567	488,441	241,716
Malaysia	492,817	321,720	218,500
Jamaica	169,491	179,086	194,670
Egypt	186,903	224,883	192,592
Egypt	83,975	0	156,707
Rest of World	1,947,495	2,408,255	1,467,133
World Total	23,887,447	27,174,098	22,113,793
Wheat flour:			
Mexico	206,855	181,521	195,588
Canada	122,445	92,992	53,637
Yemen(*)	0	0	5,011
Bahamas, The	1,256	2,133	2,057
Dominican Republic	2,478	2,637	2,019
Netherlands Antilles(*)	1,995	2,166	1,970
Sweden	1,723	1,730	1,763
Malaysia	1,043	1,100	1,325
Trinidad and Tobago	574	804	1,126
Djibouti	1,295	1,254	1,071
Leeward-Windward Islands(*)	989	839	1,015
United Arab Emirates	594	1,089	983
Barbados	344	796	763
Belize	0	111	608
Guatemala	286	405	585
China	442	1,204	571
Panama	401	602	503
Brazil	432	347	472
Japan	344	764	467
New Zealand(*)	359	584	405
Turks and Caicos Islands	110	266	368
Colombia	18	111	340
Jamaica	280	144	280
Korea, South	1,772	1,343	276
Iceland	178	234	231
Micronesia	351	370	223
Netherlands	75	199	219
Kyrgyzstan	0	270	185
Taiwan	188	148	182
Cayman Islands	156	165	175
Rest of World	9,756	2,235	1,959
World Total	356,740	298,560	276,374

(*) Denotes a country that is a summarization of its component countries.
FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution, supply, and distribution statistics from foreign governments.

Table 1-15.—Rye: Area, yield, production, disposition, and value, United States, 2008–2017

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers [2]	Value of production [2]
	Planted [1]	Harvested				
	1,000 acres	*1,000 acres*	*Bushels*	*1,000 bushels*	*Dollars*	*1,000 dollars*
2009	1,256	251	27.1	6,791	5.06	34,355
2010	1,256	270	27.7	7,480	5.18	38,767
2011	1,227	239	25.3	6,051	7.81	47,250
2012	1,271	250	26.2	6,542	7.69	50,304
2013	1,451	278	27.4	7,626	7.95	60,598
2014	1,434	258	27.9	7,189	7.74	55,639
2015	1,584	365	31.8	11,616	6.50	75,497
2016	1,891	411	32.5	13,337	5.12	68,343
2017	1,961	300	34.2	10,252	4.70	48,180
2018	2,011	273	30.9	8,432	6.27	51,674

[1] Area planted in preceding fall. [2] 2018 data is preliminary.
NASS, Crops Branch, (202) 720–2127.

Table 1-16.—Rye: Supply and disappearance, United States, 2009–2018

Year beginning June	Supply				Disappearance							Ending stocks May 31
	Beginning stocks	Production	Imports	Total	Domestic use					Exports	Total disappearance [2]	
					Food	Seed	Industry [1]	Residual use	Total			
	1,000 bushels											
2009	509	6,791	4,251	11,551	3,330	2,560	2,161	2,495	10,546	73	10,619	932
2010	932	7,480	5,552	13,964	3,350	2,520	2,176	4,968	13,014	149	13,163	801
2011	801	6,051	5,994	12,846	3,380	2,610	2,531	3,716	12,237	157	12,394	452
2012	452	6,542	8,966	15,960	3,400	2,990	2,786	6,073	15,249	310	15,559	401
2013	401	7,626	9,213	17,240	3,430	2,970	3,399	6,888	16,687	268	16,955	285
2014	285	7,189	9,319	16,793	3,450	3,200	3,173	6,141	15,964	240	16,204	589
2015	589	11,616	8,757	20,962	3,480	3,840	5,321	7,685	20,326	181	20,507	455
2016	455	13,337	6,586	20,378	3,500	4,110	5,727	6,168	19,505	175	19,680	698
2017	698	10,252	8,825	19,775	3,530	4,250	5,800	5,445	19,025	157	19,182	593
2018	593	8,432	11,964	20,989	3,550	3,920	6,000	6,973	20,443	148	20,591	398

[1] Includes commercial adhesives, packaging materials, thatching, mattresses, hats, and paper. [2] Totals may not add due to independent rounding.
ERS, Market and Trade Economics Division, (202) 694–5302.

Table 1-17.—Rye: Area, yield, and production, by State and United States, 2016–2018

State	Area planted [1]			Area harvested		
	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*
Georgia	200	210	190	30	25	15
Oklahoma	260	260	240	75	45	50
Other States [2]	1,431	1,491	1,581	306	230	208
United States	1,891	1,961	2,011	411	300	273
State	Yield per harvested acre			Production		
	2016	2017	2018	2016	2017	2018
	Bushels	*Bushels*	*Bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*
Georgia	21.0	19.0	26.0	630	475	390
Oklahoma	25.0	24.0	22.0	1,875	1,080	1,100
Other States [2]	35.4	37.8	33.4	10,832	8,697	6,942
United States	32.5	34.2	30.9	13,337	10,252	8,432

[1] Includes area planted preceding fall. [2] Other States include Illinois, Kansas, Maine, Maryland, Michigan, Minnesota, Nebraska, New Jersey, New York, North Carolina, North Dakota, Pennsylvania, South Carolina, South Dakota, Texas, Virginia, and Wisconsin.
NASS, Crops Branch, (202) 720–2127.

Table 1-18.—Rye: Marketing year average price and value, by State and United States, 2016–2018

State	Marketing year average price per bushel			Value of production		
	2016	2017	2018 [1]	2016	2017	2018 [1]
	Dollars	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Georgia	5.85	5.10	7.05	3,686	2,423	2,574
Oklahoma	7.00	5.05	7.55	13,125	5,454	7,700
Other States [2]	4.76	4.63	5.77	51,532	40,303	41,400
United States	5.12	4.70	6.27	68,343	48,180	51,674

[1] Preliminary. [2] Other States include Illinois, Kansas, Maine, Maryland, Michigan, Minnesota, Nebraska, New Jersey, New York, North Carolina, North Dakota, Pennsylvania, South Carolina, South Dakota, Texas, Virginia, and Wisconsin.
NASS, Crops Branch, (202) 720-2127.

Table 1-19.—International Rye: Area, yield, and production in specified countries, 2016/2017–2018/2019

Country	Area			Yield			Production		
	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019
	1,000 hectares			*Metric tons per hectare*			*1,000 metric tons*		
European Union ...	1,915	1,931	1,925	3.89	3.83	3.25	7,440	7,398	6,256
Russia	1,251	1,171	957	2.03	2.17	2.00	2,538	2,540	1,914
Belarus	241	256	250	2.70	2.62	2.60	651	670	650
Ukraine	145	172	149	2.72	2.97	2.66	394	510	396
Turkey	115	101	110	2.61	3.17	2.91	300	320	320
Canada	140	101	79	3.11	3.39	2.98	436	342	235
United States	166	121	110	2.04	2.15	1.95	339	260	214
Argentina	41	45	48	1.93	1.91	2.08	79	86	100
Australia	43	40	44	0.67	0.75	0.68	29	30	30
Kazakhstan	36	31	22	1.14	1.26	1.05	41	39	23
Bosnia and Herzegovina	4	3	4	3.25	3.67	2.75	13	11	11
Switzerland	2	2	2	5.50	5.50	5.50	11	11	11
Serbia	4	4	4	2.50	2.50	2.50	10	10	10
Macedonia	4	4	4	2.50	2.00	2.25	10	8	9
Norway	5	9	3	4.60	5.56	3.00	23	50	9
Brazil	3	4	4	2.33	1.50	2.00	7	6	8
Chile	1	1	1	5.00	5.00	5.00	5	5	5
Albania	1	1	1	3.00	3.00	3.00	3	3	3
South Africa	20	20	20	0.15	0.15	0.15	3	3	3

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution, supply, and distribution statistics from foreign governments.

Table 1-20.—Rye: [1] International trade, 2016/2017–2018/2019 [2]

Country	2016/2017	2017/2018	2018/2019
	1,000 metric tons	*1,000 metric tons*	*1,000 metric tons*
Principle exporting countries:			
Russia	9	71	300
European Union	76	81	200
Canada	142	193	150
Ukraine	12	38	95
United States	4	4	5
Belarus	11	0	0
Principle importing countries:			
United States	167	225	330
European Union	16	61	300
Belarus	2	15	25
Japan	24	21	20
Norway	3	4	20
Israel	4	21	15
Korea, South	4	3	5
Switzerland	3	2	5
Bosnia and Herzegovina	1	1	1
Canada	0	1	0
Russia	4	0	0
Serbia	1	1	0

[1] Flour and products reported in terms of grain equivalent. [2] Year beginning July 1.

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statics from foreign governments.

Table 1-21.—Rice, rough: Area, yield, production, and value, United States, 2009–2018

Year	Area planted	Area harvested	Yield per acre	Production	Marketing year average price per cwt. received by farmers	Value of production
	1,000 acres	*1,000 acres*	*Pounds*	*1,000 cwt*	*Dollars*	*1,000 dollars*
2009	3,135	3,103	7,085	219,850	14.40	3,209,236
2010	3,636	3,615	6,725	243,104	12.70	3,183,213
2011	2,689	2,617	7,067	184,941	14.50	2,737,423
2012	2,700	2,679	7,463	199,939	15.10	3,067,365
2013	2,490	2,463	7,694	189,500	16.30	3,175,107
2014	2,954	2,933	7,576	222,215	13.40	3,075,618
2015	2,625	2,584	7,472	193,080	12.20	2,421,111
2016	3,150	3,097	7,237	224,145	10.40	2,384,690
2017	2,463	2,374	7,507	178,228	12.90	2,360,439
2018	2,946	2,915	7,692	224,211	12.20	2,751,514

NASS, Crops Branch, (202) 720–2127.

Table 1-22.—Rice, rough: Stocks on and off farms, United States, 2009–2018

Year beginning previous December	On farms			Off farms [1]		
	Dec. 1	Mar. 1	Aug. 1	Dec. 1	Mar. 1	Aug. 1
	1,000 cwt					
2009	47,530	21,286	876	91,071	70,042	23,787
2010	51,880	23,465	1,200	104,726	80,516	29,176
2011	63,617	33,895	3,772	109,869	86,720	37,917
2012	41,180	23,825	910	105,689	82,666	35,052
2013	39,385	18,430	640	108,650	85,839	29,880
2014	36,935	14,995	305	96,636	73,959	26,299
2015	47,865	25,810	1,480	110,061	86,658	41,293
2016	43,245	18,255	3,762	101,804	90,507	34,983
2017	48,595	21,600	4,693	111,734	85,969	34,077
2018	31,570	22,923	1,902	88,104	70,831	21,962

[1] Stocks at mills and in attached warehouses, in warehouses not attached to mills, and in ports or in transit.
NASS, Crops Branch, (202) 720–2127.

Table 1-23.—Rice, by length of grain: Harvest, yield, and production, United States, 2009–2018

Year	Area harvested			Yield per acre			Production		
	Long grain	Medium grain	Short grain	Long grain	Medium grain	Short grain	Long grain	Medium grain	Short grain
	1,000 acres	*1,000 acres*	*1,000 acres*	*Pounds*	*Pounds*	*Pounds*	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
2009	2,265	786	52	6,743	8,052	7,373	152,725	63,291	3,834
2010	2,826	746	43	6,486	7,660	6,195	183,296	57,144	2,664
2011	1,739	834	44	6,691	7,861	6,880	116,352	65,562	3,027
2012	1,979	643	57	7,291	8,059	6,737	144,280	51,819	3,840
2013	1,762	654	47	7,464	8,385	6,685	131,896	54,840	3,142
2014	2,196	700	37	7,407	8,175	6,292	162,665	57,222	2,328
2015	1,848	698	38	7,219	8,162	7,121	133,401	56,973	2,706
2016	2,403	651	43	6,927	8,377	7,319	166,465	54,533	3,147
2017	1,748	587	39	7,314	8,155	6,438	127,850	47,867	2,511
2018	2,181	693	41	7,517	8,274	7,112	163,956	57,339	2,916

NASS, Crops Branch, (202) 720-2127.

Table 1-24.—Rice, rough, by length of grain: Stocks in all positions, United States, 2009–2018

Year beginning previous December	Dec. 1	Mar. 1	Jun. 1	Aug. 1	Oct. 1 [1]
	1,000 cwt				
	Long grain				
2009	96,994	64,226	34,293	17,698	372
2010	103,430	67,910	37,041	19,532	(2)
2011	123,521	86,864	54,636	32,847	(2)
2012	93,027	68,469	37,552	22,034	(2)
2013	99,111	69,313	(NA)	19,439	(2)
2014	84,738	56,125	31,622	14,010	(2)
2015	106,786	71,243	42,295	23,917	(2)
2016	91,814	66,307	36,305	19,801	(2)
2017	106,700	71,636	47,199	28,198	(2)
2018	81,250	57,863	31,903	17,431	(2)
	Medium grain				
2009	37,989	24,755	12,722	6,093	938
2010	49,264	33,395	18,344	9,527	3,053
2011	46,853	31,548	15,327	7,870	1,366
2012	50,935	35,978	20,272	12,983	1,870
2013	45,349	32,558	(NA)	10,057	2,029
2014	45,497	30,491	17,294	11,631	6,691
2015	48,483	39,505	27,988	18,169	7,892
2016	50,582	40,718	26,960	18,347	3,732
2017	50,547	33,644	17,612	9,878	3,180
2018	35,376	23,512	11,901	5,561	546
	Short grain				
2009	3,618	2,347	1,301	872	522
2010	3,912	2,676	2,023	1,317	(2)
2011	3,112	2,203	1,410	972	(2)
2012	2,907	2,044	1,282	945	(2)
2013	3,575	2,398	(NA)	1,024	(2)
2014	3,336	2,348	1,435	963	(2)
2015	2,657	1,720	1,057	687	(2)
2016	2,653	1,737	999	597	371
2017	3,082	2,289	1,533	694	(2)
2018	3,048	2,021	1,246	872	(2)

(NA) Not available. [1] California only. [2] Not published to avoid disclosing individual reports.
NASS, Crops Branch, (202) 720–2127.

Table 1-25.—Rough and milled rice (rough equivalent): Supply and disappearance, United States, 2009–2018 [1]

Year beginning August	Supply				Disappearance					Ending stocks July 31
	Beginning stocks	Production	Imports	Total	Food, industrial, & residual [2]	Seed	Total	Exports	Total disappearance	
	Million cwt									
2009	30.4	219.9	19.0	269.3	121.3	3.1	124.4	108.4	232.8	36.5
2010	36.5	243.1	18.3	297.9	134.5	2.4	136.9	112.6	249.5	48.5
2011	48.5	184.9	19.4	252.8	108.4	2.4	110.8	100.9	211.7	41.1
2012	41.1	199.9	21.1	262.1	116.9	2.2	119.0	106.6	225.7	36.4
2013	36.4	189.5	23.1	249.0	121.5	2.4	123.9	93.3	217.2	31.8
2014	31.8	222.2	24.6	278.7	131.8	2.1	133.9	96.3	230.2	48.5
2015	48.5	193.1	24.1	265.7	109.8	2.5	112.3	107.0	219.3	46.5
2016	46.5	224.1	23.5	294.1	131.3	2.0	133.2	114.8	248.0	46.0
2017	46.0	178.2	26.9	251.2	132.5	2.3	134.8	87.0	221.8	29.4
2018 [3]	29.4	224.2	29.0	282.6	(NA)	(NA)	135.0	98.0	233.0	49.6

(NA) Not available. [1] Consolidated supply and disappearance of rough and milled rice. Milled rice data converted to a rough basis using annually derived extraction rates as factors. [2] The residual includes unaccounted losses in transporting, processing, and marketing. [3] Projected as of March 8, 2019.
ERS, Market and Trade Economics Division, (202) 694–5292. Sources: USDA, ERS using data from USDA, National Agricultural Statistics Service, *Quick Stats* and USDA, World Agricultural Outlook Board, *World Agricultural Supply and Demand Estimates* report.

Table 1-26.—Rice, by length of grain: Area, yield, and production, by State and United States, 2016–2018

State	Area harvested			Yield per acre			Production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	Long grain								
	1,000 acres	*1,000 acres*	*1,000 acres*	*Pounds*	*Pounds*	*Pounds*	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
Arkansas	1,390	955	1,245	6,940	7,510	7,550	96,466	71,721	93,998
California	9	7	11	7,300	7,400	6,000	657	518	660
Louisiana	405	366	392	6,660	6,720	7,160	26,973	24,595	28,067
Mississippi	194	114	139	7,180	7,400	7,350	13,929	8,436	10,217
Missouri	225	151	211	6,640	7,460	7,760	14,940	11,265	16,374
Texas	180	155	183	7,500	7,300	8,000	13,500	11,315	14,640
United States	2,403	1,748	2,181	6,927	7,314	7,517	166,465	127,850	163,956
	Medium grain								
	1,000 acres	*1,000 acres*	*1,000 acres*	*Pounds*	*Pounds*	*Pounds*	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
Arkansas	130	148	181	6,760	7,340	7,330	8,788	10,863	13,267
California	485	398	453	9,000	8,620	8,810	43,650	34,308	39,909
Louisiana	23	29	44	6,160	6,580	6,880	1,417	1,908	3,027
Missouri	6	9	9	6,860	7,060	7,950	412	635	716
Texas	7	3	6	3,800	5,100	7,000	266	153	420
United States	651	587	693	8,377	8,155	8,274	54,533	47,867	57,339
	Short grain [1]								
	1,000 acres	*1,000 acres*	*1,000 acres*	*Pounds*	*Pounds*	*Pounds*	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
Arkansas	1	1	1	6,000	6,000	6,000	60	60	60
Calfornia	42	38	40	7,350	6,450	7,140	3,087	2,451	2,856
United States	43	39	41	7,319	6,438	7,112	3,147	2,511	2,916

[1] Sweet rice acreage included with short grain.
NASS, Crops Branch, (202) 720–2127.

Table 1-27.—Rice: Area, yield, and production, by State and United States, 2016–2018

State	Area planted			Area harvested		
	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*
Arkansas	1,546	1,161	1,441	1,521	1,104	1,427
California	541	445	506	536	443	504
Louisiana	437	400	440	428	395	436
Mississippi	195	115	140	194	114	139
Missouri	236	169	224	231	160	220
Texas	195	173	195	187	158	189
United States	3,150	2,463	2,946	3,097	2,374	2,915

State	Yield per harvested acre			Production		
	2016	2017	2018	2016	2017	2018
	Pounds	*Pounds*	*Pounds*	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
Arkansas	6,920	7,490	7,520	105,314	82,644	107,325
California	8,840	8,410	8,620	47,394	37,277	43,425
Louisiana	6,630	6,710	7,130	28,390	26,503	31,094
Mississippi	7,180	7,400	7,350	13,929	8,436	10,217
Missouri	6,650	7,440	7,770	15,352	11,900	17,090
Texas	7,360	7,260	7,970	13,766	11,468	15,060
United States	7,237	7,507	7,692	224,145	178,228	224,211

NASS, Crops Branch, (202) 720–2127.

Table 1-28.—Rice: Marketing year average price and value, by State and United States, 2016–2018

State	Marketing year average price per cwt.			Value of production		
	2016	2017	2018 [1]	2016	2017	2018 [1]
	Dollars	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Arkansas	9.39	11.10	10.80	988,898	917,348	1,159,110
California	14.30	20.30	17.50	677,734	756,723	759,938
Louisiana	10.20	11.70	11.30	289,578	310,085	351,362
Mississippi	9.55	11.50	11.10	133,022	97,014	113,409
Missouri	9.92	12.00	10.50	152,292	142,800	179,445
Texas	10.40	11.90	12.50	143,166	136,469	188,250
United States	10.40	12.90	12.20	2,384,690	2,360,439	2,751,514

[1] Preliminary.
NASS, Crops Branch, (202) 720–2127.

Table 1-29.—Rice, milled, by length of grain: Stocks in all positions, United States, 2009–2018

Year beginning previous December	Whole kernels (head rice)				
	Dec. 1	Mar. 1	Jun. 1	Aug. 1	Oct.. 1 [1]
	Long grain				
	1,000 cwt	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
2009	2,504	2,300	3,251	1,658	(2)
2010	2,022	2,370	2,043	2,511	(2)
2011	2,665	3,038	3,291	1,924	(2)
2012	2,699	1,856	1,906	1,550	1
2013	2,574	3,144	(NA)	1,704	(2)
2014	3,348	2,379	(3)	1,556	(2)
2015	2,308	1,952	2,523	1,792	(2)
2016	2,716	2,616	3,463	2,022	(2)
2017	2,453	2,659	2,056	1,969	(2)
2018	2,307	1,717	2,633	2,026	(2)
	Medium grain				
	1,000 cwt	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
2009	1,531	978	823	689	(2)
2010	1,496	1,472	1,188	799	454
2011	1,743	1,803	981	845	399
2012	1,406	935	1,041	496	281
2013	1,638	772	(NA)	726	(2)
2014	1,285	1,584	1,601	472	603
2015	1,694	1,139	1,662	878	1,430
2016	1,279	1,459	1,030	1,324	389
2017	1,017	971	1,292	609	388
2018	1,220	1,317	909	804	(2)
	Short grain				
	1,000 cwt	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
2009	80	69	57	51	36
2010	73	74	47	60	(2)
2011	97	62	53	45	(2)
2012	199	49	60	38	69
2013	99	64	(NA)	61	28
2014	58	48	(2)	47	(2)
2015	51	59	54	37	(2)
2016	75	62	41	40	(2)
2017	65	75	101	45	(2)
2018	62	62	56	43	(2)

See footnote(s) at end of table.

Table 1-29.—Rice, milled, by length of grain: Stocks in all positions, United States, 2009–2018—Continued

Year beginning previous December	Broken kernels				
	Dec. 1	Mar. 1	Jun. 1	Aug. 1	Oct. 1 [1]
	Second heads				
	1,000 cwt	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
2009	661	794	828	1,465	(2)
2010	1,374	707	961	670	(2)
2011	888	634	817	992	(2)
2012	1,037	1,021	778	870	(2)
2013	1,231	1,225	(NA)	1,104	(2)
2014	1,243	1,064	1,159	797	(2)
2015	727	1,663	1,227	1,120	(2)
2016	1,385	1,550	1,634	1,436	(2)
2017	1,777	1,924	1,222	1,588	(2)
2018	1,968	1,559	887	566	(2)
	Screenings [3]				
	1,000 cwt	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
2009	42	64	61	3	.....
2010	52	20	34	93	.....
2011	110	91	153	75	.....
2012	192	82	145	51	.....
2013	136	271	(NA)	153	.....
2014	96	118	72	92	.....
2015	118	115	153	88	.....
2016	56	61	70	33	.....
2017	82	81	76	84	.....
2018	107	205	205	138	.....
	Brewers				
	1,000 cwt	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
2009	437	527	704	211	(2)
2010	662	252	247	247	(2)
2011	799	647	673	786	(2)
2012	710	551	532	573	(2)
2013	1,241	1,189	(NA)	384	(2)
2014	575	651	589	747	(2)
2015	748	941	1,153	141	(2)
2016	734	387	678	551	(2)
2017	401	510	650	798	(2)
2018	1,038	687	364	285	(2)

(NA) Not available. [1] California only; included in Second heads. [2] Not published to avoid disclosing individual operations. [3] Screenings included in Second heads in California.

NASS, Crops Branch, (202) 720–2127.

Table 1-30.—Rice, rough: Support operations, United States, 2015–2018

Marketing year beginning August 1	Income support payment rates per cwt [1]	Program price levels per cwt		Put under loan		Acquired by CCC under loan program [4]	Owned by CCC at end of marketing year
		Loan [2]	Target/ Reference [3]	Quantity	Percentage of production		
	Dollars	*Dollars*	*Dollars*	*Million cwt*	*Percent*	*1,000 cwt*	*1,000 cwt*
Long grain							
2015/2016	2.90	6.50	14.00	18.35	13.75	0	0
2016/2017	4.36	6.50	14.00	30.24	18.16	0	0
2017/2018	2.50	6.50	14.00	17.07	13.35	0	0
2018/2019	3.20	6.50	14.00	21.11	12.88	0	0
Medium grain [5]							
2015/2016	2.80	6.50	14.00	19.74	33.08	0	0
2016/2017	3.90	6.50	14.00	16.74	29.02	0	0
2017/2018	2.30	6.50	14.00	12.19	24.20	0	0
2018/2019	1.70	6.50	14.00	15.19	25.21	0	0
Temperate Japonica [6]							
2015/2016	0.00	6.50	16.10	16.19	43.29	0	0
2016/2017	2.00	6.50	16.10	16.40	35.09	0	0
2017/2018	0.00	6.50	16.10	10.98	29.86	0	0
2018/2019	0.00	6.50	16.10	12.95	30.29	0	0

(NA) Not applicable. [1] The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2012/2013-2013/14. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage payment rate. Agricultural Risk Coverage (ARC) is also available, but payment rates are established at the county or farm levels. [2] For 2009/2010-2013/2014, producers who participated in the ACRE program got a 30 percent reduction in their loan rate, not calculated in this table. [3] Target applies to 2012/2013-2013/2014 and Reference applies beginning with 2014/2015. [4] Acquisitions as of September 30, 2019. [5] Medium Grain includes all short grain rice and medium grain rice for the marketing assistance loan program. The quantity under loan for 2014/2015 includes the medium and short grain rice in California. The medium and short grain rice in California is also shown in the Temperate Japonica section below. [6] Temperate Japonica Rice is medium and short grain rice in California starting with the 2014/2015 crop. Prior to the 2014/2015 crop, temperate japonica rice was classified as medium grain rice for program purposes.

FPAC-BC, Commodity Analysis Branch.

Table 1-31.—Rice: United States exports (milled basis), by country of destination, 2016–2018 [1]

Country of destination	Year		
	2016	2017	2018
	Metric tons	*Metric tons*	*Metric tons*
Mexico	837,977	924,842	740,780
Haiti	418,747	530,530	412,253
Japan	346,358	302,973	274,066
Canada	222,546	222,013	240,268
Honduras	250,778	148,212	184,024
Iraq	93,080	33,472	156,906
Colombia	140,851	118,927	150,081
Korea, South	160,025	152,693	114,417
Guatemala	130,795	113,077	114,379
Saudi Arabia	122,551	119,821	95,766
Jordan	102,016	141,006	82,239
El Salvador	79,060	66,328	78,712
Libya	92,652	72,502	75,610
Costa Rica	121,314	72,176	73,582
Taiwan	60,209	51,620	47,410
Venezuela	292,035	239,062	42,218
United Kingdom	30,328	30,070	25,341
Panama	45,330	49,386	24,434
Dominican Republic	19,442	41,245	20,553
Cote d'Ivoire	29,053	4,171	19,005
Tanzania	19	20	16,651
Benin	13,432	27,791	11,753
Nicaragua	1,066	6,697	10,715
Israel(*)	18,236	14,661	10,416
Australia(*)	11,088	11,985	10,020
Liberia	1,059	20,231	9,298
Germany(*)	8,642	9,900	8,060
Bahamas, The	8,036	7,643	7,351
Netherlands	6,969	6,061	7,110
Hong Kong	4,557	18,240	6,212
Rest of World	245,485	285,369	110,890
World Total	3,913,733	3,842,721	3,180,522

(*) Denotes a country that is a summarization of its component countries. [1] Year beginning Jan 1.

FAS, Grain and Feed Division, (202) 720–6219. www.fas.usda.gov/grain/default.html.

Table 1-32.—International Rice, milled: Area, yield, and production in specified countries, 2015/2016–2017/2018

Country	Area			Yield per hectare			Production		
	2015/2016	2016/2017	2017/2018	2015/2016	2016/2017	2017/2018	2015/2016	2016/2017	2017/2018
	1,000 hectares	*1,000 hectares*	*1,000 hectares*	*Metric tons*	*Metric tons*	*Metric tons*	*1,000 metric tons*	*1,000 metric tons*	*1,000 metric tons*
Bangladesh	11,765	11,748	11,272	4.40	4.42	4.35	34,500	34,578	32,650
Brazil	2,010	1,981	1,960	5.28	6.22	6.06	7,210	8,383	8,075
Burma	6,900	7,030	7,100	2.75	2.81	2.90	12,160	12,650	13,200
China	30,210	30,178	30,176	6.89	6.86	6.91	145,770	144,953	145,989
India	43,378	43,993	43,916	3.61	3.74	3.76	104,408	109,698	110,000
Indonesia	12,100	12,240	12,250	4.71	4.78	4.76	36,200	36,858	37,000
Japan	1,586	1,570	1,557	6.64	6.81	6.69	7,670	7,780	7,586
Philippines	4,523	4,723	4,855	3.86	3.93	4.02	11,000	11,686	12,300
Thailand	9,444	10,247	10,684	2.53	2.84	2.89	15,800	19,200	20,370
Vietnam	7,704	7,714	7,760	5.73	5.68	5.97	27,584	27,400	28,943
Others	28,491	28,802	29,229	2.27	2.31	2.28	64,801	66,410	66,768
Total Foreign	158,111	160,226	160,759	2.95	2.99	3.00	467,103	479,596	482,881
United States	1,046	1,253	961	8.38	8.11	8.41	6,133	7,117	5,659
Total	159,157	161,479	161,720	2.97	3.01	3.02	473,236	486,713	488,540

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution, supply, and and distribution statistics from foreign governments.

Table 1-33.—Rice, milled equivalent: International trade, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	1,000 metric tons	*1,000 metric tons*	*1,000 metric tons*
Principle exporting countries:			
India	11,710	12,041	12,500
Thailand	11,615	11,056	9,800
Vietnam	6,488	6,590	6,500
Pakistan	3,548	4,011	4,000
United States	3,645	2,763	2,858
Burma	3,350	2,750	2,800
China	805	1,386	2,600
Cambodia	1,150	1,300	1,300
Uruguay	950	756	785
Brazil	830	1,152	650
Paraguay	537	650	650
Guyana	431	455	414
Argentina	343	310	330
European Union	319	349	300
Russia	175	139	150
South Africa	140	112	125
Cote d'Ivoire	70	80	100
Guinea	80	80	100
Suriname	109	90	95
Mexico	85	102	90
Principle importing countries:			
China	5,300	5,500	3,500
Philippines	1,100	1,300	3,300
Nigeria	2,500	2,000	2,200
European Union	1,841	2,006	2,000
Cote d'Ivoire	1,300	1,370	1,500
Saudi Arabia	1,195	1,300	1,350
Iraq	1,070	1,130	1,300
Senegal	1,100	1,150	1,250
Iran	1,400	1,200	1,200
South Africa	1,005	1,074	1,050
Malaysia	900	800	1,000
United States	745	875	911
Guinea	610	700	850
United Arab Emirates	700	775	850
Mexico	870	813	815
Brazil	614	562	800
Egypt	102	87	800
Ghana	600	780	800
Kenya	650	675	750
Nepal	530	670	700

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-34.—Food grains: Average price, selected markets and grades, 2009–2018 [1]

Calendar year [2]	Kansas City			Minneapolis (rail)			Portland	St. Louis
	Wheat, No. 1 Hard Winter, Ordinary Protein (rail)	Wheat, No. 1 Hard Winter, 13% protein (rail)	Wheat, No. 2 Soft Red Winter (rail)	Wheat, No. 1 Hard Amber Durum (milling) (rail)	Wheat, No. 1 Dark Northern Spring (rail), 14% protein	Rye, No. 2, 20 day delivery (truck)	Wheat No. 1 Soft White	Wheat, No. 2 Soft Red Winter (truck)
	Dollars per bushel	*Dollars per bushel*	*Dollars per bushel*	*Dollars per bushel*	*Dollars per bushel*	*Dollars per bushel*	*Dollars per bushel*	*Dollars per bushel*
2009	5.80	6.29	5.06	.....	7.21	4.35	5.28	5.55
2010	5.90	6.58	6.03	8.75	7.79	4.58	5.45	5.36
2011	8.44	9.17	7.87	.....	11.36	.....	7.08	7.49
2012	8.47	8.96	7.25	.....	9.69	.....	7.74	7.56
2013	7.22	8.60	6.67	(NA)	8.08	(NA)	7.67	6.97
2014	7.89	7.95	5.72	(NA)	8.73	5.75	7.09	6.45
2015	6.05	6.16	4.43	(NA)	7.00	5.75	5.88	4.81
2016	4.80	5.50	3.35	(NA)	6.60	4.48	4.95	4.32
2017	5.03	6.25	3.98	(NA)	7.18	4.07	4.99	4.36
2018	6.22	6.67	6.19	(NA)	7.12	5.38	5.88	(NA)

Calendar year [2]	Chicago	Denver Wheat, No. 1 Hard Winter (truck red)	S.W. Louisiana Milled Rice		Arkansas Milled Rice		Texas Milled Rice
	Wheat, No. 2 Soft Red Winter (rail)		Medium	Long	Medium	Long	Long
	Dollars per bushel	*Dollars per bushel*	*Dollars per cwt*	*Dollars per cwt*	*Dollars per cwt*	*Dollars per cwt*	*Dollars per cwt*
2009	4.43	5.04	39.56	24.91	40.57	26.46	27.88
2010	5.36	5.00	30.80	23.12	29.68	23.91	26.46
2011	6.83	7.36	33.47	26.20	34.99	27.10	29.25
2012	7.44	7.44	28.89	25.77	27.91	26.18	27.18
2013	6.84	7.27	30.56	28.48	28.68	28.52	29.61
2014	5.89	6.38	30.76	27.04	31.30	27.62	29.15
2015	5.08	4.77	27.88	23.30	27.41	23.35	25.31
2016	4.31	3.35	27.39	22.65	22.92	23.01	23.92
2017	4.22	3.45	22.88	22.88	23.75	22.52	23.07
2018	4.88	4.52	29.43	22.54	27.41	27.41	26.37

(NA) Not available. [1] Simple average of daily prices. [2] For wheat and rye, crop year begins in June. For rice, crop year begins in August.
AMS, Livestock and Grain Market News branch, (202) 720–6231.

Table 1-35.—Corn: Area, yield, production, and value, United States, 2009–2018

Year	Area planted, all purposes	Corn for grain					Corn for silage		
		Area harvested	Yield per harvested acre	Production	Marketing year average price per bushel	Value of production	Area harvested	Yield per harvested acre	Production
	1,000 acres	*1,000 acres*	*Bushels*	*1,000 bushels*	*Dollars*	*1,000 dollars*	*1,000 acres*	*Tons*	*1,000 tons*
2009	86,382	79,490	164.4	13,067,156	3.55	46,640,936	5,605	19.3	108,221
2010	88,192	81,446	152.6	12,425,330	5.18	64,529,628	5,567	19.3	107,314
2011	91,936	83,879	146.8	12,313,956	6.22	76,651,242	5,935	18.4	109,091
2012	97,291	87,365	123.1	10,755,111	6.89	74,155,299	7,419	15.7	116,148
2013	95,365	87,451	158.1	13,828,964	4.46	61,927,548	6,281	18.8	118,296
2014	90,597	83,136	171.0	14,215,532	3.70	52,951,760	6,371	20.1	128,048
2015	88,019	80,753	168.4	13,601,964	3.61	49,339,261	6,237	20.4	127,311
2016	94,004	86,748	174.6	15,148,038	3.36	51,304,297	6,206	20.3	126,020
2017	90,167	82,733	176.6	14,609,407	3.30	49,567,854	6,385	20.0	127,434
2018	89,129	81,740	176.4	14,420,101	3.55	51,481,090	6,113	19.9	121,361

NASS, Crops Branch, (202) 720–2127.

Table 1-36.—Corn: Area, yield, and production, by State and United States, 2016–2018

State	Area planted for all purposes			Area harvested for grain		
	2016	2017	2018	2016	2017	2018
	1,000 acres					
Alabama	330	250	260	315	235	250
Arizona	95	65	70	50	32	15
Arkansas	760	620	660	745	595	645
California	420	430	430	100	80	65
Colorado	1,340	1,460	1,470	1,170	1,300	1,200
Connecticut	25	24	23	(NA)	(NA)	(NA)
Delaware	170	180	170	164	171	166
Florida	80	75	100	40	37	65
Georgia	410	290	325	340	245	285
Idaho	340	340	360	100	115	135
Illinois	11,600	11,200	11,000	11,450	10,950	10,850
Indiana	5,600	5,350	5,350	5,470	5,200	5,200
Iowa	13,900	13,300	13,200	13,500	12,900	12,800
Kansas	5,100	5,500	5,450	4,920	5,200	5,000
Kentucky	1,500	1,320	1,340	1,400	1,220	1,230
Louisiana	620	500	460	550	490	450
Maine	31	31	31	(NA)	(NA)	(NA)
Maryland	460	480	450	400	420	390
Massachusetts	16	15	14	(NA)	(NA)	(NA)
Michigan	2,400	2,250	2,300	2,040	1,890	1,940
Minnesota	8,450	8,050	7,900	8,000	7,630	7,490
Mississippi	750	520	480	720	500	465
Missouri	3,650	3,400	3,500	3,500	3,250	3,330
Montana	115	115	115	55	65	68
Nebraska	9,850	9,550	9,600	9,550	9,300	9,310
Nevada	11	12	13	(NA)	(NA)	(NA)
New Hampshire	15	14	13	(NA)	(NA)	(NA)
New Jersey	80	77	72	71	70	61
New Mexico	120	125	135	41	43	35
New York	1,100	1,000	1,100	570	485	645
North Carolina	1,000	890	910	940	840	830
North Dakota	3,450	3,420	3,150	3,270	3,230	2,930
Ohio	3,550	3,400	3,500	3,300	3,150	3,300
Oklahoma	400	350	320	350	305	280
Oregon	80	85	80	39	44	45
Pennsylvania	1,400	1,350	1,350	950	920	950
Rhode Island	2	2	2	(NA)	(NA)	(NA)
South Carolina	375	350	340	350	325	310
South Dakota	5,600	5,700	5,300	5,130	5,080	4,860
Tennessee	880	750	740	830	710	690
Texas	2,900	2,450	2,200	2,550	2,240	1,750
Utah	80	80	70	29	20	22
Vermont	90	82	85	(NA)	(NA)	(NA)
Virginia	490	500	485	340	340	325
Washington	170	170	165	85	80	85
West Virginia	49	50	46	35	33	33
Wisconsin	4,050	3,900	3,900	3,220	2,930	3,170
Wyoming	100	95	95	69	63	70
United States	94,004	90,167	89,129	86,748	82,733	81,740

See footnote(s) at end of table.

Table 1-36.—Corn: Area, yield, and production, by State and United States, 2016–2018—Continued

State	Corn for grain					
	Yield per harvested acre			Production		
	2016	2017	2018	2016	2017	2018
	1,000 acres					
Alabama	120.0	167.0	156.0	37,800	39,245	39,000
Arizona	215.0	195.0	220.0	10,750	6,240	3,300
Arkansas	171.0	183.0	181.0	127,395	108,885	116,745
California	185.0	167.0	173.0	18,500	13,360	11,245
Colorado	137.0	143.0	130.0	160,290	185,900	156,000
Connecticut	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Delaware	170.0	189.0	145.0	27,880	32,319	24,070
Florida	145.0	161.0	157.0	5,800	5,957	10,205
Georgia	165.0	176.0	176.0	56,100	43,120	50,160
Idaho	188.0	203.0	213.0	18,800	23,345	28,755
Illinois	197.0	201.0	210.0	2,255,650	2,200,950	2,278,500
Indiana	173.0	180.0	189.0	946,310	936,000	982,800
Iowa	203.0	202.0	196.0	2,740,500	2,605,800	2,508,800
Kansas	142.0	132.0	129.0	698,640	686,400	645,000
Kentucky	159.0	178.0	175.0	222,600	217,160	215,250
Louisiana	165.0	184.0	173.0	90,750	90,160	77,850
Maine	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Maryland	152.0	172.0	146.0	60,800	72,240	56,940
Massachusetts	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Michigan	157.0	159.0	153.0	320,280	300,510	296,820
Minnesota	193.0	194.0	182.0	1,544,000	1,480,220	1,363,180
Mississippi	166.0	189.0	185.0	119,520	94,500	86,025
Missouri	163.0	170.0	140.0	570,500	552,500	466,200
Montana	100.0	70.0	85.0	5,500	4,550	5,780
Nebraska	178.0	181.0	192.0	1,699,900	1,683,300	1,787,520
Nevada	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
New Hampshire	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
New Jersey	145.0	167.0	141.0	10,295	11,690	8,601
New Mexico	150.0	134.0	187.0	6,150	5,762	6,545
New York	129.0	161.0	159.0	73,530	78,085	102,555
North Carolina	129.0	142.0	113.0	121,260	119,280	93,790
North Dakota	158.0	139.0	153.0	516,660	448,970	448,290
Ohio	159.0	177.0	187.0	524,700	557,550	617,100
Oklahoma	121.0	126.0	134.0	42,350	38,430	37,520
Oregon	230.0	212.0	195.0	8,970	9,328	8,775
Pennsylvania	129.0	161.0	140.0	122,550	148,120	133,000
Rhode Island	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
South Carolina	127.0	136.0	127.0	44,450	44,200	39,370
South Dakota	161.0	145.0	160.0	825,930	736,600	777,600
Tennessee	151.0	171.0	168.0	125,330	121,410	115,920
Texas	127.0	140.0	108.0	323,850	313,600	189,000
Utah	175.0	176.0	182.0	5,075	3,520	4,004
Vermont	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Virginia	148.0	140.0	146.0	50,320	47,600	47,450
Washington	235.0	225.0	220.0	19,975	18,000	18,700
West Virginia	145.0	152.0	152.0	5,075	5,016	5,016
Wisconsin	178.0	174.0	172.0	573,160	509,820	545,240
Wyoming	147.0	155.0	164.0	10,143	9,765	11,480
United States	174.6	176.6	176.4	15,148,038	14,609,407	14,420,101

(NA) Not available.
NASS, Crops Branch, (202) 720–2127.

Table 1-37.—Corn: Supply and disappearance, United States, 2009–2018

Year beginning September 1	Supply				Disappearance					Ending stocks Aug. 31
	Beginning stocks	Production	Imports	Total [1]	Domestic use			Exports	Total disappearance	
					Food, alcohol, and industrial	Seed	Feed and residual			
	Million bushels									
2009	1,673	13,067	8	14,749	5,939	27.8	5,096	1,979	13,041	1,708
2010	1,708	12,425	28	14,161	6,403	29.6	4,770	1,831	13,033	1,128
2011	1,128	12,314	29	13,471	6,400	31.0	4,512	1,539	12,482	989
2012	989	10,755	160	11,904	6,013	31.0	4,309	730	11,083	821
2013	821	13,831	36	14,688	6,501	29.7	5,004	1,921	13,456	1,232
2014	1,232	14,217	32	15,481	6,566	29.3	5,287	1,867	13,750	1,731
2015	1,731	13,602	68	15,401	6,617	30.6	5,118	1,899	13,664	1,737
2016	1,737	15,148	57	16,942	6,856	29.3	5,470	2,294	14,649	2,293
2017	2,293	14,609	36	16,939	7,027	29.6	5,304	2,438	14,798	2,140
2018	2,140	14,420	30	16,590	6,824	30.8	5,275	2,100	14,230	2,360

Latest data may be preliminary or projected. [1] Total may not add due to rounding.
ERS, Market and Trade Economics Division, (202) 694–5313. Source: USDA, World Agricultural Outlook Board, World Agricultural Supply and Demand Estimates and supporting materials.

Table 1-38.—Corn: Stocks on and off farms, United States, 2009–2018

Year beginning previous December	On farms				Off farms [1]			
	Dec. 1	Mar. 1	Jun. 1	Sep. 1 [2]	Dec. 1	Mar. 1	Jun. 1	Sep. 1 [2]
	1,000 bushels							
2009	6,482,000	4,085,000	2,205,400	607,500	3,590,106	2,869,145	2,056,027	1,065,811
2010	7,405,000	4,548,000	2,131,400	485,100	3,497,460	3,145,787	2,178,671	1,222,687
2011	6,302,000	3,384,000	1,681,500	314,950	3,754,769	3,139,228	1,988,832	812,695
2012	6,175,000	3,192,000	1,482,000	313,700	3,471,823	2,831,356	1,666,204	675,327
2013	4,586,000	2,669,200	1,260,100	275,000	3,446,732	2,730,726	1,506,144	546,185
2014	6,380,000	3,860,500	1,863,200	462,000	4,072,532	3,147,623	1,988,516	769,904
2015	7,087,000	4,380,000	2,275,000	593,000	4,124,380	3,369,806	2,177,988	1,138,164
2016	6,829,000	4,335,000	2,471,400	627,400	4,406,178	3,487,233	2,239,679	1,109,658
2017	7,611,000	4,908,000	2,841,400	787,000	4,772,471	3,713,992	2,387,682	1,506,303
2018	7,739,000	5,002,000	2,750,000	620,000	4,827,501	3,890,126	2,554,704	1,520,335

[1] Includes stocks at mills, elevators, warehouses, terminals, and processors. [2] Old crop only.
NASS, Crops Branch, (202) 720–2127.

Table 1-39.—Corn: Utilization for silage, by State and United States, 2016–2018

State	Silage								
	Area harvested			Yield per acre			Production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*Tons*	*Tons*	*Tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*
Alabama	7	7	5	16.0	17.0	16.0	112	119	80
Arizona	44	32	51	30.0	31.0	29.0	1,320	992	1,479
Arkansas	2	2	3	15.0	19.0	21.0	30	38	63
California	315	345	360	26.5	26.5	27.5	8,348	9,143	9,900
Colorado	140	130	190	24.0	25.5	22.0	3,360	3,315	4,180
Connecticut	21	20	20	18.5	19.5	19.0	389	390	380
Delaware	5	7	3	18.0	19.5	24.0	90	137	72
Florida	35	35	30	19.0	19.0	21.0	665	665	630
Georgia	40	35	30	19.0	16.0	21.0	760	560	630
Idaho	235	220	220	30.0	30.0	30.0	7,050	6,600	6,600
Illinois	80	190	100	21.0	17.0	20.0	1,680	3,230	2,000
Indiana	100	110	100	22.0	21.0	21.0	2,200	2,310	2,100
Iowa	330	330	270	24.0	21.0	20.5	7,920	6,930	5,535
Kansas	150	250	390	19.5	21.5	13.5	2,925	5,375	5,265
Kentucky	80	85	90	19.5	20.0	21.0	1,560	1,700	1,890
Louisiana	1	1	2	17.0	20.0	20.0	17	20	40
Maine	28	27	27	19.0	18.0	20.0	532	486	540
Maryland	50	50	45	18.0	20.5	19.0	900	1,025	855
Massachusetts	14	12	12	16.0	19.0	20.0	224	228	240
Michigan	340	340	340	19.5	18.5	17.5	6,630	6,290	5,950
Minnesota	390	360	340	21.5	21.5	22.0	8,385	7,740	7,480
Mississippi	10	7	7	14.0	18.0	15.0	140	126	105
Missouri	80	70	100	15.0	15.0	13.0	1,200	1,050	1,300
Montana	55	25	37	22.0	20.0	20.0	1,210	500	740
Nebraska	240	210	220	19.5	19.5	21.0	4,680	4,095	4,620
Nevada	7	10	7	24.0	24.0	26.0	168	240	182
New Hampshire	14	13	12	20.0	20.0	21.0	280	260	252
New Jersey	5	6	6	16.0	19.5	19.0	80	117	114
New Mexico	75	80	95	23.0	25.0	22.0	1,725	2,000	2,090
New York	510	495	445	16.0	18.0	19.0	8,160	8,910	8,455
North Carolina	40	40	50	15.5	18.0	16.0	620	720	800
North Dakota	150	160	170	17.5	10.0	15.0	2,625	1,600	2,550
Ohio	210	210	160	15.5	20.0	20.0	3,255	4,200	3,200
Oklahoma	20	20	20	15.0	20.0	11.0	300	400	220
Oregon	40	40	34	27.0	24.0	23.0	1,080	960	782
Pennsylvania	440	420	390	17.5	21.5	19.0	7,700	9,030	7,410
Rhode Island	2	2	2	18.5	18.0	21.0	37	36	42
South Carolina	13	16	19	14.0	18.0	14.0	182	288	266
South Dakota	420	510	360	17.5	12.5	16.5	7,350	6,375	5,940
Tennessee	40	30	38	19.0	22.0	19.0	760	660	722
Texas	250	150	270	17.0	22.0	16.0	4,250	3,300	4,320
Utah	49	56	45	24.0	25.0	23.0	1,176	1,400	1,035
Vermont	85	76	79	20.0	16.5	19.0	1,700	1,254	1,501
Virginia	130	135	135	20.0	18.0	19.0	2,600	2,430	2,565
Washington	85	90	80	26.0	27.0	26.0	2,210	2,430	2,080
West Virginia	13	16	11	19.0	20.0	19.0	247	320	209
Wisconsin	790	880	670	21.0	19.0	20.0	16,590	16,720	13,400
Wyoming	26	30	23	23.0	24.0	24.0	598	720	552
United States	6,206	6,385	6,113	20.3	20.0	19.9	126,020	127,434	121,361

NASS, Crops Branch, (202) 720–2127.

Table 1-40.—Corn for grain: Marketing year average price and value, by State and United States, 2016–2018

State	Marketing year average price per bushel			Value of production		
	2016	2017	2018 [1]	2016	2017	2018 [1]
	Dollars	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Alabama	3.63	4.04	4.10	137,214	158,550	159,900
Arizona	4.73	4.55	4.90	50,848	28,392	16,170
Arkansas	3.69	3.64	3.70	470,088	396,341	431,957
California	4.69	4.20	4.20	86,765	56,112	47,229
Colorado	3.42	3.37	3.75	548,192	626,483	585,000
Delaware	4.09	4.02	3.80	114,029	129,922	91,466
Florida	3.93	4.47	4.20	22,794	26,628	42,861
Georgia	3.88	4.33	4.20	217,668	186,710	210,672
Idaho	4.44	4.21	4.45	83,472	98,282	127,960
Illinois	3.43	3.41	3.60	7,736,880	7,505,240	8,202,600
Indiana	3.63	3.56	3.60	3,435,105	3,332,160	3,538,080
Iowa	3.30	3.31	3.50	9,043,650	8,625,198	8,780,800
Kansas	3.20	3.28	3.60	2,235,648	2,251,392	2,322,000
Kentucky	3.74	3.69	3.80	832,524	801,320	817,950
Louisiana	3.70	3.72	3.85	335,775	335,395	299,723
Maryland	4.05	4.02	3.80	246,240	290,405	216,372
Michigan	3.44	3.46	3.55	1,101,763	1,039,765	1,053,711
Minnesota	3.21	3.18	3.40	4,956,240	4,707,100	4,634,812
Mississippi	3.74	3.68	3.75	447,005	347,760	322,594
Missouri	3.40	3.41	3.60	1,939,700	1,884,025	1,678,320
Montana	4.15	3.41	3.50	22,825	15,516	20,230
Nebraska	3.32	3.35	3.55	5,643,668	5,639,055	6,345,696
New Jersey	3.90	3.75	3.50	40,151	43,838	30,104
New Mexico	3.93	3.90	4.45	24,170	22,472	29,125
New York	3.90	4.07	4.10	286,767	317,806	420,476
North Carolina	4.07	4.24	4.35	493,528	505,747	407,987
North Dakota	3.01	3.04	3.30	1,555,147	1,364,869	1,479,357
Ohio	3.61	3.61	3.65	1,894,167	2,012,756	2,252,415
Oklahoma	3.39	3.59	3.80	143,567	137,964	142,576
Oregon	4.25	3.78	4.15	38,123	35,260	36,416
Pennsylvania	4.04	3.87	4.05	495,102	573,224	538,650
South Carolina	3.69	4.40	4.40	164,021	194,480	173,228
South Dakota	3.09	3.09	3.30	2,552,124	2,276,094	2,566,080
Tennessee	3.66	3.55	3.75	458,708	431,006	434,700
Texas	3.71	3.70	4.10	1,201,484	1,160,320	774,900
Utah	3.87	3.96	4.50	19,640	13,939	18,018
Virginia	4.00	3.96	3.90	201,280	188,496	185,055
Washington	4.71	4.05	4.10	94,082	72,900	76,670
West Virginia	3.90	3.95	3.90	19,793	19,813	19,562
Wisconsin	3.28	3.30	3.50	1,879,965	1,682,406	1,908,340
Wyoming	3.39	3.35	3.60	34,385	32,713	41,328
United States	3.36	3.36	3.55	51,304,297	49,567,854	51,481,090

[1] Preliminary.
NASS, Crops Branch, (202) 720–2127.

Table 1-41.—International Corn: Area, yield, and production in specified countries, 2015/2016–2017/2018

Country	Area			Yield per hectare			Production		
	2015/2016	2016/2017	2017/2018	2015/2016	2016/2017	2017/2018	2015/2016	2016/2017	2017/2018
	1,000 hectares			*Metric tons*			*1,000 metric tons*		
Argentina	3,700	4,900	5,100	7.97	8.37	6.47	29,500	41,000	33,000
Brazil	16,000	17,600	16,800	4.19	5.60	4.97	67,000	98,500	83,500
Canada	1,340	1,414	1,405	10.21	9.82	10.04	13,680	13,889	14,100
China	38,119	36,768	35,445	5.89	5.97	6.09	224,632	219,552	215,891
European Union	9,252	8,566	8,372	6.35	7.22	7.44	58,748	61,888	62,277
India	8,730	9,633	9,219	2.59	2.69	2.92	22,570	25,900	26,880
Indonesia	7,207	7,509	7,230	3.60	3.67	3.71	25,971	27,575	26,800
Mexico	2,671	2,777	2,700	4.93	5.51	4.90	13,168	15,305	13,229
Russia	2,213	2,996	2,650	3.71	5.86	5.21	8,214	17,551	13,800
Ukraine	4,085	4,239	4,433	5.71	6.60	5.44	23,333	27,969	24,115
Others	54,706	55,368	56,800	2.58	2.61	2.63	140,923	144,692	149,251
Total Foreign	148,023	151,770	150,154	4.24	4.57	4.41	627,739	693,821	662,843
United States	32,680	35,106	33,469	10.57	10.96	11.08	345,506	384,778	370,960
Total	180,703	186,876	183,623	5.39	5.77	5.63	973,245	1,078,599	1,033,803

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of offical USDA production, supply, and distribution statistics from foreign governments.

Table 1-42.—Corn: International trade, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	1,000 metric tons	*1,000 metric tons*	*1,000 metric tons*
Principle exporting countries:			
United States	58,270	61,935	55,883
Argentina	25,986	22,500	34,000
Brazil	31,604	25,121	34,000
Ukraine	21,334	18,036	29,500
Russia	5,598	5,532	3,000
Serbia	2,414	819	2,700
European Union	2,189	1,749	2,500
Paraguay	1,901	1,800	2,200
Canada	1,522	1,936	2,000
Burma	1,500	1,350	1,400
South Africa	2,289	2,069	1,000
Mexico	1,539	958	800
Cambodia	300	500	500
India	597	1,089	500
Moldova	217	460	500
Vietnam	500	500	500
Laos	300	200	300
Zambia	600	700	300
Indonesia	3	272	250
Thailand	729	199	200
Principle importing countries:			
European Union	14,973	18,465	23,500
Mexico	14,614	16,129	17,500
Japan	15,169	15,668	15,500
Korea, South	9,220	10,018	10,200
Vietnam	8,100	8,600	10,200
Egypt	8,773	9,464	9,700
Iran	7,800	8,900	9,500
Colombia	4,754	5,201	5,500
China	2,464	3,456	5,000
Saudi Arabia	3,421	3,983	5,000
Algeria	4,109	4,184	4,400
Taiwan	4,163	4,410	4,100
Malaysia	3,531	3,645	4,000
Peru	3,269	3,402	3,600
Morocco	2,097	2,558	2,800
Chile	1,644	2,132	2,300
Canada	706	1,699	2,200
Turkey	1,389	2,719	2,200
Israel	1,539	1,861	1,700
Bangladesh	897	1,476	1,500

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-43.—Corn: Support operations, United States, 2012–2018

Marketing year beginning September 1	Income support payment rates per bushel [1]	Program price levels per bushel		Put under loan		Acquired by CCC under loan program [5]	Owned by CCC at end of marketing year
		Loan [2]	Target/ reference [3]	Quantity	Percentage of production [4]		
	Dollars	*Dollars*	*Dollars*	*Million bushels*	*Percent*	*Million bushels*	*Million bushels*
2012/2013	0.28/0.00	1.95	2.63	368	3.4	0	0
2013/2014	0.28/0.00	1.95	2.63	460	3.3	0	0
2014/2015	0.00	1.95	3.70	574	4.0	0	0
2015/2016	0.09	1.95	3.70	746	5.5	0	0
2016/2017	0.34	1.95	3.70	880	5.8	0	0
2017/2018	0.35	1.95	3.70	980	6.7	0	0
2018/2019	0.10	1.95	3.70	919	6.4	0	0

[1] The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage (PLC) payment rate. For 2017/2018, projected PLC payment rate is based on March 2018 WASDE MY price. Agricultural Risk Coverage (ARC) is also available, but payment rates are established at the county or farm levels. [2] For 2009/2010-2013/2014, producers who participated in the ACRE program got a 30 percent reduction in their loan rate, not calculated in this table. [3] Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. [4] Percent of production is on a grain basis. [5] Acquisitions as of September 30, 2019.
FPAC-BC, Commodity Analysis Branch.

Table 1-44.—Corn: United States exports, specified by country of destination, 2016–2018 [1]

Country of destination	2016	2017	2018
	Metric tons		
Mexico	13,793,172	14,713,470	16,723,702
Japan	11,879,775	12,378,239	15,254,712
Korea, South	4,839,165	4,000,781	7,268,377
Colombia	4,558,964	4,779,449	5,509,784
Taiwan	2,658,105	2,256,757	3,212,124
Peru	2,686,455	3,216,248	3,074,252
Canada	888,114	837,589	1,971,341
Vietnam	539,161	541	1,908,990
Egypt	908,053	142,159	1,861,572
Saudi Arabia	1,953,149	1,599,150	1,724,045
Spain	85,079	185,613	1,167,083
Guatemala	987,278	859,355	1,153,275
Dominican Republic	515,249	562,416	947,230
Costa Rica	674,514	835,332	867,592
Morocco	772,927	575,272	822,679
Israel(*)	387,811	107,459	814,810
Honduras	587,410	489,966	620,111
El Salvador	689,094	456,103	601,587
Venezuela	1,116,316	336,081	509,994
Panama	494,891	494,518	507,012
Tunisia	177,691	20,000	451,707
Netherlands	84,457	210,197	439,800
Nicaragua	317,043	257,712	338,400
China	215,307	811,069	289,757
Jamaica	272,104	295,841	284,394
Portugal	109,026	118,335	227,473
Philippines	78,243	56,060	167,073
Indonesia	314,574	126,705	151,160
Cuba	191,600	230,863	116,599
Trinidad and Tobago	88,141	80,752	91,781
Rest of World	2,803,560	1,727,793	726,218
World Total	55,666,428	52,761,825	69,804,634

[1] Data Source: U.S. Census Bureau trade data. Excludes seed, popcorn.
FAS, Office of Global Analysis, (202) 720-6301.

Table 1-45.—Oats: Area, yield, production, and value, United States, 2009–2018

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers	Value of production
	Planted [1]	Harvested				
	1,000 acres	*1,000 acres*	*Bushels*	*1,000 bushels*	*Dollars*	*1,000 dollars*
2009	3,349	1,340	67.9	91,043	2.02	200,997
2010	3,113	1,267	64.6	81,856	2.52	218,536
2011	2,349	875	57.3	50,126	3.49	175,523
2012	2,700	1,005	61.2	61,486	3.89	243,018
2013	2,980	1,009	64.1	64,642	3.75	239,643
2014	2,753	1,035	67.9	70,232	3.21	241,472
2015	3,088	1,276	70.2	89,455	2.12	214,415
2016	2,829	979	66.0	64,628	2.06	153,824
2017	2,589	804	61.7	49,585	2.59	139,635
2018	2,746	865	64.9	56,130	2.65	163,822

[1] Relates to the total area of oats sown for all purposes, including oats sown in the preceding fall.
NASS, Crops Branch, (202) 720–2127.

Table 1-46.—Oats: Stocks on and off farms, United States, 2009–2018

Year beginning September	On farms				Off farms [1]			
	Sep. 1	Dec. 1	Mar. 1	Jun. 1	Sep. 1	Dec. 1	Mar. 1	Jun. 1
2009	54,500	43,000	30,900	17,600	73,875	67,629	67,091	62,716
2010	45,850	34,100	26,950	14,580	70,722	66,911	59,361	53,049
2011	30,300	24,600	19,550	11,070	47,391	54,244	55,044	43,869
2012	34,100	26,100	18,900	11,380	50,872	47,051	33,726	24,957
2013	37,150	25,650	19,800	9,710	26,339	22,394	15,323	15,029
2014	41,400	31,300	20,810	15,120	32,910	35,670	38,609	38,625
2015	47,800	36,750	26,800	18,350	46,066	45,981	48,429	38,452
2016	37,400	30,430	22,320	13,540	41,190	45,058	40,885	36,790
2017	33,950	23,300	17,240	11,410	38,039	43,166	37,699	29,606
2018	39,200	25,410	18,050	10,500	35,573	41,864	32,232	26,428

[1] Includes stocks at mills, elevators, warehouses, terminals, and processors.
NASS, Crops Branch, (202) 720–2127.

Table 1-47.—Oats: Supply and disappearance, United States, 2009–2018

Year beginning June 1	Supply				Disappearance					Ending stocks May 31 [1]
					Domestic use			Exports	Total disappearance	
	Beginning stocks	Production	Imports	Total	Food, alcohol, and industrial	Seed	Feed and residual			
	Million bushels									
2009	84	91	95	270	66	8	113	2	190	80
2010	80	82	85	247	67	7	103	3	180	68
2011	68	50	94	212	69	7	78	2	157	55
2012	55	61	93	209	68	8	96	1	173	36
2013	36	65	97	198	66	7	98	2	173	25
2014	25	70	109	204	69	8	71	2	150	54
2015	54	89	86	229	69	7	93	2	172	57
2016	57	65	90	212	70	6	82	3	161	50
2017	50	50	89	189	71	7	68	2	148	41
2018	41	56	87	184	71	6	68	2	147	37

[1] Privately held: Includes quantity under loan and farmer-owned reserve.
Latest data may be preliminary or projected. Totals may not add due to rounding.
ERS, Market and Trade Economics Division, (202) 694–5313. Source: USDA, World Agricultural Outlook Board, World Agricultural Supply and Demand Estimates and supporting materials.

Table 1-48.—Oats: Area, yield, and production, by State and United States, 2016–2018

State	Area planted [1]			Area harvested		
	2016	2017	2018	2016	2017	2018
	1,000 acres					
Alabama	50	40	40	20	10	15
Arkansas	11	11	10	8	8	7
California	110	110	110	11	10	6
Colorado	55	50	95	10	9	7
Georgia	45	50	60	15	15	15
Idaho	55	50	40	15	10	10
Illinois	45	35	40	20	20	25
Iowa	120	115	135	43	42	33
Kansas	120	100	120	30	25	18
Maine	25	22	21	22	21	19
Michigan	65	55	75	30	40	50
Minnesota	210	170	180	120	95	105
Missouri	45	30	35	19	13	16
Montana	60	70	70	28	18	23
Nebraska	135	110	125	25	35	22
New York	90	55	69	60	35	43
North Carolina	35	35	30	9	10	11
North Dakota	290	295	300	110	80	105
Ohio	50	60	55	25	20	30
Oklahoma	65	45	50	8	16	10
Oregon	30	25	20	10	10	5
Pennsylvania	85	70	65	50	40	35
South Carolina	17	20	19	7	8	7
South Dakota	295	290	290	110	60	95
Texas	470	455	450	60	60	50
Washington	18	16	17	7	4	4
Wisconsin	210	180	200	100	85	90
Wyoming	23	25	25	7	5	9
United States	2,829	2,588	2,746	979	804	865

State	Yield per harvested acre			Production		
	2016	2017	2018	2016	2017	2018
	Bushels			*1,000 bushels*		
Alabama	55.0	60.0	63.0	1,100	600	945
Arkansas	73.0	85.0	75.0	584	680	525
California	65.0	65.0	70.0	715	650	420
Colorado	80.0	65.0	50.0	800	585	350
Georgia	58.0	49.0	71.0	870	735	1,065
Idaho	83.0	71.0	84.0	1,245	710	840
Illinois	81.0	79.0	83.0	1,620	1,580	2,075
Iowa	76.0	77.0	63.0	3,268	3,234	2,079
Kansas	57.0	54.0	49.0	1,710	1,350	882
Maine	71.0	67.0	67.0	1,562	1,407	1,273
Michigan	58.0	54.0	63.0	1,740	2,160	3,150
Minnesota	68.0	75.0	59.0	8,160	7,125	6,195
Missouri	60.0	65.0	45.0	1,140	845	720
Montana	47.0	47.0	43.0	1,316	846	989
Nebraska	60.0	49.0	69.0	1,500	1,715	1,518
New York	55.0	55.0	54.0	3,300	1,925	2,322
North Carolina	60.0	66.0	66.0	540	660	726
North Dakota	66.0	58.0	82.0	7,260	4,640	8,610
Ohio	74.0	70.0	65.0	1,850	1,400	1,950
Oklahoma	43.0	42.0	48.0	344	672	480
Oregon	90.0	83.0	99.0	900	830	495
Pennsylvania	67.0	58.0	46.0	3,350	2,320	1,610
South Carolina	46.0	51.0	62.0	322	408	434
South Dakota	82.0	70.0	82.0	9,020	4,200	7,790
Texas	50.0	45.0	50.0	3,000	2,700	2,500
Washington	61.0	42.0	46.0	427	168	184
Wisconsin	66.0	59.0	61.0	6,600	5,015	5,490
Wyoming	55.0	85.0	57.0	385	425	513
United States	66.0	61.7	64.9	64,628	49,585	56,130

[1] Relates to the total area of oats sown for all purposes, including oats sown in the preceding fall.
NASS, Crops Branch, (202) 720–2127.

Table 1-49.—Oats: Support operations, United States, 2012–2018

Marketing Year beginning June 1	Income support payment rates per bushel [1]	Program price levels per bushel		Put under loan		Acquired by CCC under loan program [5]	Owned by CCC at end of marketing year
		Loan [2]	Target/ reference [3]	Quantity	Percentage of production [4]		
	Dollars	*Dollars*	*Dollars*	*Million bushels*	*Percent*	*Million bushels*	*Million bushels*
2012/2013	0.02/0.00	1.39	1.79	0.3	0.5	0	0
2013/2014	0.02/0.00	1.39	1.79	0.3	0.5	0	0
2014/2015	0.00	1.39	2.40	0.5	0.7	0	0
2015/2016	0.28	1.39	2.40	1.1	1.3	0	0
2016/2017	0.34	1.39	2.40	0.8	1.2	0	0
2017/2018	0.00	1.39	2.40	0.4	0.8	0	0
2018/2019	0.00	1.39	2.40	0.4	0.8	0	0

[1] The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage (PLC) payment rate. Agricultural Risk Coverage (ARC) is also available, but payment rates are established at the county or farm levels. [2] For 2009/2010-2013/2014, producers who participated in the ACRE program got a 30 percent reduction in their loan rate, not calculated in this table. [3] Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. [4] Percent of production is on a grain basis. [5] Acquisitions as of September 30, 2019.
FPAC-BC, Commodity Analysis Branch.

Table 1-50.—Oats: Marketing year average price and value of production, by State and United States, 2016–2018

State	Marketing year average price per bushel			Value of production		
	2016	2017	2018 [1]	2016	2017	2018 [1]
	Dollars	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Alabama	3.90	4.05	4.50	4,290	2,430	4,253
Arkansas	2.15	2.80	2.75	1,256	1,904	1,444
California	3.80	2.90	3.30	2,717	1,885	1,386
Colorado	2.67	3.20	3.65	2,136	1,872	1,278
Georgia	3.60	3.67	4.20	3,132	2,697	4,473
Idaho	2.55	2.73	2.75	3,175	1,938	2,310
Illinois	2.40	3.39	2.80	3,888	5,356	5,810
Iowa	2.52	2.54	2.70	8,235	8,214	5,613
Kansas	1.77	2.93	3.25	3,027	3,956	2,867
Maine	2.30	2.80	3.30	3,593	3,940	4,201
Michigan	2.28	2.91	3.25	3,967	6,286	10,238
Minnesota	2.02	2.15	2.35	16,483	15,319	14,558
Missouri	2.30	3.25	2.70	2,622	2,746	1,944
Montana	3.20	2.86	2.90	4,211	2,420	2,868
Nebraska	2.25	2.62	2.75	3,375	4,493	4,175
New York	2.17	2.20	2.95	7,161	4,235	6,850
North Carolina	2.20	2.60	3.10	1,188	1,716	2,251
North Dakota	2.25	2.55	2.40	16,335	11,832	20,664
Ohio	3.04	3.51	3.60	5,624	4,914	7,020
Oklahoma	2.95	3.02	2.75	1,015	2,029	1,320
Oregon	2.50	2.65	3.40	2,250	2,200	1,683
Pennsylvania	2.76	3.57	3.95	9,246	8,282	6,360
South Carolina	3.10	3.64	4.10	998	1,485	1,779
South Dakota	1.97	2.45	2.45	17,769	10,290	19,086
Texas	4.03	4.28	4.95	12,090	11,556	12,375
Washington	1.77	2.26	2.30	756	380	423
Wisconsin	1.86	2.78	2.70	12,276	13,942	14,823
Wyoming	2.62	3.10	3.45	1,009	1,318	1,770
United States	2.06	2.59	2.65	153,824	139,635	163,822

[1] Preliminary.
NASS, Crops Branch, (202) 720–2127.

Table 1-51.—International Oats: Area, yield, and production in specified countries, 2016/2017–2018/2019

Country	Area			Yield per hectare			Production		
	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019
	1,000 hectares			*Metric tons*			*1,000 metric tons*		
European Union	2,571	2,665	2,704	3.13	3.04	2.83	8,044	8,087	7,644
Russia	2,746	2,780	2,725	1.73	1.96	1.73	4,750	5,448	4,715
Canada	925	1,052	1,000	3.49	3.55	3.45	3,231	3,733	3,450
Australia	1,028	874	634	2.20	1.40	1.40	2,266	1,227	888
United States	396	325	350	2.37	2.22	2.33	938	720	815
Brazil	292	340	376	2.84	1.87	2.11	828	634	795
China	450	475	500	1.17	1.16	1.15	525	550	575
Argentina	321	220	215	2.45	2.24	2.40	785	492	516
Chile	137	108	93	5.20	5.31	5.09	713	573	473
Belarus	146	150	160	2.67	3.33	2.88	390	500	460
Ukraine	214	208	198	2.38	2.31	2.14	510	481	423
Kazakhstan	210	213	235	1.60	1.34	1.43	335	285	336
Turkey	99	113	100	2.27	2.21	2.30	225	250	230
Norway	76	68	69	4.72	4.16	2.09	359	283	144
Algeria	85	85	85	1.29	1.29	1.29	110	110	110
Mexico	38	44	50	1.87	1.64	2.06	71	72	103
Serbia	30	30	30	2.17	2.17	2.17	65	65	65
Morocco	25	30	45	0.60	1.17	1.40	15	35	63
Uruguay	26	25	26	1.58	1.52	2.04	41	38	53
Bosnia and Herzegovina	10	11	14	2.90	2.73	2.79	29	30	39
South Africa	35	15	20	1.60	1.53	1.65	56	23	33
Albania	15	15	13	2.13	2.27	2.08	32	34	27
New Zealand	8	6	5	5.38	5.83	5.00	43	35	25

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution, supply, and and distribution statistics from foreign governments.

Table 1-52. Oats: International trade, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	1,000 metric tons		
Principle exporting countries:			
Canada	1,642	1,631	1,600
Australia	490	550	250
European Union	151	186	150
Russia	13	28	100
Chile	34	38	30
United States	50	35	29
Kazakhstan	13	10	25
Ukraine	28	9	10
Argentina	1	0	5
Brazil	2	4	5
Uruguay	1	1	1
Principle importing countries:			
United States	1,556	1,540	1,465
China	278	389	150
Mexico	123	129	100
Norway	3	16	80
Japan	49	44	50
Switzerland	52	51	50
Korea, South	23	46	40
South Africa	24	39	40
Belarus	0	2	30
Ecuador	31	41	30
Algeria	22	7	25
European Union	4	4	15
India	25	19	15
Canada	21	14	10
Bosnia and Herzegovina	4	6	5
Colombia	1	1	5
Serbia	1	1	5
Turkey	0	5	5
Uruguay	1	6	5
Morocco	4	2	2
Russia	11	0	0
Brazil	1	0	0

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-53.—Barley: Area, yield, production, and value, United States, 2009–2018

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers	Value of production
	Planted [1]	Harvested				
	1,000 acres	*1,000 acres*	*Bushels*	*1,000 bushels*	*Dollars*	*1,000 dollars*
2009	3,568	3,114	72.8	226,603	4.66	968,676
2010	2,872	2,465	73.1	180,241	3.86	691,573
2011	2,564	2,241	69.1	154,788	5.35	808,741
2012	3,660	3,274	66.9	218,990	6.43	1,371,381
2013	3,528	3,040	71.3	216,745	6.06	1,265,798
2014	3,031	2,497	72.7	181,542	5.30	914,955
2015	3,583	3,158	69.1	218,187	5.52	1,149,831
2016	3,059	2,565	77.9	199,914	4.96	949,876
2017	2,486	1,962	73.0	143,258	4.47	624,184
2018	2,548	1,982	77.5	153,527	4.62	693,058

[1] Barley sown for all purposes, including barley sown in the preceding fall.
NASS, Crops Branch, (202) 720–2127.

Table 1-54.—Barley: Stocks on and off farms, United States, 2009–2018

Year beginning September	On farms				Off farms [1]			
	Sep. 1	Dec. 1	Mar. 1	June 1	Sep. 1	Dec. 1	Mar. 1	June 1
	1,000 bushels							
2009	154,050	114,630	67,370	40,440	85,414	91,759	89,985	75,059
2010	125,070	91,660	57,700	26,040	98,818	88,720	80,424	63,311
2011	93,050	55,320	26,480	9,670	82,007	82,999	67,248	50,317
2012	112,550	72,580	35,180	15,840	85,226	85,473	81,897	64,557
2013	105,620	81,340	43,830	19,110	90,470	88,063	77,734	63,145
2014	97,820	74,510	41,990	20,940	81,997	81,625	76,247	57,639
2015	135,840	96,670	57,910	27,740	83,132	83,738	79,832	74,370
2016	130,600	99,100	56,490	27,050	99,737	93,429	88,211	79,314
2017	90,400	74,340	48,540	26,420	89,283	84,528	81,491	68,061
2018	91,350	72,070	46,180	22,870	83,456	80,561	75,216	63,709

[1] Includes stocks at mills, elevators, warehouses, terminals, and processors.
NASS, Crops Branch, (202) 720–2127.

Table 1-55.—Barley: Supply and disappearance, United States, 2009–2018

Year beginning June 1	Supply				Disappearance					Ending stocks May 31
					Domestic use			Exports	Total disappearance	
	Beginning stocks	Production	Imports	Total	Food, alcohol, and industrial	Seed	Feed and residual			Total [1]
	Million bushels									
2009	89	227	17	332	159	5	47	6	216	115
2010	115	180	9	305	154	5	50	8	216	89
2011	89	155	16	260	149	6	37	9	200	60
2012	60	219	23	302	141	6	66	9	222	80
2013	80	217	19	316	148	5	66	14	234	82
2014	82	182	24	287	154	6	34	14	209	79
2015	79	218	19	315	153	5	44	11	213	102
2016	102	200	10	312	158	4	39	4	205	106
2017	106	143	9	259	153	4	2	5	164	94
2018	94	153	6	253	150	5	7	5	167	87

[1] Privately held: Includes quantity under loan and farmer-owned reserve.
Includes quantity under loan and farmer–owned reserve. Latest data may be preliminary or projected. Totals may not add due to independent rounding.
ERS, Market and Trade Economics Division, (202) 694–5313.

Table 1-56.—Barley: Area, yield, and production, by State and United States, 2016–2018

State	Area planted [1]			Area harvested		
	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*
Alaska [2]	(X)	(X)	5	(X)	(X)	4
Arizona	17	20	14	16	17	11
California	85	75	65	60	29	26
Colorado	80	70	60	75	68	53
Delaware	35	32	25	25	18	14
Idaho	600	530	550	580	510	530
Kansas [3]	(NA)	(NA)	17	(NA)	(NA)	6
Maine [3]	(NA)	(NA)	17	(NA)	(NA)	16
Maryland	50	50	45	34	27	24
Michigan [3]	(NA)	(NA)	20	(NA)	(NA)	5
Minnesota	95	80	80	79	68	67
Montana	990	770	790	780	565	600
New York [3]	(NA)	(NA)	10	(NA)	(NA)	8
North Carolina [3]	(NA)	(NA)	11	(NA)	(NA)	8
North Dakota	740	520	470	640	400	385
Oregon	45	47	43	32	38	26
Pennsylvania	55	60	45	38	45	33
South Dakota [3]	(NA)	(NA)	48	(NA)	(NA)	13
Utah	29	25	21	19	18	16
Virginia	33	30	30	12	11	9
Washington	110	95	85	93	85	67
Wisconsin [3]	(NA)	(NA)	25	(NA)	(NA)	10
Wyoming	95	82	72	82	63	51
United States [4]	3,059	2,486	2,548	2,565	1,962	1,982

State	Yield per harvested acre			Production		
	2016	2017	2018	2016	2017	2018
	Bushels	*Bushels*	*Bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*
Alaska [2]	(X)	(X)	43.0	(X)	(X)	172
Arizona	128.0	131.0	100.0	2,048	2,227	1,100
California	75.0	50.0	69.0	4,500	1,450	1,794
Colorado	129.0	132.0	145.0	9,675	8,976	7,685
Delaware	76.0	85.0	78.0	1,900	1,530	1,092
Idaho	107.0	95.0	101.0	62,060	48,450	53,530
Kansas [3]	(NA)	(NA)	31.0	(NA)	(NA)	186
Maine [3]	(NA)	(NA)	73.0	(NA)	(NA)	1,168
Maryland	72.0	76.0	70.0	2,448	2,052	1,680
Michigan [3]	(NA)	(NA)	43.0	(NA)	(NA)	215
Minnesota	66.0	76.0	76.0	5,214	5,168	5,092
Montana	60.0	51.0	56.0	46,800	28,815	33,600
New York [3]	(NA)	(NA)	58.0	(NA)	(NA)	464
North Carolina [3]	(NA)	(NA)	80.0	(NA)	(NA)	640
North Dakota	67.0	65.0	74.0	42,880	26,000	28,490
Oregon	67.0	62.0	53.0	2,144	2,356	1,378
Pennsylvania	75.0	70.0	63.0	2,850	3,150	2,079
South Dakota [3]	(NA)	(NA)	55.0	(NA)	(NA)	715
Utah	82.0	75.0	86.0	1,558	1,350	1,376
Virginia	67.0	73.0	70.0	804	803	630
Washington	77.0	53.0	73.0	7,161	4,505	4,891
Wisconsin [3]	(NA)	(NA)	45.0	(NA)	(NA)	450
Wyoming	96.0	102.0	100.0	7,872	6,426	5,100
United States [4]	77.9	73.0	77.5	199,914	143,258	153,527

(NA) Not available. [1] Includes area planted in the preceding fall. [2] Alaska data previously included in a separate table for Alaska. [3] Estimates began in 2018. [4] Beginning in 2018, United States total includes data for Alaska.

NASS, Crops Branch, (202) 720–2127.

Table 1-57.—Barley: Marketing year average price and value, by State and United States, 2016–2018

State	Marketing year average price per bushel			Value of production		
	2016	2017	2018 [1]	2016	2017	2018 [1]
	Dollars	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Alaska [2]	(X)	(X)	5.20	(X)	(X)	894
Arizona	4.06	3.91	3.84	8,315	8,708	3,420
California	4.30	4.82	4.84	19,350	6,989	8,791
Colorado	5.31	4.60	4.55	51,374	41,290	33,930
Delaware	2.64	2.90	2.60	5,016	4,437	2,948
Idaho	5.19	4.75	5.03	322,091	230,138	264,974
Kansas [3]	(NA)	(NA)	3.20	(NA)	(NA)	595
Maine [3]	(NA)	(NA)	2.90	(NA)	(NA)	3,387
Maryland	2.69	2.90	2.60	6,585	5,951	4,536
Michigan [3]	(NA)	(NA)	2.45	(NA)	(NA)	677
Minnesota	4.18	4.33	4.22	21,795	22,377	21,132
Montana	5.12	4.34	4.62	239,616	125,057	157,920
New York [3]	(NA)	(NA)	2.90	(NA)	(NA)	1,346
North Carolina [3]	(NA)	(NA)	2.70	(NA)	(NA)	1,728
North Dakota	4.47	4.31	4.24	191,674	112,060	122,507
Oregon	2.66	2.99	3.28	5,703	7,044	4,272
Pennsylvania	2.85	3.10	2.90	8,123	9,765	6,029
South Dakota [3]	(NA)	(NA)	3.65	(NA)	(NA)	2,610
Utah	2.36	3.08	3.69	3,677	4,158	4,610
Virginia	2.80	2.60	2.60	2,251	2,088	1,638
Washington	2.89	3.09	4.40	20,695	13,920	19,564
Wisconsin [3]	(NA)	(NA)	4.00	(NA)	(NA)	1,800
Wyoming	5.54	4.70	4.72	43,611	30,202	23,750
United States	4.96	4.47	4.62	949,876	624,184	693,058

(NA) Not available. [1] Preliminary. [2] Alaska data previously included in a separate table for Alaska. [3] Estimates began in 2018. [4] Beginning in 2018, United States total includes data for Alaska.
NASS, Crops Branch, (202) 720–2127.

Table 1-58.—Barley: Support operations, United States, 2012–2018

Marketing year beginning June 1	Income support payment rates per bushel [1]	Program price levels per bushel		Put under loan		Acquired by CCC under loan program [5]	Owned by CCC at end of marketing year
		Loan [2]	Target/ reference [3]	Quantity	Percentage of production [4]		
	Dollars	*Dollars*	*Dollars*	*Million bushels*	*Percent*	*Million bushels*	*Million bushels*
2012/2013	0.24/0.00	1.95	2.63	3.1	1.4	0	0
2013/2014	0.24/0.00	1.95	2.63	4.2	1.9	0	0
2014/2015	0.00	1.95	4.95	3.9	2.1	0	0
2015/2016	0.00	1.95	4.95	8.3	3.8	0	0
2016/2017	0.00	1.95	4.95	9.3	4.6	0	0
2017/2018	0.50	1.95	4.95	4.5	3.1	0	0
2018/2019	0.33	1.95	4.95	5.1	3.3	0	0

[1] The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage payment rate. Agricultural Risk Coverage (ARC) is also available, but payment rates are established at the county or farm levels. [2] For 2009/2010-2013/2014, producers who participated in the ACRE program got a 30 percent reduction in their loan rate, not calculated in this table. [3] Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. [4] Percent of production is on a grain basis. [5] Acquisitions as of September 30, 2019.
FPAC-BC, Commodity Analysis Branch.

Table 1-59.—International Barley: Area, yield, and production in specified countries, 2016/2017–2018/2019

Country	Area			Yield per hectare			Production		
	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019
	1,000 hectares			*Metric tons*			*1,000 metric tons*		
European Union	12,308	12,092	12,382	4.86	4.86	4.52	59,866	58,805	55,968
Russia	7,955	7,714	7,784	2.21	2.62	2.15	17,547	20,211	16,737
Canada	2,266	2,114	2,400	3.90	3.73	3.50	8,839	7,891	8,400
Australia	4,834	4,124	4,000	2.79	2.24	2.08	13,506	9,254	8,300
Ukraine	3,045	2,652	2,569	3.24	3.28	2.96	9,874	8,695	7,604
Turkey	3,400	3,400	3,600	1.40	1.88	2.06	4,750	6,400	7,400
Argentina	870	935	1,200	3.79	4.00	3.75	3,300	3,740	4,500
Kazakhstan	1,893	2,069	2,516	1.71	1.60	1.58	3,231	3,305	3,971
United States	1,038	794	800	4.19	3.93	4.17	4,353	3,119	3,333
Morocco	1,208	1,893	1,597	0.51	1.30	1.82	620	2,466	2,910
Iran	1,760	1,600	1,550	2.12	1.94	1.81	3,724	3,100	2,800
Ethiopia	959	955	1,000	2.11	2.13	2.20	2,025	2,032	2,200
Algeria	900	763	1,026	1.11	1.27	1.90	1,000	968	1,950
China	429	430	450	4.08	4.19	4.11	1,752	1,800	1,850
India	589	656	662	2.45	2.67	2.69	1,440	1,750	1,780
Belarus	450	452	500	2.78	3.14	3.40	1,253	1,420	1,700
Mexico	330	358	353	2.96	2.81	2.82	978	1,005	996
Azerbaijan	355	319	320	2.62	2.56	2.72	929	815	870
Iraq	1,200	775	600	1.29	1.26	1.30	1,550	975	780
Uruguay	190	153	167	3.57	2.52	3.82	678	385	638

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-60.—Barley: International trade, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	1,000 metric tons		
Principle importing countries:			
Saudi Arabia	3,077	2,556	7,600
China	5,744	9,192	6,500
Iran	1,192	1,546	3,000
Japan	10,786	5,669	1,100
Libya	816	753	900
Jordan	65	103	850
Tunisia	4,241	2,949	650
Brazil	54	26	600
United Arab Emirates	.....	14	500
Kuwait	4,412	5,354	450
European Union	156	139	400
Algeria	30,543	28,301	350
Turkey	235	95	300
Colombia	30,778	28,396	250
Israel	65	103	250
Lebanon	4,241	2,949	150
Belarus	54	26	140
United States	.....	14	131
Vietnam	4,412	5,354	125
Uzbekistan	156	139	120
Peru	30,543	28,301	111
Morocco	235	95	100
Thailand	30,778	28,396	100
Principle exporting countries:			
European Union	5,667	5,899	5,000
Russia	2,951	5,884	4,800
Australia	9,190	5,725	4,600
Ukraine	5,354	4,289	3,800
Argentina	2,556	2,500	3,100
Canada	1,546	2,021	2,200
Kazakhstan	682	1,347	1,800
United States	95	111	109
Turkey	14	0	100
Uruguay	114	5	100
Serbia	26	53	85
Moldova	117	127	70
India	1	1	7
Belarus	16	0	0
Azerbaijan	7	0	0

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-61.—Grains and grain products: Food availability, United States, 2009–2018

Year [1]	Wheat			Rye		Rice (milled)	
	Total [2]	Per capita availability		Total [2]	Per capita availability of rye flour	Total [4]	Per capita availability
		Flour [3]	Non-milled product				
	Million bushels	*Pounds*	*Pounds*	*Million bushels*	*Pounds*	*Million cwt.*	*Pounds*
2009	920	134.7	2.3	3.3	0.5	62.6	20.4
2010	928	134.8	2.3	3.3	0.5	63.1	20.4
2011	925	132.5	2.3	3.3	0.5	(NA)	(NA)
2012	952	134.3	2.3	3.4	0.5	(NA)	(NA)
2013	945	135.0	2.3	3.4	0.5	(NA)	(NA)
2014	.....	134.7	.....	3.5	0.5	(NA)	(NA)
2015	.....	133.0	.....	3.6	0.5	(NA)	(NA)
2016	.....	131.7	.....	3.7	0.5	(NA)	(NA)
2017	.....	131.8	.....	3.8	0.5	(NA)	(NA)
2018	.....	132.1	.....	3.6	0.5	(NA)	(NA)

Year [1]	Corn					Oats		Barley	
	Total [5]	Per capita availability of food products				Total [6]	Per capita availability of food products	Total [7]	Per capita availability of food products [8]
		Flour and meal	Hominy and grits	Food Starch	Total				
	Million bushels	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Million bushels*	*Pounds*	*Million bushels*	*Pounds*
2009	986	19.3	9.3	4.4	33.0	66.2	4.7	6.9	0.7
2010	973	19.3	9.3	4.5	33.1	67.2	4.7	6.8	0.7
2011	989	19.9	9.6	4.6	34.1	68.8	4.8	6.8	0.7
2012	980	19.8	9.5	4.6	33.9	68.1	4.7	6.5	0.6
2013	958	19.8	9.5	4.6	33.9	66.2	4.5	7.5	0.7
2014	.....	19.9	9.5	4.6	34.0	66.4	4.5	7.7	0.7
2015	.....	19.9	9.5	4.6	34.0	68.0	4.6	8.0	0.8
2016	.....	20.0	9.5	4.7	34.2	69.0	4.6	9.0	0.8
2017	.....	21.0	9.5	4.7	35.2	72.0	4.8	9.5	0.9
2018	.....	21.0	9.5	4.7	35.2	72.5	4.8	9.7	0.9

Estimates of corn syrup and sugar are unofficial estimates; industry data were not reported after April 1968.

Annual data and per capita estimates for rice are unavailable beyond 2010 due to a large and unexplained decline in the implied total domestic and residual use estimate.

(NA) Not available. [1] Data are in marketing year; for corn, September 1-August 31; for oats and barley, June 1-May 31; and rice, August 1-July 31. Wheat, rye, syrup, and sugar are in calendar year. [2] Excludes quantities used in alcoholic beverages. [3] Includes white, whole wheat, and semolina flour. [4] Does not include shipments to U.S. territories. Excludes rice used in alcoholic beverages. Includes imports and rice used in processed foods and pet foods. [5] Includes an allowance for the quantity used as hominy and grits. This series is not adjusted for trade. [6] Oats used in oatmeal, prepared breakfast foods, infant foods, and food products. [7] Malt for food, breakfast food uses, pearl barley, and flour. [8] Malt equivalent of barley food products.

ERS, Market & Trade Economics Division, (202) 694-5290. All figures are estimates based on data from private industry sources, the U.S. Department of Commerce, the Internal Revenue Service, and other Government agencies.

Table 1-62.—Sorghum: Area, yield, production, and value, United States, 2009–2018

Year	Area planted for all purposes [1]	Sorghum for grain [2]					Sorghum for silage		
		Area harvested	Yield per harvested acre	Production	Marketing year average price per cwt [3]	Value of production [3]	Area harvested	Yield per harvested acre	Production
	1,000 acres	*1,000 acres*	*Bushels*	*1,000 bushels*	*Dollars*	*1,000 dollars*	*1,000 acres*	*Tons*	*1,000 tons*
2009 ..	6,599	5,502	69.4	381,605	5.75	1,202,331	255	14.5	3,693
2010 ..	5,369	4,806	71.9	345,464	8.96	1,616,773	272	12.5	3,412
2011 ..	5,451	3,945	54.0	212,993	10.70	1,259,635	226	10.4	2,353
2012 ..	6,259	4,995	49.6	247,742	11.30	1,606,237	353	11.9	4,196
2013 ..	8,076	6,585	59.6	392,331	7.64	1,716,927	380	14.3	5,420
2014 ..	7,138	6,401	67.6	432,575	7.20	1,721,330	315	13.1	4,123
2015 ..	8,459	7,851	76.0	596,751	5.91	2,064,638	306	14.6	4,475
2016 ..	6,690	6,163	77.9	480,261	4.98	1,352,438	298	14.0	4,171
2017 ..	5,629	5,044	71.7	361,871	5.75	1,168,526	282	13.4	3,772
2018 ..	5,690	5,061	72.1	364,986	5.90	1,212,237	264	12.6	3,326

[1] Grain and sweet sorghum for all uses, including syrup. [2] Includes both grain sorghum for grain, and sweet sorghum for grain or seed. [3] Based on the reported price of grain sorghum.
NASS, Crops Branch, (202) 720–2127.

Table 1-63.—Sorghum grain: Stocks on and off farms, United States, 2009–2018

Year beginning previous Dec.	On farms				Off farms [1]			
	Dec. 1	Mar. 1	Jun. 1	Sep. 1	Dec. 1	Mar. 1	Jun. 1	Sep. 1
	1,000 bushels	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*
2009	54,400	32,200	12,000	4,400	243,290	173,650	90,215	50,312
2010	48,000	23,680	10,700	4,500	202,759	151,873	77,162	36,740
2011	30,500	13,020	3,140	2,030	207,168	158,027	76,894	25,420
2012	27,850	12,800	4,120	1,160	123,101	95,266	54,405	21,792
2013	17,600	10,850	2,710	602	122,247	80,685	38,398	14,551
2014	32,950	15,950	4,500	1,945	198,466	159,784	87,924	32,087
2015	30,500	9,000	2,960	1,895	192,094	110,856	31,329	16,514
2016	51,500	25,000	9,700	3,755	271,035	176,584	80,654	32,877
2017	43,000	21,250	8,620	4,280	266,079	159,495	76,088	29,179
2018 [2]	33,800	13,250	5,220	3,355	193,692	127,006	60,113	31,499

[1] Includes stocks at mills, elevators, warehouses, terminals, and processors. [2] Preliminary.
NASS, Crops Branch, (202) 720–2127.

Table 1-64.—Sorghum: Supply and disappearance, United States, 2009–2018

Year beginning September 1	Supply			Disappearance					Ending stocks Aug. 31 [1]
	Beginning stocks	Production	Total	Domestic use			Exports	Total disappearance	
				Food, alcohol, and industrial	Seed	Feed and residual			
	Million bushels								
2009	55	382	436	89	1	141	164	395	41
2010	41	345	387	84	1	123	152	359	27
2011	27	213	241	84	1	69	63	218	23
2012	23	248	280	94	1	93	76	265	15
2013	15	392	408	69	1	93	211	374	34
2014	34	433	467	14	1	82	352	449	18
2015	18	597	620	136	1	104	342	583	37
2016	37	480	519	114	1	133	238	485	33
2017	33	362	397	60	1	102	200	362	35
2018	35	365	400	99	1	155	85	340	60

[1] Includes quantity under loan and farmer–owned reserve.
Latest data may be preliminary or projected. Totals may not add due to independent rounding.
ERS, Market and Trade Economics Division, (202) 694–5313. Source: USDA, World Agricultural Outlook Board, World Agricultural Supply and Demand Estimates and supporting materials.l

Table 1-65.—Sorghum: Area, yield, and production, by State and United States, 2016–2018

State	Area planted for all purposes			Sorghum for grain		
				Area harvested		
	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*
Arkansas	47	9	12	44	7	10
Colorado	450	410	355	415	360	325
Georgia	20	21	25	10	12	15
Illinois	18	17	18	16	15	16
Kansas	3,100	2,600	2,800	2,950	2,450	2,650
Louisiana	52	15	8	46	13	6
Mississippi	13	5	4	11	4	3
Missouri	65	30	30	54	23	21
Nebraska	200	180	230	175	130	170
New Mexico	110	85	80	85	48	47
North Carolina	45	22	18	37	17	8
Oklahoma	400	315	300	370	295	240
South Dakota	270	270	260	200	170	200
Texas	1,900	1,650	1,550	1,750	1,500	1,350
United States	6,690	5,629	5,690	6,163	5,044	5,061

State	Yield per harvested acre			Production		
	2016	2017	2018	2016	2017	2018
	Bushels	*Bushels*	*Bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*
Arkansas	73.0	78.0	77.0	3,212	546	770
Colorado	50.0	52.0	53.0	20,750	18,720	17,225
Georgia	54.0	54.0	53.0	540	648	795
Illinois	93.0	83.0	111.0	1,488	1,245	1,776
Kansas	91.0	82.0	88.0	268,450	200,900	233,200
Louisiana	102.0	91.0	84.0	4,692	1,183	504
Mississippi	89.0	72.0	90.0	979	288	270
Missouri	95.0	107.0	100.0	5,130	2,461	2,100
Nebraska	102.0	89.0	94.0	17,850	11,570	15,980
New Mexico	41.0	35.0	38.0	3,485	1,680	1,786
North Carolina	55.0	55.0	60.0	2,035	935	480
Oklahoma	55.0	53.0	50.0	20,350	15,635	12,000
South Dakota	79.0	68.0	80.0	15,800	11,560	16,000
Texas	66.0	63.0	46.0	115,500	94,500	62,100
United States	77.9	71.7	72.1	480,261	361,871	364,986

NASS, Crops Branch, (202) 720–2127.

Table 1-66.—Sorghum silage: Area harvested, yield, and production, by State and United States, 2016–2018

State	Silage								
	Area harvested			Yield per acre			Production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*Tons*	*Tons*	*Tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*
Arkansas	1	1	1	18.0	16.0	18.0	18	16	18
Colorado	10	25	8	9.0	15.0	14.0	90	375	112
Georgia	8	8	8	10.0	13.0	11.0	80	104	88
Illinois	1	1	1	17.0	12.0	14.0	17	12	14
Kansas	95	85	60	15.5	13.0	15.0	1,473	1,105	900
Louisiana	1	1	1	13.0	12.0	12.0	13	12	12
Mississippi	1	1	1	10.0	8.0	10.0	10	8	10
Missouri	9	5	7	17.0	19.0	12.0	153	95	84
Nebraska	10	20	20	14.0	11.0	11.0	140	220	220
New Mexico	18	17	18	13.0	11.0	11.0	234	187	198
North Carolina	4	4	7	10.0	10.0	10.0	40	40	70
Oklahoma	15	12	12	10.0	18.0	5.0	150	216	60
South Dakota	40	37	40	13.0	11.0	12.5	520	407	500
Texas	85	65	80	14.5	15.0	13.0	1,232	975	1,040
United States	298	282	264	14.0	13.4	12.6	4,171	3,772	3,326

NASS, Crops Branch, (202) 720–2127.

Table 1-67.—Sorghum grain: Marketing year average price and value of production, by State and United States, 2016–2018

State	Marketing year average price per cwt			Value of production		
	2016	2017	2018 [1]	2016	2017	2018 [1]
	Dollars	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Arkansas	5.00	5.66	6.70	8,994	1,731	2,889
Colorado	4.30	5.45	5.50	49,966	57,133	53,053
Georgia	6.37	7.96	7.35	1,926	2,889	3,272
Illinois	5.41	6.37	5.60	4,508	4,441	5,570
Kansas	4.67	5.58	5.75	702,050	627,772	750,904
Louisiana	6.04	6.19	6.15	15,870	4,101	1,736
Mississippi	5.87	5.72	5.50	3,218	923	832
Missouri	5.20	5.60	6.20	14,939	7,718	7,291
Nebraska	4.89	5.15	5.60	48,880	33,368	50,113
New Mexico	5.57	6.12	6.65	10,870	5,758	6,651
North Carolina	6.50	6.50	6.60	7,407	3,403	1,774
Oklahoma	4.82	5.64	6.05	54,929	49,382	40,656
South Dakota	5.05	5.64	5.50	44,682	36,511	49,280
Texas	5.94	6.30	6.85	384,199	333,396	238,216
United States	4.98	5.75	5.90	1,352,438	1,168,526	1,212,237

[1] Preliminary.
NASS, Crops Branch, (202) 720–2127.

Table 1-68.—Sorghum grain: Support operations, United States, 2012–2018

Marketing year beginning September 1	Income support payment rates per cwt [1]	Program price levels per cwt		Put under support		Acquired by CCC under loan program [5]	Owned by CCC at end of marketing year
		Loan [2]	Target/ reference [3]	Quantity	Percentage of production [4]		
	Dollars	*Dollars*	*Dollars*	*Million cwt*	*Percent*	*Millions cwt*	*Million cwt*
2012/2013	0.63/0.00	3.48	4.70	0.2	0.1	0	0
2013/2014	0.63/0.00	3.48	4.70	0.3	0.1	0	0
2014/2015	0.00	3.48	3.95	0.4	0.2	0	0
2015/2016	0.64	3.48	3.95	1.4	0.4	0	0
2016/2017	1.16	3.48	3.95	1.9	0.7	0	0
2017/2018	0.73	3.48	3.95	1.3	0.6	0	0
2018/2019	1.25	3.48	3.95	1.2	0.6	0	0

[1] The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage (PLC) payment rate. For 2017/2018, projected PLC payment rate is based on March 2018 WASDE MY price. Agricultural Risk Coverage (ARC) is also available, but payment rates are established at the county or farm levels. [2] For 2009/2010-2013/2014, producers who participate in the ACRE program get a 30 percent reduction in their loan rate, not calculated in this table. [3] Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. [4] Percent of production is on a grain basis. [5] Acquisitions as of September 30, 2019.
FPAC-BC, Commodity Analysis Branch.

Table 1-69.—International Sorghum: Area, yield, and production in specified countries, 2016/2017–2018/2019

Country	Area			Yield per hectare			Production		
	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019
	1,000 hectares			*Metric tons*			*1,000 metric tons*		
United States	2,494	2,041	2,048	4.89	4.50	4.53	12,199	9,192	9,271
Nigeria	6,651	5,820	5,800	1.14	1.19	1.17	7,556	6,939	6,800
Ethiopia	1,882	1,840	1,840	2.53	2.62	2.72	4,752	4,816	5,000
Mexico	1,465	1,350	1,350	3.17	3.37	3.48	4,638	4,545	4,700
Sudan	9,158	6,298	7,000	0.71	0.59	0.64	6,466	3,743	4,500
India	5,624	4,967	4,014	0.81	0.97	0.92	4,568	4,800	3,700
China	625	675	720	4.78	4.74	4.79	2,985	3,200	3,450
Argentina	700	700	630	4.86	4.29	3.97	3,400	3,000	2,500
Brazil	629	782	737	2.97	2.73	2.92	1,865	2,136	2,150
Niger	3,605	3,821	3,700	0.50	0.51	0.57	1,808	1,945	2,100
Burkina	1,734	1,667	1,800	0.96	0.82	1.07	1,663	1,366	1,930
Mali	1,560	1,386	1,500	0.89	1.03	0.98	1,394	1,424	1,470
Cameroon	856	852	850	1.56	1.59	1.65	1,339	1,352	1,400
Australia	368	462	540	2.70	2.72	2.41	994	1,257	1,300
Chad	1,191	1,147	1,100	0.83	0.83	0.90	991	946	988
Tanzania	775	783	800	0.98	1.02	1.00	760	797	800
Bolivia	200	300	285	2.50	2.50	2.74	500	750	780
Egypt	140	140	140	5.36	5.36	5.36	750	750	750
European Union	116	124	129	5.45	5.42	5.68	632	672	733
South Sudan	447	600	600	1.59	1.11	1.17	712	667	700

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-70.—Sorghum: International trade, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	1,000 metric tons		
Principle exporting countries:			
United States	6,041	5,211	2,159
Australia	280	456	500
Argentina	563	2	150
Ukraine	164	123	120
Nigeria	100	100	100
Ethiopia	75	75	75
China	34	43	50
Kenya	81	130	50
Brazil	1	1	40
India	23	140	25
Bolivia	4	21	20
Paraguay	1	5	15
South Africa	9	6	10
Burkina	5	5	5
European Union	2	2	5
Sudan	150	100	5
Tanzania	5	5	5
Thailand	5	5	5
Uganda	5	5	5
Principle importing countries:			
European Union	168	420	800
China	5,209	4,436	700
Japan	561	594	600
Mexico	548	98	500
Sudan	120	150	200
Kenya	132	119	150
South Sudan	36	148	150
Chile	49	65	100
Somalia	60	80	100
Taiwan	48	64	60
Colombia	0	56	50
Israel	21	29	40
Philippines	20	21	40
Uganda	40	35	40
Eritrea	0	30	35
South Africa	0	48	30
Botswana	7	10	25
Cameroon	30	15	25
Chad	25	25	25
Niger	25	25	25

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-71.—International Mixed grain: Area, yield, and production in specified countries, 2016/2017–2018/2019

Country	Area			Yield per hectare			Production		
	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019
	1,000 hectares			*Metric tons*			*1,000 metric tons*		
Bangladesh	35	35	35	0.71	0.71	0.71	25	25	25
Canada	78	66	90	2.92	2.76	2.83	228	182	255
European Union	4,016	3,894	3,890	3.73	3.93	3.38	14,963	15,316	13,144
Switzerland	10	10	10	6.00	6.00	6.00	60	60	60
Turkey	1	1	1	1.00	1.00	1.00	1	1	1

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-72.—Commercial feeds: Disappearance for feed, United States, 2009–2018

Year beginning October	Oilseed cake and meal						
	Soybean	Cottonseed	Linseed	Peanut [1]	Sunflower	Canola	Total
	1,000 Short tons						
2009	30,640	767	210	91	415	1,984	33,109
2010	30,301	1,079	208	112	281	2,968	33,354
2011	31,552	982	194	109	197	3,753	34,491
2012	28,999	1,012	199	123	241	4,260	31,913
2013	29,514	811	153	130	268	4,750	31,862
2014	32,277	794	212	141	224	4,891	35,038
2015	33,118	638	196	144	288	4,975	35,520
2016	33,420	687	190	177	293	5,011	41,290
2017	36,971	708	166	.....	261	4,616	.....
2018	35,952	750	173	.....	270	4,842	.....

Year beginning October	Animal protein				Mill products [3]					Total commercial feeds
	Tankage and meat meal	Fish meal	Dried milk [2]	Total	Wheat millfeeds	Gluten feed and meal [4]	Rice millfeeds	Alfalfa meal	Total	
	1,000 Short tons									
2007	2,367	197	356	2,920	6,863	4,560	580	225	12,228	54,148
2008	2,302	182	364	2,848	6,514	5,166	547	225	12,453	51,065
2009	2,260	178	338	2,775	6,445	5,203	574	225	12,447	50,316
2010	2,027	298	436	2,762	6,204	5,034	608	225	12,070	51,156
2011	(NA)	198	463	2,857	6,404	5,772	535	225	12,936	54,038
2012	(NA)	198	368	2,728	6,345	5,707	531	225	12,808	51,709
2013	(NA)	198	219	2,545	6,345	5,651	447	225	12,669	51,827
2014	(NA)	198	248	2,608	6,603	5,837	845	225	13,510	56,048
2015	2,594	198	248	3,041	6,513	5,921	235	225	12,894	56,434
2016	2,933	198	248	3,379	9,101	5,864	579	225	15,768	60,438

[1] Year beginning August 1. [2] Includes dried skim milk, and whey for feed, but does not include any milk products fed on farms. [3] Other mill products that are not listed include screenings, hominy, and oats feed etc., for which no statistics are available. [4] Adjusted for export data.

ERS, Market and Trade Economics Division, (202) 694–5313.

Table 1-73.—High-protein feeds: Quantity for feeding, high-protein animal units, quantity per animal unit, and prices, United States, 2007–2016

Year beginning October	Quantity for feeding [1]						High-protein animal units	Quantity per animal unit	High protein feed prices
	Oilseed meal			Animal protein	Grain protein [3]	Total			
	Soybean meal	Other oilseed meals [2]	Total						
	1,000 tons	*1,000 tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*	*Million units*	*Pounds*	*Index numbers 1992=100*
2007	36,555	2,945	39,500	3,207	2,715	45,422	71	1,271	173
2008	33,827	2,282	36,109	3,113	3,076	42,298	71	1,193	171
2009	33,703	2,262	35,965	3,049	3,098	42,112	70	1,195	153
2010	33,331	2,814	36,145	2,950	2,998	42,093	69	1,214	177
2011	34,695	2,721	37,416	3,037	3,437	43,890	68	1,290	203
2012	31,899	2,689	34,587	2,965	3,398	40,951	68	1,212	239
2013	32,466	2,166	34,632	2,879	3,365	40,877	67	1,225	250
2014	35,506	2,546	38,052	2,929	3,476	44,456	67	1,319	191
2015	36,430	2,211	38,641	3,450	3,526	45,616	69	1,313	166
2016	36,630	2,686	39,316	3,858	3,492	46,665	71	1,316	159

Latest data may be preliminary or projected. [1] In terms of 44 percent protein soybean meal equivalent. [2] Includes cottonseed, linseed, peanut meal, and sunflower meal. [3] Beginning 1974, adjusted for exports of corn gluten feed and meal.
ERS, Market and Trade Economics Division, (202) 694–5313.

Table 1-74.—Feed concentrates: Fed to livestock and poultry, 2007–2016

Year beginning October	Feed grains				Wheat [2]	Rye [2]	By-product feeds [3]	Total concentrates	Grain consuming animal units	Concentrates fed per grain consuming animal unit
	Corn [1]	Sorghum [1]	Oats [2] and barley [2]	Total						
	Million tons	*Million tons*	*Million tons*	*Million tons*	*Million tons*	*Million tons*	*Million tons*	*Million tons*	*Millions*	*Tons*
2007	163.9	4.6	3.2	171.7	4.9	0.1	62.0	238.8	92.7	2.58
2008	143.6	6.6	3.2	153.4	3.4	0.1	58.2	215.1	91.7	2.35
2009	142.7	3.9	3.0	149.6	3.2	0.1	57.3	210.1	92.4	2.27
2010	133.6	3.4	2.7	139.7	2.1	0.1	57.7	196.6	92.9	2.15
2011	126.3	1.9	3.0	131.3	10.8	0.1	57.7	202.9	93.1	2.18
2012	120.6	2.6	3.6	126.9	11.6	0.1	57.6	196.7	92.3	2.13
2013	140.1	2.6	3.1	145.7	1.8	0.1	57.7	206.3	90.5	2.28
2014	148.0	2.3	2.5	152.8	4.7	0.1	63.3	220.9	92.4	2.39
2015	143.2	3.0	2.7	148.9	3.5	0.1	63.6	216.1	94.2	2.29
2016	153.0	3.6	2.4	159.0	2.2	0.1	68.0	229.3	95.8	2.39

Latest data may be preliminary or projected. [1] Marketing year beginning Sept. 1. [2] Marketing year beginning June 1. [3] Oilseed meals, animal protein feeds, mill byproducts, and mineral supplements.
ERS, Market and Trade Economics Division, (202) 694–5313.

Table 1-75.—Feed: Consumed per head and per unit of production, by class of livestock or poultry, with quantity expressed in equivalent feeding value of corn, 2007–2016

Year beginning October	Dairy cattle			Beef cattle				Sheep and lambs	
	Milk cows		Other dairy cattle per head	Cattle on feed per head Jan. 1 [1]	Other beef cattle per head	All beef cattle per head	Cattle and calves per 100 pounds produced [2]	Per head	Per 100 pounds produced [3]
	Per head	Per 100 pounds milk produced							
	Pounds	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*
2007	12,949	65	6,526	9,114	5,307	5,993	1,261	1,271	1,718
2008	12,265	60	6,473	8,854	5,283	5,895	1,214	1,263	1,741
2009	12,303	59	6,425	8,942	5,269	5,896	1,227	1,260	1,680
2010	12,013	57	6,378	8,403	5,253	5,815	1,183	1,254	1,695
2011	12,030	57	6,369	8,056	5,263	5,782	1,145	1,261	1,669
2012	11,918	57	6,364	7,830	5,255	5,717	1,137	1,261	1,659
2013	12,143	56	6,434	8,677	5,314	5,891	1,143	1,269	1,631
2014	12,345	56	6,453	8,912	5,292	5,919	1,183	1,265	1,649
2015	12,224	55	6,399	8,577	5,280	5,838	1,173	1,260	1,649
2016	12,408	55	6,905	9,398	5,282	5,958	1,180	1,265	1,624

Year beginning October	Poultry								Hogs per 100 pounds produced	Horses and mules two years and over per head
	Hens and pullets		Chickens raised		Broilers produced		Turkeys raised			
	Per head Jan. 1	Per 100 eggs	Per head	Per 100 pounds live weight	Per head	Per 100 pounds produced	Per head	Per 100 pounds produced		
	Pounds	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*
2007	136	47	28	1,045	11	197	86	313	574	3,832
2008	126	44	27	1,017	10	175	84	270	496	3,735
2009	119	43	26	1,077	10	180	85	293	487	3,707
2010	113	40	24	1,037	9	162	82	285	487	3,650
2011	119	42	25	1,019	10	163	79	272	486	3,663
2012	117	41	25	1,049	9	160	78	252	447	3,641
2013	119	40	26	1,156	9	165	82	255	471	3,674
2014	115	41	30	1,321	10	173	89	287	516	3,723
2015	106	43	28	1,255	10	164	85	290	483	3,695
2016	115	43	28	1,316	10	170	87	284	498	3,728

[1] Feed consumed by all cattle divided by the number on feed Jan. 1. [2] Feed for all cattle, except milk cows, divided by the net live-weight production of cattle and calves. It includes the growth on dairy heifers and calves as well as all beef cattle. [3] Including wool produced.

ERS, Market and Trade Economics Division, (202) 694–5313.

Table 1-76.—Feed: Consumed by livestock and poultry, by type of feed, with quantity expressed in equivalent feeding value of corn, 2007–2016

Year beginning October	Concentrates	Harvested roughage	Pasture	Total
	Million tons	*Million tons*	*Million tons*	*Million tons*
2007	239	80	163	482
2008	215	83	158	456
2009	210	83	156	450
2010	200	81	155	435
2011	203	76	155	434
2012	197	75	155	427
2013	206	78	149	433
2014	221	82	148	450
2015	216	81	155	452
2016	229	81	160	470

Latest data may be preliminary or projected.

ERS, Market and Trade Economics Division, (202) 694–5313.

Table 1-77.—Animal units fed: Grain-consuming, roughage-consuming, and grain-and-roughage-consuming, United States, 2007–2016 [1]

Year beginning October	Grain-consuming [2]	Roughage-consuming [3]	Grain and roughage-consuming [4]
	1,000 units	*1,000 units*	*1,000 units*
2007	95,118	71,479	80,042
2008	92,702	70,887	78,782
2009	91,687	70,452	78,111
2010	92,411	69,352	77,720
2011	93,104	68,023	77,192
2012	92,311	67,593	76,617
2013	90,502	66,758	75,347
2014	92,433	67,413	76,532
2015	94,187	69,498	85,126
2016	95,771	70,917	80,814

Latest data may be preliminary or projected. [1] Index series based on average feeding rates for years 1969–71. In calculations for the feeding years 1969 to date, cattle numbers used are the new categories shown in the Livestock and Poultry Inventory, published by NASS, USDA. [2] Livestock and poultry numbers weighted by all concentrates consumed. [3] Livestock and poultry numbers weighted by all roughage (including pasture) consumed. [4] Livestock and poultry numbers weighted by all feed (including pasture) fed to livestock.
ERS, Market and Trade Economics Division, (202) 694–5313.

Table 1-78.—Feed grains: Average price, selected markets and grades, 2009–2018 [1]

Calendar year	Kansas City			Minneapolis		
	Corn, No. 2 Yellow (truck)	Corn, No. 2 White (rail)	Sorghum, No. 2 Yellow (truck)	Corn, No. 2 Yellow	Barley, No. 3 or Better malting	Oats, No. 2 White
	Dollars per bushel	*Dollars per bushel*	*Dollars per cwt.*	*Dollars per bushel*	*Dollars per bushel*	*Dollars per bushel*
2009	3.60	3.90	5.57	3.46	4.26	2.21
2010	4.08	4.27	6.94	3.65	4.70	2.74
2011	6.81	7.11	11.73	6.58	6.96	3.72
2012	7.17	7.29	11.81	6.87	7.06	3.67
2013	6.28	6.35	10.40	5.97	6.35	3.90
2014	4.07	4.30	7.30	3.83	6.23	4.02
2015	3.76	3.82	6.97	3.45	6.23	2.84
2016	3.49	3.93	5.59	3.18	(NA)	2.57
2017	3.43	3.62	5.61	3.19	4.70	3.43
2018	3.57	3.73	5.87	3.21	2.74	2.96

Calendar year	Omaha: Corn, No. 2 Yellow (truck)	Chicago: Corn, No. 2 Yellow	Texas High Plains: Sorghum, No. 2 Yellow	Memphis Corn, No. 2 Yellow	St. Louis: Corn, No. 2 Yellow (truck)
	Dollars per bushel	*Dollars per bushel*	*Dollars per cwt*	*Dollars per bushel*	*Dollars per cwt*
2009	3.56	3.76	6.52	3.69	3.78
2010	4.03	4.16	7.81	4.25	4.26
2011	6.72	6.78	12.64	6.85	7.08
2012	7.06	6.86	13.15	6.95	7.08
2013	6.23	5.81	10.51	6.07	6.25
2014	3.99	4.03	7.26	4.33	4.84
2015	3.66	3.68	6.72	3.87	3.87
2016	3.34	3.61	5.53	3.67	3.70
2017	3.29	3.44	5.85	(NA)	3.62
2018	3.49	3.50	5.85	(NA)	3.73

[1] Simple average of daily prices.
AMS, Livestock and Grain Market News Branch, (202) 720–6231.

Table 1-79.—Feedstuffs: Average price per ton bulk, in wholesale lots, at leading markets, 2009–2018

Year beginning October	Soybean meal	Cottonseed meal		Linseed meal	Meat meal	Fish meal	Wheat bran	Wheat middlings
	48% protein	41% protein	41% protein	34% protein	50% protein	60% protein	Kansas City	Minneapolis
	Decatur	Kansas City	Memphis	Min-neapolis	Kansas City	Gulf Coast		
	Dollars per ton	*Dollars per ton*	*Dollars per ton*	*Dollars per ton*	*Dollars per ton*	*Dollars per ton*	*Dollars per ton*	*Dollars per ton*
2009	347.73	293.25	265.21	231.77	334.69	861.06	90.17	89.12
2010	313.47	249.72	212.57	210.80	299.05	1,265.78	94.62	94.44
2011	333.73	310.43	275.43	242.60	342.84	1,198.89	176.20	172.74
2012	439.77	336.79	303.37	282.67	391.49	1,168.09	175.06	192.91
2013	464.61	430.80	333.42	(NA)	467.00	(NA)	129.57	182.40
2014	478.26	410.64	369.30	(NA)	456.61	1,466.28	119.45	117.43
2015	341.20	333.31	291.97	(NA)	328.33	1,531.77	98.42	93.66
2016	328.64	290.99	247.63	(NA)	275.20	1,386.72	75.10	73.51
2017	307.57	246.30	209.00	(NA)	254.17	1,291.67	75.47	69.59
2018	334.68	307.24	264.85	(NA)	270.39	(NA)	141.88	(NA)

Year beginning October	Wheat shorts or middlings	Wheat millrun	Gluten feed	Hominy feed	Distillers' dried grains	Alfalfa meal	
			21% protein			Dehydrated, 17% protein	Sun-cured
	Kansas City	Portland	Illinois Points	Midwest	Lawrenceburg	Kansas City	Kansas City
	Dollars per ton	*Dollars per ton*	*Dollars per ton*	*Dollars per ton*	*Dollars per ton*	*Dollars per ton*	*Dollars per ton*
2009	90.24	120.48	.....	100.53	114.23	224.93	189.19
2010	94.62	124.06	.....	115.61	122.77	210.36	178.16
2011	176.20	187.71	.....	206.85	202.42	254.72	243.29
2012	174.78	219.71	.....	.....	200.00	347.23	.....
2013	129.99	228.57	166.35	202.42	236.07	339.28	275.70
2014	119.41	191.60	165.00	124.84	172.22	324.74	267.10
2015	98.42	170.20	98.28	103.53	164.40	283.53	206.99
2016	75.10	144.76	90.72	92.12	148.60	253.90	185.82
2017	74.08	131.65	(NA)	95.20	(NA)	227.37	190.02
2018	102.72	143.33	(NA)	(NA)	80.00	247.07	231.43

(NA) Not available.
AMS, Livestock and Grain Market News Branch, (202) 720–6231.

Table 1-80.—International Millet: Area, yield, and production in specified countries, 2016/2017–2018/2019

Country	Area			Yield per hectare			Production		
	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019
	1,000 hectares			*Metric tons*			*1,000 metric tons*		
India	9,094	9,107	8,140	1.27	1.28	1.24	11,560	11,640	10,070
Niger	7,230	6,999	7,000	0.54	0.54	0.55	3,886	3,790	3,847
China	857	870	870	2.67	2.53	2.53	2,288	2,200	2,200
Nigeria	1,827	2,212	2,000	0.85	0.68	1.06	1,553	1,500	2,119
Sudan	3,007	2,620	3,000	0.48	0.36	0.67	1,449	954	2,000
Mali	2,040	2,156	2,000	0.89	0.69	0.92	1,807	1,493	1,840
Burkina	1,187	1,223	1,200	0.76	0.68	0.99	905	828	1,189
Ethiopia	456	464	450	2.23	2.32	2.22	1,017	1,078	1,000
Senegal	858	850	850	0.76	1.03	1.06	651	875	897
Chad	1,225	1,165	1,100	0.59	0.57	0.69	726	660	756
Tanzania	338	333	350	0.93	0.96	1.00	313	318	350
Pakistan	469	489	476	0.65	0.69	0.65	305	335	307
Nepal	260	260	260	0.96	0.96	0.96	250	250	250
Uganda	168	151	175	1.39	1.42	1.40	234	214	245
Burma	240	240	240	1.00	1.00	1.00	240	240	240

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 1-81.—Proso millet: Area, yield, production, and value, United States, 2009–2018

Year	Area		Yield per harvested acre	Production	Marketing year average price per bushel received by farmers	Value of production
	Planted	Harvested				
	1,000 acres	*1,000 acres*	*Bushels*	*1,000 dollars*	*Dollars*	*1,000 dollars*
2009	350	265	33.5	8,875	2.87	25,460
2010	390	363	31.8	11,535	4.54	52,419
2011	370	338	27.1	9,149	6.01	54,974
2012	335	205	15.0	3,075	15.10	46,548
2013	720	638	28.9	18,436	4.61	84,915
2014	505	430	31.4	13,483	3.35	45,104
2015	445	418	33.9	14,159	2.93	41,547
2016	443	413	30.4	12,558	2.87	36,065
2017	478	403	36.9	14,889	3.32	49,444
2018	443	403	29.8	11,991	4.64	55,648

NASS, Crops Branch, (202) 720–2127.

Table 1-82.—Proso millet: Area, yield, and production, by State and United States, 2016–2018

State	Area planted			Area harvested		
	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*
Colorado	300	320	300	285	290	275
Nebraska	95	105	95	88	86	89
South Dakota	48	53	48	40	27	39
United States	443	478	443	413	403	403

State	Yield per acre			Production		
	2016	2017	2018	2016	2017	2018
	Bushels	*Bushels*	*Bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*
Colorado	27.5	38.5	28.0	7,838	11,165	7,700
Nebraska	35.0	32.0	32.0	3,080	2,752	2,848
South Dakota	41.0	36.0	37.0	1,640	972	1,443
United States	30.4	36.9	29.8	12,558	14,889	11,991

NASS, Crops Branch, (202) 720–2127.

Table 1-83.—Proso millet: Marketing year average price and value, by State and United States, 2016–2018

State	Marketing year average price per bushel			Value of production		
	2016	2017	2018	2016	2017	2018
	Dollars	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Colorado	2.85	3.32	4.85	22,338	37,068	37,345
Nebraska	2.87	3.13	4.40	8,840	8,614	12,531
South Dakota	2.98	3.87	4.00	4,887	3,762	5,772
United States	2.87	3.32	4.64	36,065	49,444	55,648

NASS, Crops Branch, (202) 720–2127.

CHAPTER II

STATISTICS OF COTTON, TOBACCO, SUGAR CROPS, AND HONEY

In addition to tables on cotton, tobacco, sugar, and honey, this chapter includes tables on fibers other than cotton and syrups. Cottonseed data, however, are in the following chapter on oilseeds, fats, and oils.

Table 2-1.—Cotton: Area, yield, production, market year average price, and value, United States, 2008–2018

Year	Area		Yield per harvested acre	Production	Marketing year average price per pound received by farmers [2]	Value of production [2]
	Planted	Harvested				
	1,000 acres	*1,000 acres*	*Pounds*	*1,000 bales [1]*	*Dollars*	*1,000 dollars*
2008	9,471.0	7,568.7	813	12,825.4	0.491	3,023,632
2009	9,149.5	7,533.7	776	12,183.0	0.648	3,786,674
2010	10,974.2	10,698.7	812	18,101.8	0.846	7,346,868
2011	14,735.4	9,460.9	790	15,573.2	0.935	6,985,976
2012	12,264.4	9,321.8	892	17,313.8	0.757	6,291,813
2013	10,407.0	7,359.4	822	12,909.2	0.838	5,191,505
2014	11,148.4	9,351.8	838	16,319.4	0.657	5,147,241
2015	8,580.5	8,074.9	766	12,888.0	0.645	3,988,978
2016	10,073.5	9,507.8	867	17,169.9	0.705	5,813,774
2017	12,717.5	11,100.4	905	20,922.5	0.719	7,222,535
2018	14,099.0	10,530.5	838	18,390.0	0.760	6,712,086

[1] Value based on 480-pound net weight bale. [2] Based on marketings and monthly prices received from August1, 2017 - December 31, 2017.
NASS, Crops Branch, (202) 720–2127.

Table 2-2.—Cotton: Marketing year average price per pound, and value, by State and United States, 2016–2018

State	Marketing year average price per pound			Value of production [1]		
	2016	2017	2018 [2]	2016	2017	2018 [2]
	Dollars	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Upland:						
Alabama	0.710	0.729	0.744	240,605	282,735	307,123
Arizona	(D)	0.727	(D)	(D)	169,246	(D)
Arkansas	0.685	0.710	0.703	276,192	366,019	388,056
California	(D)	(D)	(D)	(D)	(D)	(D)
Florida	0.678	0.729	0.782	63,786	54,238	45,043
Georgia	0.720	0.750	0.786	753,408	801,000	735,696
Kansas	0.690	(D)	(D)	23,515	(D)	(D)
Louisiana	0.698	0.715	0.750	89,791	138,653	147,600
Mississippi	0.709	0.738	0.739	367,886	478,578	507,250
Missouri	0.691	0.747	0.694	187,731	268,920	278,155
New Mexico	0.618	0.507	0.717	26,104	27,500	37,858
North Carolina	0.658	0.709	0.759	108,333	252,177	255,024
Oklahoma	0.681	0.712	0.723	201,685	348,595	260,280
South Carolina	0.642	0.726	0.745	77,040	164,134	157,344
Tennessee	0.695	0.680	0.728	191,820	238,925	272,563
Texas	0.667	0.663	0.720	2,593,296	2,950,085	2,384,640
Virginia	0.617	0.699	0.726	29,616	64,420	67,954
Other States [3]	0.698	0.734	0.739	207,727	152,146	342,846
United States	0.680	0.686	0.725	5,438,535	6,757,371	6,187,432
American-Pima:						
Arizona	(D)	(D)	(D)	(D)	(D)	(D)
California	(D)	(D)	(D)	(D)	(D)	(D)
New Mexico	(D)	(D)	(D)	(D)	(D)	(D)
Texas	1.070	(D)	(D)	16,949	(D)	(D)
Other States [3]	1.390	1.390	1.377	358,290	465,164	524,654
United States	1.370	1.390	1.377	375,239	465,164	524,654
All:						
United States	0.705	0.719	0.760	5,813,774	7,222,535	6,712,086

(D) Withheld to avoid disclosing data for individual operations. [1] Value based on 480-pound net weight bale. [2] Based on marketings and monthly prices received from August 1, 2017 - December 31, 2017. [3] Includes data withheld above.
NASS, Crops Branch, (202) 720–2127.

Table 2-3.—Cotton: Area, yield, production, and type by State and United States, 2016–2018

State	Area planted			Area harvested		
	2016	2017	2018	2016	2017	2018
Upland:	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*
Alabama	345.0	435.0	510.0	343.0	430.0	500.0
Arizona	120.0	160.0	160.0	118.0	159.0	159.0
Arkansas	380.0	445.0	485.0	375.0	438.0	480.0
California	63.0	88.0	48.0	62.0	87.0	47.0
Florida	103.0	99.0	117.0	102.0	98.0	90.0
Georgia	1,180.0	1,280.0	1,430.0	1,165.0	1,270.0	1,350.0
Kansas	33.0	93.0	165.0	31.0	90.0	154.0
Louisiana	140.0	220.0	195.0	137.0	217.0	192.0
Mississippi	435.0	630.0	620.0	430.0	625.0	615.0
Missouri	280.0	305.0	325.0	266.0	297.0	322.0
New Mexico	47.0	66.0	77.0	41.0	46.0	57.0
North Carolina	280.0	375.0	430.0	255.0	367.0	410.0
Oklahoma	305.0	590.0	780.0	290.0	555.0	565.0
South Carolina	190.0	250.0	300.0	183.0	248.0	290.0
Tennessee	255.0	345.0	360.0	250.0	340.0	355.0
Texas	5,650.0	7,000.0	7,750.0	5,200.0	5,500.0	4,600.0
Virginia	73.0	84.0	98.0	72.0	83.0	97.0
United States	9,879.0	12,465.0	13,850.0	9,320.0	10,850.0	10,283.0
American Pima:						
Arizona	14.5	15.0	14.0	11.0	15.0	14.0
California	155.0	216.0	210.0	154.0	215.0	209.0
New Mexico	8.0	7.5	7.0	7.8	7.4	7.0
Texas	17.0	14.0	18.0	15.0	13.0	17.5
United States	194.5	252.5	249.0	187.8	250.4	247.5
All:						
United States	10,073.5	12,717.5	14,099.0	9,507.8	11,100.4	10,530.5

State	Yield per harvested acre			Production [1]		
	2016	2017	2018	2016	2017	2018
Upland:	*Pounds*	*Pounds*	*Pounds*	*1,000 bales [2]*	*1,000 bales [2]*	*1,000 bales [2]*
Alabama	988	902	826	706.0	808.0	860.0
Arizona	1,525	1,464	1,328	375.0	485.0	440.0
Arkansas	1,075	1,177	1,150	840.0	1,074.0	1,150.0
California	1,897	1,297	1,879	245.0	235.0	184.0
Florida	922	759	640	196.0	155.0	120.0
Georgia	898	841	693	2,180.0	2,225.0	1,950.0
Kansas	1,099	1,051	1,066	71.0	197.0	342.0
Louisiana	939	894	1,025	268.0	404.0	410.0
Mississippi	1,207	1,038	1,116	1,081.0	1,351.0	1,430.0
Missouri	1,021	1,212	1,245	566.0	750.0	835.0
New Mexico	1,030	1,179	926	88.0	113.0	110.0
North Carolina	646	969	820	343.0	741.0	700.0
Oklahoma	1,021	882	637	617.0	1,020.0	750.0
South Carolina	656	912	728	250.0	471.0	440.0
Tennessee	1,104	1,033	1,055	575.0	732.0	780.0
Texas	748	809	720	8,100.0	9,270.0	6,900.0
Virginia	667	1,110	965	100.0	192.0	195.0
United States	855	895	821	16,601.0	20,223.0	17,596.0
American Pima:						
Arizona	851	966	994	19.5	30.2	29.0
California	1,565	1,407	1,649	502.0	630.0	718.0
New Mexico	886	863	823	14.4	13.3	12.0
Texas	1,056	960	960	33.0	26.0	35.0
United States	1,454	1,341	1,540	568.9	699.5	794.0
All:						
United States	867	905	838	17,169.9	20,922.5	18,390.0

[1] Production ginned and to be ginned. [2] 480-pound net weight bales.
NASS, Crops Branch, (202) 720–2127.

Table 2-4.—Cotton, American Upland: Support operations, United States, 2012–2018

Marketing Year beginning August 1	Income support payment rates per pound [1]	Program price levels per pound		Put under Loan		Acquired by CCC under loan program [4]	Owned by CCC at end of marketing year
		Loan [2]	Target [3]	Quantity	Percentage of production		
	Cents	*Cents*	*Cents*	*1,000 bales*	*Percent*	*1,000 bales*	*1,000 bales*
2012/2013	6.67/0	52.00	71.25	8,330	50.4	0	0
2013/2014	6.67/0	52.00	71.25	3,981	32.4	0	0
2014/2015	(NA)	52.00	(NA)	7,625	48.4	0	0
2015/2016	(NA)	52.00	(NA)	6,758	54.3	0	0
2016/2017	(NA)	52.00	(NA)	9,373	56.4	0	0
2017/2018	(NA)	49.49	(NA)	9,597	46.7	0.1	0
2018/2019	(NA)	52.00	(NA)	8,250	47.0	15	0

(NA) Not available. [1] The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. For 2009/2010-2013/2014, producers who participate in the Average Crop Revenue (ACRE) program get a 20 percent reduction in their direct payment, not calculated in this table. The Agricultural Act of 2014 excludes upland cotton as a covered commodity for the Agricultural Risk Coverage and Price Loss Coverage Programs. [2] For 2009/2010-2013/2014, producers who participate in the ACRE program get a 30 percent reduction in their loan rate, not calculated in this table. [3] Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. [4] Aquisitions as of September 30, 2019.

FPAC-BC, Commodity Analysis Branch.

Table 2-5.—International Cotton: Area, yield, and production in specified countries, 2016/2017–2018/2019

Country	Area			Yield			Production		
	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019
	1,000 hectares			*Kilograms per hectare*			*1,000 480 lb. bales*		
Australia	2,900	3,400	3,500	1,708	1,761	1,726	22,750	27,500	27,750
Brazil	10,850	12,450	12,250	542	507	462	27,000	29,000	26,000
China	3,848	4,492	4,130	972	1,014	968	17,170	20,923	18,367
India	940	1,175	1,595	1,626	1,708	1,747	7,020	9,220	12,800
Mali	2,500	2,700	2,400	671	661	699	7,700	8,200	7,700
Mexico	400	470	520	1,742	1,853	1,549	3,200	4,000	3,700
Pakistan	1,180	1,250	1,100	687	672	653	3,725	3,860	3,300
Turkey	580	530	300	1,520	1,972	1,742	4,050	4,800	2,400
Turkmenistan	104	210	238	1,602	1,617	1,546	765	1,560	1,690
Uzbekistan ...	210	230	245	1,071	1,157	1,253	1,033	1,222	1,410
Others	420	530	650	446	468	469	860	1,140	1,400
Total foreign	655	705	720	412	432	381	1,240	1,400	1,260
United States	240	320	380	680	558	642	750	820	1,120
Total	700	850	640	407	307	313	1,310	1,200	920
Pakistan	545	545	545	529	535	364	1,325	1,340	910
Turkey	345	327	392	406	536	486	643	805	875
Turkmenistan	244	249	240	634	634	635	710	725	700
Uzbekistan ...	225	225	250	455	484	523	470	500	600
Others	55	91	141	673	718	772	170	300	500
Total foreign	96	180	180	816	575	605	360	475	500

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 2-6.—Cotton: United States exports by country of destination, 2016–2018

Country of destination	Year		
	2016	2017	2018
	Metric tons	*Metric tons*	*Metric tons*
Cotton linters:			
Japan	2,010	11,088	6,629
China	3,626	6,473	5,515
Germany(*)	955	1,123	980
Thailand	0	0	619
Spain	4,233	1,760	229
Vietnam	20	9	134
Canada	53	45	71
Argentina	2	100	41
France(*)	149	151	32
Guatemala	8	4	31
Sweden	23	10	27
Brazil	0	47	27
Turkey	0	31	23
United Kingdom	79	35	19
Chile	10	31	19
Korea, South	0	76	18
Trinidad and Tobago	0	8	17
Italy(*)	0	0	13
South Africa	16	0	12
United Arab Emirates	6	4	11
Singapore	0	0	6
Libya	0	0	6
Israel(*)	0	5	3
Bahamas, The	0	49	0
Costa Rica	0	6	0
Indonesia	0	15	0
Mexico	140	0	0
Malaysia	5	0	0
Nigeria	0	3	0
Netherlands	0	5	0
Rest of World	11	13	0
World Total	11,348	21,088	14,480
Cotton <1:			
Vietnam	4,390	15,417	31,740
Indonesia	1,127	12,510	29,613
China	2,312	15,386	26,059
Turkey	1,707	12,198	19,355
Thailand	7,064	6,196	17,821
Taiwan	12,121	8,383	17,391
India	28	571	7,613
Japan	2,524	3,043	6,637
Pakistan	39	949	5,948
Korea, South	255	681	4,843
Bangladesh	0	635	2,919
Mexico	937	1,028	1,139
Malaysia	0	415	1,035
Guatemala	0	119	551
Philippines	0	0	496
Italy(*)	196	431	327
Switzerland(*)	173	397	211
Belgium-Luxembourg(*)	5	317	98
France(*)	0	2	69
Hong Kong	0	7	66
Portugal	0	0	31
Dominican Republic	94	93	23
Peru	0	0	20
United Arab Emirates	0	41	16
Germany(*)	20	440	12
Russia	0	3	10
Nicaragua	18	0	9
Colombia	23	2	1
Argentina	0	241	0
Australia(*)	3	7	0
Rest of World	903	168	0
World Total	33,937	79,676	174,053

See footnote(s) at end of table.

Table 2-6.—Cotton: United States exports by country of destination, 2016–2018—Continued

Country of destination	Year		
	2016	2017	2018
	Metric tons		
Cotton >1 <1 1/8:			
Vietnam	295,022	322,337	348,245
Mexico	195,341	195,692	176,629
Turkey	122,538	116,639	157,895
Indonesia	89,481	91,705	112,260
Pakistan	22,105	53,161	99,618
China	84,094	103,464	88,241
Bangladesh	27,690	30,798	65,779
Thailand	33,472	46,598	48,507
Guatemala	35,763	31,766	38,031
Taiwan	39,414	26,514	32,660
Malaysia	11,502	15,024	26,394
Korea, South	11,957	15,716	20,335
India	12,531	15,475	19,633
Peru	8,279	10,620	16,766
Colombia	14,167	12,304	15,845
El Salvador	9,732	10,855	13,809
Japan	14,945	12,488	10,117
Ecuador	6,628	3,745	8,466
Philippines	6,859	8,015	6,097
Portugal	0	2,485	2,480
Italy(*)	808	137	1,906
Brazil	10,003	11,812	1,734
Algeria	0	0	822
Egypt	0	295	803
Bahrain	1,794	764	800
Morocco	0	585	734
Sri Lanka	695	594	694
Nicaragua	4	0	616
Singapore	0	163	402
Honduras	102	392	319
Rest of World	4,338	890	1,211
World Total	1,059,262	1,141,032	1,317,845
Pima >= 1 3/8:			
China	25,759	28,410	38,699
India	37,926	34,327	36,931
Vietnam	3,589	4,649	7,225
Peru	2,366	3,946	6,236
Pakistan	2,972	2,717	4,671
Egypt	3,125	1,920	3,282
Thailand	943	2,097	2,833
Turkey	3,075	548	2,362
Indonesia	2,031	3,210	2,053
Bangladesh	0	1,109	1,972
Japan	1,276	3,084	1,417
Taiwan	134	455	1,383
Austria	199	785	982
Germany(*)	1,247	39	861
Venezuela	0	0	496
Brazil	137	0	271
United Kingdom	19	67	248
Bahrain	0	0	178
Malaysia	0	296	100
Italy(*)	97	78	84
El Salvador	0	41	40
Colombia	174	134	39
Mexico	217	306	19
Croatia	0	0	4
Australia(*)	0	1	3
Equatorial Guinea	0	0	1
France(*)	0	0	1
Switzerland(*)	0	0	1
Portugal	0	0	1
Belgium-Luxembourg(*)	2	0	0
Rest of World	688	528	0
World Total	85,977	88,7474	112,390

See footnote(s) at and of table.

Table 2-6.—Cotton: United States exports by country of destination, 2016–2018—Continued

Country of destination	Year		
	2016	2017	2018
	Metric tons	*Metric tons*	*Metric tons*
Cotton Other > 1 1/8:			
Vietnam	234,915	284,136	367,884
China	194,002	379,305	332,112
Pakistan	104,339	114,925	233,734
Turkey	204,449	280,913	210,148
Indonesia	127,062	177,783	193,063
Bangladesh	30,581	119,566	131,511
Korea, South	91,429	125,903	93,778
India	62,082	159,555	91,222
Thailand	57,677	63,088	76,714
Taiwan	32,249	46,805	54,689
Malaysia	15,717	32,463	34,739
Peru	26,947	34,051	30,962
Egypt	12,340	14,808	22,520
Guatemala	6,462	9,382	15,412
Mexico	20,082	28,226	13,964
Brazil	20,163	14,321	13,353
Costa Rica	11,248	7,423	9,281
Ecuador	6,202	11,118	7,376
Colombia	8,496	8,666	6,390
Japan	7,668	8,490	6,312
Philippines	1,057	4,510	6,243
Honduras	2,409	2,476	4,199
El Salvador	3,818	2,269	2,653
Bahrain	2,291	2,624	2,217
Switzerland(*)	226	608	1,860
Nicaragua	1,310	717	1,259
Germany(*)	1,347	908	1,237
Italy(*)	874	1,631	799
Austria	196	40	748
Singapore	383	396	695
Rest of World	1,655	5,822	3,353
World Total	1,289,675	1,942,927	1,970,423

(*) Denotes a country that is a summarization of its component countries.

Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.

FAS, Office of Global Analysis, (202) 720–6301.

Table 2-7.—Cotton, excluding linters: United States exports and imports, 2016–2018

Area/Partners of Destination	Year beginning August		
	2016	2017	2018
	Metric tons		
Exports:			
Vietnam	420,820	643,745	729,216
China	183,330	502,957	571,651
Turkey	330,315	423,336	411,817
Indonesia	150,208	321,331	345,488
Pakistan	89,187	187,406	316,864
Mexico	216,449	219,210	206,572
Bangladesh	47,280	139,819	194,854
India	61,751	240,827	160,850
Thailand	82,416	125,730	144,903
Korea, South	103,672	130,162	131,930
Taiwan	71,956	91,823	101,354
Malaysia	24,133	44,972	53,681
Peru	42,447	42,486	52,186
Guatemala	41,741	42,725	46,786
Japan	26,915	26,387	26,467
Colombia	24,775	17,878	24,895
Egypt	11,589	20,919	24,647
Ecuador	11,467	14,076	15,829
Brazil	20,270	36,095	15,264
El Salvador	16,450	13,901	14,549
Philippines	7,389	14,126	12,418
Costa Rica	11,149	8,618	8,482
Honduras	3,242	2,950	4,141
Bahrain	3,651	4,330	3,154
Italy(*)	1,858	1,894	3,096
Portugal	375	2,989	2,482
Germany(*)	2,539	2,170	2,182
Nicaragua	1,728	449	1,938
Austria	394	785	1,736
Rest of World	6,701	10,187	9,035
World Total	2,016,196	3,334,280	3,638,466

Country of origin	Year beginning August		
	2016	2017	2018
	Metric tons		
Imports:			
Egypt	771	537	695
Germany(*)	31	17	38
India	985	818	7
China	0	-	4
Morocco	0	0	1
Brazil	5,086	0	1
Japan	0	0	0
Mexico	1	0	0
Pakistan	18	0	0
Peru	0	0	0
Italy(*)	0	0	0
France(*)	-	1	-
Hong Kong	0	-	0
Kazakhstan	0	35	0
South Africa	0	-	0
Spain	0	-	0
Sweden	-	0	0
Thailand	0	0	0
Tajikistan	0	20	0
Turkey	324	1	0
Taiwan	0	1	0
United Kingdom	-	-	0
World Total	7,217	1,429	745

(*) Denotes a country that is a summarization of its component countries.
All zeroes for a data item may show that statistics exist in the other import type.
Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.
FAS, Office of Global Analysis, (202) 720-6301. Data Source: Department of Commerce, U.S. Census Bureau, Foreign Trade Statistics.

Table 2-8.—Cotton: International trade, 2016/2017–2018/2019 [1]

Country	2016/2017	2017/2018	2018/2019
	1,000 bales [2]		
Principle exporting countries:			
United States	14,917	15,847	14,500
Brazil	2,789	4,174	6,200
India	4,550	5,182	3,800
Australia	3,731	3,915	3,600
Greece	1,017	1,076	1,350
Benin	800	1,000	1,325
Mali	1,100	1,300	1,300
Burkina	1,155	1,225	1,000
Cote d'Ivoire	625	620	825
Uzbekistan	1,750	900	600
Cameroon	500	400	550
Mexico	150	350	500
Turkey	334	325	500
Argentina	266	157	475
Malaysia	111	152	400
Sudan	310	350	400
Tajikistan	303	505	375
Egypt	130	220	350
Kazakhstan	265	250	275
Spain	247	239	260
Azerbaijan	80	162	250
Zambia	195	100	225
Togo	165	200	210
Tanzania	135	90	200
Turkmenistan	850	700	200
Principle importing countries:			
Bangladesh	5,032	5,725	9,250
China	5,500	6,950	7,000
India	6,800	7,600	6,900
Indonesia	3,679	4,024	3,200
Korea, South	3,391	3,498	3,000
Mexico	2,450	3,300	2,900
Pakistan	2,736	1,677	1,500
Thailand	1,226	1,149	1,150
Turkey	1,000	925	850
Vietnam	1,025	904	800
Others	392	739	650
Total foreign	644	632	635
United States	525	550	450
Total	300	325	300
Thailand	190	242	240
Turkey	252	262	225
Vietnam	151	184	180
Others	154	156	175
Total foreign	168	171	170
United States	220	210	170
Turkey	122	118	130
Vietnam	148	140	120
Others	105	115	120
Total foreign	121	130	110
United States	95	95	95

[1] Marketing year beginning Aug. 1. [2] 480-pound net weight.

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 2-9.—Sugarbeets: Area, yield, production, and value, United States, 2009–2018 [1]

Year	Area		Yield per harvested acre	Production	Marketing year average price per ton received by farmers	Value of production
	Planted	Harvested				
	1,000 acres	*1,000 acres*	*tons*	*1,000 tons*		*1,000 dollars*
2009	1,185.8	1,148.5	25.9	29,783	51.50	1,532,634
2010	1,171.9	1,156.1	27.7	32,034	66.90	2,142,162
2011	1,232.8	1,213.2	23.8	28,896	69.40	2,004,116
2012	1,230.1	1,204.1	29.3	35,224	66.40	2,338,789
2013	1,198.0	1,154.0	28.4	32,789	46.60	1,526,821
2014	1,162.5	1,146.3	27.3	31,285	46.00	1,440,068
2015	1,159.8	1,145.4	30.9	35,371	47,20	1,667,874
2016	1,163.4	1,126.4	32.8	36,920	35.70	1,318,267
2017	1,131.4	1,113.8	31.7	35,317	41.20	1,456,165
2018	1,113.1	1,095.4	30.3	33,145	.....	.....

[1] Relates to year of intended harvest for fall planted beets in central California and to year of planting for overwintered beets in central and southern California.
NASS, Crops Branch, (202) 720–2127.

Table 2-10.—Sugarbeets: Area, yield, and production, by State and United States, 2016–2018

State	Area planted			Area harvested			Yield per harvested acre			Production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*Tons*	*Tons*	*Tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*
California [1]	25.3	25.0	24.6	25.2	24.4	24.6	45.1	43.7	44.4	1,137	1,066	1,092
Colorado	28.1	29.4	26.3	27.6	29.0	25.5	33.6	35.7	32.6	927	1,035	831
Idaho	172.0	167.0	163.0	170.0	166.0	163.0	41.4	39.2	40.5	7,038	6,507	6,602
Michigan	151.0	144.0	150.0	149.0	143.0	147.0	30.8	25.2	29.1	4,589	3,604	4,278
Minnesota	437.0	420.0	415.0	417.0	409.0	408.0	30.0	30.6	25.7	12,510	12,515	10,486
Montana	45.6	42.9	43.5	45.3	42.7	42.4	35.0	32.7	31.1	1,586	1,396	1,319
Nebraska	48.0	46.1	45.5	47.2	45.2	44.1	29.9	31.8	31.9	1,411	1,437	1,407
North Dakota	213.0	214.0	202.0	203.0	212.0	199.0	30.8	30.4	28.8	6,252	6,445	5,731
Oregon	10.7	9.1	9.3	10.2	9.1	9.3	42.0	36.7	39.4	428	334	366
Washington [2]	2.0	1.8	1.8	1.9	1.8	1.8	47.9	48.2	48.2	91	87	87
Wyoming	30.7	32.1	32.1	30.0	31.6	30.7	31.7	28.2	30.8	951	891	946
United States	1,163.4	1,131.4	1,113.1	1,126.4	1,113.8	1,095.4	32.8	31.7	30.3	36,920	35,317	33,145

[1] Relates to year of intended harvest for fall planted beets in central California and to year of planting for overwintered beets in central and southern California.
NASS, Crops Branch, (202) 720–2127.

Table 2-11.—Sugarbeets: Production and value, by State and United States, 2016–2017

State	Production		Marketing year average price per ton received by farmers		Value of production	
	2016	2017	2016	2017	2016	2017
	1,000 tons	*1,000 tons*	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*
California [1]	1,137	1,066	47.70	47.70	54,235	50,848
Colorado	927	1,035	26.50	31.60	24,566	32,706
Idaho	7,038	6,507	43.20	40.20	304,042	261,581
Michigan	4,589	3,604	30.70	38.30	140,882	138,033
Minnesota	12,510	12,515	33.80	42.50	422,838	531,888
Montana	1,586	1,396	36.60	41.30	58,048	57,655
Nebraska	1,411	1,437	25.90	33.70	36,545	48,427
North Dakota	6,252	6,445	36.60	44.20	228,823	284,869
Oregon	428	334	43.20	40.20	18,490	13,427
Washington [2]	91	87	43.20	40.20	3,931	3,497
Wyoming	951	891	27.20	37.30	25,867	33,234
United States	36,920	35,317	35.70	41.20	1,318,267	1,456,165

[1] Relates to year of intended harvest for fall planted beets in central California and to year of planting for overwintered beets in central and southern California.
NASS, Crops Branch, (202) 720–2127.

Table 2-12.—Sugarcane for sugar and seed: Area, yield, production, and value, United States, 2008–2018

Year	Area harvested			Yield per acre [1]			Production [1]		
	For sugar	For seed	Total	For sugar	For seed	For sugar and seed	For sugar	For seed	Total
	1,000 acres	*1,000 acres*	*1,000 acres*	*Tons*	*Tons*	*Tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*
2009	817.0	56.9	873.9	34.9	34.1	34.8	28,494	1,938	30,432
2010	825.3	52.2	877.5	31.1	32.5	31.2	25,663	1,697	27,360
2011	827.1	45.5	872.6	33.5	32.7	33.5	27,738	1,486	29,224
2012	854.9	47.5	902.4	35.7	36.4	35.7	30,500	1,727	32,227
2013	859.6	51.2	910.8	33.8	33.9	33.8	29,023	1,521	30,761
2014	823.7	44.8	868.5	35.1	34.1	35.0	28,895	1,529	30,424
2015	831.1	43.6	874.7	36.8	35.9	36.7	30,535	1,567	32,122
2016	853.2	49.9	903.1	35.6	35.0	35.6	30,371	1,747	32,118
2017	851.6	52.6	904.1	36.6	39.1	36.8	31,182	2,056	33,238
2018	860.6	47.6	908.2	38.1	40.5	38.3	32,825	1,929	34,754

Year	Marketing year average price per ton received by farmers	Value of production	
		Of cane used for sugar	Of cane used for sugar and seed [2]
	Dollars	*1,000 dollars*	*1,000 dollars*
2008	29.50	771,134	814,479
2009	34.80	991,424	1,056,613
2010	41.70	1,069,537	1,140,636
2011	47.20	1,308,951	1,379,498
2012	41.90	1,276,631	1,348,361
2013	31.40	910,377	962,807
2014	34.70	1,002,138	1,054,657
2015	31.20	953,328	1,000,620
2016	32.60	990,209	966,757
2017	31.00	1,043,953	1,025,524

[1] Net tons. [2] Price per ton of cane for sugar used in evaluating value of production for seed.
NASS, Crops Branch, (202) 720–2127.

Table 2-13.—Sugarcane for sugar and seed: Production and value, by State and United States, 2016–2017

State	Sugarcane for sugar						Sugar and seed: Value of production [1]	
	Production [2]		Price per ton		Value of production		2016	2017
	2016	2017	2016	2017	2016	2017		
	1,000 tons	*1,000 tons*	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Florida	16,120	16,237	38.70	37.90	623.844	615,382	654,185	642,102
Hawaii	1,336	(NA)	40.70	(NA)	54,375	(NA)	54,375	(NA)
Louisiana	11,520	13,455	24.60	23.90	283,392	321,575	305,360	352,382
Texas	1,395	1,490	20.50	20.00	28,598	28,800	30,033	31,040
United States	30,371	31,182	32.60	31.00	990,209	966,757	1,043,953	1,025,524

[1] Price per ton of cane for sugar used in evaluating value of production for seed. [2] Net tons.
NASS, Crops Branch, (202) 720–2127.

Table 2-14.—Sugarcane for sugar and seed: Area, yield, and production, by State and United States, 2016–2018

State	Area harvested			Yield per acre [1]			Cane production [1]		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
For sugar:	*1,000 acres*	*1,000 acres*	*1,000 acres*	*Tons*	*Tons*	*Tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*
Florida	400	397	397	40.3	40.9	41.7	16,120	16,237	16,555
Hawaii	15.5	(NA)	(NA)	86.2	(NA)	(NA)	1,336	(NA)	(NA)
Louisiana	400	414	425	28.8	32.5	35.3	11,520	13,455	15,003
Texas	37.7	40.5	37.6	37	36.8	36.6	1,395	1,490	1,376
United States	853.2	851.5	859.6	35.6	36.6	38.3	30,371	31,182	32,934
For seed:									
Florida	17	15.7	15.3	46.1	44.9	45.8	784	705	701
Hawaii	-	(NA)	(NA)	-	(NA)	(NA)	-	(NA)	(NA)
Louisiana	31	35.6	23.5	28.8	36.2	36.5	893	1,289	858
Texas	1.9	1.3	1.3	37	48	37.9	70	62	49
United States	49.9	52.6	40.1	35	39.1	40.1	1,747	2,056	1,608
For sugar and seed:									
Florida	417	412.7	412.3	40.5	41.1	41.9	16,904	16,942	17,256
Hawaii	15.5	(NA)	(NA)	86.2	(NA)	(NA)	1,336	(NA)	(NA)
Louisiana	431	449.6	448.5	28.8	32.8	35.4	12,413	14,744	15,861
Texas	39.6	41.8	38.9	37	37.1	36.6	1,465	1,552	1,425
United States	903.1	904.1	899.7	35.6	36.8	38.4	32,118	33,238	34,542

[1] Net tons.
NASS, Crops Branch, (202) 720–2127.

Table 2-15.—Sugar, cane (raw value [1]): Refiners' raw stocks, receipts, meltings, continental United States, 2009–2018

Year	Jan. 1 stocks	Receipts [2]	Meltings
	1,000 tons		
2009	468	5,455	5,577
2010	346	5,754	5,843
2011	257	5,776	5,534
2012	498	5,880	5,805
2013	574	5,956	5,938
2014	592	6,099	6,135
2015	556	6,319	6,552
2016	322	6,473	6,434
2017	362	6,272	6,096
2018	538	6,322	6,332

[1] Raw value is the equivalent in terms of 96° sugar. [2] Receipts include refiners' total offshore raw sugar receipts in continental U.S. ports, whether entered through the customs or held pending availability of quota and raw cane sugar produced from sugarcane in the continental United States.
FPAC-BC, Commodity Analysis Branch.

Table 2-16.—Sugar, cane and beet: Domestic marketings, by source of supply, continental United States, 2016–2018

Area of supply	2016	2017	2018
	1,000 tons		
Domestic areas			
Mainland (beet)	4,832	5,529	5,096
Mainland and Hawaii (cane)	3,859	3,843	3,936
Total domestic areas	8,691	9,371	9,032

FPAC-BC, Commodity Analysis Branch. Source: U.S. Census.

Table 2-17.—Sugar, cane and beet (refined): Stocks, production, and food use deliveries, continental United States, 2009–2018

Item and year	Cane refiners	Sugarbeet processors	Importers of direct consumption sugar	Mainland cane processors [1]	Total
	1,000 short tons, raw value				
Stocks as of Jan. 1 [2]					
2009	440	1,464	0	5	1,909
2010	484	1,456	0	8	1,947
2011	466	1,691	0	4	2,161
2012	315	1,597	0	6	1,918
2013	388	2,013	0	3	2,404
2014	572	1,603	0	5	2,180
2015	351	1,589	0	4	1,944
2016	413	1,889	0	4	2,307
2017	325	2,029	0	0	2,354
2018	316	1,716	0	0	2,032
Sugar Production					
2009	5,577	4,339	0	34	9,949
2010	5,833	4,758	0	23	10,615
2011	5,476	4,561	0	19	10,056
2012	5,841	5,070	0	16	10,927
2013	5,883	4,881	0	17	10,781
2014	6,106	4,895	0	10	11,012
2015	6,528	4,878	0	42	11,448
2016	6,419	4,990	0	82	11,491
2017	6,084	5,198	0	0	11,282
2018	6,309	5,322	0	0	11,631
Food and Beverage Deliveries [3]					
2009	5,462	4,324	667	32	10,485
2010	5,615	4,514	904	20	11,054
2011	5,554	4,552	995	17	11,118
2012	5,630	4,633	977	18	11,257
2013	5,834	4,777	949	15	11,575
2014	6,058	4,875	796	11	11,740
2015	6,274	4,614	1,034	11	11,933
2016	6,373	4,809	921	12	12,115
2017	5,976	5,425	682	0	12,083
2018	6,230	5,121	705	0	12,056

[1] Sugar for human consumption only. [2] Stocks include sugar in bond and in Customs custody and control. [3] Consists of all refined sugar.

FPAC-BC, Commodity Analysis Branch.

Table 2-18.—Sugar (raw and refined): Average price per pound at specified markets, 2009–2018

Year	Cane sugar		Refined beet: Mid-west markets, U.S. wholesale	Retail price, granulated: United States
	Raw, 96 centrifugal			
	Intercontinental contract No. 11, nearby futures, world price	Duty fee paid, New York, U.S. price		
	Cents	*Cents*	*Cents*	*Cents*
2009	17.91	24.93	38.10	57.03
2010	22.49	35.97	53.23	62.86
2011	27.22	38.12	56.22	68.30
2012	21.69	28.90	43.38	69.41
2013	17.46	20.46	27.22	64.32
2014	16.34	24.15	32.86	60.90
2015	13.14	24.88	33.88	65.36
2016	18.13	27.65	29.65	64.19
2017	15.81	27.92	31.33	64.76
2018	12.25	25.37	35.54	61.63

ERS, Market and Trade Economics Division, (202) 694–5247. Compiled from the following sources: (New York) Coffee, Sugar & Cocoa Exchange; the U.S. Department of Labor, Bureau of Labor Statistics; Milling and Baking News, New York Board of Trade; Intercontinental Exchange,.

Table 2-19.—Sugar, centrifugal: International trade, 2014/2015–2016/2017

Country	2014/2015	2015/2016	2016/2017
	1,000 metric tons, raw value		
Principle exporting countries:			
Australia	3,561	3,700	4,000
Brazil	23,950	24,350	28,500
Colombia	835	584	695
Cuba	895	1,031	1,094
European Union	1,582	1,548	1,513
Guatemala	2,340	2,029	1,978
India	2,580	3,800	2,125
Mexico	1,545	1,280	1,287
Thailand	8,252	7,055	7,016
Ukraine	127	180	813
Others	9,178	8,331	9,612
Total Foreign	54,845	53,888	58,633
United States	168	67	86
Total	55,013	53,955	58,719
Principle importing countries:			
Algeria	1,844	1,834	2,061
Bangladesh	1,982	2,283	2,097
China	5,058	6,116	4,600
European Union	2,918	3,055	2,599
India	1,000	1,902	2,701
Indonesia	2,950	3,724	4,918
Iran	1,882	1,900	1,757
Korea, South	2,063	2,009	1,893
Malaysia	1,465	1,470	1,820
United Arab Emirates	2,366	1,830	1,893
Others	23,497	25,566	24,889
Total Foreign	47,025	51,689	51,228
United States	3,223	3,031	2,942
Total	50,248	54,720	54,170

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 2-20.—U.S. Sugar (raw value): Supply and use, includes Puerto Rico, 2009–2018

Fiscal Year	Beginning stocks	Production	Imports	Exports	Total deliveries, domestic use
	1,000 short tons				
2009	1,534	7,963	3,320	211	11,152
2010	1,498	7,831	3,738	248	11,422
2011	1,378	8,488	3,632	269	11,313
2012	1,979	8,981	3,224	274	11,776
2013	2,158	8,462	3,742	306	12,246
2014	1,810	8,656	3,553	185	12,019
2015	1,815	8,989	3,341	74	12,051
2016	2,054	8,970	3,244	95	12,258
2017	1,876	9,293	3,277	170	12,185
2018	2,008	8,948	2,875	35	12,270

ERS, Market and Trade Economics Division, (202) 694–5247. Source: ERS Sugar and Sweetener Outlook

Table 2-21.—Honey: United States exports and imports for consumption, by country of origin, 2016–2018

Country of origin	2016	2017	2018
	Metric tons	*Metric tons*	*Metric tons*
Exports:			
Philippines	741	747	812
Canada	771	647	739
Japan	230	208	538
Vietnam	2	198	511
Korea, South	488	787	507
United Arab Emirates	397	125	157
Kuwait	418	487	150
China	641	316	120
Australia(*)	78	50	90
Bahamas, The	40	102	76
Yemen(*)	402	72	72
Panama	35	51	66
India	0	0	59
France(*)	12	99	55
Mexico	66	46	53
Bahrain	62	43	51
Barbados	41	57	48
Oman	0	0	41
Hong Kong	165	27	41
Rest of World	130	195	40
Bermuda	29	38	37
Netherlands Antilles(*)	23	31	31
Pakistan	74	31	25
Trinidad and Tobago	8	21	20
Singapore	104	93	19
Cambodia	5	3	14
Austria	0	0	11
Dominican Republic	3	0	9
Belgium-Luxembourg(*)	0	0	9
Taiwan	83	10	6
Thailand	0	6	5
World Total	5,047	4,491	4,407
Imports:			
India	29,364	45,170	44,298
Vietnam	38,494	36,288	39,193
Argentina	34,708	35,378	36,219
Brazil	19,062	24,031	23,604
Canada	13,510	15,785	15,244
China	148	521	13,436
Ukraine	11,086	19,363	8,324
Thailand	4,238	4,490	4,676
Mexico	4,557	4,783	3,315
Turkey	1,852	2,393	2,314
Taiwan	1,618	1,649	1,680
New Zealand(*)	1,840	4,201	1,673
Uruguay	1,767	4,025	1,326
Germany(*)	904	890	863
Spain	363	483	758
Australia(*)	129	312	554
France(*)	455	579	412
Greece	108	137	389
Dominican Republic	485	511	359
Burma	428	259	344
Hungary	118	134	286
Sierra Leone	208	37	259
Bulgaria	192	95	151
Poland	58	141	145
Italy(*)	100	135	126
Russia	143	126	103
Austria	85	95	91
Laos	20	254	77
Belarus	3	25	63
United Kingdom	120	335	58
Rest of World	317	364	330
World Total	166,480	202,985	200,667

(*) Denotes a country that is a summarization of its component countries.
FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 2-22.—Honey: Number of colonies, yield, production, stocks, price, and value, United States, 2009–2018 [1]

State	Honey producing colonies [2]	Yield per colony	Production [3]	Stocks Dec 15 [4]	Average price per pound [5]	Value of production
	1,000	*Pounds*	*1,000 pounds*	*1,000 pounds*	*Cents*	*1,000 dollars*
2009	2,498	58.6	146,416	37,516	147.3	215,671
2010	2,692	65.6	176,462	45,018	161.9	285,692
2011	2,491	59.6	148,357	36,761	176.5	261,850
2012	2,539	56.0	142,296	31,829	199.2	283,454
2013	2,641	56.6	149,550	38,175	214	320,037
2014	2,741	65.1	178,310	41,207	217	386,933
2015	2,661	58.9	156,705	42,205	208	325,946
2016	2,780	58.4	162,246	41,314	212	343,962
2017	2,684	55.5	149,025	30,671	220	327,855
2018	2,803	54.4	152,348	29,091	216.6	333,482

[1] For producers with 5 or more colonies that also qualify as a farm. Colonies which produced honey in more than one State were counted in each State. [2] Honey producing colonies are the maximum number of colonies from which honey was taken during the year. It is possible to take honey from colonies which did not survive the entire year. [3] Due to rounding, total colonies multiplied by total yield may not exactly equal production. [4] Stocks held by producers. [5] Average price per pound based on expanded sales.

NASS, Livestock Branch, (202) 720–3570.

Table 2-23.—Honey: Number of colonies, yield, production, stocks, price and value, by State and United States, 2018 [1]

State	Honey producing colonies [2]	Yield per colony	Production	Stocks Dec 15 [3]	Average price per pound [4]	Value of production [5]
	1,000	*Pounds*	*1,000 pounds*	*1,000 pounds*	*Cents*	*1,000 dollars*
Alabama	6	45	270	14	357	964
Arizona	24	38	912	109	282	2,572
Arkansas	28	50	1,400	84	187	2,618
California	335	41	13,735	3,022	206	28,294
Colorado	31	48	1,488	283	202	3,006
Florida	215	49	10,535	737	240	25,284
Georgia	98	34	3,332	200	279	9,296
Hawaii	17	103	1,751	18	183	3,204
Idaho	96	31	2,976	655	196	5,833
Illinois	11	41	451	108	501	2,260
Indiana	7	46	322	106	375	1,208
Iowa	38	49	1,862	1,005	235	4,376
Kansas	5	73	365	95	300	1,095
Kentucky	4	41	164	34	542	889
Louisiana	45	83	3,735	261	190	7,097
Maine	12	32	384	92	268	1,029
Michigan	92	44	4,048	729	237	9,594
Minnesota	119	61	7,259	1,161	188	13,647
Mississippi	20	87	1,740	70	205	3,567
Missouri	9	45	405	36	258	1,045
Montana	160	92	14,720	3,680	192	28,262
Nebraska	40	59	2,360	850	199	4,696
New Jersey	13	31	403	165	735	2,962
New York	56	48	2,688	833	334	8,978
North Carolina ...	10	33	330	63	555	1,832
North Dakota	530	72	38,160	4,579	188	71,741
Ohio	14	73	1,022	491	361	3,689
Oregon	93	35	3,255	1,009	222	7,226
Pennsylvania	19	44	836	309	373	3,118
South Carolina ...	16	48	768	15	304	2,335
South Dakota	255	47	11,985	5,154	198	23,730
Tennessee	7	46	322	84	399	1,285
Texas	132	56	7,392	1,035	206	15,228
Utah	26	41	1,066	75	209	2,228
Vermont	7	48	336	94	366	1,230
Virginia	4	40	160	35	683	1,093
Washington	77	43	3,311	563	211	6,986
West Virginia	6	37	222	38	416	924
Wisconsin	51	45	2,295	711	276	6,334
Wyoming	39	56	2,184	175	189	4,128
Other States [6] [7]	36	38.9	1,399	314	593	8,599
United States [7] [8]	2,803	54.4	152,348	29,091	216.6	333,482

[1] For producers with 5 or more colonies that also qualify as a farm. Colonies which produced honey in more than one State were counted in each State. [2] Honey producing colonies are the maximum number of colonies from which honey was taken during the year. It is possible to take honey from colonies which did not survive the entire year. [3] Stocks held by producers. [4] Average price per pound based on expanded sales. [5] Value of production is equal to production multiplied by average price per pound. [6] Alaska, Connecticut, Delaware, Maryland, Massachusetts, Nevada, New Hampshire, New Mexico, Oklahoma, and Rhode Island not published separately to avoid disclosing data for individual operations. [7] Due to rounding, total colonies multiplied by total yield may not exactly equal production. [8] United States value of production will not equal summation of States.

NASS, Livestock Branch, (202) 720–3570.

Table 2-24.—Honey: Number of colonies, yield, production, stocks, price and value, by State and United States, 2017 [1]

State	Honey producing colonies [2]	Yield per colony	Production	Stocks Dec 15 [3]	Average price per pound [4]	Value of production [5]
	1,000	*Pounds*	*1,000 pounds*	*1,000 pounds*	*Cents*	*1,000 dollars*
Alabama	7	45	315	22	277	873
Arizona	22	40	880	97	196	1,725
Arkansas	29	77	2,233	223	191	4,265
California	335	41	13,735	2,198	209	28,706
Colorado	33	43	1,419	284	206	2,923
Florida	205	43	8,815	529	240	21,156
Georgia	99	32	3,168	190	296	9,377
Hawaii	12	131	1,572	16	151	2,374
Idaho	95	44	4,180	1,045	179	7,482
Illinois	11	46	506	167	476	2,409
Indiana	7	48	336	128	394	1,324
Iowa	35	58	2,030	1,035	222	4,507
Kansas	7	79	553	260	418	2,312
Kentucky	5	38	190	42	408	775
Louisiana	43	81	3,483	279	188	6,548
Maine	12	33	396	51	545	2,158
Michigan	87	45	3,915	822	241	9,435
Minnesota	126	62	7,812	1,016	186	14,530
Mississippi	13	80	1,040	83	181	1,882
Missouri	8	65	520	57	353	1,836
Montana	145	72	10,440	2,506	230	24,012
Nebraska	42	63	2,646	423	199	5,266
New Jersey	13	28	364	167	786	2,861
New York	57	56	3,192	766	301	9,608
North Carolina	11	41	451	99	434	1,957
North Dakota	455	74	33,670	4,377	189	63,636
Ohio	15	73	1,095	657	312	3,416
Oregon	78	40	3,120	998	189	5,897
Pennsylvania	16	46	736	177	340	2,502
South Carolina	16	34	544	27	306	1,665
South Dakota	255	57	14,535	6,541	191	27,762
Tennessee	7	41	287	75	468	1,343
Texas	120	66	7,920	2,297	211	16,711
Utah	27	31	837	67	206	1,724
Vermont	7	45	315	120	417	1,314
Virginia	5	35	175	39	573	1,003
Washington	77	45	3,465	1,594	225	7,796
West Virginia	6	40	240	50	385	924
Wisconsin	53	56	2,968	683	277	8,221
Wyoming	39	53	2,067	186	159	3,287
Other States [6] [7]	34	43	1,473	184	411	6,054
United States [7] [8]	2,669	55.3	147,638	30,577	215.6	318,308

[1] For producers with 5 or more colonies that also qualify as a farm. Colonies which produced honey in more than one State were counted in each State. [2] Honey producing colonies are the maximum number of colonies from which honey was taken during the year. It is possible to take honey from colonies which did not survive the entire year. [3] Stocks held by producers. [4] Average price per pound based on expanded sales. [5] Value of production is equal to production multiplied by average price per pound. [6] Alaska, Connecticut, Delaware, Maryland, Massachusetts, Nevada, New Hampshire, New Mexico, Oklahoma, and Rhode Island not published separately to avoid disclosing data for individual operations. [7] Due to rounding, total colonies multiplied by total yield may not exactly equal production. [8] United States value of production will not equal summation of States.

NASS, Livestock Branch, (202) 720–3570.

Table 2-25.—U.S. per capita caloric sweeteners estimated deliveries for domestic food and beverage use, by calendar year 2008–2017 [1] [2]

Calendar year	U.S. population [3] (July 1)	Refined sugar [4]	HFCS	Corn Sweeteners			Pure honey	Edible syrups	Total caloric sweeteners
				Glucose syrup	Dextrose	Total			
	Millions	Pounds, dry basis							
2008	304.5	65.1	52.7	13.4	2.8	68.8	1.0	0.6	135.5
2009	307.2	63.4	49.7	13.0	2.7	65.3	0.9	0.6	130.3
2010	309.3	66.0	48.4	12.6	2.9	64.0	1.0	0.8	131.8
2011	311.7	65.9	46.7	12.2	2.9	61.8	1.1	0.7	129.5
2012	314.0	66.7	45.8	12.5	2.7	61.0	1.1	0.7	129.4
2013	316.2	68.0	43.7	12.0	2.6	58.4	1.2	0.7	128.3
2014	318.6	68.4	43.4	12.2	3.0	58.5	1.3	0.8	129.1
2015	320.9	69.2	42.5	12.3	3.0	57.8	1.3	0.9	129.1
2016	323.1	69.7	41.4	12.4	2.7	56.5	1.3	0.7	128.1
2017	325.7	69.2	39.8	13.1	3.0	55.8	1.4	0.7	127.1

[1] Per capita deliveries of sweeteners by U.S. processors and refiners and direct-consumption imports to food manufacturers, retailers, and other end users represent the per capita supply of caloric sweeteners. The data exclude deliveries to manufacturers of alcoholic beverages. Actual human intake of caloric sweeteners is lower because of uneaten food, spoilage, and other losses. See Table 51 of the Sugar and Sweeteners Yearbook series for estimated intake of sugar. [2] Totals may not add due to rounding. [3] Source: U.S. Census Bureau. [4] Based on U.S. sugar deliveries for domestic food and beverage use.

ERS, Market and Trade Economics Division (202) 694–5247. Source: ERS Sugars and Sweeteners Outlook.

Table 2-26.—Tobacco: Area, yield, production, price, and value, United States, 2009–2018

Year	Area harvested	Yield per acre	Production	Marketing year average price per pound received by farmers	Value of production
	Acres	*Pounds*	*1,000 pounds*	*Dollars*	*1,000 dollars*
2009	354,040	2,323	822,581	1.837	1,511,196
2010	337,500	2,128	718,190	1.782	1,279,920
2011	325,040	1,841	598,252	1.857	1,110,737
2012	356,250	2,268	762,709	2.181	1,557,604
2013	378,480	2,033	724,266	2.006	1,579,823
2014	328,850	2,316	876,689	2.094	1,835,663
2015	328,650	2,188	719,563	2.003	1,443,320
2016	319,660	1,967	628,720	2.007	1,262,087
2017	321,470	2,209	710,161	2.058	1,461,855
2018	291,430	1,830	533,241	2,051	1,093,918

Table 2-27.—Tobacco: Area, yield, and production, by State and United States, 2016–2018

State	Area harvested			Yield per harvested acre			Production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	Acres	*Acres*	*Acres*	*Pounds*	*Pounds*	*Pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*
Georgia	13,500	12,500	12,500	2,100	2,100	1,900	28,350	26,250	23,750
Kentucky	75,300	80,500	68,100	1,810	2,277	1,973	136,280	183,300	134,370
North Carolina	166,000	163,900	152,750	1,999	2,197	1,649	331,800	360,040	251,925
Pennsylvania ...	8,200	8,100	7,800	2,495	2,344	2,231	20,460	18,990	17,400
South Carolina	13,000	12,000	12,300	1,900	2,100	1,800	24,700	25,200	22,140
Tennessee	20,200	21,100	15,700	1,767	2,038	2,523	35,690	43,000	39,610
Virginia	23,460	23,370	22,280	2,193	2,284	1,977	51,440	53,381	44,046
United States ...	319,660	321,470	291,430	1,967	2,209	1,830	628,720	710,161	533,241

CHAPTER III

STATISTICS OF OILSEEDS, FATS, AND OILS

This chapter includes information on cottonseed, flaxseed, olive oil, peanuts, soybeans, and fats and oils. Most butter statistics are included in the chapter on dairy and poultry statistics. Lard data are mostly in the chapter on livestock.

Table 3-1.—Cottonseed: All cotton harvested area and cottonseed production, farm disposition, marketing year average price per ton received by farmers, and value, United States, 2009–2018

Year	Harvested area of all cotton	Cottonseed				
		Production	Farm disposition		Marketing year average price [2]	Value of production
			Sales to oil mills	Other [1]		
	1,000 acres	*1,000 tons*	*1,000 tons*	*1,000 tons*	*Dollars/tons*	*1,000 dollars*
2009	7,533.7	4,148.8	2,277.9	1,870.9	158.00	670,027
2010	10,698.7	6,096.1	3,252.9	2,843.2	161.00	988,656
2011	9,460.9	5,370.0	2,695.0	2,675.0	260.00	1,413,343
2012	9,321.8	5,666.0	2,985.0	2,681.0	252.00	1,456,245
2013	7,539.4	4,203.0	2,070.0	2,133.0	246.00	1,054,003
2014	9,351.8	5,125.0	2,459.0	2,666.0	194.00	1,015,607
2015	8,074.9	4,043.0	1,916.0	2,127.0	227.00	932,894
2016	9,507.8	5,369.0	2,921.0	2,448.0	195.00	1,055,924
2017	11,100.4	6,422.0	3,059.0	3,363.0	142.00	911,925
2018	10,205.8	5,631.0	2,435.0	3,196.0	152.00	896,048

[1] Includes planting seed, feed, exports, inter-farm sales, shrinkage, losses, and other uses. [2] 2018 based on monthly prices received from August 1, 2018 - December 31, 2018.
NASS, Crops Branch, (202) 720–2127.

Table 3-2.—Cottonseed: Production and farm disposition, by State and United States, 2017 and 2018

State	Production		Farm disposition				Seed for planting [1]	
	2017	2018	Sales to oil mills		Other [2]		2017	2018
			2017	2018	2017	2018		
	1,000 tons	*1,000 tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*
Alabama	204.0	254.0	26.0	43.0	178.0	211.0	2.6	3.1
Arizona	171.0	156.0	.....	3.0	171.0	153.0	1.3	1.1
Arkansas	351.0	366.0	238.0	268.0	113.0	98.0	3.0	3.7
California	323.0	342.0	84.0	62.0	239.0	280.0	2.3	2.0
Florida	44.0	27.0	35.0	26.0	9.0	1.0	0.6	0.5
Georgia	638.0	546.0	279.0	202.0	359.0	344.0	7.2	6.5
Kansas	58.0	106.0	12.0	.....	46.0	106.0	0.7	0.9
Louisiana	127.0	135.0	108.0	107.0	19.0	28.0	1.1	1.6
Mississippi	432.0	451.0	295.0	240.0	137.0	211.0	3.9	4.4
Missouri	255.0	310.0	179.0	150.0	76.0	160.0	1.9	2.1
New Mexico	40.0	42.0	.....	.....	40.0	42.0	0.5	0.5
North Carolina	217.0	224.0	7.0	10.0	210.0	214.0	2.8	3.1
Oklahoma	294.0	197.0	190.0	124.0	104.0	73.0	3.7	4.0
South Carolina	134.0	117.0	44.0	30.0	90.0	87.0	1.6	1.5
Tennessee	230.0	219.0	184.0	175.0	46.0	44.0	2.2	2.3
Texas	2,852.0	2,088.0	1,378.0	995.0	1,474.0	1,093.0	40.7	41.6
Virginia	52.0	51.0	.....	.....	52.0	51.0	0.5	0.6
United States	6,422.0	5,631.0	3,059.0	2,435.0	3,363.0	3,196.0	76.6	79.5

[1] Included in "other" farm disposition. Seed for planting is produced in crop year shown, but used in the following year. [2] Includes planting seed, feed, exports, inter-farm sales, shrinkage, losses, and other uses.
NASS, Crops Branch, (202) 720–2127.

Table 3-3.—Cottonseed: Marketing year average price per ton and value of production, by State and United States, crop of 2016–2018

State	Marketing year average price per ton			Value of production		
	2016	2017	2018 [1]	2016	2017	2018 [1]
	Dollars	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Alabama	176.00	118.00	117.00	36,432	24,072	29,601
Arizona	241.00	183.00	201.00	33,258	31,293	31,557
Arkansas	209.00	152.00	153.00	57,475	53,352	57,987
California	276.00	226.00	264.00	77,556	72,998	89,496
Florida	157.00	100.00	110.00	8,635	4,400	3,740
Georgia	167.00	116.00	112.00	102,872	74,008	61,488
Kansas	(D)	170.00	175.00	(D)	9,860	18,550
Louisiana	203.00	160.00	146.00	17,458	20,320	19,126
Mississippi	194.00	156.00	156.00	67,512	67,392	71,448
Missouri	212.00	152.00	154.00	41,976	38,760	45,892
New Mexico	238.00	164.00	200.00	7,854	6,560	8,000
North Carolina	184.00	118.00	127.00	18,216	25,606	26,035
Oklahoma	172.00	116.00	140.00	33,024	34,104	32,480
South Carolina	175.00	133.00	122.00	10,498	16,685	15,860
Tennessee	211.00	137.00	143.00	40,301	31,510	36,894
Texas	194.00	138.00	157.00	490,432	393,576	341,00
Virginia	(D)	121.00	130.00	(D)	6,292	6,890
Other States [2]	206.00	146.00	.....	10,498	17,822	.....
United States	195.00	142.00	152.00	1,055,924	911,925	896,048

(D) Withheld to avoid disclosing data for individual operations. [1] Based on monthly prices received from August 1, 2018 - December 31, 2018. [2] Includes data withheld above.
NASS, Crops Branch, (202) 720–2127.

Table 3-4.—Cottonseed: Crushings, output of products and product prices, United States, 2009–2018

Year beginning August	Quantity crushed	Cottonseed products and prices			
		Oil		Cake and meal	
		Quantity	Price [1]	Quantity	Price [2]
	1,000 tons	*Million pounds*	*Cents per pound*	*1,000 tons*	*Dollars per ton*
2009	1,901	617	40.27	883	220.90
2010	2,563	835	54.50	1,163	273.84
2011	2,400	755	53.22	1,090	275.13
2012	2,500	800	48.60	1,125	331.52
2013	2,000	630	60.66	900	377.51
2014	1,900	610	45.74	855	304.27
2015	1,500	465	45.87	705	261.19
2016	1,769	542	40.92	805	208.61
2017	1,854	561	31.87	845	260.88
2018	1,900	590	33.0-36.0	855	225-265

[1] Tanks, f.o.b. Valley Points. [2] 41 percent protein, solvent, Memphis.
ERS, Field Crops Branch, (202) 694–5300. Compiled from annual reports of the U.S. Department of Commerce.

Table 3-5.—International meal, cottonseed: Production in specified countries, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	1,000 metric tons	*1,000 metric tons*	*1,000 metric tons*
China	3,321	4,116	4,116
India	3,787	4,301	3,974
Brazil	995	1,310	1,763
Pakistan	1,349	1,465	1,420
United States	731	766	767
Turkey	572	710	732
Uzbekistan	628	651	563
Australia	338	386	328
Mexico	150	245	263
Mali	158	167	172
Benin	98	145	166
Turkmenistan	205	205	144
Burma	130	141	134
European Union	103	130	130
Burkina	111	116	106

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-6.—Cottonseed, Cottonseed oil, and cottonseed cake and meal: United States exports by country of destination, 2016–2018

Country of destination	2016	2017	2018
	Metric tons	*Metric tons*	*Metric tons*
Cottonseed:			
Korea, South	39,268	123,769	131,097
Mexico	99,730	120,085	95,329
Saudi Arabia	45,071	77,740	82,694
Japan	13,337	53,872	63,678
United Arab Emirates	695	6,784	11,432
Morocco	400	4,228	6,194
Qatar	0	1,259	4,872
Canada	742	2,477	3,366
China	0	0	2,330
Jordan	381	1,740	1,576
Oman	576	1,292	1,145
Indonesia	0	988	894
Bangladesh	0	519	824
Italy(*)	0	686	745
United Kingdom	0	0	744
Lebanon	0	302	639
Philippines	0	0	420
Taiwan	0	258	325
Vietnam	0	0	50
Colombia	17	8	6
Trinidad and Tobago	7	1	5
Ireland	0	0	3
Panama	5	0	1
Guatemala	7	0	1
Costa Rica	42	19	0
World Total	200,278	396,075	408,369
Cottonseed oil:			
Mexico	19,599	22,013	17,089
Australia(*)	1,872	4,347	9,742
Malaysia	201	7,350	8,100
Canada	3,474	5,141	6,230
Libya	0	0	5,440
Egypt	0	0	3,150
India	101	261	1,857
South Africa	3,929	0	1,159
Japan	474	591	1,101
Singapore	1	467	326
Thailand	0	59	108
Portugal	127	133	71
Brazil	37	32	65
Belgium-Luxembourg(*)	0	0	56
Korea, South	512	0	43
Argentina	0	8	38
Chile	1	0	29
Hungary	0	0	26
Turkey	1	29	20
United Kingdom	64	0	9
Bahamas, The	4	2	5
Costa Rica	19	0	2
Colombia	0	0	1
Germany(*)	0	0	1
United Arab Emirates	27	24	0
Belize	0	5	0
Guatemala	311	207	0
World Total	30,837	41,770	54,667

(*) Denotes a country that is a summarization of its component countries.
FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data

Table 3-7.—International oilseed, cottonseed: Area and production in specified countries, 2016/2017–2018/2019

Country	Area			Production		
	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019
	1,000 hectares			*1,000 metric tons*		
India	10,850	12,450	12,250	11,463	12,312	11,038
China	2,900	3,400	3,500	8,800	10,800	10,875
United States	3,848	4,492	4,130	4,871	5,826	5,108
Brazil	940	1,175	1,595	2,298	3,019	4,191
Pakistan	2,500	2,700	2,400	3,336	3,552	3,336
Turkey	400	470	520	1,050	1,300	1,350
Uzbekistan	1,180	1,250	1,100	1,400	1,512	1,293
Australia	580	530	300	1,250	1,442	721
Mexico	104	210	238	260	530	574
European Union	273	295	312	418	487	550
Benin	420	530	650	284	376	463
Argentina	240	320	380	278	277	414
Mali	655	705	720	351	396	356
Turkmenistan	545	545	545	518	525	356
Cameroon	225	225	250	235	250	300
Burma	244	249	240	285	310	295
Sudan	96	180	180	185	243	255
Burkina	700	850	640	362	331	254
Cote d'Ivoire	345	327	392	172	215	234
Tanzania	400	350	500	85	101	186
Tajikistan	165	185	180	168	180	176
Egypt	55	91	141	52	91	152
Azerbaijan	52	130	130	59	133	148
Kazakhstan	115	125	128	112	117	129
Togo	135	160	185	91	100	109
Uganda	73	80	75	109	153	105
Nigeria	275	270	270	99	102	102

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-8.—International oil, cottonseed: Production in specified countries, 2016/2017–2018/2019 [1]

Country	2016/2017	2017/2018	2018/2019
	1,000 metric tons		
China	1,115	1,382	1,382
India	1,166	1,325	1,225
Brazil	336	440	592
Pakistan	445	484	468
Turkey	187	232	239
United States	246	255	238
Uzbekistan	222	230	199
Australia	117	133	113
Mexico	57	93	100
Mali	53	58	61
Benin	33	48	56
Turkmenistan	77	77	54
Burma	46	50	48
European Union	35	44	44
Burkina	34	36	33
Cameroon	27	28	30
Egypt	8	14	23
Tajikistan	20	21	23
Sudan	14	18	21
Tanzania	11	13	21
Kazakhstan	18	19	20
Korea, South	24	20	20
Argentina	9	16	18
South Africa	6	14	17

[1] Year beginning July 1.

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-9.—Flaxseed: Area, yield, production, disposition, and value, United States, 2009–2018

Year	Area planted	Area harvested	Yield per harvested acre	Production	Marketing year average price per bushel received by farmers	Value of production
	1,000 acres	*1,000 acres*	*Bushels*	*1,000 bushels*	*Dollars*	*1,000 dollars*
2009	317	314	23.6	7,423	8.15	60,373
2010	421	418	21.7	9,056	12.20	110,251
2011	178	173	16.1	2,791	13.90	38,570
2012	349	336	17.3	5,798	13.80	79,919
2013	181	172	19.5	3,356	13.80	46,325
2014	311	302	21.1	6,368	11.80	75,077
2015	463	456	22.1	10,095	8.95	90,561
2016	374	366	23.7	8,656	8.00	69,352
2017	303	272	14.1	3,842	9.53	36,340
2018	208	198	22.6	4,466	9.75	43,072

NASS, Crops Branch, (202) 720–2127.

Table 3-10.—Flaxseed: Area, yield, and production, by State and United States, 2016–2018

State	Area planted			Area harvested		
	2016	2017	2018	2016	2018	2017
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*
Montana	29	52	39	28	38	37
North Dakota	335	245	165	329	229	158
South Dakota	10	6	4	9	5	3
United States	374	303	208	366	272	198
State	Yield per harvested acre			Production		
	2016	2017	2018	2016	2017	2018
	Bushels	*Bushels*	*Bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*
Montana	22.0	9.0	17.0	616	342	629
North Dakota	24.0	15.0	24.0	7,896	3,435	3,792
South Dakota	16.0	13.0	15.0	144	65	45
United States	23.7	14.1	22.6	8,656	3,842	4,466

NASS, Crops Branch, (202) 720–2127.

Table 3-11.—Flaxseed: Marketing year average price and value of production, by State and United States, 2016–2018

State	Marketing year average price per bushel			Value of production		
	2016	2017	2018	2016	2017	2018
	Dollars	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Montana	8.04	8.73	9.00	4,953	2,986	5,661
North Dakota	8.00	9.53	9.75	63,168	32,736	36,972
South Dakota	8.55	9.50	9.75	1,231	618	439
United States	8.00	9.53	9.75	69,352	36,340	43,072

NASS, Crops Branch, (202) 720–2127.

Table 3-12.—Flaxseed: Support operations, United States, 2012–2018

Marketin year beginning June 1	Income support payment rates per bushels [1]	Program price levels per bushel		Put under loan		Acquired by CCC under loan program [4]	Owned by CCC at end of marketing year
		Loan [2]	Target/ Reference [3]	Quantity	Percentage of production		
	Dollars	*Dollars*	*Dollars*	*1,000 bushels*	*Percent*	*1,000 bushels*	*1,000 bushels*
2012/2013	0.45/0.00	5.65	7.10	26.8	0.5	0	0
2013/2014	0.45/0.00	5.65	7.10	10.7	0.3	0	0
2014/2015	0.00	5.65	11.28	37.5	0.6	0	0
2015/2016	2.33	5.65	11.28	269.6	2.7	0	0
2016/2017	3.28	5.65	11.28	236.1	2.7	0	0
2017/2018	1.75	5.65	11.28	76.8	1.9	0	0
2018/2019	1.47	5.65	11.28	81.4	1.8	0	0

[1] The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage payment rate. For 2017/2018, projected PLC payment rate is based on March 2018 WASDE MY price. Agricultural Risk Coverage (ARC) is also available, but payment rates are established at the county or farm levels. [2] For 2009/2010-2013/2014, producers who participated in the ACRE program get a 30 percent reduction in their loan rate, not calculated in this table. [3] Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. [4] Acquisitions as of September 30, 2019.

FPAC-BC, Commodity Analysis Branch.

Table 3-13.—Flaxseed: Supply and disappearance, United States, 2009–2018

Year beginning June	Supply				Disappearance			
	Stocks June 1	Production	Imports	Total	Total used for seed	Exports	Crushings [1]	Total domestic disappearance [2]
	1,000 bushels	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*
2009	2,552	7,423	6,283	16,258	341	1,752	12,000	14,701
2010	1,557	9,056	6,040	16,653	144	2,130	11,635	14,483
2011	2,170	2,791	8,286	13,247	279	654	10,500	12,127
2012	1,120	5,798	6,928	13,846	147	1,020	11,000	12,922
2013	924	3,356	6,759	11,039	252	599	8,700	10,276
2014	763	6,368	7,464	14,595	375	528	11,850	13,787
2015	808	10,095	4,481	15,339	303	870	10,700	12,425
2016	2,914	8,656	3,091	14,661	245	1,332	10,500	12,491
2017	2,170	3,842	5,125	11,137	168	480	9,000	10,337
2018 [3]	1,629	4,466	5,524	11,619	162	335	9,300	10,819

[1] From domestic and imported seed. [2] Total supply minus exports and stocks June 1 of following year. [3] Forecast.

ERS, Field Crops Branch, (202) 694–5300.

Table 3-14.—Flaxseed and linseed oil and meal: Average price Minneapolis, 2009–2018

Year	Average price received by farmers per bushel	Minneapolis	
		Oil, per pound [1]	Linseed meal, per ton [2]
	Dollars	*Cents*	*Dollars*
2009	8.15	86.52	217.24
2010	12.20	67.49	223.23
2011	13.90	(NA)	238.35
2012	13.80	(NA)	320.13
2013	13.80	(NA)	359.42
2014	11.80	(NA)	263.90
2015	8.95	(NA)	234.78
2016	8.00	(NA)	313.17
2017	9.53	(NA)	236.92
2018 [3]	9.25-10.25	(NA)	195-235

(NA) Not available. [1] Raw oil in tank cars. [2] Bulk carlots, 34 percent protein. [3] Forecast.
ERS, Field Crops Branch, (202) 694–5300.

Table 3-15.—Flaxseed crushed; production, imports, and exports of linseed oil, cake, and meal; and June 1 stocks of oil, United States, 2009–2018

Year beginning June	Total flaxseed crushed	Linseed oil			Linseed cake and meal		
		Stocks June 1	Production	Exports	Production	Imports for consumption	Exports
	1,000 bushels	*Million pounds*	*Million pounds*	*Million pounds*	*1,000 tons*	*1,000 tons*	*1,000 tons*
2009	12,000	73	234	103	216	3	10
2010	11,635	37	227	101	209	7	7
2011	10,500	38	205	89	189	8	3
2012	11,000	35	215	94	198	6	5
2013	8,700	35	170	58	157	1	6
2014	11,850	35	231	52	213	3	4
2015	10,700	35	209	17	193	7	4
2016	10,500	35	205	15	189	6	5
2017	9,000	35	176	14	162	7	3
2018 [1]	9,300	35	181	23	167	10	4

[1] Forecast.
ERS, Field Crops Branch, (202) 694–5300.

Table 3-16.—Peanuts: Area, yield, production, disposition, marketing year average price per pound received by farmers, and value, United States, 2009–2018

Year	Area planted	Peanuts for nuts				
		Area harvested	Yield per acre	Production [1]	Marketing year average price	Value of production
	1,000 acres	*1,000 acres*	*Pounds*	*1,000 pounds*	*Cents*	*1,000 dollars*
2009	1,116.0	1,079.0	3,421	3,691,650	24.0	793,147
2010	1,288.0	1,255.0	3,312	4,156,840	21.0	938,611
2011	1,140.6	1,080.6	3,386	3,658,590	25.0	1,168,587
2012	1,638.0	1,604.0	4,211	6,753,880	34.0	2,026,326
2013	1,067.0	1,043.0	4,001	4,173,170	27.0	1,055,095
2014	1,353.5	1,322.5	3,923	5,188,665	23.0	1,158,251
2015	1,625.0	1,560.9	3,845	6,001,357	21.3	1,160,560
2016	1,671.0	1,536.0	3,634	5,581,570	19.7	1,088,165
2017	1,871.6	1,775.6	4,074	7,115,410	21.0	1,634,017
2018	1,425.5	1,368.5	3,991	5,461,600	21.5	1,155,709

[1] Estimates comprised of quota and non-quota peanuts.
NASS, Crops Branch, (202) 720–2127.

Table 3-17.—Peanuts, farmer stock: Stocks, production, and quantity milled, United States, 2009–2018

Year beginning August	Stocks Aug. 1 [1]	Production harvested for nuts [1]	Imports	Total supply	Milled [1 2]
	1,000 pounds	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*
2009	1,359,950	3,691,650	1,243	5,052,843	3,930,088
2010	991,394	4,156,840	163	5,148,397	3,976,460
2011	769,016	3,658,590	1,299	4,428,905	3,949,494
2012	272,838	6,753,880	3,117	7,029,835	4,979,182
2013	1,924,996	4,173,170	169	6,098,335	4,955,484
2014	1,059,524	5,188,665	7	6,248,196	4,775,454
2015	1,445,310	6,001,357	287	7,446,954	4,998,028
2016	1,051,096	5,581,570	113	6,632,779	4,699,164
2017	732,966	7,115,410	171	7,966,566	4,448,304
2018	1,916,798	5,461,600	107	7,378,398	4,498,876

[1] Net weight basis. [2] Includes peanuts milled for seed.
NASS, Crops Branch, (202) 720–2127, ERS, and Foreign trade from the Bureau of the Census.

Table 3-18.—Peanuts: Crushings, and oil and meal stocks, production, and foreign trade, United States, 2009–2018

Year beginning August	Peanuts crushed (shelled basis)	Peanut oil				Peanut cake and meal	
		Stocks Aug. 1 [1]	Production of crude	Imports	Exports [2]	Stocks Aug. 1 [3]	Production
	1,000 pounds	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*
2009	326,779	4,491	139,903	73,184	10,764	3,792	185,452
2010	441,017	6,888	190,110	60,012	15,923	7,045	250,043
2011	453,835	6,836	188,479	28,290	15,646	9,959	250,037
2012	493,835	2,478	210,702	10,360	12,598	10,446	270,328
2013	497,272	(NA)	209,808	55,265	8,940	(NA)	268,554
2014	506,677	(NA)	214,041	30,174	18,840	(NA)	278,380
2015	531,770	2,667	226,219	93,314	10,253	3,197	291,193
2016	659,966	4,868	283,689	40,446	12,148	5,460	357,751
2017	528,750	10,646	231,748	71,354	10,943	8,750	282,346
2018	486,398	9,250	219,334	58,844	9,384	4,552	255,683

(NA) Not available. [1] Crude plus refined. [2] Reported as edible peanut oil and crude peanut oil; in this tabulation added without converting. [3] Holding at producing mills only.
NASS, Crops Branch, (202) 720–2127, ERS, and Foreign trade from the Bureau of the Census.

Table 3-19.—Cleaned peanuts (roasting stock): Supply and disposition, United States, 2009–2018

Year beginning August	Supply				Disposition		
	Stocks Aug. 1	Production	Imports	Total	Exports	Domestic disappearance	
						Total	Per capita
	1,000 pounds	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*Pounds*
2009	60,487	257,414	1,243	319,144	55,430	210,785	0.69
2010	52,929	268,956	163	322,048	78,693	184,385	0.60
2011	58,970	226,481	1,299	286,750	66,819	179,965	0.58
2012	39,966	323,731	3,117	366,814	194,821	100,098	0.32
2013	71,895	323,607	169	395,671	143,921	178,597	0.56
2014	73,153	248,170	7	321,330	168,504	112,491	0.35
2015	40,335	251,484	287	292,106	418,066	(157,559)	(0.49)
2016	31,599	230,537	113	262,249	183,423	46,348	0.14
2017	32,478	225,475	171	257,953	159,790	43,054	0.13
2018	55,533	188,223	107	243,756	140,540	47,683	0.14

NASS, Crops Branch, (202) 720–2127, ERS, and Foreign trade from the Bureau of the Census.

Table 3-20.—Shelled peanuts (all grades): Supply, exports, and quantity crushed, United States, 2009–2018

Year beginning August	Supply						Exports	Crushed
	Stocks Aug. 1		Production		Imports	Total		
	Edible	Oil stock	Edible	Oil stock				
	1,000 pounds	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*
2009	511,261	22,320	2,547,434	280,888	49,454	3,411,357	402,732	326,779
2010	554,295	35,498	2,450,639	357,130	46,031	3,443,593	395,554	441,017
2011	473,878	43,380	2,399,094	345,565	163,852	3,425,769	352,994	453,835
2012	466,310	52,883	3,125,786	351,284	72,871	4,069,134	741,109	493,205
2013	547,965	33,883	3,098,392	373,008	60,760	4,114,008	708,391	497,272
2014	519,824	25,364	2,997,078	391,728	64,342	3,998,336	675,930	506,677
2015	431,674	31,012	3,141,099	442,650	62,620	4,109,055	839,203	531,770
2016	467,139	65,350	2,944,760	448,377	112,152	4,037,778	851,628	659,966
2017	482,010	26,372	2,853,147	358,282	122,653	3,842,464	810,359	528,750
2018	535,730	24,232	2,932,229	368,168	78,396	3,938,755	784,553	486,398

NASS, Crops Branch, (202) 720–2127, ERS, and Foreign trade from the U.S. Bureau of the Census.

Table 3-21.—Peanuts: Shelled (raw basis) by types, used in primary products and apparent disappearance of peanuts, United States, 2009–2018

Type and year beginning August	Edible grades used in products					Apparent disappearance [2]
	Peanut butter [1]	Peanut snack	Peanut candy	Other products	Total	
	1,000 pounds	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*
Virginia and Valencia:						
2009	[3]	50,812	17,361	[3]	198,497	.....
2010	[3]	62,708	16,070	[3]	211,194	.....
2011	[3]	78,333	17,856	[3]	203,958	.....
2012	82,981	83,722	17,731	8,452	192,888	.....
2013	86,759	85,298	17,109	13,373	202,536	.....
2014	102,340	91,909	12,079	26,440	232,768	.....
2015	108,156	89,766	14,319	26,258	238,494	.....
2016	118,109	92,331	13,427	23,606	247,473	.....
2017	129,823	84,479	15,455	28,998	258,754	.....
2018	120,939	81,418	15,589	18,753	236,696	.....
Runner:						
2009	1,056,699	290,358	286,277	13,120	1,646,454	.....
2010	1,076,521	319,529	365,260	13,036	1,774,346	.....
2011	1,091,541	303,631	360,797	14,840	1,770,809	.....
2012	1,143,108	309,860	347,428	12,195	1,812,591	.....
2013	1,128,206	337,934	[3]	[3]	1,844,490	.....
2014	1,196,277	329,930	348,367	26,737	1,901,311	.....
2015	1,186,810	408,726	346,831	35,128	1,977,495	.....
2016	1,215,212	370,766	379,549	33,156	1,998,683	.....
2017	1,179,186	434,139	346,985	66,943	2,027,254	.....
2018	1,213,018	380,165	349,081	93,897	2,036,161	.....
Spanish:						
2009	[3]	11,793	11,957	[3]	31,269	.....
2010	[3]	12,940	14,122	[3]	35,207	.....
2011	[3]	8,104	16,025	[3]	27,390	.....
2012	[3]	6,847	16,755	[3]	25,389	.....
2013	[3]	6,564	15,996	[3]	[3]	.....
2014	[3]	6,638	15,410	[3]	27,188	.....
2015	[3]	7,200	16,355	[3]	28,225	.....
2016	[3]	7,195	14,725	[3]	26,801	.....
2017	[3]	6,227	17,064	[3]	28,851	.....
2018	[3]	6,093	16,266	[3]	30,840	.....
All types:						
2009	1,191,821	352,963	315,595	15,840	1,876,219	2,682,110
2010	1,213,229	395,177	395,452	16,890	2,020,748	2,880,304
2011	1,197,748	390,068	394,678	19,661	2,002,155	2,742,724
2012	1,227,859	400,429	381,914	20,664	2,030,866	3,417,047
2013	1,218,170	429,796	395,726	29,103	2,072,795	3,508,060
2014	1,303,755	428,477	375,856	53,179	2,161,267	3,471,308
2015	1,299,634	505,692	377,505	61,388	2,244,219	3,513,946
2016	1,338,195	470,292	407,701	56,769	2,272,957	3,417,244
2017	1,314,567	524,845	379,504	95,943	2,843,609	3,159,849
2018	1,342,437	467,676	380,936	112,651	2,790,098	3,296,059

[1] Excludes peanut butter made by manufacturers for own use in candy. Includes peanut butter used in spreads, sandwiches, and cookies. [2] Apparent disappearance represents stocks beginning of year plus production, minus stocks at end of year. Includes edible grades and oilstocks. [3] Not published to avoid disclosure of individual operations.

NASS, Crops Branch, (202) 720–2127, and ERS.

Table 3-22.—Peanuts: Area, yield, and production, by State and United States, 2016–2018

State	Area planted			Peanuts for nuts		
	2016	2017	2018	Area harvested		
				2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*
Alabama	175.0	195.0	165.0	172.0	193.0	162.0
Arkansas	24.0	30.0	26.0	23.0	29.0	23.0
Florida	155.0	195.0	155.0	146.0	185.0	140.0
Georgia	720.0	835.0	665.0	706.0	825.0	650.0
Mississippi	39.0	44.0	25.0	38.0	43.0	24.0
New Mexico	8.0	7.6	5.5	8.0	7.6	5.5
North Carolina	101.0	119.0	102.0	99.0	117.0	98.0
Oklahoma	13.0	22.0	16.0	12.0	21.0	15.0
South Carolina	110.0	122.0	87.0	106.0	118.0	82.0
Texas	305.0	275.0	155.0	205.0	210.0	145.0
Virginia	21.0	27.0	24.0	21.0	27.0	24.0
United States	1,671.0	1,871.6	1,425.5	1,536.0	1,775.6	1,368.5

State	Peanuts for nuts					
	Yield per harvested acre			Production		
	2016	2017	2018	2016	2017	2018
	Pounds	*Pounds*	*Pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*
Alabama	3,600	3,650	3,400	619,200	704,450	550,800
Arkansas	4,800	5,300	5,000	110,400	153,700	115,000
Florida	3,800	3,450	3,600	554,800	638,250	504,000
Georgia	3,900	4,330	4,450	2,753,400	3,572,250	2,892,500
Mississippi	4,000	4,000	4,000	152,000	172,000	96,000
New Mexico	2,800	3,500	3,000	22,400	26,600	16,500
North Carolina	3,530	4,100	3,900	349,470	479,700	382,200
Oklahoma	3,700	3,780	3,100	44,400	79,380	46,500
South Carolina	3,200	4,000	3,400	339,200	472,000	278,800
Texas	2,730	3,320	3,300	559,650	697,200	478,500
Virginia	3,650	4,550	4,200	76,650	122,850	100,800
United States	3,634	4,007	3,991	5,581,570	7,115,410	5,461,600

NASS, Crops Branch, (202) 720–2127.

Table 3-23.—Peanuts: Marketing year average price, and value of production, by State and United States, 2016–2018

State	Marketing year average price per pound			Value of production		
	2016	2017	2018	2016	2017	2018
	Dollars	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Alabama	0.197	0.221	.208	121,982	155,683	118,422
Arkansas	0.185	0.212	.190	20,424	32,277	22,195
Florida	0.193	0.229	.207	107,076	146,159	107,856
Georgia	0.186	0.221	.205	512,132	789,467	578,500
Mississippi	0.182	0.206	.202	27,664	35,432	19,584
New Mexico	0.200	0.289	.292	4,480	7,687	4,901
North Carolina	0.213	0.237	.230	74,437	113,689	90,581
Oklahoma	0.211	0.250	.234	9,368	19,845	11,067
South Carolina	0.192	0.224	.217	65,126	105,728	60,500
Texas	0.232	0.286	.275	129,839	199,399	119,625
Virginia	0.204	0.239	.221	15,637	28,651	22,478
United States	0.197	0.229	.215	1,088,165	1,634,017	1,155,709

NASS, Crops Branch, (202) 720–2127.

Table 3-24.—Peanuts, farmer's stock: Support operations, United States, 2012–2018

Marketing year beginning August 1	Income support payment rates per short ton [1]	Program price levels per short ton		Put under support		Acquired by CCC under loan program	Owned by CCC at end of marketing year
		Loan [2]	Target/ Reference [3]	Quantity	Percentage of production		
	Dollars	*Dollars*	*Dollars*	*1,000 short tons*	*Percent*	*1,000 short tons*	*1,000 short tons*
2012/2013	36.00/0.00	355.00	495.00	2,640	78.2	55.9	0.0
2013/2014	36.00/0.00	355.00	495.00	1,452	69.6	6.1	2.5
2014/2015	95.00	355.00	535.00	2,123	81.8	173.2	6.8
2015/2016	149.00	355.00	535.00	2,233	74.4	0.0	0.0
2016/2017	141.00	355.00	535.00	2,270	79.9	39.1	0.0
2017/2018	77.00	355.00	535.00	2,735	75.6	121.7	0.0
2018/2019	105.00	355.00	535.00	2,340	85.7	42.0	0.0

[1] The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. The 2014 Act eliminated direct payments and replaced the counter-cyclical rate with a new reference price. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage payment rate. For 2017/2018, projected PLC payment rate is based on March 2018 WASDE MY price. Agricultural Risk Coverage (ARC) is also available, but payment rates are established at the county or farm levels. [2] For 2009/2010-2013/2014, producers who participate in the ACRE program get a 30 percent reduction in their loan rate, not calculated in this table. [3] Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. [4] Acquisitions as of September 30, 2019.
FPAC-BC, Commodity Analysis Branch.

Table 3-25.—International oilseed, peanut: Area and production in specified countries, 2016/2017–2018/2019

Country	Area			Production		
	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019
	1,000 hectares			*1,000 metric tons*		
China	4,448	4,608	4,560	16,361	17,092	17,000
India	5,339	4,925	4,700	6,924	6,650	4,700
Nigeria	2,680	2,820	2,820	3,582	4,248	4,422
Sudan	2,315	2,215	3,065	1,826	1,648	2,884
United States	622	719	554	2,532	3,228	2,477
Senegal	1,151	1,254	1,250	945	1,412	1,450
Burma	885	885	885	1,375	1,375	1,375
Argentina	324	382	320	1,288	867	1,246
Tanzania	1,000	1,000	1,000	1,100	1,100	1,100
Indonesia	600	580	570	1,120	1,075	1,025
Chad	791	768	770	871	870	890
Guinea	670	670	680	535	696	770
Cameroon	454	430	430	748	600	600
Niger	771	922	925	454	462	592
Ghana	336	338	335	417	434	520

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-26.—International meal, peanut: Production in specified countries, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	1,000 metric tons		
China	3,380	3,580	3,490
India	1,596	1,638	1,323
Burma	325	325	325
Sudan	259	259	268
Nigeria	245	245	245
Tanzania	170	170	170
Argentina	122	117	120
United States	162	128	118
Burkina	90	90	90
Senegal	54	76	90
Chad	84	84	84
Brazil	66	73	62
Cameroon	57	57	57
Niger	54	54	54
Congo (Kinshasa)	50	50	50

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-27.—Soybeans: Area, yield, production, and value, United States, 2009–2018

Year	Area planted	Soybeans for beans				
		Area harvested	Yield per acre	Production	Marketing year average price per bushel received by farmers	Value of production
	1,000 acres	*1,000 acres*	*Bushels*	*1,000 bushels*	*Dollars*	*1,000 dollars*
2009	77,451	76,372	44.0	3,360,931	9.59	32,163,204
2010	77,404	76,610	43.5	3,331,306	11.30	37,571,277
2011	75,046	73,776	42.0	3,097,179	12.50	38,542,177
2012	77,198	76,144	40.0	3,042,044	14.40	43,723,144
2013	76,820	76,233	44.0	3,357,004	13.00	43,570,161
2014	83,296	82,611	47.5	3,928,070	10.10	39,484,465
2015	82,660	81,742	48.0	3,926,779	8.95	35,195,882
2016	83,453	82,706	51.9	4,296,496	9.47	40,694,573
2017	90,142	89,542	49.3	4,411,633	9.33	41,308,740
2018	89,196	88,110	51.6	4,543,883	8.60	39,133,978

NASS, Crops Branch, (202) 720–2127.

Table 3-28.—Soybeans: Stocks on and off farms, United States, 2009–2018

Year beginning previous December	On farms				Off farms [1]			
	Dec. 1	Mar. 1	June 1	Sep. 1 [2]	Dec. 1	Mar. 1	June 1	Sep. 1 [2]
	1,000 bushels	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*
2009	1,229,500	656,500	226,300	35,100	1,109,050	645,289	369,859	103,098
2010	1,091,000	609,200	232,600	35,400	1,187,084	660,868	338,523	115,485
2011	1,139,000	505,000	217,700	48,500	1,230,885	743,800	401,583	166,513
2012	910,000	555,000	179,000	38,250	1,056,161	819,488	488,465	131,120
2013	955,000	456,700	171,100	39,550	1,198,621	541,320	263,564	101,007
2014	1,218,000	381,900	109,100	21,325	1,309,744	611,928	295,945	70,666
2015	1,308,500	609,200	246,300	49,700	1,405,577	717,399	380,768	140,910
2016	1,335,000	727,500	281,300	41,560	1,564,056	803,406	590,481	155,169
2017	1,485,000	668,500	332,500	87,900	1,675,679	1,070,433	633,356	213,695
2018	1,935,000	855,000	377,000	101,000	1,810,824	1,254,303	842,329	337,105

[1] Includes stocks at mills, elevators, warehouses, terminals, and processors. [2] Old crop only.
NASS, Crops Branch, (202) 720–2127.

Table 3-29.—Soybeans, soybean meal, and oil: Average price at specified markets, 2009–2018

Year [1]	Soybeans per bushel: No. 1 Yellow Chicago	Soybean oil per pound crude, tanks, f.o.b. Decatur	Soybean meal per short ton: 48 percent protein Decatur
	Dollars	*Cents*	*Dollars*
2009	9.91	35.95	311.27
2010	13.14	53.20	345.52
2011	13.49	51.90	393.53
2012	14.86	47.13	468.11
2013	13.51	38.23	489.94
2014	9.84	31.60	368.49
2015	9.54	29.86	324.56
2016	9.77	32.55	316.88
2017	9.53	30.04	345.02
2018 [2]	8.89	28.5-31.5	295-335

[1] Year beginning September for soybeans and October for oil and meal. [2] Forecast.
ERS, Field Crops Branch, (202) 694–5300.

Table 3-30.—Soybeans: Supply and disappearance, United States, 2008–2017

Year beginning September	Supply				
	Stocks by position			Production	Total [1]
	On-Farm, Sep 1	Terminal market, interior mill, elevator, and warehouse	Beginning, Sep-Nov		
	1,000 bushels	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*
2008	47,000	158,034	205,034	2,967,007	3,185,304
2009	35,100	103,098	138,198	3,360,931	3,513,717
2010	35,400	115,485	150,885	3,331,306	3,496,640
2011	48,500	166,513	215,013	3,097,179	3,328,324
2012	38,250	131,120	169,370	3,042,044	3,251,930
2013	39,550	101,007	140,557	3,357,004	3,569,338
2014	21,325	70,666	91,991	3,928,070	4,053,306
2015	49,700	140,910	190,610	3,926,779	4,140,930
2016	41,560	155,169	196,729	4,296,496	4,515,506
2017	87,900	213,695	301,595	4,411,633	4,735,050

Year beginning September	Disappearance			
	Crushed [2]	Seed, feed and residual	Exports	Total
	1,000 bushels	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*
2008	1,661,922	105,890	1,279,294	3,047,106
2009	1,751,686	112,098	1,499,048	3,362,832
2010	1,648,043	128,607	1,504,978	3,281,627
2011	1,703,019	90,684	1,365,251	3,158,954
2012	1,688,903	94,944	1,327,526	3,111,373
2013	1,733,888	104,900	1,638,559	3,477,347
2014	1,873,494	146,779	1,842,423	3,862,696
2015	1,886,237	115,325	1,942,639	3,944,201
2016	1,901,198	146,296	2,166,417	4,213,911
2017	2,054,932	551,017	2,129,101	4,735,050

[1] Includes imports. [2] Reported by the U.S. Department of Commerce.
ERS, Field Crops Branch, (202) 694–5300.

Table 3-31.—Soybeans: Support operations, United States, 2012–2018

Marketing year beginning September 1	Income support payment rates per bushels [1]	Program price levels per bushel		Put under loan		Acquired by CCC under loan program [4]	Owned by CCC at end of marketing year
		Loan [2]	Target/ Reference [3]	Quantity	Percentage of production		
	Dollars	*Dollars*	*Dollars*	*Million bushels*	*Percent*	*Million bushels*	*Million bushels*
2012/2013	0.44/0.00	5.00	6.00	58	1.9	0	0
2013/2014	0.44/0.00	5.00	6.00	49	1.5	0	0
2014/2015	0.00	5.00	8.40	80	2.0	0	0
2015/2016	0.00	5.00	8.40	124	3.2	0	0
2016/2017	0.00	5.00	8.40	105	2.4	0	0
2017/2018	0.00	5.00	8.40	145	3.3	0	0
2018/2019	0.00	5.00	8.40	218	4.8	0	0

[1] The first entry is the direct payment rate and the second entry is the counter-cyclical payment rate for 2004/2005-2013/2014. For 2009/2010-2013/2014, producers who participated in the Average Crop Revenue (ACRE) program got a 20 percent reduction in their direct payment, not calculated in this table. For 2014/2015 and after, the entry is the price loss coverage (PLC) payment rate. For 2017/2018, projected PLC payment rate is based on March 2018 WASDE MY price. Agricultural Risk Coverage (ARC) is also available, but payment rates are established at the county or farm levels. [2] For 2009/2010-2013/2014, producers who participated in the ACRE program got a 30 percent reduction in their loan rate, not calculated in this table. [3] Target applies to 2003/2004-2013/2014 and Reference applies beginning with 2014/2015. [4] Acquisitions as of September 30, 2019.
FPAC-BC, Commodity Analysis Branch.

Table 3-32.—Soybeans for beans: Area, yield, and production, by State and United States, 2016–2018

State	Area planted			Area harvested		
	2016	2017	2018	2016	2017	2016
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*
Alabama	420	350	345	410	345	340
Arkansas	3,130	3,530	3,280	3,090	3,500	3,240
Delaware	165	160	170	163	158	168
Florida	31	15	18	29	14	12
Georgia	260	155	145	240	150	135
Illinois	10,100	10,600	10,800	10,050	10,550	10,750
Indiana	5,650	5,950	5,950	5,630	5,940	5,920
Iowa	9,500	10,000	10,000	9,440	9,940	9,910
Kansas	4,050	5,150	4,750	4,010	5,110	4,700
Kentucky	1,790	1,950	2,000	1,780	1,940	1,990
Louisiana	1,230	1,270	1,340	1,190	1,250	1,200
Maryland	520	500	520	515	495	515
Michigan	2,070	2,280	2,300	2,060	2,270	2,280
Minnesota	7,550	8,150	7,800	7,490	8,090	7,710
Mississippi	2,040	2,190	2,230	2,020	2,170	2,190
Missouri	5,600	5,950	5,850	5,540	5,910	5,800
Nebraska	5,200	5,700	5,700	5,150	5,670	5,650
New Jersey	100	100	105	98	99	103
New York	330	270	330	320	265	320
North Carolina	1,690	1,700	1,650	1,660	1,690	1,570
North Dakota	6,050	7,100	6,900	5,990	7,050	6,860
Ohio	4,850	5,100	5,000	4,840	5,090	4,980
Oklahoma	485	655	630	470	640	600
Pennsylvania	600	610	640	595	605	630
South Carolina	420	400	390	405	390	375
South Dakota	5,200	5,650	5,650	5,170	5,610	5,580
Tennessee	1,660	1,690	1,700	1,630	1,660	1,670
Texas	165	210	175	145	185	135
Virginia	610	600	600	600	590	590
West Virginia	27	27	28	26	26	27
Wisconsin	1,960	2,150	2,200	1,950	2,140	2,160
United States	83,453	90,162	89,196	82,706	89,542	88,110

State	Yield per harvested acre			Production		
	2016	2017	2018	2016	2017	2018
	Bushels	*Bushels*	*Bushels*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*
Alabama	32.0	46.0	41.0	13,120	15,870	13,940
Arkansas	47.0	51.0	51.0	145,230	178,500	165,240
Delaware	41.5	51.0	42.0	6,765	8,058	7,056
Florida	36.0	34.0	38.0	1,044	476	456
Georgia	30.0	42.0	40.0	7,200	6,300	5,400
Illinois	59.0	58.0	65.0	592,950	611,900	698,750
Indiana	57.5	54.0	58.5	323,725	320,760	346,320
Iowa	60.0	57.0	57.0	566,400	566,580	564,870
Kansas	48.0	37.5	43.5	192,480	191,625	204,450
Kentucky	50.0	53.0	52.0	89,000	102,820	103,480
Louisiana	48.5	54.0	52.0	57,715	67,500	62,400
Maryland	41.5	51.0	47.5	21,373	25,245	24,463
Michigan	50.5	42.5	48.0	104,030	96,475	109,440
Minnesota	52.0	47.5	50.5	389,480	384,275	389,355
Mississippi	48.0	53.0	54.5	96,960	115,010	119,355
Missouri	49.0	49.5	45.0	271,460	292,545	261,000
Nebraska	61.0	57.5	59.0	314,150	326,025	333,350
New Jersey	36.0	45.0	40.0	3,528	4,455	4,120
New York	41.0	45.0	52.5	13,120	11,925	16,800
North Carolina	35.0	40.0	34.0	58,100	67,600	53,380
North Dakota	41.5	34.5	35.5	248,585	243,225	243,530
Ohio	54.5	49.5	58.0	263,780	251,955	288,840
Oklahoma	29.0	29.0	30.0	13,630	18,560	18,000
Pennsylvania	44.0	48.0	45.0	26,180	29,040	28,350
South Carolina	31.0	38.0	29.5	12,555	14,820	11,063
South Dakota	49.5	43.0	46.0	255,915	241,230	256,680
Tennessee	45.0	50.0	46.0	73,350	83,000	76,820
Texas	31.0	37.0	32.0	4,495	6,845	4,320
Virginia	36.0	44.0	43.0	21,600	25,960	25,370
West Virginia	51.0	54.0	53.5	1,326	1,404	1,445
Wisconsin	55.0	47.5	49.0	107,250	101,650	105,840
United States	51.9	49.3	51.6	4,296,496	4,411,633	4,543,883

NASS, Crops Branch, (202) 720–2127.

Table 3-33.—Soybeans: Crushings, and oil and meal stocks, production, and foreign trade, United States, 2008–2017

Year beginning October	Soybeans crushed	Soybean oil			Soybean cake and meal		
		Stocks Oct. 1	Production	Exports	Stocks Oct. 1	Production	Exports
	1,000 bushels	*Million pounds*	*Million pounds*	*Million pounds*	*1,000 tons*	*1,000 tons*	*1,000 tons*
2008	1,661,922	2,485	18,745	2,193	294	39,102	8,497
2009	1,751,686	2,861	19,615	3,359	235	41,707	11,159
2010	1,648,043	3,406	18,888	3,233	302	39,251	9,081
2011	1,703,019	2,675	19,740	1,464	350	41,036	9,750
2012	1,688,903	2,590	19,820	2,163	300	39,875	11,146
2013	1,733,888	1,655	20,130	1,877	275	40,685	11,578
2014	1,873,494	1,165	21,399	2,014	250	45,062	13,107
2015	1,886,237	1,855	21,950	2,243	260	44,672	11,954
2016	1,901,198	1,687	22,123	2,556	264	44,787	11,580
2017[1]	2,054,932	1,711	23,772	2,447	401	49,226	12,400

[1] Forecast.
ERS, Field Crops Branch, (202) 694–5300. Data from the U.S. Department of Commerce.

Table 3-34.—Soybeans for beans: Marketing year average price and value, by State and United States, 2016–2018

State	Marketing year average price per bushel			Value of production		
	2016	2017	2018	2016	2017	2018
	Dollars	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Alabama	9.83	9.43	8.85	128,970	149,654	123,369
Arkansas	9.83	9.77	9.00	1,427,611	1,743,945	1,487,160
Delaware	9.44	9.19	8.45	63,862	74,053	59,623
Florida	8.75	8.85	8.10	9,135	4,213	3,694
Georgia	10.1	9.62	8.55	72,720	60,606	46,170
Illinois	9.78	9.60	8.95	5,799,051	5,874,240	6,253,813
Indiana	9.69	9.61	8.75	3,136,895	3,082,504	3,030,300
Iowa	9.34	9.25	8.60	5,290,176	5,240,865	4,857,882
Kansas	9.26	9.00	7.95	1,782,365	1,724,625	1,625,378
Kentucky	9.87	9.70	8.80	878,430	997,354	910,624
Louisiana	9.93	9.67	9.05	573,110	652,725	564,720
Maryland	9.33	9.20	8.45	199,410	232,254	206,712
Michigan	9.51	9.39	8.60	989,325	905,900	941,184
Minnesota	9.23	9.17	8.55	3,594,900	3,523,802	3,328,985
Mississippi	9.94	9.74	9.25	963,782	1,120,197	1,104,034
Missouri	9.60	9.48	8.60	2,606,016	2,773,327	2,244,600
Nebraska	9.18	9.08	8.30	2,883,897	2,960,307	2,766,805
New Jersey	9.59	9.30	8.00	33,834	41,432	32,960
New York	9.57	9.26	8.40	125,558	110,426	141,120
North Carolina	9.80	9.50	8.70	569,380	642,200	464,406
North Dakota	8.97	8.88	8.30	2,229,807	2,159,838	2,021,299
Ohio	9.66	9.62	8.75	2,548,115	2,423,807	2,527,350
Oklahoma	9.40	9.10	7.85	128,122	168,896	141,300
Pennsylvania	9.54	9.34	8.30	249,757	271,234	235,305
South Carolina	9.68	9.52	8.95	121,532	141,086	99,014
South Dakota	9.03	8.94	8.05	2,310,912	2,156,596	2,066,274
Tennessee	9.78	9.70	8.80	717,363	805,100	676,016
Texas	9.16	8.90	7.65	41,174	60,921	33,048
Virginia	9.40	9.40	8.60	203,040	244,024	218,182
West Virginia	9.40	9.40	8.60	12,464	13,198	12,427
Wisconsin	9.36	9.34	8.60	1,003,860	949,411	910,224
United States	9.47	9.33	8.60	40,694,573	41,308,740	39,133,978

NASS, Crops Branch, (202) 720–2127.

Table 3-35.—International oilseed, soybean: Area and production in specified countries, 2016/2017–2018/2019

Country	Area			Production		
	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019
	1,000 hectares			*1,000 Metric tons*		
United States	33,470	36,236	35,657	116,931	120,065	123,664
Brazil	33,900	35,150	36,100	114,600	122,000	117,000
Argentina	17,335	16,300	17,100	55,000	37,800	56,000
China	7,596	8,250	8,400	13,644	15,200	15,900
India	11,183	10,400	11,000	10,992	8,350	11,500
Paraguay	3,389	3,400	3,300	10,336	10,300	9,000
Canada	2,232	2,935	2,550	6,597	7,717	7,300
Ukraine	1,858	1,976	1,729	4,286	3,890	4,461
Russia	2,118	2,568	2,739	3,134	3,621	4,027
Bolivia	1,264	1,400	1,400	3,019	2,600	2,700
European Union	803	926	930	2,410	2,539	2,681
Uruguay	1,089	1,098	989	3,212	1,334	1,978
South Africa	574	787	730	1,316	1,540	1,275
Nigeria	940	1,000	1,000	1,324	994	1,054
Serbia	185	200	220	650	460	625
Indonesia	430	420	410	565	540	520
Mexico	282	263	191	521	433	335
Zambia	138	225	192	268	351	303
Korea, North	175	150	150	282	223	225
Japan	150	150	147	238	249	213
Burma	150	150	150	160	160	160
Iran	52	83	70	139	200	160
Bangladesh	81	82	82	153	156	156
Ethiopia	37	39	42	81	84	120
Turkey	30	24	25	100	90	95

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-36.—Soybeans: United States exports by country of destination, 2016–2018

Country of destination	2016	2017	2018
	Metric tons		
China	36,051,026	31,732,138	8,335,921
Mexico	3,630,773	3,867,703	4,568,307
Netherlands	1,909,165	2,045,877	3,784,707
Egypt	261,215	1,010,074	3,186,587
Indonesia	2,563,732	2,390,649	2,636,776
Japan	2,358,319	2,299,178	2,344,786
Taiwan	1,501,424	1,447,092	2,193,391
Argentina	0	256	2,050,739
Pakistan	322,744	1,138,302	1,929,838
Spain	895,232	607,995	1,812,908
Thailand	902,336	1,193,359	1,599,011
Vietnam	842,116	742,066	1,258,259
Bangladesh	606,638	1,049,387	1,197,159
Iran	142,598	67,199	985,194
Germany(*)	1,308,642	1,314,686	901,860
Italy(*)	201,452	75,523	881,304
Korea, South	520,684	676,902	838,646
Canada	282,155	385,921	775,358
Colombia	497,404	554,157	726,464
Malaysia	391,666	437,202	598,224
Portugal	57,812	123,156	472,551
Tunisia	362,771	221,094	448,182
Saudi Arabia	214,841	224,694	348,134
United Kingdom	229,897	100	326,895
Costa Rica	307,252	296,126	280,516
Peru	141,731	109,471	261,751
Turkey	157,369	368,627	240,078
France(*)	272,466	64,900	182,732
Philippines	258,836	234,239	177,481
Belgium-Luxembourg(*)	0	82,007	176,461
Rest of World	602,918	461,854	892,284
World Total	57,795,213	55,221,933	46,412,505

(*) Denotes a country that is a summarization of its component countries.
FAS, Office of Global Analysis, (202) 720–6301. Data Source: U.S. Census Bureau Trade Data.

Table 3-37.—Soybean oil: United States exports by country of destination, 2016–2018

Country of destination	2016	2017	2018
	Metric tons		
Korea, South	81,697	264,506	287,809
Mexico	257,374	241,240	149,565
Dominican Republic	108,001	176,792	142,684
Colombia	74,950	89,426	128,383
Peru	41,248	2	93,051
Guatemala	42,977	52,752	75,474
Venezuela	50,090	12,402	48,857
Jamaica	31,328	33,489	27,013
Canada	16,331	23,052	21,802
Mozambique	0	12,200	17,200
Nicaragua	12,610	15,293	15,737
Morocco	19,005	30,432	11,798
Trinidad and Tobago	11,014	10,030	11,518
Senegal	7,936	5,810	11,000
Pakistan	7,253	7,137	10,867
Panama	6,308	6,583	7,779
Cuba	15,200	0	7,600
El Salvador	134	8,407	7,565
Costa Rica	36	4,121	5,772
United Arab Emirates	3,065	3,558	4,412
Honduras	575	3,922	4,399
Malaysia	40	2	4,000
Saudi Arabia	1,494	2,685	3,636
Japan	2,681	2,732	2,543
Bahamas, The	2,148	2,030	2,146
Kuwait	897	1,224	2,064
Lebanon	1,670	1,933	1,905
Jordan	464	979	1,807
China	143,269	30,332	888
Qatar	243	474	843
Rest of World	67,961	27,058	6,566
World Total	1,007,997	1,070,602	1,116,679

Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.

FAS, Office of Global Analysis, (202) 720–6301. Data Source: U.S. Census Bureau Trade Data.

Table 3-38.—Soybean cake and meal: United States exports by country of destination, 2016–2018

Country of destination	2016	2017	2018
	Metric tons		
Philippines	1,847,953	2,042,537	2,164,098
Mexico	2,171,483	1,631,630	1,787,481
Colombia	720,861	973,684	1,221,918
Canada	770,517	916,203	996,584
Vietnam	211,469	192,398	760,814
Morocco	157,119	215,372	553,234
Dominican Republic	506,169	489,358	494,367
Guatemala	371,259	367,103	430,008
Spain	31	114,261	354,736
Thailand	402,050	366,966	344,363
Japan	159,843	250,144	330,632
Ecuador	350,931	184,928	320,420
Indonesia	35,667	71,933	306,584
Honduras	234,150	238,532	274,013
Panama	210,521	200,093	218,113
El Salvador	199,060	192,725	217,846
Peru	291,024	254,811	217,228
Venezuela	311,944	301,804	182,796
Sri Lanka	148,828	152,975	170,096
Burma	125,277	91,088	155,581
Jamaica	117,451	116,497	126,079
Italy(*)	438	2,029	125,119
Costa Rica	56,049	63,374	108,712
Nicaragua	116,756	104,700	107,284
Ireland	16,194	172	99,962
Bangladesh	143,424	121,030	86,972
Belgium-Luxembourg(*)	46,618	60,318	75,544
Saudi Arabia	126,689	207,975	73,523
Libya	16,825	0	59,845
United Kingdom	19,281	3,575	56,333
Rest of World	722,745	759,350	672,241
World Total	10,608,628	10,687,563	13,092,526

(*) Denotes a country that is a summarization of its component countries. Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.

FAS, Office of Global Analysis, (202) 720–6301. Data Source: U.S. Census Bureau Trade Data.

Table 3-39.—International oil, soybean: Production in specified countries, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	1,000 metric tons		
China	15,770	16,128	15,411
United States	10,035	10,783	11,115
Argentina	8,395	7,236	8,200
Brazil	7,755	8,535	8,195
European Union	2,736	2,841	3,097
India	1,620	1,386	1,710
Mexico	820	937	982
Russia	788	824	860
Paraguay	711	733	740
Egypt	400	582	600
Bolivia	470	425	470
Iran	369	486	468
Japan	466	468	468
Pakistan	296	405	423
Taiwan	364	383	401
Canada	350	355	366
Thailand	350	251	359
Vietnam	209	276	295
Ukraine	146	187	275
Turkey	177	250	250

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-40.—International trade: Meal, soybean in specified countries, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	1,000 metric tons		
Principle exporting countries:			
Argentina	31,323	25,350	28,100
Brazil	13,762	16,064	15,700
United States	10,505	12,752	12,701
Paraguay	2,370	2,625	2,580
India	2,008	1,844	1,850
Bolivia	1,522	1,655	1,675
China	1,111	1,198	900
Ukraine	303	365	900
Russia	323	384	410
Canada	291	357	400
European Union	334	395	350
Norway	181	182	182
Belarus	14	110	170
Vietnam	120	120	100
South Africa	70	75	80
Serbia	73	38	70
Malaysia	77	75	65
Korea, South	100	41	50
Nigeria	73	49	50
Thailand	2	50	50
Principle importing countries:			
European Union	18,794	18,354	18,700
Vietnam	4,945	4,800	5,000
Indonesia	4,255	4,454	4,850
Philippines	2,662	2,750	2,950
Thailand	2,782	3,191	2,900
Mexico	1,991	1,818	2,000
Korea, South	1,764	1,846	1,900
Japan	1,621	1,728	1,770
Malaysia	1,427	1,525	1,600
Algeria	1,276	1,475	1,500
Colombia	1,284	1,425	1,500
Peru	1,327	1,400	1,450
Iran	1,507	1,113	1,400
Ecuador	920	1,050	1,100
Saudi Arabia	1,175	833	1,075
Canada	821	1,022	1,050
Australia	850	880	1,000
Chile	639	824	925
Egypt	1,053	571	825
Turkey	790	557	700

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-41.—International trade: Oil, soybean in specified countries, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	1,000 metric tons		
Principle exporting countries:			
India	3,534	2,984	3,400
China	711	481	900
Bangladesh	830	780	780
Algeria	667	720	760
Morocco	497	492	515
Peru	449	490	500
Colombia	352	355	375
European Union	285	284	325
Korea, South	306	276	300
Egypt	246	227	250
Iran	257	213	245
Venezuela	289	226	210
United States	145	152	181
Dominican Republic	187	165	180
Mexico	255	195	175
South Africa	180	150	175
Ecuador	110	105	110
Tunisia	149	95	106
Chile	105	67	100
Korea, North	99	90	100
Principle importing countries:			
Argentina	5,387	4,133	5,100
Brazil	1,241	1,511	1,200
European Union	819	902	1,000
United States	1,159	1,110	975
Paraguay	680	702	710
Russia	529	568	585
Bolivia	338	380	350
Ukraine	177	192	267
Canada	175	157	160
China	118	211	125
Malaysia	137	124	123
Turkey	68	58	85
Thailand	50	70	80
Serbia	69	43	70
Norway	70	62	67
South Africa	55	55	55
Egypt	53	25	50
Vietnam	35	40	40
Saudi Arabia	33	33	33
Mexico	24	26	25

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-42.—International trade: Oil, soybean local in specified countries, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	1,000 metric tons		
Principle exporting countries:			
Argentina	4,716	4,570	5,500
Brazil	1,323	1,410	1,250
Principle importing countries:			
Brazil	51	41	50

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Table 3-43.—International trade: Oilseed, soybean in specified countries, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	1,000 metric tons		
Principle exporting countries:			
Brazil	63,137	76,175	78,500
United States	58,960	57,945	46,266
Argentina	7,026	2,112	7,750
Paraguay	6,124	6,029	5,600
Canada	4,592	4,925	5,400
Ukraine	2,904	2,757	2,550
Uruguay	3,224	1,250	1,900
Russia	375	892	875
India	269	217	250
European Union	220	276	175
China	114	134	125
Ethiopia	32	93	95
Serbia	186	28	80
Malaysia	47	17	30
Nigeria	115	28	30
Turkey	132	20	25
Bolivia	13	7	10
Chile	8	7	8
South Africa	4	34	5
Uganda	5	5	5
Principle importing countries:			
China	83,230	93,495	94,095
European Union	15,120	13,441	14,584
Argentina	676	1,674	4,703
Mexico	4,126	4,126	4,873
Egypt	1,300	2,115	3,255
Japan	3,186	3,175	3,256
Thailand	2,798	3,078	2,482
Taiwan	2,476	2,566	2,666
Indonesia	2,274	2,649	2,483
Turkey	2,283	2,271	2,777
Iran	1,864	1,914	2,559
Pakistan	1,251	1,668	2,300
Russia	2,336	2,221	2,237
Vietnam	1,602	1,646	1,850
Korea, South	1,249	1,286	1,256
Bangladesh	1,128	813	1,100
Canada	286	486	487
Malaysia	885	768	690
Tunisia	546	471	683
Saudi Arabia	596	602	590

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-44.—International trade: Oilseed, Soybeans local in specified countries, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	1,000 metric tons		
Principle exporting countries:			
Brazil	68,807	84,155	69,000
Argentina	7,245	3,719	7,000
Principle importing countries:			
Argentina	2,631	7,256	4,000
Brazil	267	185	150

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-45.—Sunflower, all: Area, yield, production, and value, United States, 2009–2018

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per cwt	Value of production
	1,000 acres	*1,000 acres*	*Pounds*	*1,000 pounds*	*Dollars*	*1,000 dollars*
2009	2,030.0	1,953.5	1,554	3,036,460	15.10	458,959
2010	1,951.5	1,873.8	1,460	2,735,570	23.30	633,778
2011	1,543.0	1,457.8	1,398	2,038,275	29.10	589,282
2012	1,920.0	1,840.0	1,487	2,736,060	25.40	699,970
2013	1,575.5	1,464.6	1,380	2,021,765	21.40	443,296
2014	1,565.3	1,505.1	1,470	2,212,350	21.70	496,469
2015	1,860.1	1,800.4	1,625	2,925,030	19.60	574,481
2016	1,596.6	1,532.0	1,731	2,651,635	17.40	464,015
2017	1,403.0	1,333.8	1,603	2,137,750	17.20	375,077
2018	1,301.0	1,222.5	1,731	2,116,410	17.10	371,386

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Table 3-46.—Sunflower, oil varieties: Area, yield, production, and value, United States, 2009–2018

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per cwt.	Value of production
	1,000 acres	*1,000 acres*	*Pounds*	*1,000 pounds*	*Dollars*	*1,000 dollars*
2009	1,698.0	1,653.0	1,563	2,584,010	13.80	359,331
2010	1,463.0	1,422.5	1,458	2,074,500	22.60	457,135
2011	1,289.5	1,233.4	1,397	1,722,675	28.00	480,412
2012	1,658.0	1,589.8	1,484	2,359,775	24.40	580,404
2013	1,279.0	1,200.9	1,363	1,637,205	19.30	322,605
2014	1,174.0	1,134.5	1,461	1,657,390	19.30	322,163
2015	1,550.5	1,510.0	1,579	2,383,870	18.20	434,795
2016	1,418.0	1,368.5	1,731	2,369,015	16.90	403,850
2017	1,216.0	1,168.0	1,582	1,847,525	16.90	312,065
2018	1,164.0	1,099.0	1,726	1,896,410	16.70	323,067

NASS, Crops Branch, (202) 720–2127.

Table 3-47.—Sunflower, non-oil varieties: Area, yield, production, and value, United States, 2009–2018

Year	Area planted	Area harvested	Yield per harvested acre	Production	Price per cwt.	Value of production
	1,000 acres	*1,000 acres*	*Pounds*	*1,000 pounds*	*Dollars*	*1,000 dollars*
2009	332.0	300.5	1,506	452,450	22.10	99,628
2010	488.5	451.3	1,465	661,070	26.60	176,643
2011	253.5	224.4	1,406	315,600	33.80	108,870
2012	262.0	250.2	1,504	376,285	29.60	119,566
2013	296.5	263.7	1,458	384,560	31.30	120,691
2014	391.3	370.6	1,497	554,960	31.50	174,306
2015	309.6	290.4	1,863	541,160	26.60	139,686
2016	178.6	163.5	1,729	282,620	21.20	60,165
2017	187.0	165.8	1,750	290,225	21.00	63,012
2018	137.0	123.5	1,781	220,000	22.40	48,319

NASS, Crops Branch, (202) 720–2127.

Table 3-48.—Sunflower, all: Area, yield, production, and value, by type, State and United States, 2017–2018

Type and State	Area planted		Area harvested		Yield per harvested acre	
	2017	2018	2017	2018	2017	2018
Oil:	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*Pounds*	*Pounds*
California	54.0	58.0	52.5	57.0	950	1,300
Colorado	80.0	58.0	73.0	49.0	1,000	1,100
Kansas	52.0	43.0	50.0	41.0	1,300	1,500
Minnesota	34.0	45.0	33.0	44.0	1,950	2,250
Nebraska	30.0	25.0	28.5	24.0	1,300	1,420
North Dakota	395.0	395.0	381.0	380.0	1,650	1,750
South Dakota	540.0	520.0	520.0	485.0	1,700	1,830
Texas	31.0	20.0	30.0	19.0	1,520	1,120
United States	1,216.0	1,164.0	1,168.0	1,099	1,582	1,726
Non-oil:						
California	1.3	2.0	1.3	2.0	1,100	1,200
Colorado	12.0	8.0	11.0	7.0	1,200	1,150
Kansas	13.5	10.0	12.2	8.5	1,600	1,500
Minnesota	4.7	7.5	3.3	7.0	1,250	2,150
Nebraska	15.5	12.0	15.0	9.5	1,650	1,400
North Dakota	43.0	41.0	42.0	40.0	1,800	1,860
South Dakota	82.0	51.0	68.0	45.0	2,000	1,950
Texas	15.0	5.5	13.0	4.5	1,200	1,400
United States	187.0	137.0	165.8	123.5	1,750	1,781
Total:						
California	55.3	60.0	53.8	59.0	954	1,297
Colorado	92.0	66.0	84.0	56.0	1,026	1,106
Kansas	65.5	53.0	62.2	49.5	1,359	1,500
Minnesota	38.7	52.5	36.3	51.0	1,886	2,236
Nebraska	45.5	37.0	43.5	33.5	1,421	1,414
North Dakota	438.0	436.0	423.0	420.0	1,665	1,760
South Dakota	622.0	571.0	588.0	530.0	1,735	1,840
Texas	46.0	25.5	43.0	23.5	1,423	1,174
United States	1,403.0	1,301.0	1,333.8	1,222.5	1,603	1,731

Type and State	Production		Marketing year average price per cwt		Value of production	
	2017	2018	2017	2018	2017	2018
Oil:	*1,000 lbs*	*1,000 lbs*	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*
California	49,875	74,100	21.00	(D)	10,474	(D)
Colorado	73,000	53,900	(D)	(D)	(D)	(D)
Kansas	65,000	61,500	(D)	(D)	(D)	(D)
Minnesota	64,350	99,000	18.60	(D)	11,969	(D)
Nebraska	37,050	34,080	15.60	15.50	5,780	5,282
North Dakota	628,650	665,000	17.10	17.30	107,499	115,045
South Dakota	884,000	887,550	(D)	(D)	(D)	(D)
Texas	45,600	21,280	17.50	18.00	7,980	3,830
Other States [1]	.....	.....	16.50	16.90	168,363	198,910
United States	1,847,525	1,896,410	16.90	16.70	312,065	323,067
Non-oil:						
California	1,430	2,400	25.00	(D)	358	(D)
Colorado	13,200	8,050	(D)	(D)	(D)	(D)
Kansas	19,520	12,750	(D)	(D)	(D)	(D)
Minnesota	4,125	15,050	22.20	(D)	916	(D)
Nebraska	24,750	13,300	27.30	25.60	6,757	3,405
North Dakota	75,600	74,400	21.70	21.10	16,405	15,698
South Dakota	136,000	87,750	(D)	(D)	(D)	(D)
Texas	15,600	6,300	24.00	24.00	3,744	1,512
Other States [1]	.....	.....	20.60	22.00	34,832	27,704
United States	290,255	220,000	21.00	22.40	63,012	48,319
Total:						
California	51,305	76,500	21.10	25.00	10,832	19,101
Colorado	86,200	61,950	16.30	17.40	14,028	11,015
Kansas	84,520	74,250	17.70	18.90	15,019	13,850
Minnesota	68,475	114,050	18.90	18.90	12,885	21,598
Nebraska	61,800	47,380	20.40	15.50	12,537	8,687
North Dakota	704,250	739,400	17.70	17.50	123,904	130,743
South Dakota	1,020,000	975,300	16.60	16.30	174,148	161,050
Texas	61,200	27,580	19.20	19.40	11,724	5,342
United States	2,137,750	2,116,410	17.20	17.10	375,077	371,386

(D) Withheld to avoid disclosing data for individual operations. [1] Includes data withheld above.
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Table 3-49.—International Oilseed, sunflowerseed: Area and production in specified countries, 2016/2017–2018/2019

Country	Area			Production		
	2016/2017	2017/2018	2018/2019	2016/2017	2017/2018	2018/2019
	1,000 hectares			*1,000 metric tons*		
Ukraine	5,500	6,800	6,800	11,900	15,200	13,700
Russia	6,454	7,175	7,146	9,173	10,858	10,362
European Union	4,171	4,130	4,385	7,721	8,651	10,174
Argentina	1,415	1,819	1,678	3,000	3,547	3,538
China	1,036	1,153	1,250	2,698	2,990	3,120
Turkey	550	600	700	1,100	1,320	1,550
United States	729	620	540	1,327	1,203	970
Kazakhstan	701	807	883	534	755	903
South Africa	719	636	602	755	874	862
Moldova	330	362	385	525	677	804
Serbia	188	220	220	450	650	540
Burma	600	600	600	390	390	390
India	487	390	330	323	318	230
Brazil	51	63	96	62	104	142
Bolivia	147	143	131	131	114	105
Pakistan	85	70	80	90	75	90
Uruguay	38	44	50	57	66	78
Canada	38	28	26	73	51	58
Paraguay	45	30	32	74	48	53
Iran	36	41	40	31	40	43

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-50—Sunflowerseed: United States exports by country of destination, 2016–2018

Country	2016	2017	2018
	1,000 metric tons		
Spain	21,324	19,785	19,791
Canada	18,343	17,168	14,210
Mexico	19,420	22,803	14,053
Israel(*)	2,493	2,491	3,462
Greece	1,610	1,559	1,492
Korea, South	2,381	1,818	1,484
Turkey	5,018	2,561	1,430
Romania	1,188	684	874
Morocco	454	1,205	660
Egypt	2,039	2,210	539
Japan	1,104	1,068	526
China	37	110	517
Colombia	390	466	492
Jordan	3,066	1,472	490
Bulgaria	0	180	479
Poland	120	0	419
Germany(*)	504	577	361
Kuwait	649	164	256
United Kingdom	444	656	220
Ukraine	0	0	201
Chile	131	84	116
Malaysia	16	123	92
Singapore	110	90	91
France(*)	329	0	48
Ethiopia(*)	0	0	45
Argentina	0	354	44
Vietnam	0	0	40
Philippines	23	24	27
Costa Rica	20	40	20
Taiwan	70	39	20
Rest of World	7,425	976	116
World Total	88,706	78,704	62,614

(*) Denotes a country that is a summarization of its component countries.
FAS, Office of Global Analysis, (202) 720–6301. Data Source: U.S. Census Bureau Trade Data.

Table 3-51.—Sunflowerseed oil: United States exports by country of destination, 2016–2018

Country	2016	2017	2018
	Metric tons		
Canada	18,978	17,580	20,694
Mexico	9,528	5,419	16,209
Malaysia	6	60	2,322
Vietnam	664	475	1,507
Australia(*)	2	47	1,471
Japan	3,431	2,606	901
Honduras	702	626	732
Taiwan	740	1,028	624
Costa Rica	41	1	354
Korea, South	235	179	257
Netherlands	279	176	224
Tanzania	0	50	90
Italy(*)	0	310	62
India	42	5	45
Thailand	25	14	44
Kyrgyzstan	0	30	40
Argentina	0	0	39
China	505	364	35
Peru	0	6	18
Philippines	0	0	18
Colombia	534	2,694	14
Singapore	5	28	13
New Zealand(*)	0	0	13
Indonesia	20	59	11
Brazil	4	27	8
Uruguay	2	919	6
Netherlands Antilles(*)	8	0	6
Germany(*)	0	2	6
Hong Kong	0	18	6
Rest of World	752	550	6
World Total	36,501	33,272	45,773

(*) Denotes a country that is a summarization of its component countries.
FAS, Office of Global Analysis, (202) 720–6301.

Table 3-52.—International oil, sunflowerseed: Production in specified countries, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	1,000 metric tons		
Ukraine	15,200	13,700	15,000
Russia	10,858	10,362	12,710
European Union	8,651	10,174	9,700
Argentina	3,547	3,538	3,800
China	2,990	3,120	3,250
Turkey	1,320	1,550	1,800
United States	1,203	970	960
Kazakhstan	755	903	848
Moldova	677	804	784
Serbia	650	540	680
South Africa	874	862	564
Burma	390	390	390
India	318	230	280
Pakistan	75	90	144
Brazil	104	142	112
Uruguay	66	78	90
Bolivia	114	105	80
Canada	51	58	57
Paraguay	48	53	54
Iran	40	43	43
Morocco	30	24	27
Australia	17	31	23
Egypt	17	19	19
Israel	16	16	16
Chile	10	12	13
Mexico	10	9	10
Switzerland	10	10	10
Macedonia	6	6	3
Bosnia and Herzegovina	1	1	1

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-53.—Sunflowerseed cake and meal: United States exports by country of destination, 2016–2018

Country	2016	2017	2018
	Metric tons		
Canada	3,293	3,974	2,707
Vietnam	100	0	2,550
Indonesia	406	0	194
Costa Rica	0	0	38
Mexico	1,371	0	35
Jordan	100	0	0
Korea, South	0	14	0
Thailand	5,140	288	0
Taiwan	0	522	0
Venezuela	1,177	0	0
World Total	11,585	4,797	5,525

(*) Denotes a country that is a summarization of its component countries.
Data source: U.S. Census Bureau Trade Data.
FAS, Office of Global Analysis, (202) 720–6301.

Table 3-54.—Mint oil: Production and value, by State and United States, 2016–2018

State	Production			Price per pound			Value of production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 pounds	*1,000 pounds*	*1,000 pounds*	*Dollars*	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Peppermint:									
California	129	123	136	23.00	22.80	(D)	2,967	2,804	(D)
Idaho	1,914	1,890	1,785	19.90	17.60	18.90	38,089	33,264	33,737
Indiana	490	383	350	22.00	21.50	21.50	10,780	8,235	7,525
Oregon	1,615	1,710	1,615	21.40	19.40	21.10	34,561	33,174	34,077
Washington	1,518	1,440	1,320	20.50	16.50	19.40	31,119	23,760	25,608
Wisconsin	177	204	171	24.90	18.50	(D)	4,407	3,774	(D)
Other States [1]	.....	.....	.....	.....	.....	18.10	.....	.....	5,542
United States	5,843	5,750	5,377	20.90	18.30	19.80	121,923	105,011	106,489
Spearmint:									
Idaho	(D)	(D)	(D)	(D)	(D)	15.50	(D)	(D)	2,170
Indiana	264	167	216	18.00	17.00	(D)	4,752	2,839	(D)
Michigan	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oregon	313	263	313	18.00	19.50	17.40	5,634	5,129	5,446
Washington	2,315	2,100	1,748	17.10	15.60	16.70	39,675	32,832	29,229
Native	1,535	1,320	1,264	16.70	16.60	16.50	25,635	21,912	20,856
Scotch	780	780	484	18.00	14.00	17.30	14,040	10,920	8,373
Other States [1]	316	266	294	16.80	17.10	21.50	5,317	4,536	6,333
United States	3,208	2,796	2,571	17.30	16.20	16.80	55,378	45,336	43,178

(D) Withheld to avoid disclosing data for individual operations. [1] Includes data withheld above.
NASS, Crops Branch, (202) 720–2127.

Table 3-55.—Peppermint oil: Area, yield, production, and value, United States, 2009–2018

Year	Area harvested	Yield per harvested acre	Production	Price per pound	Value of production
	1,000 acres	*Pounds*	*1,000 pounds*	*Dollars*	*1,000 dollars*
2009	69.8	91	6,379	20.10	128,118
2010	72.8	89	6,495	20.30	131,805
2011	75.5	89	6,700	23.10	154,626
2012	75.7	87	6,549	24.10	158,121
2013	70.0	90	6,273	23.80	149,557
2014	65.0	91	5,887	22.90	134,775
2015	64.9	91	5,876	21.80	127,956
2016	64.5	91	5,843	20.90	121,923
2017	60.8	95	5,750	18.30	105,011
2018	58.5	92	5,377	19.80	106,489

NASS, Crops Branch (202), 720–2127.

Table 3-56.—Spearmint oil: Area, yield, production, and value, United States, 2009–2018

Year	Area harvested	Yield per harvested acre	Production	Price per pound	Value of production
	1,000 acres	*Pounds*	*1,000 pounds*	*Dollars*	*1,000 dollars*
2009	20.5	132	2,698	16.50	44,597
2010	18.6	125	2,318	16.20	37,553
2011	17.3	132	2,286	18.60	42,438
2012	20.0	119	2,386	19.50	46,521
2013	24.5	119	2,926	19.10	55.829
2014	24.4	114	2,784	19.80	54,977
2015	25.8	114	2,930	18.30	53,664
2016	24.5	131	3,208	17.30	55,378
2017	22.3	125	2,796	16.20	45,336
2018	20.8	124	2,571	16.80	43,178

NASS, Crops Branch, (202) 720–2127.

Table 3-57.—International oil, olive: Production in specified countries, 2016/2017–2018/2017

Country	2016/2017	2017/2018	2018/2017
	1,000 metric tons		
European Union	1,745	2,200	2,240
Turkey	177	263	220
Morocco	110	140	145
Tunisia	100	280	140
Syria	110	100	100
Algeria	63	83	76
Jordan	20	25	24
Lebanon	25	23	24
Australia	21	22	22
Argentina	38	44	20
Chile	19	17	18
Libya	16	18	18
United States	15	16	16
Israel	15	16	15
China	5	5	5
Saudi Arabia	3	3	3

FAS, Office of Global Analysis, (202) 720–6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 3-58.—Fats and oils: Wholesale price per pound, 2013–2017 [1]

Item and market	2013	2014	2015	2016	2017
	Cents	*Cents*	*Cents*	*Cents*	*Cents*
Coconut oil, crude, tanks, f.o.b. New York	44.26	60.21	52.27	69.12	80.36
Corn oil, crude, tank cars, f.o.b. Decatur	43.13	38.36	38.24	29.24	36.78
Cottonseed oil, crude, tank cars, f.o.b. Valley	46.60	60.33	47.01	45.81	38.53
Palm oil, U.S. ports, refined	41.13	39.86	32.10	34.39	35.67
Canola oil, Midwest	52.81	42.46	36.70	36.44	38.65
Soybean oil, crude, tank cars, f.o.b. Decatur	44.98	36.83	30.20	31.58	32.06
Sunflower oil, crude, Minneapolis	62.79	59.77	38.03	55.27	53.40
Tallow, edible, number 1 delivered Chicago	42.52	38.91	28.42	32.96	34.43

[1] All prices are calendar year average.

ERS, Market and Trade Economics Division, Field Crops Branch, (202) 694–5300. Compiled from the Chemical Marketing Reporter, Milling and Baking News, and the Agricultural Marketing Service.

CHAPTER IV

STATISTICS OF VEGETABLES AND MELONS

This chapter contains statistics on potatoes, sweet potatoes, and commercial vegetables and melons.

For potatoes and sweet potatoes, the estimates of area, production, value, and farm disposition pertain to the total crop and include quantities produced both for sale and for use on farms where grown. Potato statistics are shown on a within-year seasonal grouping of winter, spring, summer, and fall crops, by States. Some States have production in more than one seasonal group.

Commercial vegetables for fresh market include 26 principal vegetable and melon crops in the major producing States. These estimates relate to crops which are grown primarily for sale and do not include vegetables and melons produced in farm and non-farm gardens. The bulk of the production of the principal vegetable and melon crops is for consumption in the fresh state. The commercial estimates of these crops include local market production from areas near consuming centers as well as production from well recognized commercial areas which specialize in producing supplies for shipment to distant markets. For fresh market vegetables and melons, value per unit and total value are on an f.o.b. basis.

For processing vegetables, the estimates of area, production, and value for each of 10 crops relate to production used by commercial canners, freezers, and other processors, except dehydrators. These estimates include raw products grown by processors themselves and those grown under contract or purchased on the open market. This production and the actual area harvested are not duplicated in the fresh market estimates for the same commodities. The production of those vegetables used for processing for which regular processing estimates are not made is included in the fresh market estimates. The processed segment of production for asparagus, broccoli, and cauliflower, combined with fresh market production during the year, is published separately at the end of the season. For processed vegetables, value per unit and total value are at processing plant door.

Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production.

Table 4-1.—Vegetables, principal: Fresh Market and Processing, Area Harvested, Production, and Value, by State and United States, 2016–2018

State	Area harvested			Total production		
	2016	2017	2018	2016	2017	2018
	Acres	*Acres*	*Acres*	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
Alabama	3,500	5,400	5,900	329.0	756.0	619.5
Arizona	125,200	127,000	(D)	35,613.6	35,019.0	(D)
California	1,062,500	1,039,900	994,200	482,377.7	437,802.4	453,691.1
Colorado	(D)	(D)	(D)	(D)	(D)	(D)
Delaware	(D)	(D)	(D)	(D)	(D)	(D)
Florida	165,900	172,700	176,700	33,487.0	38,117.5	34,316.0
Georgia	94,800	91,900	95,400	20,426.0	21,770.6	17,731.3
Idaho	17,900	16,400	12,300	12,244.0	9,491.5	7,827.0
Illinois	55,300	46,100	38,850	10,537.0	9,204.2	7,980.0
Indiana	31,300	27,800	28,000	9,930.5	9,018.2	10,219.2
Maryland	18,800	(D)	(D)	2,997.4	(D)	(D)
Michigan	109,500	107,500	101,900	18,493.0	19,181.6	16,683.2
Minnesota	167,300	165,100	160,600	18,443.3	21,166.5	17,454.8
Missouri	2,700	3,000	(D)	1,053.0	705.0	(D)
New Jersey	28,800	28,800	28,500	4,121.2	4,197.4	3,533.3
New Mexico	14,800	14,700	14,400	4,930.0	6,082.0	4,997.0
New York	92,800	90,100	88,900	12,911.0	15,265.9	12,774.8
North Carolina	38,000	37,300	36,500	6,684.9	7,458.6	6,614.5
Ohio	23,100	21,300	21,500	4,900.0	4,732.5	4,913.0
Oregon	(D)	(D)	(D)	(D)	(D)	(D)
Pennsylvania	29,100	27,650	26,800	2,711.3	2,731.1	2,034.0
South Carolina	10,600	(D)	10,300	3,060.0	(D)	2,501.4
Tennessee	15,200	11,300	12,700	2,068.8	1,786.9	1,626.6
Texas	64,600	67,600	62,000	16,485.5	14,692.5	16,304.3
Virginia	(D)	6,000	5,800	(D)	1,418.8	1,143.2
Washington	163,400	154,300	144,100	45,659.4	43,145.8	40,206.3
Wisconsin	(D)	(D)	(D)	(D)	(D)	(D)
Other States [1]	301,050	310,630	432,750	57,991.6	59,577.1	89,627.4
United States	2,636,150	2,572,480	2,498,100	807,455.2	763,321.1	752,797.9

State	Utilized production			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt	*1,000 cwt*	*1,000 cwt*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Alabama	329.0	756.0	615.2	4,442	16,659	15,379
Arizona	35,613.6	35,019.0	(D)	1,310,023	1,635,572	(D)
California	482,377.7	432,410.5	451,435.6	7,709,668	8,561,502	7,354,601
Colorado	(D)	(D)	(D)	(D)	(D)	(D)
Delaware	(D)	(D)	(D)	(D)	(D)	(D)
Florida	33,487.0	37,647.7	33,406.5	1,091,277	1,078,197	1,121,981
Georgia	20,426.0	21,376.3	17,702.3	447,109	476,744	452,589
Idaho	10,771.2	9,390.5	7,808.6	75,346	85,740	60,831
Illinois	10,537.0	9,069.0	7,949.0	86,087	43,077	39,577
Indiana	9,930.5	9,017.2	10,206.6	101,818	96,292	97,104
Maryland	2,997.4	(D)	(D)	38,233	(D)	(D)
Michigan	18,493.0	19,166.0	16,633.1	286,433	301,363	273,314
Minnesota	18,430.1	21,027.4	17,430.1	105,154	110,856	116,288
Missouri	1,053.0	702.2	(D)	12,192	8,445	(D)
New Jersey	4,120.5	4,188.9	3,262.7	158,862	162,394	138,376
New Mexico	4,930.0	6,082.0	4,997.0	145,493	129,043	121,691
New York	12,911.0	14,782.0	12,538.4	270,318	246,805	209,556
North Carolina	6,684.9	7,351.4	6,506.4	177,098	170,273	145,105
Ohio	4,900.0	4,707.5	4,899.0	109,222	94,499	103,222
Oregon	(D)	(D)	(D)	(D)	(D)	(D)
Pennsylvania	2,711.3	2,678.5	1,982.2	69,123	76,175	60,639
South Carolina	3,060.0	(D)	2,495.3	68,462	(D)	68,470
Tennessee	2,068.8	1,759.2	1,584.1	78,190	76,431	66,984
Texas	16,338.8	14,456.0	16,181.7	240,298	283,237	305,255
Virginia	(D)	1,413.9	1,104.3	(D)	54,146	38,630
Washington	42,940.2	41,868.9	39,330.3	427,937	368,660	353,031
Wisconsin	(D)	(D)	(D)	(D)	(D)	(D)
Other States [1]	55,668.9	59,496.2	89,316.2	612,193	591,782	1,744,074
United States	800,779.9	754,366.3	747,384.6	13,624,978	14,667,892	12,886,697

(D) Withheld to avoid disclosing data for individual operations. [1] Includes data withheld above.
NASS, Crops Branch, (202) 720–2127.

Table 4-2.— Artichokes for fresh market and processing: Area, yield, production, value, and total value, United States, 2009-2018

Year	Area harvested	Yield per acre	Utilized Production	Value	
				Per cwt	Total
	Acres	*Cwt*	*1,000 cwt*	*Dollars*	*1,000 dollars*
2009	8,600	125	1,075	56.20	60,415
2010	7,200	120	864	50.20	43,373
2011	7,400	135	999	51.10	51,049
2012	7,300	145	1,059	54.30	57,504
2013	7,100	135	959	61.00	58,499
2014	7,300	130	949	57.60	54,662
2015	6,800	135	918	87.80	80,600
2016	6,800	145	986	78.80	77,697
2017	7,200	130	936	70.00	65,520
2018	6,900	145	1,000	63.00	63,032

Note: Beginning in 2016, Acreage and Yield estimates for fresh market and processing utilizations were discontinued. Total Production and Utilized Production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between Total Production and Total Utilized Production. Table 4-2, 2016-2018 includes utilized production.

NASS, Crops Branch, (202) 720–2127.

Table 4-3.—Asparagus for Fresh Market and Processing: Area planted and harvested, yield, production, price and value - State and United States, 2016–2018

State	Area planted			Area harvested		
	2016	2017	2018	2016	2017	2018
	Acres	*Acres*	*Acres*	*Acres*	*Acres*	*Acres*
California	9,400	8,300	6,200	9,000	8,000	6,000
Michigan	11,400	12,000	10,000	10,400	11,300	9,500
New Jersey	2,200	2,200	2,200	2,100	2,100	2,100
Washington	4,600	5,100	4,500	4,400	4,900	4,100
United States	27,600	27,600	22,900	25,900	26,300	21,700

State	Yield per acre			Utilized Production		
	2016	2017	2018	2016	2017	2018
	Cwt	*Cwt*	*Cwt*	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
California	24.0	25.0	30.0	216.0	200.0	180.0
Michigan	25.0	27.0	28.0	260.0	305.1	266.0
New Jersey	40.0	34.0	33.0	84.0	71.4	69.3
Washington	62.0	54.0	65.0	272.8	264.6	266.5
United States	32.2	32.0	36.0	832.8	841.1	781.8

State	Price per cwt			Value of Production		
	2016	2017	2018	2016	2017	2018
	Dollars	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
California	141.00	175.00	149.00	30,456	34,650	26,552
Michigan	87.70	85.70	87.50	22,801	26,136	23,275
New Jersey	171.00	183.00	167.00	14,330	13,054	11,562
Washington	88.40	101.00	100.00	24,102	26,832	26,195
United States	110.00	120.00	113.00	91,689	100,672	87,584

NASS, Crops Branch, (202) 720–2127.

Table 4-4.—Asparagus for Fresh Market and Processing: Production, price and value by utilization - States and United States, 2016–2018

Utilization and State	Utilized Production		
	2016	2017	2018
Fresh market	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
California	216.0	198.0	178.2
Michigan	(D)	144.0	133.0
New Jersey	83.8	(D)	(D)
Washington	(D)	(D)	(D)
Other States [1]	349.6	311.0	306.4
United States	649.4	653.0	617.6
Processing	*Tons*	*Tons*	*Tons*
California	.....	.....	.....
Michigan	(D)	8,055	6,650
New Jersey	.....	(D)	(D)
Washington	(D)	(D)	(D)
Other States [1]	9,162	1,252	1,202
United States	9,162	9,307	7,852

Utilization and State	Price per unit		
	2016	2017	2018
Fresh market	*Dollars per cwt*	*Dollars per cwt*	*Dollars per cwt*
California	141.00	175.00	149.00
Michigan	(D)	92.00	95.00
New Jersey	171.00	(D)	(D)
Washington	(D)	(D)	(D)
Other States [1]	90.10	123.00	117.00
United States	117.00	132.00	122.00
Processing	*Dollars per ton*	*Dollars per ton*	*Dollars per ton*
California	(X)	(X)	(X)
Michigan	(D)	1,600.00	1,600.00
New Jersey	(X)	(D)	(D)
Washington	(D)	(D)	(D)
Other States [1]	1,680.00	1,350.00	1,470.00
United States	1,680.00	1,570.00	1,580.00

Utilization and State	Value of utilized production		
	2016	2017	2018
Fresh market	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
California	30,456	34,650	26,552
Michigan	(D)	13,248	12,635
New Jersey	14,330	(D)	(D)
Washington	(D)	(D)	(D)
Other States [3]	31,502	38,201	35,988
United States	76,288	86,099	75,175
Processing	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
California [1]	.....	.....	.....
Michigan	(D)	12,888	10,640
New Jersey [2]	.....	(D)	(D)
Washington	(D)	(D)	(D)
Other States [3]	15,401	1,685	1,769
United States	15,401	14,573	12,409

(D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. [1] Includes data withheld above.
NASS, Crops Branch, (202) 720–2127.

Table 4-5.—Snap Beans for Fresh Market and Processing: Area Harvested, Production, and Value - States and United States, 2016–2018

State	Area harvested			Total production		
	2016	2017	2018	2016	2017	2018
	Acres	*Acres*	*Acres*	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
California	7,000	7,600	7,900	840.0	798.0	908.5
Delaware	2,200	2,200	1,700	143.0	132.0	102.0
Florida	29,500	27,500	31,500	1,622.5	1,595.0	1,575.0
Georgia	13,400	10,600	11,900	737.0	646.6	559.3
Illinois	15,200	7,500	8,800	1,292.0	600.0	800.8
Indiana	3,000	2,400	2,600	273.0	187.2	187.2
Maryland	4,400	3,000	3,000	286.0	222.0	180.0
Michigan	18,400	17,800	18,200	1,674.4	1,780.0	1,365.0
Minnesota	5,000	4,700	2,800	365.0	493.5	215.6
New Jersey	2,700	2,600	2,700	91.8	101.4	118.8
New York	28,300	24,000	26,300	1,981.0	1,752.0	2,104.0
North Carolina	4,600	5,000	4,800	179.4	185.0	216.0
Oregon	12,100	11,900	11,500	1,633.5	1,547.0	1,437.5
Pennsylvania	9,400	7,200	8,700	535.8	482.4	513.3
Tennessee	10,200	6,300	7,100	652.8	384.3	269.8
Texas	2,200	6,700	2,800	121.0	402.0	196.0
Washington	2,900	2,600	3,200	266.8	205.4	246.4
Wisconsin	66,600	62,500	66,000	7,326.0	6,562.5	6,600.0
United States	237,100	212,100	221,500	20,021.0	18,076.3	17,595.2

State	Utilized production			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt	*1,000 cwt*	*1,000 cwt*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
California	840.0	796.4	908.5	57,689	55,532	69,008
Delaware	143.0	132.0	102.0	2,660	2,522	2,385
Florida	1,622.5	1,572.7	1,567.1	82,701	81,453	67,000
Georgia	737.0	646.6	559.3	28,435	20,124	28,025
Illinois	1,292.0	600.0	800.8	21,435	3,750	9,294
Indiana	273.0	187.2	187.2	4,806	2,893	3,123
Maryland	286.0	222.0	180.0	5,185	4,264	3,456
Michigan	1,674.4	1,778.2	1,365.0	32,263	25,898	21,520
Minnesota	365.0	488.6	215.4	3,804	3,153	4,714
New Jersey	91.3	101.4	117.6	3,386	4,539	5,986
New York	1,981.0	1,748.5	2,104.0	52,146	35,881	34,023
North Carolina	179.4	184.3	214.3	5,829	6,704	8,020
Oregon	1,622.1	1,547.0	1,437.5	17,419	27,429	23,596
Pennsylvania	535.8	482.4	511.8	9,075	10,220	9,472
Tennessee	652.8	382.4	265.5	25,239	12,580	10,544
Texas	118.1	402.0	196.0	1,249	3,618	5,723
Washington	262.0	205.4	246.4	4,968	8,770	7,856
Wisconsin	7,326.0	6,562.5	6,586.8	45,634	40,115	49,761
United States	20,001.4	18,039.6	17,565.2	403,923	349,445	363,506

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Table 4-6.—Broccoli, fresh market and processing: Area, yield, production, value per hundredweight and per ton, and total value, United States, 2012-2018 [1]

Year	Total crop				
	Area harvested	Yield per acre	Production	Value [2]	
				Per cwt	Total
	Acres	*Cwt*	*1,000 cwt*	*Dollars*	*1,000 dollars*
2012	126,400	162	20,472	33.60	687,727
2013	131,500	162	21,360	42.80	913,520
2014	126,400	163	20,600	40.00	824,961
2015	124,400	176	21,888	48.40	1,058,770
2016	131,300	171.0	22,466	37.70	846,595
2017	128,600	158.5	20,384	45.40	925,716
2018	113,900	151.7	17,273	42.80	738,527

Year	Fresh market			Processing		
	Utilized Production	Value [2]		Utilized Production	Value [3]	
		Per cwt	Total		Per ton	Total
	1,000 cwt	*Dollars*	*1,000 dollars*	*Tons*	*Dollars*	*1,000 dollars*
2012	20,076	33.80	678,619	19,800	460.00	9,108
2013	20,664	43.20	893,336	34,800	580.00	20,184
2014	19,910	40.70	809,608	34,500	445.00	15,353
2015	21,104	49.10	1,035,211	39,200	601.00	23,559
2016	21,548.0	38.20	824,103	45,903	490.00	22,492
2017	19,908.0	46.00	916,482	23,800	388.00	9,234
2018	16,778.1	43.10	722,789	24,746	636.00	15,738

[1] Sprouting broccoli only. Does not include broccoli rabe nor heading (cauliflower) broccoli. [2] Price and value at point of first sale. [3] Price and value at processing plant door.
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Table 4-7.—Broccoli: Area, production, and value, by State and United States, 2016–2018 [1]

State	Area harvested			Utilized production		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
Arizona	9,300	9,600	10,900	1,116.0	1,344.0	1,308.0
California	122,000	119,000	103,000	21,350.0	19,040.0	15,965.0
United States	131,300	128,600	113,900	22,466.0	20,384.0	17,273.0

State	Price per cwt			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	Dollars			*1,000 dollars*		
Arizona	64.70	56.20	45.20	72,205	75,533	59,122
California	36.30	44.70	42.60	774,390	850,183	679,405
United States	37.70	45.40	42.80	846,595	925,716	738,527

Utilization and State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 cwt			*Dollars per cwt*			*1,000 dollars*		
Fresh Market									
Arizona	1,116.0	1,344.0	1,308.0	64.70	56.20	45.20	72,205	75,533	59,122
California	20,432.0	18,564.0	15,470.1	36.80	45.30	42.90	751,898	840,949	663,667
United States	21,548.0	19,908.0	16,778.1	38.20	46.00	43.10	824,103	916,482	722,789
	Tons			*Dollars per ton*			*1,000 dollars*		
Processing									
Arizona	.....	.....	.....	(X)	(X)	(X)	.....	.....	-
California	45,903	23,800	24,746	490.00	388.00	636.00	22,492	9,234	15,738
United States	45,903	23,800	24,746	490.00	388.00	636.00	22,492	9,234	15,738

(X) Not applicable. [1] Sprouting broccoli only. Does not include broccoli rabe nor heading (cauliflower) broccoli.
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Table 4-8.—Cabbage for fresh market and processing: Area Harvested, production, and value, by State and United States, 2016–2018

State	Area harvested			Total production		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
Arizona	3,700	3,300	3,300	1,591.0	1,666.5	1,650.0
California	14,400	14,500	14,200	5,760.0	5,510.0	4,828.0
Florida	7,900	8,600	8,900	2,686.0	3,096.0	3,204.0
Georgia	4,100	3,800	2,900	1,558.0	1,596.0	1,160.0
Michigan	3,500	3,900	3,700	1,155.0	1,326.0	1,295.0
New York	10,600	12,700	10,100	4,081.0	5,270.5	4,040.0
North Carolina	2,900	2,700	2,800	710.5	756.0	644.0
Texas	5,700	6,000	5,000	1,995.0	1,800.0	1,350.0
Wisconsin	4,000	5,100	3,300	2,660.0	2,805.0	1,336.5
United States	56,800	60,600	54,200	22,196.5	23,826.0	19,507.5

State	Utilized production			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 dollars*		
Arizona	1,591.0	1,666.5	1,650.0	50,435	29,164	33,495
California	5,760.0	5,510.0	4,828.0	158,976	158,625	181,533
Florida	2,686.0	3,065.0	3,172.0	49,422	47,508	62,806
Georgia	1,558.0	1,596.0	1,160.0	21,968	20,583	14,845
Michigan	1,155.0	1,326.0	1,295.0	15,987	14,619	14,327
New York	4,081.0	5,270.5	3,918.8	70,962	74,434	54,217
North Carolina	710.5	756.0	606.0	13,073	11,416	10,120
Texas	1,995.0	1,800.0	1,350.0	35,910	32,040	27,405
Wisconsin	2,660.0	2,805.0	1,336.5	31,721	42,918	10,698
United States	22,196.5	23,795.0	19,316.3	448,454	431,307	409,446

State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 cwt			*Dollars per cwt*			*1,000 dollars*		
Fresh Market									
Arizona	1,591.0	(D)	(D)	31.70	(D)	(D)	50,435	(D)	(D)
California	5,760.0	(D)	4,828.0	27.60	(D)	37.60	158,976	(D)	181,533
Florida	2,686.0	3,065.0	3,172.0	18.40	15.50	19.80	49,422	47,508	62,806
Georgia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Michigan	(D)	(D)	686.4	(D)	(D)	14.00	(D)	(D)	9,610
New York	(D)	4,653.9	3,757.2	(D)	15.00	14.00	(D)	69,809	52,601
North Carolina	710.5	756.0	606.0	18.40	15.10	16.70	13,073	11,416	10,120
Texas	1,995.0	1,800.0	1,350.0	18.00	17.80	20.30	35,910	32,040	27,405
Wisconsin	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other States [1]	6,175.8	9,490.0	2,991.3	16.60	24.20	17.90	102,708	229,785	53,572
United States	18,918.3	19,764.9	17,390.9	21.70	19.80	22.90	410,524	390,558	397,647
	Tons			*Dollars per ton*			*1,000 dollars*		
Processing									
Arizona	.....	(D)	(D)	(X)	(D)	(D)	.....	(D)	(D)
California	.....	(D)	.....	(X)	(D)	(X)	.....	(D)	.....
Florida	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Georgia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Michigan	(D)	(D)	30,433	(D)	(D)	155.00	(D)	(D)	4,717
New York	(D)	30,832	8,080	(D)	150.00	200.00	(D)	4,625	1,616
North Carolina	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Texas	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Wisconsin	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other States [1]	163,908	170,681	57,761	231.00	212.00	94.60	37,930	36,124	5,466
United States	163,908	201,513	96,274	231.00	202.00	123.00	37,930	40,749	11,799

(D) Withheld to avoid disclosing data for individual operations. [1] Includes data withheld above.
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Table 4-9.—Cantaloupes for fresh market: Area Harvested, production, and value, by State and United States, 2016–2018

State	Area harvested			Yield per acre		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
Arizona	15,900	15,700	16,300	235.0	225.0	230.0
California	29,500	34,300	31,500	300.0	275.0	265.0
Florida	2,300	2,200	(D)	270.0	260.0	(D)
Georgia	4,000	4,500	(D)	170.0	140.0	(D)
Indiana	1,700	1,500	1,700	185.0	230.0	225.0
North Carolina	1,100	1,200	1,200	188.0	205.0	255.0
Pennsylvania	1,000	950	900	135.0	145.0	120.0
South Carolina	1,600	900	(D)	215.0	310.0	(D)
Texas	1,900	2,000	2,000	125.0	110.0	110.0
Other States [1]	.....	.....	7,100	(X)	(X)	210.0
United States	59,000	63,250	60,700	256.4	243.4	240.6

State	Total production			Utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 dollars*		
Arizona	3,736.5	3,532.5	3,749.0	3,736.5	3,532.5	3,749.0
California	8,850.0	9,432.5	8,347.5	8,850.0	9,432.5	8,347.5
Florida	621.0	572.0	(D)	621.0	572.0	(D)
Georgia	680.0	630.0	(D)	680.0	630.0	(D)
Indiana	314.5	345.0	382.5	314.5	345.0	382.5
North Carolina	206.8	246.0	306.0	206.8	246.0	302.9
Pennsylvania	135.0	137.8	108.0	135.0	135.0	106.9
South Carolina	344.0	279.0	(D)	344.0	279.0	(D)
Texas	237.5	220.0	220.0	237.5	220.0	220.0
Other States [1]	.....	.....	1,494.0	.....	.....	1,494.0
United States	15,125.3	15,394.8	14,607.0	15,125.3	15,392.0	14,602.8

State	Price per cwt			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	Dollars			*1,000 dollars*		
Arizona	16.90	23.90	23.20	63,147	84,427	86,977
California	16.10	16.50	22.50	142,485	155,636	187,819
Florida	19.10	18.00	(D)	11,861	10,296	(D)
Georgia	19.10	24.60	(D)	12,988	15,498	(D)
Indiana	23.00	24.00	22.50	7,234	8,280	8,606
North Carolina	32.00	26.00	15.00	6,618	6,396	4,544
Pennsylvania	27.00	32.90	38.80	3,645	4,442	4,148
South Carolina	21.40	20.50	(D)	7,362	5,720	(D)
Texas	22.00	24.00	23.00	5,225	5,280	5,060
Other States [1]	(X)	(X)	26.90	.....	.....	34,388
United States	17.20	19.20	22.70	260,565	295,975	331,542

(D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. [1] Includes data withheld above.
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Table 4-10.—Carrot for fresh market and processing: Area Harvested, production, and value, by State and United States, 2016–2018

State	Area harvested			Total production		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
California	60,000	58,500	64,300	23,100.0	21,645.0	25,720.0
Michigan	3,900	4,000	4,000	1,326.0	1,480.0	1,520.0
Texas	2,000	1,900	1,600	590.0	456.0	400.0
Washington	7,100	7,000	5,900	4,473.0	4,900.0	3,658.0
Wisconsin	4,500	4,500	4,000	2,250.0	2,520.0	1,720.0
United States	77,500	75,900	79,800	31,739.0	31,001.0	33,018.0

State	Utilized production			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 dollars*		
California	23,100.0	21,645.0	25,642.8	722,395	635,624	686,189
Michigan	1,326.0	1,480.0	1,520.0	12,700	14,948	14,456
Texas	590.0	456.0	400.0	6,608	4,771	3,785
Washington	4,473.0	4,900.0	3,658.0	34,528	31,966	19,982
Wisconsin	2,250.0	2,515.0	1,714.8	10,588	8,820	7,092
United States	31,739.0	30,996.0	32,935.6	786,819	696,129	731,504

Utilization and State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 cwt			*Dollars per cwt*			*1,000 dollars*		
Fresh Market									
California	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Michigan	(D)	(D)	410.4	(D)	(D)	19.00	(D)	(D)	7,798
Texas	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin	13.5	2.5	3.4	110.00	111.00	138.00	1,485	278	469
Other States [1]	22,234.1	20,854.0	24,177.7	32.10	30.10	27.50	713,589	628,564	663,716
United States	22,247.6	20,856.5	24,591.5	32.10	30.20	27.30	715,074	628,842	671,983
	Tons			*Dollars per ton*			*1,000 dollars*		
Processing									
California	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Michigan	(D)	(D)	55,480	(D)	(D)	120.00	(D)	(D)	6,658
Texas	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin	111,825	125,622	85,570	81.40	68.00	77.40	9,103	8,542	6,623
Other States [1]	362,747	381,351	276,157	173.00	154.00	167.00	62,642	58,745	46,240
United States	474,572	506,973	417,207	151.00	133.00	143.00	71,745	67,287	59,521

(D) Withheld to avoid disclosing data for individual operations. [1] Includes data withheld above.
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Table 4-11.—Cauliflower for fresh market and processing: Area harvested, yield, production, and value, United States, 2009-2018 [1]

Year	Area for harvest	Yield per acre	Production	Value [2]	
				Per cwt.	Total [3]
	Acres	*1,000 cwt*	*cwt*	*Dollars*	*1,000 dollars*
2009	38,600	186	7,167	44.00	315,551
2010	38,460	184	7,087	41.70	295,186
2011	36,430	183	6,649	46.00	305,539
2012	36,070	185	6,690	35.80	239,203
2013	36,830	181	6,662	44.30	295,450
2014	35,070	181	6,361	49.80	316,937
2015	37,210	176	6,559	61.30	401,747
2016	41,900	178.1	7,461.0	55.70	415,761
2017	45,800	198.1	9,074.5	45.90	415,737
2018	43,900	211.5	9,286.0	45.80	425,350

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested not sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production.

[1] Includes heading (cauliflower) broccoli. [2] Price and value at point of first sale. [3] Beginning in 2016, value of utilized production.

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Table 4-12.—Cauliflower for fresh market and processing: Area harvested, production, and value, by State and United States, 2016–2018

State	Area harvested			Total Production		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
Arizona	5,400	5,700	6,100	891.0	1,054.5	1,159.0
California	36,500	40,100	37,800	6,570.0	8,020.0	8,127.0
United States	41,900	45,800	43,900	7,461.0	9,074.5	9,286.0
State	Utilized production			Value of total production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 dollars*		
Arizona	891.0	1,054.5	1,159.0	70,707	86,153	79,739
California	6,570.0	7,995.9	8,118.9	345,054	329,584	345,611
United States	7,461.0	9,050.4	9,277.9	415,761	415,737	425,350

Utilization and State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 cwt			*Dollars per cwt*			*1,000 dollars*		
Fresh Market									
Arizona	(D)	1,054.5	(D)	(D)	81.70	(D)	(D)	86,153	(D)
California	(D)	7,635.0	(D)	(D)	42.00	(D)	(D)	320,670	(D)
Other States [1]	7,283.1	.....	9,099.1	55.90	(X)	46.10	406,956	.....	419,575
United States	7,283.1	8,689.5	9,099.1	55.90	46.80	46.10	406,956	406,823	419,575
	Tons			*Dollars per ton*			*1,000 dollars*		
Processing									
Arizona	(D)	.....	(D)	(D)	(X)	(D)	(D)	.....	(D)
California	(D)	18,045	(D)	(D)	494.00	(D)	(D)	8,914	(D)
Other States [1]	8,897	.....	8,940	990.00	(X)	646.00	8,805	.....	5,775
United States	8,897	18,045	8,940	990.00	494.00	646.00	8,805	8,914	5,775

(D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. [1] Includes data withheld above.

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Table 4-13.—Celery for fresh market and processing: Area harvested, yield, production, price, and value, United States, 2012–2018 [1]

Year	Area harvested	Yield per acre	Production	Value [2]	
				Per cwt	Total
	Acres	*Cwt*	*1,000 cwt*	*Dollars*	*1,000 dollars*
2012	29,000	681	19,752	18.20	358,988
2013	28,800	625	18,003	25.40	457,765
2014	28,900	636	18,393	17.10	314,134
2015	27,700	618	17,110	24.80	424,664
2016	33,100	534	17,676	18.10	319,321
2017	31,800	505.9	16,089	20.10	322,047
2018	30,200	589.4	17,799	25.00	444,113

Note: Beginning in 2016, acreage and yield estimates for fresh market and processing utilizations were discontinued. Only total acreage and total yield will be published beginning in 2016. Total production and utilized production are estimated for each crop. Harvested Not Sold estimates were added to the estimating program. This is defined as the difference between total production and total utilized production.

[1] Mostly for fresh market use, but includes quantities used for processing. [2] Price and value at point of first sale.

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Table 4-14.—Celery for fresh market and processing: Area harvested, production, price, and value, by State and United States, 2016–2018

State	Area harvested			Total Production		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
California	31,200	29,700	28,300	16,536.0	14,850.0	16,697.0
Michigan	1,900	2,100	1,900	1,140.0	1,239.0	1,102.0
United States	33,100	31,800	30,200	17,676.0	16,089.0	17,799.0
State	Utilized production			Value of total production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 dollars*		
California	16,536.0	14,805.5	16,680.3	303,355	305,411	305,411
Michigan	1,140.0	1,239.0	1,102.0	15,966	16,636	16,636
United States	17,676.0	16,044.5	17,782.3	319,321	322,047	322,047

Utilization and State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 cwt			*Dollars per cwt*			*1,000 dollars*		
Fresh Market									
California	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Michigan	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other States [1]	16,800	15,381.8	16,545.5	18.50	20.50	25.90	310,449	315,484	429,059
United States	16,800	15,381.8	16,545.5	18.50	20.50	25.90	310,449	315,484	429,059
	Tons			*Dollars per ton*			*1,000 dollars*		
Processing									
California	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Michigan	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other States [1]	43,810	33,136	61,839	203	198.00	242.00	8,872	6,563	14,954
United States	43,810	33,136	61,839	203	198.00	242.00	8,872	6,563	14,954

(D) Withheld to avoid disclosing data for individual operations. [1] Includes data withheld above.

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Table 4-15.—Sweet corn for fresh market and processing: Area harvested, production, price, and value, by State and United States, 2016–2018

State	Area harvested			Total Production		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
California	34,900	33,500	32,800	5,933.0	6,365.0	5,904.0
Delaware	9,800	10,800	11,200	1,225.0	1,512.0	1,512.0
Florida	34,500	39,000	39,700	5,002.5	5,460.0	4,764.0
Georgia	26,000	25,100	29,000	3,900.0	4,016.0	4,350.0
Idaho	4,200	3,900	3,900	462.0	429.0	351.0
Illinois	14,600	14,200	14,600	2,117.0	1,917.0	1,825.0
Indiana	5,000	3,900	4,100	360.0	351.0	389.5
Maryland	7,200	7,100	8,100	1,116.0	887.5	972.0
Michigan	9,200	9,100	9,100	855.6	910.0	837.2
Minnesota	114,000	112,600	110,600	15,960.0	18,579.0	15,484.0
New Jersey	6,400	6,300	6,400	550.4	611.1	556.8
New York	26,600	25,700	26,600	2,527.0	3,341.0	2,793.0
Ohio	10,000	9,000	9,100	820.0	810.0	864.5
Oregon	24,900	23,900	28,900	4,855.5	4,541.0	5,924.5
Pennsylvania	10,800	11,600	10,600	702.0	742.4	604.2
Washington	80,000	74,000	72,000	16,000.0	15,540.0	16,560.0
Wisconsin	60,300	54,900	56,400	10,251.0	9,662.4	9,588.0
United States	478,400	464,600	473,100	72,637.0	75,674.4	73,279.7

State	Utilized production			Value of total production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 dollars*		
California	5,933.0	6,365.0	5,904.0	163,751	196,042	170,626
Delaware	1,225.0	1,512.0	1,512.0	14,262	19,439	16,633
Florida	5,002.5	5,460.0	4,764.0	160,080	158,340	142,920
Georgia	3,900.0	3,935.7	4,345.7	87,750	98,393	111,684
Idaho	462.0	427.7	347.5	10,352	11,548	12,163
Illinois	2,117.0	1,917.0	1,825.0	16,962	11,792	13,763
Indiana	360.0	351.0	389.5	11,160	9,126	8,959
Maryland	1,116.0	883.1	972.0	13,121	11,647	13,994
Michigan	855.6	910.0	837.2	21,818	20,930	19,256
Minnesota	15,960.0	18,467.5	15,468.5	73,592	79,361	81,899
New Jersey	550.4	607.4	542.9	15,983	18,334	13,868
New York	2,527.0	3,307.6	2,765.1	48,720	31,992	36,257
Ohio	820.0	801.1	864.5	26,896	20,829	23,342
Oregon	4,855.5	4,541.0	5,924.5	43,343	36,283	44,492
Pennsylvania	702.0	737.2	590.9	25,182	28,488	24,745
Washington	16,000.0	15,493.4	16,560.0	88,691	94,772	84,080
Wisconsin	10,251.0	9,652.7	9,588.0	48,958	44,863	40,181
United States	72,637.0	75,369.4	73,201.3	870,621	892,179	858,862

See footnote(s) at end of table.

Table 4-15.—Sweet corn for fresh market and processing: Area harvested, production, price, and value, by State and United States, 2016–2018—Continued

Utilization and State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 cwt			*Dollars per cwt*			*1,000 dollars*		
Fresh Market									
California	5,933.0	6,365.0	5,904.0	27.60	30.80	28.90	163,751	196,042	170,626
Delaware	(D)	423.4	362.9	(D)	31.00	30.00	(D)	13,125	10,887
Florida	5,002.5	5,460.0	4,764.0	32.00	29.00	30.00	160,080	158,340	142,920
Georgia	3,900.0	3,935.7	4,345.7	22.50	25.00	25.70	87,750	98,393	111,684
Idaho	(D)	(D)	347.5	(D)	(D)	35.00	(D)	(D)	12,163
Illinois	296.4	210.9	310.3	34.50	25.90	27.00	10,226	5,462	8,378
Indiana	360.0	351.0	389.5	31.00	26.00	23.00	11,160	9,126	8,959
Maryland	(D)	353.2	335.3	(D)	26.00	33.00	(D)	9,183	11,065
Michigan	855.6	910.0	837.2	25.50	23.00	23.00	21,818	20,930	19,256
Minnesota	351.1	668.8	588.4	34.00	33.50	46.00	11,937	22,405	27,066
New Jersey	478.8	509.7	(D)	32.50	35.00	(D)	15,561	17,840	(D)
New York	(D)	795.2	1,027.8	(D)	28.70	28.60	(D)	22,822	29,395
Ohio	820.0	801.1	864.5	32.80	26.00	27.00	26,896	20,829	23,342
Oregon	(D)	454.1	521.4	(D)	29.50	27.30	(D)	13,396	14,234
Pennsylvania	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington	448.0	808.1	447.1	24.40	35.50	43.90	10,931	28,688	19,628
Wisconsin	574.1	405.8	326.0	27.80	30.80	26.80	15,960	12,499	8,737
Other States [1]	4,017.5	1,161.2	996.8	29.30	34.50	38.00	117,771	40,008	37,910
United States	23,037.0	23,613.2	22,368.4	28.40	29.20	29.30	653,841	689,088	656,250
	Tons			*Dollars per ton*			*1,000 dollars*		
Processing									
California	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Delaware	(D)	54,432	57,456	(D)	116.00	100.00	(D)	6,314	5,746
Florida	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Georgia	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Idaho	(D)	(D)	.....	(D)	(D)	(X)	(D)	(D)	.....
Illinois	91,031	85,307	75,738	74.00	74.20	71.10	6,736	6,330	5,385
Indiana	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Maryland	(D)	26,492	31,833	(D)	93.00	92.00	(D)	2,464	2,929
Michigan	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Minnesota	780,444	889,934	744,006	79.00	64.00	73.70	61,655	56,956	54,833
New Jersey	3,578	4,889	(D)	118.00	101.00	(D)	422	494	(D)
New York	(D)	125,622	86,862	(D)	73.00	79.00	(D)	9,170	6,862
Ohio	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Oregon	(D)	204,345	270,157	(D)	112.00	112.00	(D)	22,887	30,258
Pennsylvania	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington	777,600	734,265	805,644	100.00	90.00	80.00	77,760	66,084	64,452
Wisconsin	483,847	462,346	463,100	68.20	70.00	67.90	32,998	32,364	31,444
Other States [1]	343,499	186	6,850	108.00	151.00	103.00	37,209	28	703
United States	2,479,999	2,587,818	2,541,646	87.40	78.50	79.70	216,780	203,091	202,612

(D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. [1] Includes data withheld above.
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Table 4-16.—Cucumbers for fresh market and processing: Area harvested, production, price, and value, by State and United States, 2016–2018

State	Area harvested			Total Production		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
Alabama	3,500	5,400	5,900	329.0	756.0	619.5
California	8,400	8,200	8,100	1,512.0	1,435.0	1,660.5
Delaware	2,600	(D)	(D)	231.4	(D)	(D)
Florida	21,700	25,900	24,900	3,906.0	5,309.5	4,233.0
Georgia	8,200	9,500	9,400	1,927.0	1,662.5	1,410.0
Michigan	40,400	37,500	34,400	5,454.0	5,625.0	4,128.0
New Jersey	3,100	2,900	2,600	542.5	464.0	244.4
North Carolina	10,800	10,500	9,600	1,512.0	1,680.0	1,488.0
Ohio	2,100	2,000	1,900	252.0	340.0	294.5
South Carolina	1,300	(D)	(D)	208.0	(D)	(D)
Texas	6,400	6,100	4,900	672.0	610.0	475.3
Wisconsin	6,200	5,900	5,100	775.0	737.5	612.0
Other States [1]	.....	3,300	4,100	.....	293.3	285.2
United States	114,700	117,200	110,900	17,320.9	18,912.8	15,450.4

State	Utilized production			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 dollars*		
Alabama	329.0	756.0	615.2	4,442	16,659	15,379
California	1,512.0	1,435.0	1,660.5	34,289	35,485	43,649
Delaware	231.4	(D)	(D)	3,620	(D)	(D)
Florida	3,906.0	5,309.5	4,233.0	118,167	137,601	118,524
Georgia	1,927.0	1,662.5	1,410.0	41,924	43,853	35,212
Michigan	5,454.0	5,625.0	4,123.9	69,146	79,739	55,418
New Jersey	542.5	463.1	240.7	13,645	16,431	7,028
North Carolina	1,512.0	1,664.9	1,482.0	28,913	28,699	25,582
Ohio	252.0	332.2	294.5	4,823	5,376	4,983
South Carolina	208.0	(D)	(D)	4,842	(D)	(D)
Texas	672.0	610.0	475.3	12,136	11,590	8,746
Wisconsin	775.0	736.0	603.4	9,210	11,531	12,913
Other States [1]	-	292.8	282.3	-	5,049	5,433
United States	17,320.9	18,887.0	15,420.8	345,157	392,013	332,867

Utilization and State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 cwt			*Dollars per cwt*			*1,000 dollars*		
Fresh Market									
Alabama	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
California	(D)	(D)	513.1	(D)	(D)	45.60	(D)	(D)	23,397
Delaware	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Florida	2,023.3	1,391.1	(D)	33.00	29.20	(D)	66,769	40,620	(D)
Georgia	1,797.9	(D)	(D)	21.80	(D)	(D)	39,194	(D)	(D)
Michigan	1,292.6	871.9	1,060.9	21.30	27.40	21.20	27,532	23,890	22,491
New Jersey	450.8	(D)	240.7	26.20	(D)	29.20	11,811	(D)	7,028
North Carolina	(D)	445.2	626.4	(D)	22.00	22.40	(D)	9,794	14,031
Ohio	(D)	72.4	88.4	(D)	32.10	27.80	(D)	2,324	2,458
South Carolina	177.0	(D)	(D)	23.80	(D)	(D)	4,213	(D)	(D)
Texas	134.4	122.0	95.1	22.30	25.00	24.00	2,997	3,050	2,282
Wisconsin	17.1	(D)	(D)	51.00	(D)	(D)	872	(D)	(D)
Other States [1]	1,390.2	2,126.1	2,970.9	24.90	32.10	29.80	34,638	68,209	88,433
United States	7,283.3	5,028.7	5,595.5	25.80	29.40	28.60	188,026	147,887	160,120

See footnote(s) at end of table.

Table 4-16.—Cucumbers for fresh market and processing: Area harvested, production, price, and value, by State and United States, 2016–2018—Continued

Utilization and State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	Tons			*Dollars per ton*			*1,000 dollars*		
Processing									
Alabama	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
California	(D)	(D)	57,370	(D)	(D)	353.00	(D)	(D)	20,252
Delaware	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Florida	94,135	195,921	(D)	546.00	495.00	(D)	51,398	96,981	(D)
Georgia	6,455	(D)	(D)	423.00	(D)	(D)	2,730	(D)	(D)
Michigan	208,070	237,656	153,149	200.00	235.00	215.00	41,614	55,849	32,927
New Jersey	4,584	(D)	-	400.00	(D)	(X)	1,834	(D)	-
North Carolina	(D)	60,984	42,780	(D)	310.00	270.00	(D)	18,905	11,551
Ohio	(D)	12,988	10,308	(D)	235.00	245.00	(D)	3,052	2,525
South Carolina	1,550	(D)	(D)	406.00	(D)	(D)	629	(D)	(D)
Texas	26,880	24,400	19,012	340.00	350.00	340.00	9,139	8,540	6,464
Wisconsin	37,898	(D)	(D)	220.00	(D)	(D)	8,338	(D)	(D)
Other States [1]	122,311	160,961	208,649	339.00	378.00	475.00	41,449	60,799	99,028
United States	501,883	692,910	491,268	313.00	352.00	352.00	157,131	244,126	172,747

(D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. [1] Includes data withheld above.
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Table 4-17.—Garlic for fresh market and processing: Area harvested, production, price, and value, by State and United States, 2016–2018

State	Area harvested			Total Production		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
California	30,100	33,000	32,800	4,515.0	5,115.0	5,740.0
United States	30,100	33,000	32,800	4,515.0	5,115.0	5,740.0
State	Utilized production			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 dollars*		
California	4,515.0	5,115.0	5,740.0	333,905	390,021	452,599
United States	4,515.0	5,115.0	5,740.0	333,905	390,021	452,599

Utilization and State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 cwt			*Dollars per cwt*			*1,000 dollars*		
Fresh Market									
California	1,485.4	1,754.4	2,009.0	184.00	184.00	190.00	273,314	322,810	381,710
United States	1,485.4	1,754.4	2,009.0	184.00	184.00	190.00	273,314	322,810	381,710
	Tons			*Dollars per ton*			*1,000 dollars*		
Processing									
California	151,478	168,028	186,550	400.00	400.00	380.00	60,591	67,211	70,889
United States	151,478	168,028	186,550	400.00	400.00	380.00	60,591	67,211	70,889

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Table 4-18.—Honeydew for fresh market: Area harvested, production, price, and value, by State and United States, 2016–2018

State	Area harvested			Yield per acre		
	2016	2017	2018	2016	2017	2018
	Acres			*Cwt*		
California	12,100	11,600	14,900	325.0	290.0	310.0
United States	12,100	11,600	14,900	325.0	290.0	310.0
State	Total production			Utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 cwt*		
California	3,932.5	3,364.0	4,619.0	3,932.5	3,364.0	4,619.0
United States	3,932.5	3,364.0	4,619.0	3,932.5	3,364.0	4,619.0
State	Price			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	Dollars per cwt			*1,000 dollars*		
California	19.10	28.00	19.60	75,111	94,192	90,532
United States	19.10	28.00	19.60	75,111	94,192	90,532

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Table 4-19.—Head lettuce for fresh market: Area harvested, production, price, and value, by State and United States, 2016–2018

State	Area harvested			Yield per acre		
	2016	2017	2018	2016	2017	2018
	Acres			*Cwt*		
Arizona	36,800	39,200	38,600	345.0	315.0	310.0
California	105,500	101,500	81,700	390.0	365.0	350.0
United States	142,300	140,700	120,300	378.4	351.1	337.2
State	Total production			Utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 cwt*		
Arizona	12,696.0	12,348.0	11,966.0	12,696.0	12,348.0	11,966.0
California	41,145.0	37,047.5	28,595.0	41,145.0	37,047.5	28,595.0
United States	53,841.0	49,395.5	40,561.0	53,841.0	49,395.5	40,561.0
State	Price			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	Dollars per cwt			*1,000 dollars*		
Arizona	38.50	45.90	37.90	488,796	566,773	453,511
California	23.00	32.60	26.80	946,335	1,207,749	766,346
United States	26.70	35.90	30.10	1,435,131	1,774,522	1,219,857

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Table 4-20.—Leaf lettuce for fresh market: Area harvested, production, price, and value, by State and United States, 2016–2018

State	Area harvested			Yield per acre		
	2016	2017	2018	2016	2017	2018
	Acres			*Cwt*		
Arizona	9,600	9,400	9,800	245.0	225.0	240.0
California	59,700	57,800	59,500	220.0	200.0	150.0
United States	69,300	67,200	69,300	223.5	203.5	162.7
State	Total production			Utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 cwt*		
Arizona	2,352.0	2,115.0	2,352.0	2,352.0	2,115.0	2,352.0
California	13,134.0	11,560.0	8,925.0	13,134.0	11,560.0	8,925.0
United States	15,486.0	13,675.0	11,277.0	15,486.0	13,675.0	11,277.0
State	Price			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	Dollars per cwt			*1,000 dollars*		
Arizona	64.90	65.40	44.70	152,645	138,321	138,321
California	42.80	60.10	53.80	562,135	694,756	694,756
United States	46.20	60.90	51.90	714,780	833,077	833,077

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Table 4-21.—Romaine lettuce for fresh market: Area harvested, production, price, and value, by State and United States, 2016–2018

State	Area harvested			Yield per acre		
	2016	2017	2018	2016	2017	2018
	Acres			*Cwt*		
Arizona	26,200	27,200	26,900	330.0	340.0	330.0
California	78,900	90,200	72,700	320.0	300.0	280.0
United States	105,100	117,400	99,600	322.5	309.3	293.5
State	Total production			Utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 cwt*		
Arizona	8,646.0	9,248.0	8,877.0	8,646.0	9,248.0	8,877.0
California	25,248.0	27,060.0	20,356.0	25,248.0	27,060.0	20,152.4
United States	33,894.0	36,308.0	29,233.0	33,894.0	36,308.0	29,029.4
State	Price			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	Dollars per cwt			*1,000 dollars*		
Arizona	32.30	55.50	37.50	279,266	513,264	332,888
California	29.80	41.20	28.20	752,390	1,114,872	568,298
United States	30.40	44.80	31.00	1,031,656	1,628,136	901,186

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Table 4-22.—Onions for fresh market and processing: Area harvested, production, price, and value, by State and United States, 2016–2018

State	Area harvested			Total Production		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
California	43,000	44,800	42,500	18,705.0	21,056.0	19,125.0
Colorado	3,100	3,600	2,600	1,395.0	1,656.0	1,170.0
Georgia	11,400	10,800	10,800	2,964.0	3,780.0	2,808.0
Idaho	13,700	12,500	8,400	11,782.0	9,062.5	7,476.0
New Mexico	6,100	7,100	6,500	3,538.0	4,828.0	3,575.0
New York	7,000	6,900	7,200	2,170.0	3,036.0	2,160.0
Oregon	23,500	24,500	19,300	18,120.0	16,163.5	15,494.0
Malheur County	(D)	13,700	11,800	(D)	9,521.5	9,794.0
All other counties	(D)	10,800	7,500	(D)	6,642.0	5,700.0
Texas	9,200	11,500	11,000	2,714.0	2,990.0	3,300.0
Washington	30,900	29,800	21,900	22,402.5	19,817.0	17,301.0
United States	147,900	151,500	130,200	83,790.5	82,389.0	72,409.0

State	Utilized production			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 dollars*		
California	18,705.0	21,056.0	18,819.0	178,165	291,568	182,595
Colorado	1,395.0	1,656.0	1,170.0	21,902	39,413	27,261
Georgia	2,964.0	3,685.5	2,794.0	115,596	128,301	110,519
Idaho	10,309.2	8,962.8	7,461.1	64,994	74,192	48,668
New Mexico	3,538.0	4,828.0	3,575.0	94,465	84,490	67,925
New York	2,170.0	2,620.1	2,108.2	46,655	50,682	41,042
Oregon	15,853.9	16,154.0	15,288.3	242,676	138,036	100,339
Malheur County	(D)	9,512.0	9,588.3	(D)	73,841	60,439
All other counties	(D)	6,642.0	5,700.0	(D)	64,195	39,900
Texas	2,575.6	2,990.0	3,234.0	64,301	73,913	61,380
Washington	19,714.2	18,608.2	16,436.0	230,564	161,495	177,767
United States	77,224.9	80,560.6	70,885.6	1,059,318	1,042,090	817,496

Utilization and State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 cwt			*Dollars per cwt*			*1,000 dollars*		
Fresh Market									
California	9,352.5	15,328.8	8,854.9	10.00	14.50	11.90	93,525	222,268	105,373
Colorado	1,395.0	1,656.0	(D)	15.70	23.80	(D)	21,902	39,413	(D)
Georgia	2,964.0	(D)	(D)	39.00	(D)	(D)	115,596	(D)	(D)
Idaho	7,116.3	7,023.4	5,308.0	6.80	9.10	7.10	48,391	63,913	37,687
New Mexico	3,538.0	4,828.0	3,575.0	26.70	17.50	19.00	94,465	84,490	67,925
New York	2,170.0	2,529.0	(D)	21.50	19.50	(D)	46,655	49,316	(D)
Oregon	8,750.1	9,585.2	(D)	21.30	8.69	(D)	186,363	83,323	(D)
Malheur County	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
All other counties	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Texas	2,562.0	(D)	(D)	25.00	(D)	(D)	64,050	(D)	(D)
Washington	13,822.3	(D)	12,110.7	13.10	(D)	12.00	181,072	(D)	145,328
Other States [1]	.....	19,435.6	18,543.5	(X)	16.70	16.10	.....	324,905	298,795
United States	51,670.2	60,386.0	48,392.1	16.50	14.40	13.50	852,019	867,628	655,108

See footnote(s) at end of table.

Table 4-22.—Onions for fresh market and processing: Area harvested, production, price, and value, by State and United States, 2016–2018—Continued

Utilization and State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	Tons			*Dollars per ton*			*1,000 dollars*		
Processing									
California	467,625	286,362	498,206	181.00	242.00	155.00	84,640	69,300	77,222
Colorado	.....	.....	(D)	(X)	(X)	(D)	.....	.....	(D)
Georgia	.....	(D)	(D)	(X)	(D)	(D)	.....	(D)	(D)
Idaho	159,646	96,969	107,654	104.00	106.00	102.00	16,603	10,279	10,981
New Mexico	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
New York	.....	4,554	(D)	(X)	300.00	(D)	.....	1,366	(D)
Oregon	355,188	328,440	(D)	159.00	167.00	(D)	56,313	54,713	(D)
Malheur County	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
All other counties	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Texas	679	(D)	(D)	370.00	(D)	(D)	251	(D)	(D)
Washington	294,593	(D)	216,263	168.00	(D)	150.00	49,492	(D)	32,439
Other States [1]	.....	292,404	302,549	(X)	133.00	138.00	.....	38,804	41,746
United States	1,277,731	1,008,729	1,124,672	162.00	173.00	144.00	207,299	174,462	162,388

(D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. [1] Includes data withheld above.
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Table 4-23.—Green Peas for fresh market and processing: Area harvested, production, price, and value, by State and United States, 2016–2018

State	Area harvested			Total Production		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
Illinois	6,600	5,600	4,000	297.0	207.2	168.0
Minnesota	46,300	46,000	45,800	1,898.3	1,932.0	1,328.2
New York	8,100	8,900	6,700	283.5	364.9	247.9
Oregon	18,900	20,000	18,900	756.0	700.0	567.0
Washington	32,300	31,200	32,400	1,615.0	1,840.8	1,782.0
Wisconsin	27,100	22,500	23,300	1,273.7	967.5	978.6
United States	139,300	134,200	131,100	6,123.5	6,012.4	5,071.7

State	Utilized production			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 dollars*		
Illinois	297.0	207.2	168.0	4,047	2,223	2,477
Minnesota	1,898.3	1,932.0	1,326.9	23,808	24,651	17,306
New York	283.5	364.9	247.9	3,482	6,760	3,351
Oregon	756.0	700.0	567.0	10,884	8,706	7,190
Washington	1,615.0	1,840.8	1,780.2	27,593	28,772	22,766
Wisconsin	1,273.7	967.5	978.6	13,007	14,363	11,811
United States	6,123.5	6,012.4	5,068.6	82,821	85,475	64,901

Utilization and State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 cwt			*Dollars per cwt*			*1,000 dollars*		
Fresh Market									
Illinois	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Minnesota	1.9	1.9	(D)	104.00	73.10	(D)	198	139	(D)
New York	20.4	20.1	5.5	21.70	115.00	89.00	443	2,312	490
Oregon	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin	2.5	12.6	1.0	169.00	329.00	275.00	423	4,145	275
Other States [1]	32.2	66.1	3.9	150.00	75.60	173.00	4,836	4,999	675
United States	57.0	100.7	10.4	104.00	115.00	138.00	5,900	11,595	1,440

See footnote(s) at end of table.

Table 4-23.—Green Peas for fresh market and processing: Area harvested, production, price, and value, by State and United States, 2016–2018—Continued

Utilization and State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	Tons			*Dollars per ton*			*1,000 dollars*		
Processing									
Illinois	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Minnesota	94,820	96,503	(D)	249.00	254.00	(D)	23,610	24,512	(D)
New York	13,154	17,242	12,122	231.00	258.00	236.00	3,039	4,448	2,861
Oregon	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin	63,558	47,746	48,881	198.00	214.00	236.00	12,584	10,218	11,536
Other States [1]	131,789	134,093	191,913	286.00	259.00	256.00	37,688	34,702	49,064
United States	303,321	295,584	252,916	254.00	250.00	251.00	76,921	73,880	63,461

(D) Withheld to avoid disclosing data for individual operations. [1] Includes data withheld above.
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Table 4-24.—Bell peppers for fresh market and processing: Area harvested, production, price, and value, by State and United States, 2016–2018

State	Area harvested			Total Production		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
California	17,100	15,900	13,500	7,096.5	6,678.0	6,075.0
Florida	12,900	12,000	11,900	3,805.5	4,020.0	3,570.0
Georgia	3,200	3,400	3,200	960.0	986.0	848.0
Michigan	1,700	2,200	2,000	442.0	561.0	480.0
New Jersey	3,400	3,400	3,400	935.0	952.0	935.0
New York	900	900	1,400	261.0	103.5	154.0
North Carolina	2,300	2,100	2,000	575.0	567.0	400.0
Ohio	1,900	1,300	1,400	475.0	292.5	280.0
Pennsylvania	900	1,000	900	148.5	230.0	153.0
United States	44,300	42,200	39,700	14,698.5	14,390.0	12,895.0

State	Utilized production			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 dollars*		
California	7,096.5	6,504.4	6,075.0	226,411	282,452	210,007
Florida	3,805.5	4,020.0	3,570.0	125,962	188,940	180,642
Georgia	960.0	986.0	848.0	32,736	43,581	40,110
Michigan	442.0	561.0	480.0	16,354	15,318	18,220
New Jersey	935.0	951.0	929.4	29,520	39,381	39,726
New York	261.0	97.3	154.0	7,700	5,196	8,455
North Carolina	575.0	567.0	376.0	18,975	25,487	15,685
Ohio	475.0	292.5	280.0	21,279	11,700	12,040
Pennsylvania	148.5	213.9	151.8	7,063	13,522	8,422
United States	14,698.5	14,193.1	12,864.2	486,000	625,577	533,307

Utilization and State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 cwt			*Dollars per cwt*			*1,000 dollars*		
Fresh Market									
California	6,081.7	4,480.9	4,835.7	34.50	54.50	39.20	209,819	244,209	189,559
Florida	3,805.5	4,020.0	3,570.0	33.10	47.00	50.60	125,962	188,940	180,642
Georgia	960.0	986.0	848.0	34.10	44.20	47.30	32,736	43,581	40,110
Michigan	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
New Jersey	696.6	(D)	865.8	36.90	(D)	44.80	25,705	(D)	38,788
New York	(D)	97.3	154.0	(D)	53.40	54.90	(D)	5,196	8,455
North Carolina	575.0	(D)	(D)	33.00	(D)	(D)	18,975	(D)	(D)
Ohio	(D)	(D)	280.0	(D)	(D)	43.00	(D)	(D)	12,040
Pennsylvania	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other States [1]	1,301.4	2,419.7	981.1	39.60	42.40	42.30	51,600	102,575	41,468
United States	13,420.2	12,003.9	11,534.6	34.60	48.70	44.30	464,797	584,501	511,062

See footnote(s) at end of table.

Table 4-24.—Bell peppers for fresh market and processing: Area harvested, production, price, and value, by State and United States, 2016–2018—Continued

Utilization and State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	Tons			*Dollars per ton*			*1,000 dollars*		
Processing									
California	50,740	101,172	61,965	327.00	378.00	330.00	16,592	38,243	20,448
Florida	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Georgia	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Michigan	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
New Jersey	11,921	(D)	3,179	320.00	(D)	295.00	3,815	(D)	938
New York	(D)	.....	.....	(X)	(X)	(X)	.....	.....	.....
North Carolina	.....	(D)	(D)	(X)	(D)	(D)	.....	(D)	(D)
Ohio	(D)	(D)	.....	(D)	(D)	(X)	(D)	(D)	.....
Pennsylvania	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other States [1]	1,257	8,293	1,336	633.00	342.00	643.00	796	2,833	859
United States	63,918	109,465	66,480	332.00	375.00	335.00	21,203	41,076	22,245

(D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. [1] Includes data withheld above.
NASS, Crops Branch, (202) 720–2127.

Table 4-25.—Chili peppers for fresh market and processing: Area harvested, production, price, and value, by State and United States, 2016–2018

State	Area harvested			Total Production		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
Arizona	1,600	1,200	1,100	121.6	78.0	66.0
California	5,600	4,800	2,700	2,548.0	1,872.0	1,039.5
New Mexico	8,700	7,600	7,900	1,392.0	1,254.0	1,422.0
Texas	2,300	2,400	2,500	115.0	132.0	137.5
United States	18,200	16,000	14,200	4,176.6	3,336.0	2,665.0

State	Utilized production			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 dollars*		
Arizona	121.6	78.0	66.0	4,439	2,039	2,660
California	2,548.0	1,872.0	1,039.5	82,921	58,874	29,468
New Mexico	1,392.0	1,254.0	1,422.0	51,028	44,553	53,766
Texas	109.6	132.0	137.5	6,576	8,096	8,873
United States	4,171.2	3,336.0	2,665.0	144,964	113,562	94,767

Utilization and State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 cwt			*Dollars per cwt*			*1,000 dollars*		
Fresh Market									
Arizona	8.0	(D)	(D)	22.50	(D)	(D)	180	(D)	(D)
California	1,620.5	280.8	187.1	34.20	44.20	43.60	55,421	12,411	8,158
New Mexico	261.7	263.3	270.2	39.50	30.00	37.00	10,337	7,899	9,997
Texas	65.2	(D)	(D)	60.00	(D)	(D)	3,912	(D)	(D)
Other States [1]	.....	55.9	94.5	(X)	53.10	64.80	.....	2,968	6,128
United States	1,955.4	600.0	551.8	35.70	38.80	44.00	69,850	23,278	24,283
	Tons			*Dollars per ton*			*1,000 dollars*		
Processing									
Arizona	5,679	(D)	(D)	750.00	(D)	(D)	4,259	(D)	(D)
California	46,374	79,560	42,620	593.00	584.00	500.00	27,500	46,463	21,310
New Mexico	56,515	49,533	57,591	720.00	740.00	760.00	40,691	36,654	43,769
Texas	2,220	(D)	(D)	1,200.00	(D)	(D)	2,664	(D)	(D)
Other States [1]	.....	7,704	5,448	(X)	930.00	992.00	.....	7,167	5,405
United States	110,788	136,797	105,659	678.00	660.00	667.00	75,114	90,284	70,484

(D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. [1] Includes data withheld above.
NASS, Crops Branch, (202) 720–2127.

Table 4-26.—Potatoes: Area, yield, production, season average price, and value, United States, 2009–2018

Year	Area planted	Area harvested	Yield per harvested acre	Production	Season average price per cwt received by farmers	Value of production
	1,000 acres	*1,000 acres*	*Cwt*	*1,000 cwt*	*Dollars*	*1,000 dollars*
2009	1,071.2	1,044.0	414	432,601	8.25	3,557,574
2010	1,026.7	1,008.9	401	404,549	9.20	3,724,821
2011	1,100.7	1,078.5	399	430,037	9.41	4,044,869
2012	1,154.8	1,138.5	408	464,970	8.63	4,017,245
2013	1,063.9	1,050.9	414	434,652	9.75	4,237,284
2014	1,062.6	1,051.1	421	442,170	8.88	3,928,211
2015	1,066.1	1,054.4	418	441,205	8.76	3,865,538
2016	1,056.7	1,037.7	434	450,324	9.08	4,090,689
2017	1,052.6	1,044.5	432	450,921	9.17	4,133,073
2018	1,026.5	1,014.8	443	450,020	8.90	4,006,340

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Table 4-27.—Potatoes: Area harvested, yield, and production by seasonal group, by State and United States, 2016–2018

Season and State	Area harvested			Yield			Production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*Cwt*	*Cwt*	*Cwt*	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
Spring:									
California	30.4	33.5	31.0	390	435	395	11,856	14,573	12,245
Florida	22.9	28.7	20.8	235	250	265	5,382	7,175	5,512
United States	53.3	62.2	51.8	323	350	343	17,238	21,748	17,757
Summer:									
Illinois	7.4	8.1	7.6	380	410	375	2,812	3,321	2,850
Kansas	4.2	4.1	3.3	300	380	430	1,260	1,558	1,419
Maryland	(D)	2.5	2.0	(D)	365	255	(D)	913	510
Missouri	7.9	8.5	7.4	305	285	225	2,410	2,423	1,665
New Jersey	(D)	2.0	2.0	(D)	300	265	(D)	600	530
North Carolina	13.6	15.1	12.2	220)	230	190	2,992	3,473	2,318
Texas	21.0	22.8	17.5	395	390	425	8,295	8,892	7,438
Virginia	4.1	4.5	4.4	290	265	235	1,189	1,193	1,034
Other States [1]	4.6	.....	.....	313	.....	.....	1,440	.....	.....
United States	62.8	67.6	56.4	325	331	315	20,398	22,373	17,764
Fall:									
Alaska [2]	(X)	(X)	0.5	(X)	(X)	280	(X)	(X)	140
California	7.9	8.2	7.3	445	405	440	3,516	3,321	3,212
Colorado	57.1	55.6	55.0	389	382	395	22,236	21,220	21,722
San Luis Valley	51.5	51.5	51.6	385	375	390	19,828	19,313	20,124
All other areas	5.6	4.1	3.4	430	465	470	2,408	1,907	1,598
Idaho	324.0	310.0	315.0	430	435	450	139,320	134,850	141,750
Maine	46.5	47.5	48.5	325	320	310	15,113	15,200	15,035
Michigan	47.0	49.5	48.0	370	370	380	17,390	18,315	18,240
Minnesota	43.0	45.5	43.5	400	405	430	17,200	18,428	18,705
Montana	11.0	11.1	11.1	335	340	350	3,685	3,774	3,885
Nebraska	16.4	19.0	19.3	450	475	480	7,380	9,025	9,264
New York	14.8	14.4	13.4	240	280	290	3,552	4,032	3,886
North Dakota	72.0	74.0	73.0	300	330	325	21,600	24,420	23,725
Oregon	44.9	45.9	45.0	590	550	600	26,491	25,245	27,000
Washington	169.0	164.0	160.0	625	605	630	105,625	99,220	100,800
Wisconsin	68.0	70.0	67.0	435	425	405	29,580	29,750	27,135
United States [3]	921.6	914.7	906.6	448	445	457	412,688	406,800	414,499
All Potatoes:									
United States [3]	1,037.7	1,044.5	1,014.8	434	432	443	450,324	450,921	450,020

(D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. [1] Includes data withheld above. [2] Previously included in Alaska table. [3] Beginning in 2018, United States total includes data for Alaska.
NASS, Crops Branch, (202) 720–2127.

Table 4-28.—Fall potatoes: Stocks held by growers, local dealers, and processors [1] - 13 Fall States: 2017 and 2018 [1]

State	Current year	Following year		
	Dec. 1, 2017	Feb. 1, 2018	Apr. 1, 2018	June 1, 2018
	1,000 cwt			
California	2,600	1,800	1,100	(D)
Colorado	15,300	11,400	7,200	2,800
Idaho	96,000	75,000	52,000	27,000
Maine	11,500	8,500	5,000	1,700
Michigan	11,000	6,900	3,800	(D)
Minnesota	13,600	10,400	7,200	3,900
Montana	3,500	3,400	2,800	240
Nebraska	5,400	3,900	2,100	(D)
New York	2,300	1,300	800	300
North Dakota	20,600	15,300	9,600	4,000
Oregon	19,800	13,300	8,300	3,500
Washington	57,000	45,000	29,000	13,000
Wisconsin	19,300	14,400	9,900	5,300
Other States [2]	.....	.....	.....	2,000
United States	277,900	210,600	138,800	63,740
Klamath Basin [3]	5,000	3,300	1,800	(D)

State	Current year	Following year		
	Dec. 1, 2018	Feb. 1, 2019	Apr. 1, 2019	June 1, 2019
	1,000 cwt			
California	2,200	(D)	900	(D)
Colorado	15,600	11,600	7,600	3,000
Idaho	101,000	79,000	57,000	34,000
Maine	10,900	7,800	4,700	1,500
Michigan	10,500	6,700	3,400	300
Minnesota	12,800	9,700	6,700	4,200
Montana	3,700	3,600	3,100	70
Nebraska	5,000	3,700	2,300	(D)
New York	2,000	(D)	800	400
North Dakota	17,000	11,700	6,900	2,800
Oregon	21,100	14,500	9,800	3,900
Washington	57,500	46,000	29,500	14,800
Wisconsin	20,000	15,700	12,000	4,700
Other States [2]	.....	2,800	.....	700
United States	279,300	212,800	144,700	70,370
Klamath Basin [3]	5,100	(D)	1,700	(D)

(D) Withheld to avoid disclosing data for individual operations. [1] Stocks are defined as the quantity (whether sold or not) remaining in storage for all purposes and uses, including seed potatoes that are not yet moved, and shrinkage, waste, and other losses that occur after the date of each estimate. [2] Includes data withheld above. [3] Includes potato stocks in California and Klamath County, Oregon.

NASS, Crops Branch, (202) 720–2127.

Table 4-29.—Fall potatoes: Production and total stocks held by growers and local dealers, 13 Major States, 2009–2018

Crop year	Production	Total stocks			
		Dec. 1	Following year		
			Feb. 1	Apr. 1	June 1
	1,000 cwt	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
2009	383,962	265,800	203,500	128,700	55,120
2010	357,467	240,200	180,300	111,000	41,320
2011	382,318	253,000	187,500	115,650	43,340
2012	410,367	271,500	204,600	(NA)	(NA)
2013	386,824	(NA)	(NA)	119,050	46,885
2014	396,798	265,700	200,800	128,700	56,335
2015	404,701	262,700	198,100	125,700	51,280
2016	450,324	275,800	213,000	142,600	67,570
2017	450,921	277,900	210,600	138,800	63,740
2018	450,020	279,300	212,800	144,700	70,370

(NA) Not available.

NASS, Crops Branch, (202) 720–2127.

Table 4-30.—Potatoes: Production, seed used, and disposition, United States, 2009–2018

Year	Production	Total used for seed	Used on farms where produced		Sold
			For seed, feed, and household use	Shrinkage and loss	
	1,000 cwt				
2009	432,601	24,027	4,535	29,135	398,931
2010	404,549	25,100	4,227	24,996	375,326
2011	430,037	26,527	4,146	27,789	398,102
2012	464,970	25,656	4,850	28,505	431,615
2013	434,652	25,249	4,323	26,211	404,118
2014	442,170	26,259	4,192	26,762	411,216
2015	441,205	25,715	4,631	26,509	410,065
2016	450,324	26,167	4,437	26,883	419,004
2017	450,921	24,673	4,410	25,139	421,372
2018	450,020	24,973	4,047	25,526	420,447

NASS, Crops Branch, (202) 720–2127.

Table 4-31.—Potatoes: Utilization and processing, Program States, 2017 and 2018

Utilization items	2017	2018
	1,000 cwt	*1,000 cwt*
Sales		
Table stock	109,824	106,462
Processing	284,411	289,209
Other sales		
Livestock feed	1,913	697
Seed	25,224	24,079
Other Sales Total	27,137	24,776
Total sales	421,372	420,447
Non-sales		
Seed used on farms where grown	3,526	3,491
Household use and used for feed on farms where grown	884	556
Shrinkage and loss	25,139	25,526
Total non-sales	29,549	29,573
Total production	450,921	450,020
Processing - United States	2016	2017
	1,000 cwt	*1,000 cwt*
Processing		
Chips and shoestring	58,751	62,700
All Dehydrated (including starch and flour)	45,761	49,066
Frozen french fries	155,798	162,640
Other frozen products	13,803	15,956
Canned potatoes	1,152	1,113
Other canned products (hash, stews, soups)	703	758
Other (including fresh pack, potato salad, vodka, etc)	6,160	5,550
Total	282,128	297,783

NASS, Crops Branch, (202) 720–2127.

Table 4-32.—Potatoes: Production, seed use, and farm disposition, by seasonal groups, by States and United States, 2017 crop [1]

Season and State	Production	Total used for seed	Used on farms where produced		Sold
			For seed, feed, and household use	Shrinkage and loss	
	1,000 cwt				
Spring					
California	14,573	776	227	291	14,055
Florida	7,175	684	17	145	7,013
United States	21,748	1,460	244	436	21,068
Summer					
Illinois	3,321	127	.....	33	3,288
Kansas	1,558	114	.....	.....	1,558
Maryland	913	(D)	(D)	(D)	(D)
Missouri	2,423	183	.....	.....	2,423
New Jersey	600	(D)	(D)	(D)	(D)
North Carolina	3,473	294	1	1	3,471
Texas	8,892	420	22	.....	8,870
Virginia	1,193	93	.....	4	1,189
Other States [2]	.....	84	1	1	1,511
United States	22,373	1,315	24	39	22,310
Fall					
California	3,321	203	.....	13	3,308
Colorado	21,220	1,383	981	1,550	18,689
Idaho	134,850	7,529	808	8,300	125,742
Maine	15,200	1,092	221	879	14,100
Michigan	18,315	1,344	379	623	17,313
Minnesota	18,428	880	86	1,071	17,271
Montana	3,774	264	275	189	3,310
Nebraska	9,025	546	259	640	8,126
New York	4,032	375	56	236	3,740
North Dakota	24,420	1,517	200	1,500	22,720
Oregon	25,245	882	271	1,575	23,399
Washington	99,220	4,208	263	6,040	92,917
Wisconsin	29,750	1,675	343	2,048	27,359
United States	406,800	21,898	4,142	24,664	377,994
All potatoes					
United States	450,921	24,673	4,4104	25,139	421,372

(D) Withheld to avoid disclosing data for individual operations. [1] Totals may not add due to rounding. [2] Includes data withheld above.

NASS, Crops Branch, (202) 720–2127.

Table 4-33.—Potatoes: Production, seed use, and farm disposition, by seasonal groups, by States and United States, 2018 crop [1]

Season and State	Production	Total used for seed	Used on farms where produced		Sold
			For seed, feed, and household use	Shrinkage and loss	
	1,000 cwt				
Spring					
California	12,245	748	4	495	11,746
Florida	5,512	564	1	82	5,429
United States	17,757	1,312	5	577	17,175
Summer					
Illinois	2,850	214		20	2,830
Kansas	1,419	92			1,419
Maryland	510	48	1	1	508
Missouri	1,665	163		210	1,455
New Jersey	530	33		1	529
North Carolina	2,318	391			2,318
Texas	7,438	401	28	25	7,385
Virginia	1,034	119			1,034
United States	17,764	1,461	29	257	17,478
Fall					
California	3,212	195		62	3,150
Colorado	21,722	1,350	945	1,616	19,161
Idaho	141,750	7,592	795	8,700	132,255
Maine	15,035	1,100	252	783	14,000
Michigan	18,240	1,400	373	680	17,187
Minnesota	18,705	738	67	1,028	17,610
Montana	3,885	289	202	190	3,493
Nebraska	9,264	566	217	825	8,222
New York	3,886	343	45	181	3,660
North Dakota	23,725	1,548	150	2,000	21,575
Oregon	27,000	1,148	341	1,680	24,979
Washington	100,800	4,241	258	5,800	94,742
Wisconsin	27,135	1,680	344	1,136	25,655
United States	414,499	22,200	4,013	24,692	385,794
All potatoes					
United States	450,020	24,973	4,047	25,526	420,447

[1] United States and totals may not add due to rounding.
NASS, Crops Branch, (202) 720–2127.

Table 4-34.—Potatoes, fresh & seed: United States exports by country of destination and imports by country of origin, 2016–2018

Country	2016	2017	2018
	Metric tons		
Imports			
Canada	495,839	501,708	486,552
Colombia	10	50	40
Ecuador	13	30	32
China	0	0	4
Peru	0	1	3
Costa Rica	9	0	3
Brazil	30	0	0
Ghana	0	9	0
Netherlands	0	24	0
World Total	495,900	501,823	486,634
Exports			
Canada	240,642	265,096	205,664
Mexico	91,815	93,206	113,027
Japan	41,684	39,876	33,914
Taiwan	35,929	42,883	30,443
Korea, South	8,913	20,974	22,639
Philippines	13,270	22,271	12,090
Honduras	9,344	10,175	10,227
Malaysia	11,018	12,355	9,743
Dominican Republic	5,191	6,230	8,207
Thailand	3,681	3,057	5,726
Singapore	5,643	5,489	4,862
Hong Kong	3,108	3,648	3,395
Panama	2,767	3,139	2,981
Guatemala	2,221	3,032	2,411
Leeward-Windward Islands(*)	1,134	1,212	1,747
Vietnam	162	221	1,557
Bahamas, The	1,320	1,531	1,495
Costa Rica	658	1,270	1,021
Cayman Islands	558	743	968
Nicaragua	1,883	809	963
Indonesia	1,403	1,884	728
United Arab Emirates	800	558	653
Trinidad and Tobago	811	807	601
China	686	598	581
French Pacific Islands(*)	193	262	449
Senegal	218	657	441
El Salvador	531	618	406
Netherlands Antilles(*)	444	285	389
Peru	0	173	382
Bermuda	247	262	302
Rest of World	2,682	2,891	1,621
World Total	488,954	546,209	479,633

(*) Denotes a country that is a summarization of its component countries.
FAS, Office of Global Analysis, (202) 720-6301.

Table 4-35.—Potatoes (fresh market): Foreign trade, United States, 2009–2018 [1]

Year beginning July	Imports for consumption	Domestic exports
	1,000 cwt.	*1,000 cwt.*
2009/2010	9,050	8,183
2010/2011	10,384	9,294
2011/2012	9,041	9,348
2012/2013	7,375	10,467
2013/2014	10,833	10,001
2014/2015	8,514	9,369
2015/2016	10,103	10,135
2016/2017	11,265	11,306
2017/2018	10,852	10,865
2018/2019	.....	.....

[1] Includes seed.
ERS, (202) 694–5253. Based on data from U.S. Department of Commerce, U.S. Census Bureau.

Table 4-36.—Pumpkins for fresh market and processing: Area harvested, production, price, and value, by State and United States, 2016–2018 [1]

State	Area harvested			Total Production		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
California	4,800	4,400	4,900	1,296.0	1,452.0	1,347.5
Illinois	17,400	17,400	11,000	6,786.0	6,438.0	5,170.0
Indiana	7,000	6,000	5,500	945.0	960.0	1,265.0
Michigan	5,100	4,900	5,400	790.5	759.5	1,026.0
Minnesota	2,000	1,800	1,400	220.0	162.0	427.0
New Jersey	2,000	2,100	1,700	200.0	199.5	110.5
New York	5,700	5,600	5,700	655.5	588.0	467.4
North Carolina	2,900	2,700	2,300	754.0	567.0	253.0
Ohio	3,500	3,500	3,700	525.0	595.0	666.0
Oregon	2,100	2,500	2,500	483.0	450.0	675.0
Pennsylvania	7,000	6,900	5,700	1,190.0	1,138.5	655.5
Tennessee	1,400	1,400	1,600	210.0	124.6	116.8
Texas	4,000	4,500	4,900	1,640.0	877.5	1,617.0
Virginia	3,600	3,200	3,500	612.0	720.0	717.5
Washington	2,900	2,600	2,400	522.0	468.0	300.0
Wisconsin	3,200	2,800	3,700	352.0	420.0	244.2
United States	74,600	72,300	65,900	17,181.0	15,919.6	15,058.4

State	Utilized production			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 dollars*		
California	1,296.0	1,450.5	1,339.4	23,976	20,742	27,592
Illinois	6,786.0	6,302.8	5,139.0	42,824	24,421	13,751
Indiana	945.0	959.0	1,252.4	13,608	18,457	16,971
Michigan	790.5	758.0	1,010.6	11,909	8,314	14,947
Minnesota	206.8	139.3	419.3	3,950	3,691	12,369
New Jersey	200.0	198.1	108.8	5,340	6,101	4,178
New York	655.5	570.4	435.1	12,717	11,123	8,037
North Carolina	754.0	560.8	250.5	18,661	10,437	6,689
Ohio	525.0	586.7	652.0	9,362	7,968	10,684
Oregon	458.9	427.5	645.3	5,146	6,514	9,781
Pennsylvania	1,190.0	1,110.0	620.8	24,158	19,503	13,852
Tennessee	210.0	111.6	103.4	4,641	2,132	2,264
Texas	1,640.0	864.3	1,615.4	17,056	23,163	24,069
Virginia	612.0	718.6	689.5	18,421	10,348	10,343
Washington	495.9	446.5	296.1	13,538	12,604	11,844
Wisconsin	330.9	396.5	214.7	6,254	11,023	2,791
United States	17,096.5	15,600.6	14,792.3	231,561	196,541	190,162

See footnote(s) at end of table.

Table 4-36.—Pumpkins for fresh market: Area harvested, production, price, and value, by State and United States, 2016–2018 [1]—Continued

Utilization and State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 cwt			*Dollars per cwt*			*1,000 dollars*		
Fresh Market									
California	1,296.0	1,450.5	1,339.4	18.50	14.30	20.60	23,976	20,742	27,592
Illinois	(D)	(D)	325.7	(D)	(D)	16.80	(D)	(D)	5,472
Indiana	945.0	(D)	(D)	14.40	(D)	(D)	13,608	(D)	(D)
Michigan	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Minnesota	206.8	139.3	419.3	19.10	26.50	29.50	3,950	3,691	12,369
New Jersey	200.0	198.1	108.8	26.70	30.80	38.40	5,340	6,101	4,178
New York	655.5	570.4	(D)	19.40	19.50	(D)	12,717	11,123	(D)
North Carolina	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Ohio	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oregon	(D)	(D)	276.1	(D)	(D)	25.80	(D)	(D)	7,123
Pennsylvania	1,162.6	(D)	(D)	20.70	(D)	(D)	24,066	(D)	(D)
Tennessee	210.0	111.6	103.4	22.10	19.10	21.90	4,641	2,132	2,264
Texas	1,640.0	864.3	1,615.4	10.40	26.80	14.90	17,056	23,163	24,069
Virginia	612.0	718.6	689.5	30.10	14.40	15.00	18,421	10,348	10,343
Washington	(D)	(D)	296.1	(D)	(D)	40.00	(D)	(D)	11,844
Wisconsin	330.9	396.5	214.7	18.90	27.80	13.00	6,254	11,023	2,791
Other States [1]	4,340.6	5,234.5	4,161.2	20.70	18.10	17.00	89,744	94,540	70,614
United States	11,599.4	9,683.8	9,549.6	18.90	18.90	18.70	219,773	182,863	178,659
	Tons			*Dollars per ton*			*1,000 dollars*		
Processing									
California	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Illinois	(D)	(D)	240,664	(D)	(D)	34.40	(D)	(D)	8,279
Indiana	.....	(D)	(D)	(X)	(D)	(D)	.....	(D)	(D)
Michigan	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Minnesota	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
New Jersey	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
New York	.....	.....	(D)	(X)	(X)	(D)	.....	.....	(D)
North Carolina	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Ohio	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oregon	(D)	(D)	18,461	(D)	(D)	144.00	(D)	(D)	2,658
Pennsylvania	1,369	(D)	(D)	66.90	(D)	(D)	92	(D)	(D)
Tennessee	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Texas	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Virginia	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Washington	(D)	(D)	.....	(D)	(D)	(X)	(D)	(D)	.....
Wisconsin	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Other States [1]	273,486	295,841	3,009	42.80	46.20	188.00	11,696	13,678	566
United States	274,855	295,841	262,134	42.90	46.20	43.90	11,788	13,678	11,503

(D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. [1] Includes data withheld above.
NASS, Crops Branch, (202) 720–2127.

Table 4-37.—Spinach for fresh market and processing: Area Harvested, production, price, and value, by State and United States, 2016–2018

State	Area harvested			Utilized production		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
Arizona	11,200	12,200	11,100	2,016.0	1,830.0	1,887.0
California	39,000	46,400	44,200	5,070.0	5,104.0	5,525.0
Colorado	(D)	(D)	(D)	(D)	(D)	(D)
Maryland	(D)	(D)	(D)	(D)	(D)	(D)
New Jersey	2,400	2,100	2,000	396.0	315.0	230.0
Texas	4,000	2,800	2,800	980.0	672.0	700.0
Other States [1]	1,300	1,230	1,350	118.5	169.6	138.5
United States	57,900	64,730	61,450	8,580.5	8,090.6	8,480.5

State	Price per cwt			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	Dollars			*1,000 dollars*		
Arizona	46.20	53.30	44.40	93,139	97,539	83,783
California	50.70	67.20	57.30	256,978	342,809	316,699
Colorado	(D)	(D)	(D)	(D)	(D)	(D)
Maryland	(D)	(D)	(D)	(D)	(D)	(D)
New Jersey	35.60	28.70	22.70	14,111	9,039	5,230
Texas	10.50	28.80	19.10	10,245	19,369	13,346
Other States [1]	32.70	12.40	27.60	3,872	2,104	3,821
United States	44.10	58.20	49.90	378,345	470,860	422,879

State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 cwt			*Dollars per cwt*			*1,000 dollars*		
Fresh Market									
Arizona	2,016.0	1,830.0	1,887.0	46.20	53.30	44.40	93,139	97,539	83,783
California	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Colorado	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Maryland	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
New Jersey	254.2	(D)	(D)	47.90	(D)	(D)	12,176	(D)	(D)
Texas	276.4	463.7	287.0	26.50	39.30	38.80	7,325	18,223	11,136
Other States [1]	4,417.8	4,339.9	4,724.4	57.20	78.50	66.10	252,805	340,801	312,356
United States	6,964.4	6,633.6	6,898.4	52.50	68.80	59.00	365,445	456,563	407,275
	Tons			*Dollars per ton*			*1,000 dollars*		
Processing									
Arizona	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
California	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Colorado	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Maryland	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
New Jersey	7,088	(D)	(D)	273.00	(D)	(D)	1,935	(D)	(D)
Texas	35,182	10,416	20,650	83.00	110.00	107.00	2,920	1,146	1,146
Other States [1]	38,529	62,434	58,457	209.00	211.00	229.00	8,045	13,151	13,151
United States	80,799	72,850	79,107	160.00	196.00	197.00	12,900	14,297	14,297

(D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. [1] Includes data withheld above.
NASS, Crops Branch, (202) 720–2127.

Table 4-38.—Squash for fresh market and processing: Area Harvested, production, price, and value, by State and United States, 2016–2018

State	Area harvested			Total production		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
California	7,800	7,700	6,700	1,560.0	1,309.0	1,038.5
Florida	6,900	7,500	(D)	793.5	975.0	(D)
Georgia	3,600	3,300	(D)	594.0	511.5	(D)
Michigan	9,300	9,200	8,700	2,232.0	2,116.0	1,914.0
New Jersey	2,900	3,300	3,500	333.5	363.0	325.5
New York	5,600	5,400	4,900	952.0	810.0	808.5
North Carolina	3,700	2,800	3,500	244.2	271.6	612.5
Oregon	4,400	5,000	4,300	1,276.0	1,500.0	1,333.0
Texas	1,900	1,700	1,500	171.0	153.0	88.5
Other States [1]	.....	.....	11,700	.....	.....	1,272.0
United States	46,100	45,900	44,800	8,156.2	8,009.1	7,392.5

State	Utilized production			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 dollars*		
California	1,560.0	1,288.1	968.9	43,796	45,022	30,973
Florida	793.5	970.1	(D)	35,787	39,095	(D)
Georgia	594.0	506.4	(D)	22,572	22,180	(D)
Michigan	2,232.0	2,116.0	1,883.4	33,570	42,838	37,072
New Jersey	333.5	362.6	307.3	10,921	16,313	8,387
New York	952.0	802.7	805.3	27,936	30,737	24,174
North Carolina	244.2	271.1	611.3	7,326	12,313	18,306
Oregon	1,276.0	1,500.0	1,333.0	10,981	17,369	13,194
Texas	171.0	153.0	88.2	7,042	9,746	3,481
Other States [1]	.....	.....	1,252.9	.....	.....	57,335
United States	8,156.2	7,970.0	7,250.3	199,931	235,613	192,922

State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 cwt			*Dollars per cwt*			*1,000 dollars*		
Fresh Market									
California	1,429.0	(D)	884.8	29.80	(D)	33.20	42,584	(D)	29,375
Florida	793.5	970.1	(D)	45.10	40.30	(D)	35,787	39,095	(D)
Georgia	594.0	506.4	(D)	38.00	43.80	(D)	22,572	22,180	(D)
Michigan	(D)	1,299.2	1,225.0	(D)	28.10	26.50	(D)	36,508	32,463
New Jersey	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
New York	608.3	(D)	(D)	31.80	(D)	(D)	19,344	(D)	(D)
North Carolina	244.2	(D)	(D)	30.00	(D)	(D)	7,326	(D)	(D)
Oregon	(D)	217.5	122.6	(D)	43.00	46.90	(D)	9,353	5,750
Texas	(D)	153.0	(D)	(D)	63.70	(D)	(D)	9,746	(D)
Other States [1]	1,479.3	2,598.4	2,883.8	28.90	39.40	37.30	42,784	102,251	107,629
United States	5,148.3	5,744.6	5,116.2	33.10	38.10	34.20	170,397	219,133	175,217
	Tons			*Dollars per ton*			*1,000 dollars*		
Processing									
California	6,552	(D)	4,206	185.00	(D)	380.00	1,212	(D)	1,598
Florida	.....	.....	(D)	(X)	(X)	(D)	.....	.....	(D)
Georgia	.....	.....	(D)	(X)	(X)	(D)	.....	.....	(D)
Michigan	(D)	40,839	32,921	(D)	155.00	140.00	(D)	6,330	4,609
New Jersey	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
New York	17,184	(D)	(D)	500.00	(D)	(D)	8,592	(D)	(D)
North Carolina	.....	(D)	(D)	(X)	(D)	(D)	.....	(D)	(D)
Oregon	(D)	64,125	60,518	(D)	125.00	123.00	(D)	8,016	7,444
Texas	(D)	.....	(D)	(D)	(X)	(D)	(D)	.....	(D)
Other States [1]	126,662	6,304	9,057	156.00	339.00	448.00	19,730	2,134	4,054
United States	150,398	111,268	106,702	196.00	148.00	166.00	29,534	16,480	17,705

(D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. [1] Includes data withheld above.
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Table 4-39.—Sweet Potatoes: Area, yield, production, season average price per hundredweight received by farmers, and value, United States, 2009–2018

Year	Area harvested	Yield per acre	Production	Market year average price [1]	Value of production
	1,000 acres	*Cwt*	*1,000 cwt*	*Dollars*	*1,000 dollars*
2009	96.9	201	19,469	21.80	423,677
2010	116.9	204	23,845	19.80	472,218
2011	129.7	208	26,964	18.80	505,938
2012	126.6	209	26,482	17.40	461,861
2013	113.2	219	24,785	24.10	597,217
2014	135.2	219	29,584	23.90	706,916
2015	153.1	203	31,016	21.80	675,583
2016	163.3	193	31,546	20.70	651,514
2017	159.3	224	35,646	18.40	657,021
2018	144.4	190	27,378	23.90	654,060

[1] Obtained by weighting State prices by production.
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Table 4-40 .—Sweet Potatoes: Area harvested, production, season average price, and value, by State and United States, 2016–2018

State	Area harvested			Production		
	2016	2017	2018	2016	2017	2018
	1,000 Acres			*1,000 cwt*		
Arkansas	(D)	(D)	4.8	(D)	(D)	1,056
California	20.0	21.0	21.0	6,200	6,510	7,770
Florida	(D)	(D)	5.8	(D)	(D)	812
Louisiana	9.5	9.5	8.3	1,520	2,185	2,200
Mississippi	29.0	29.0	26.0	4,930	4,930	4,550
North Carolina	95.0	89.5	78.5	17,100	19,690	10,990
Other States [2]	9.8	10.3	.....	1,796	2,331	.....
United States	163.3	159.3	144.4	31,546	35,646	27,378

State	Price per cwt			Value of production		
	2016	2017	2018 [1]	2016	2017	2018 [1]
	Dollars			*1,000 dollars*		
Arkansas	(D)	(D)	21.70	(D)	(D)	22,915
California	23.10	23.70	25.60	143,220	154,287	198,912
Florida	(D)	(D)	41.90	(D)	(D)	34,023
Louisiana	21.30	19.90	25.00	32,376	43,482	55,000
Mississippi	22.80	18.50	23.50	112,404	91,205	106,925
North Carolina	18.10	15.30	21.50	309,510	301,257	236,285
Other States [2]	30.10	28.70	.....	54,004	66,790	.....
United States	20.70	18.40	23.90	651,514	657,021	654,060

(D) Withheld to avoid disclosing data for individual operations. [1] Preliminary. [2] Includes data withheld above.
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Table 4-41.—Tomatoes for fresh market and processing: Area Harvested, production, and value, by State and United States, 2016–2018

State	Area harvested			Total production		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
California	285,300	247,700	260,600	260,764.2	221,691.5	255,388.0
Florida	28,000	28,000	27,000	7,280.0	8,400.0	7,560.0
Indiana	8,000	7,800	7,600	5,200.0	4,602.0	4,940.0
Michigan	5,700	5,500	5,000	3,163.5	3,080.0	2,750.0
New Jersey	3,800	4,000	4,100	988.0	1,120.0	943.0
North Carolina	3,400	3,200	3,000	1,054.0	1,056.0	870.0
Ohio	5,600	5,500	5,400	2,828.0	2,695.0	2,808.0
South Carolina	3,300	2,800	3,200	924.0	1,036.0	1,152.0
Tennessee	3,600	3,600	4,000	1,206.0	1,278.0	1,240.0
Virginia	2,400	2,400	2,000	504.0	696.0	420.0
United States	349,100	310,500	321,900	283,911.7	245,654.5	278,071.0

State	Utilized production			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 dollars*		
California	260,764.2	216,592.6	253,855.7	1,310,483	1,075,824	1,197,642
Florida	7,280.0	7,988.4	6,766.2	382,200	262,020	336,496
Indiana	5,200.0	4,602.0	4,940.0	30,954	30,519	31,530
Michigan	3,163.5	3,067.7	2,750.0	33,919	35,987	35,352
New Jersey	988.0	1,118.9	716.7	51,626	39,202	42,411
North Carolina	1,054.0	999.0	863.9	57,127	46,116	33,845
Ohio	2,828.0	2,695.0	2,808.0	46,862	48,626	52,173
South Carolina	924.0	1,033.9	1,150.8	32,340	34,429	44,881
Tennessee	1,206.0	1,265.2	1,215.2	48,310	61,719	54,176
Virginia	504.0	692.5	409.1	23,184	43,518	27,774
United States	283,911.7	240,055.2	275,475.6	2,017,005	1,677,960	1,856,280

State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 cwt			*Dollars per cwt*			*1,000 dollars*		
Fresh Market									
California	7,822.9	7,315.8	8,172.4	28.00	31.20	27.80	219,041	228,253	227,193
Florida	7,280.0	7,988.4	(D)	52.50	32.80	(D)	382,200	262,020	(D)
Indiana	26.0	32.2	49.4	66.20	75.00	69.00	1,721	2,415	3,409
Michigan	404.9	406.6	495.0	46.30	54.80	47.50	18,747	22,282	23,513
New Jersey	(D)	689.9	510.2	(D)	53.90	80.90	(D)	37,186	41,275
North Carolina	1,054.0	(D)	(D)	54.20	(D)	(D)	57,127	(D)	(D)
Ohio	639.1	649.5	561.6	55.00	56.60	69.90	35,151	36,762	39,256
South Carolina	924.0	1,033.9	1,150.8	35.00	33.30	39.00	32,340	34,429	44,881
Tennessee	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Virginia	504.0	(D)	(D)	46.00	(D)	(D)	23,184	(D)	(D)
Other States [1]	1,840.9	2,853.4	8,683.1	52.70	52.10	50.00	97,099	148,744	434,455
United States	20,495.8	20,969.7	19,622.5	42.30	36.80	41.50	866,610	772,091	813,982
	Tons			*Dollars per ton*			*1,000 dollars*		
Processing									
California	12,647,064	10,463,839	12,284,163	86.30	81.00	79.00	1,091,442	847,571	970,449
Florida	.....	.....	(D)	(X)	(X)	(D)	.....	.....	(D)
Indiana	258,700	228,489	244,530	113.00	123.00	115.00	29,233	28,104	28,121
Michigan	137,929	133,056	112,750	110.00	103.00	105.00	15,172	13,705	11,839
New Jersey	(D)	21,448	10,326	(D)	94.00	110.00	(D)	2,016	1,136
North Carolina	.....	(D)	(D)	(X)	(D)	(D)	.....	(D)	(D)
Ohio	109,444	102,275	112,320	107.00	116.00	115.00	11,711	11,864	12,917
South Carolina	.....	.....	.....	(X)	(X)	.....	.....	.....	.....
Tennessee	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Virginia	.....	(D)	(D)	(X)	(D)	(D)	.....	(D)	(D)
Other States [1]	17,656	5,160	28,566	161.00	506.00	624.00	2,837	2,609	17,836
United States	13,170,793	10,954,267	12,792,655	87.30	82.70	81.50	1,150,395	905,869	1,042,298

(D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. [1] Includes data withheld above.
NASS, Crops Branch, (202) 720–2127.

Table 4-42.—Watermelon for fresh market and processing: Area Harvested, production, and value, by State and United States, 2016–2018

State	Area harvested			Total production		
	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*		
Arizona	5,500	3,500	(D)	2,447.5	1,802.5	(D)
California	10,400	10,600	11,900	5,616.0	6,201.0	6,426.0
Delaware	3,800	3,900	3,800	1,387.0	1,092.0	1,026.0
Florida	22,200	22,000	22,500	7,770.0	8,690.0	8,100.0
Georgia	20,900	20,900	20,600	7,106.0	7,942.0	5,356.0
Indiana	6,600	6,200	6,500	2,838.0	2,573.0	3,055.0
Maryland	4,200	3,700	3,500	1,449.0	1,110.0	1,050.0
Missouri	2,700	3,000	(D)	1,053.0	705.0	(D)
North Carolina	6,300	7,100	7,300	1,449.0	2,130.0	1,825.0
South Carolina	4,400	4,900	4,300	1,584.0	2,156.0	989.0
Texas	25,000	22,000	23,000	7,250.0	6,380.0	7,820.0
Other States	.....	.....	8,000	.....	.....	3,398.0
United States	112,000	107,800	111,400	39,949.5	40,781.5	39,045.0

State	Utilized production			Value of utilized production		
	2016	2017	2018	2016	2017	2018
	1,000 cwt			*1,000 dollars*		
Arizona	2,447.5	1,802.5	(D)	35,244	42,359	(D)
California	5,616.0	6,176.2	6,393.9	102,211	117,348	116,369
Delaware	1,387.0	1,092.0	1,026.0	19,418	8,736	11,286
Florida	7,770.0	8,690.0	8,043.3	125,097	152,944	160,866
Georgia	7,106.0	7,727.6	5,345.3	83,140	84,231	76,438
Indiana	2,838.0	2,573.0	3,055.0	34,056	27,017	27,915
Maryland	1,449.0	1,110.0	1,039.5	16,953	12,321	10,395
Missouri	1,053.0	702.2	(D)	12,192	8,445	(D)
North Carolina	1,449.0	2,102.3	1,799.5	20,576	22,705	22,314
South Carolina	1,584.0	2,153.8	987.0	23,918	26,276	17,174
Texas	7,250.0	6,156.7	7,765.3	73,950	91,651	143,387
Other States	.....	.....	3,394.0	.....	.....	70,511
United States	39,949.5	40,286.3	38,848.8	546,755	594,033	656,655

State	Utilized production			Price per unit			Value of utilized production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 cwt			*Dollars per cwt*			*1,000 dollars*		
Fresh Market									
Arizona	2,447.5	1,802.5	(D)	14.40	23.50	(D)	35,244	42,359	(D)
California	5,616.0	6,176.2	6,393.9	18.20	19.00	18.20	102,211	117,348	116,369
Delaware	1,387.0	1,092.0	1,026.0	14.00	8.00	11.00	19,418	8,736	11,286
Florida	7,770.0	8,690.0	8,043.3	16.10	17.60	20.00	125,097	152,944	160,866
Georgia	7,106.0	7,727.6	5,345.3	11.70	10.90	14.30	83,140	84,231	76,438
Indiana	2,838.0	2,573.0	(D)	12.00	10.50	(D)	34,056	27,017	(D)
Maryland	1,449.0	1,110.0	1,039.5	11.70	11.10	10.00	16,953	12,321	10,395
Missouri	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
North Carolina	(D)	2,102.3	1,799.5	(D)	10.80	12.40	(D)	22,705	22,314
South Carolina	1,584.0	2,153.8	987.0	15.10	12.20	17.40	23,918	26,276	17,174
Texas	7,250.0	(D)	(D)	10.20	(D)	(D)	73,950	(D)	(D)
Other States [1]	2,430.1	6,606.0	14,045.9	13.50	15.10	17.10	32,704	99,782	240,580
United States	39,877.6	40,033.4	38,680.4	13.70	14.80	16.90	546,691	593,719	655,422
	Tons			*Dollars per ton*			*1,000 dollars*		
Processing									
Arizona	.....	.....	(D)	(X)	(X)	(D)	.....	.....	(D)
California	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Delaware	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Florida	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Georgia	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Indiana	.....	.....	(D)	(X)	(X)	(D)	.....	.....	(D)
Maryland	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Missouri	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
North Carolina	(D)	.....	.....	(D)	(X)	(X)	(D)	.....	.....
South Carolina	.....	.....	.....	(X)	(X)	(X)	.....	.....	.....
Texas	.....	(D)	(D)	(X)	(D)	(D)	.....	(D)	(D)
Other States [1]	3,595	12,646	8,420	17.80	24.80	146.00	64	314	1,233
United States	3,595	12,646	8,420	17.80	24.80	146.00	64	314	1,233

(D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. [1] Includes data withheld above.
NASS, Crops Branch, (202) 720–2127.

Table 4-43.—Vegetables and melons, fresh: Total reported domestic rail, truck, and air shipments, 2018

Commodity	Jan.	Feb.	Mar.	Apr.	May	June	July
Vegetables:	*1,000 cwt*						
Artichokes	59	66	58	87	105	90	75
Artichokes-organic	2	1	.....	1	2	4	3
Asparagus	.....	.....	9	51	189	85	.....
Asparagus-organic	.....	.....	.....	.....	.....	1	.....
Beans	113	186	287	232	202	131	52
Beans-organic	.....	.....	.....	.....	8	.....	.....
Beets	.....	.....	.....	3	5	5	4
Beets-organic	.....	.....	.....	2	3	3	4
Broccoli	473	469	658	712	534	593	522
Broccoli-organic	10	13	20	52	55	71	47
Brussels sprouts	52	29	30	26	27	45	71
Cabbage	842	822	1,234	691	636	403	295
Cabbage-organic	6	7	10	6	9	8	5
Carrots	626	590	736	637	708	597	549
Carrots-organic	32	34	117	157	176	195	196
Cauliflower	502	408	428	532	515	513	423
Cauliflower-organic	11	10	21	40	48	53	33
Celery	1,328	1,154	1,169	1,157	1,240	1,153	1,110
Celery-organic	53	51	59	53	59	102	95
Corn, sweet	368	445	692	1,565	2,591	2,360	806
Corn, sweet-organic	1	.....	.....	.....	3	10	.....
Cucumbers	7	.....	88	286	411	519	365
Cucumbers-organic	.....	.....	.....	2	.....	.....	.....
Eggplant	30	14	34	51	83	181	36
Eggplant-organic	.....	.....	.....	2	.....	.....	.....
Endive	14	17	19	14	6	5	4
Endive-organic	.....	3	.....	.....	.....	.....	.....
Escarole	17	20	23	18	10	5	5
Greens	138	184	291	239	271	147	104
Greens-organic	11	12	12	12	15	15	9
Lettuce, iceberg	1,973	1,806	2,051	2,271	2,514	2,376	2,305
Lettuce, iceberg-organic	.....	.....	.....	12	17	16	18
Lettuce, other	370	328	356	261	252	216	181
Lettuce, other-organic	5	4	5	3	4	3	3
Lettuce, romaine	1,829	1,815	1,980	1,844	1,735	1,656	1,561
Lettuce, romaine-organic	29	30	45	112	120	109	103
Lettuce processed	728	732	814	593	1,077	1,115	634

Commodity	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Artichokes	64	66	80	103	50	903
Artichokes-organic	3	3	2	2	1	24
Asparagus	.....	.....	.....	.....	.....	334
Asparagus-organic	.....	.....	.....	.....	.....	1
Beans	98	65	77	175	179	1,797
Beans-organic	.....	.....	1	2	.....	11
Beets	5	4	6	4	5	41
Beets-organic	3	2	2	1	.....	20
Broccoli	483	433	481	414	524	6,296
Broccoli-organic	45	46	52	30	50	491
Brussels sprouts	92	82	107	114	61	736
Cabbage	478	448	479	478	765	7,571
Cabbage-organic	5	5	6	3	4	74
Carrots	654	573	659	623	624	7,576
Carrots-organic	203	208	250	236	239	2,043
Cauliflower	393	416	473	355	515	5,473
Cauliflower-organic	34	30	44	15	29	368
Celery	1,136	1,070	1,422	1,691	1,349	14,979
Celery-organic	91	90	121	74	53	901
Corn, sweet	512	214	189	436	211	10,389
Corn, sweet-organic	.....	.....	.....	.....	.....	14
Cucumbers	500	368	354	235	102	3,235
Cucumbers-organic	.....	.....	2	2	.....	6
Eggplant	23	47	112	76	38	725
Eggplant-organic	.....	.....	.....	2	1	5
Endive	3	3	4	10	10	109
Endive-organic	.....	.....	.....	.....	.....	3
Escarole	5	4	6	13	17	143
Greens	102	110	126	217	175	2,104
Greens-organic	9	8	12	9	12	136
Lettuce, iceberg	2,309	2,063	2,204	2,073	2,152	26,097
Lettuce, iceberg-organic	18	14	11	11	11	128
Lettuce, other	199	186	228	292	368	3,237
Lettuce, other-organic	3	2	3	5	9	49
Lettuce, romaine	1,651	1,509	1,703	1,522	1,814	20,619
Lettuce, romaine-organic	116	104	108	58	100	1,034
Lettuce processed	957	1,034	780	917	947	10,328

See footnote(s) at end of table.

Table 4-43.—Vegetables and melons, fresh: Total reported domestic rail, truck, and air shipments, 2018—Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	June	July
Vegetables:	*1,000 cwt*						
Onions, dry	4,030	3,040	3,301	3,648	4,279	4,095	3,864
Onions, dry-organic	1	1	1	16	41	14	7
Onions processed	447	456	576	480	621	903	712
Onions, green	9	14	17	28	30	37	31
Onions, green-organic	.....	.....	.....	.....	.....	.....	.....
Parsley	23	30	26	37	46	51	51
Parsley-organic	1	2	1	1	1	2	1
Peas, green	.....	1	.....	.....	2	8	9
Peppers, bell	256	292	398	579	747	980	658
Peppers, bell-organic	1	1	3	2	.....	10	7
Peppers, other	9	13	11	22	31	40	20
Peppers, other-organic	.....	1	.....	.....	.....	.....	.....
Potatoes, table	7,948	6,821	8,336	7,000	7,693	7,787	7,352
Potatoes, table-organic	169	134	162	105	87	132	81
Potatoes, chipper	4,112	3,898	4,772	5,526	4,216	5,966	4,277
Potatoes, seed	235	717	4,738	6,138	2,221	231	.....
Radishes	59	61	58	60	48	37	30
Spinach	202	184	226	80	67	65	59
Spinach-organic	41	44	58	15	.....	1	1
Squash	89	100	153	130	213	196	159
Squash-organic	2	4	5	5	1	.....	.....
Sweet potatoes	814	784	1,110	830	825	721	539
Sweet potatoes-organic	5	5	7	4	5	4	2
Tomatoes	1,027	852	931	1,316	1,139	929	1,227
Tomatoes, greenhouse	84	84	128	119	150	171	139
Toms, Grape Type	97	74	116	133	118	77	56
Toms, Grape Type-greenhouse	12	14	20	17	30	31	43
Toms, Grape Type-organic	11	9	10	10	4	2	.....
Toms, Cherry	22	20	26	29	25	14	11
Toms, Cherry-greenhouse	3	3	5	4	5	7	12
Toms, Plum Type	237	238	245	335	260	73	364
Toms, Plum Type-greenhouse	4	5	6	4	5	10	5
Toms, Plum Type-organic	.....	.....	.....	.....	.....	.....	.....
Total	29,579	27,152	36,692	38,397	36,540	35,379	29,335

Commodity	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Onions, dry	4,182	3,825	4,396	4,187	4,312	47,159
Onions, dry-organic	3	1	2	1	1	89
Onions processed	416	560	580	489	525	6,765
Onions, green	33	33	27	31	28	318
Onions, green-organic	.....	1	3	1	.....	5
Parsley	52	49	58	51	44	518
Parsley-organic	1	2	2	1	1	16
Peas, green	5	2	1	.....	.....	28
Peppers, bell	662	562	546	524	298	6,502
Peppers, bell-organic	.....	.....	.....	4	2	30
Peppers, other	8	2	29	29	20	234
Peppers, other-organic	.....	.....	.....	.....	1	2
Potatoes, table	7,704	7,542	7,577	8,514	7,644	91,918
Potatoes, table-organic	95	109	150	184	137	1,545
Potatoes, chipper	4,353	5,615	4,021	4,081	5,183	56,020
Potatoes, seed	.....	16	53	80	170	14,599
Radishes	48	44	50	59	55	609
Spinach	62	61	81	140	195	1,422
Spinach-organic	3	2	10	44	49	268
Squash	167	108	109	141	111	1,676
Squash-organic	.....	.....	4	5	4	30
Sweet potatoes	599	659	688	1,045	808	9,422
Sweet potatoes-organic	2	7	7	7	6	61
Tomatoes	1,143	1,055	1,084	1,126	977	12,806
Tomatoes, greenhouse	93	104	96	99	117	1,384
Toms, Grape Type	45	59	108	98	84	1,065
Toms, Grape Type-greenhouse	21	18	10	13	20	249
Toms, Grape Type-organic	.....	.....	2	11	12	71
Toms, Cherry	11	9	16	31	27	241
Toms, Cherry-greenhouse	4	4	3	5	6	61
Toms, Plum Type	390	411	243	285	329	3,410
Toms, Plum Type-greenhouse	7	5	3	5	6	65
Toms, Plum Type-organic	6	.....	.....	.....	.....	6
Total	30,309	30,072	30,063	31,489	31,587	386,594

See footnote(s) at end of table.

Table 4-43.—Vegetables and melons, fresh: Total reported domestic rail, truck, and air shipments, 2018–Continued

Commodity	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Melons:	*1,000 cwt*									
Cantaloupe	15	1,294	3,625	2,994	2,536	1,815	1,016	354	7	13,656
Cantaloupe-organic	.....	4	71	99	54	43	4	.....	.....	275
Honeydews	.....	79	502	760	799	660	316	88	2	3,206
Honeydews-organic	.....	1	14	27	28	16	.....	.....	.....	86
Mixed & misc. melons	.....	4	231	170	55	1	1	.....	.....	462
Mixed & misc. melons-organic	.....	1	11	10	4	2	.....	.....	.....	28
Watermelon, seedless	.....	30	934	5,094	9,584	9,119	8,135	2,849	401	36,146
Watermelon, seedless-organic	.....	14	120	157	165	35	13	.....	.....	504
Watermelon, seeded	2	151	557	791	530	313	71	2	.....	2,417
Watermelon, seeded-organic	.....	5	10	4	.....	.....	.....	.....	.....	19
Total	17	1,583	6,075	10,106	13,755	12,004	9,556	3,293	344	56,799

Note: No data for January, February, and March 2018.
AMS, Fresh Fruit and Vegetable Specialty Crops, Market News Division, (202) 205–9690.

Table 4-44.—Commercially produced vegetables: Per capita utilization, United States, 2009–2018

Year	Farm weight equivalent						
	Total fresh and processed	Fresh[2]	Processed				
			Total	Canning	Freezing	Potatoes	Others[1]
	Pounds	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*
2009	349.0	141.3	207.7	98.8	21.4	76.7	10.8
2010	352.0	144.9	207.1	97.7	20.9	77.1	11.4
2011	342.2	142.2	200.3	89.6	22.0	76.4	12.3
2012	350.5	144.8	205.7	91.1	22.3	80.3	12.0
2013	341.1	141.2	199.9	90.3	19.6	79.0	11.0
2014	346.8	142.6	204.2	92.1	19.9	79.5	12.7
2015	337.2	141.9	195.3	80.6	20.5	81.3	12.9
2016	351.3	155.9	195.4	86.0	20.2	76.5	12.7
2017	357.3	157.4	199.9	83.3	21.4	83.0	12.2
2018	351.8	144.8	207.0	90.0	22.9	82.7	11.4

Year	Percentage of annual total					
	Fresh[2]	Processed				
		Total	Canning	Freezing	Potatoes	Others[1]
	Percent	*Percent*	*Percent*	*Percent*	*Percent*	*Percent*
2009	40.5	59.5	28.3	6.1	22.0	3.1
2010	41.2	58.8	27.7	6.0	21.9	3.2
2011	41.5	58.5	26.2	6.4	22.3	3.6
2012	41.3	58.7	26.0	6.4	22.9	3.4
2013	41.4	58.6	26.5	5.7	23.2	3.2
2014	41.1	58.9	26.6	5.7	22.9	3.7
2015	42.1	57.9	24.0	6.1	24.1	3.8
2016	42.3	57.7	25.5	6.0	22.4	3.8
2017	40.7	59.3	26.7	5.9	23.1	3.5
2018	.....	.....	.....	.....	.....	.....

[1] Others include mushrooms, sweet potatoes, and onions for dehydrating market. [2] See table 4-78 for items included under Fresh category. Excludes melons.
ERS, Market and Trade Economics Division, (202) 694–5326.

Table 4-45.—Vegetables, fresh: Per capita civilian availability (farm-weight basis), United States, 2009–2018 [1]

Year	Asparagus	Snap beans	Broccoli	Cabbage	Carrots	Cauliflower
	Pounds	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*
2009	1.3	1.7	6.2	7.3	7.4	1.7
2010	1.4	1.9	6.0	7.5	7.8	1.3
2011	1.4	1.7	6.0	6.6	7.5	1.2
2012	1.4	1.6	6.3	6.3	8.0	1.2
2013	1.4	1.6	6.9	6.9	8.0	1.3
2014	1.7	1.5	6.7	6.7	8.5	1.3
2015	1.5	1.6	7.4	6.3	8.8	1.6
2016	1.6	1.7	7.5	5.9	7.8	1.7
2017	1.6	1.6	7.1	6.2	7.4	2.4
2018	1.8	1.7	5.9	5.7	8.5	2.4

Year	Celery	Sweet Corn	Cucumbers	Head lettuce	Leaf/ romaine	Garlic
	Pounds	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*
2009	6.2	9.2	6.8	16.1	10.0	2.4
2010	6.1	9.3	6.7	15.9	12.0	2.3
2011	6.0	8.2	6.4	15.8	11.7	2.3
2012	6.0	8.7	7.1	16.0	11.9	2.3
2013	5.5	8.9	7.3	14.1	11.4	2.3
2014	5.5	7.7	7.4	14.5	10.8	2.2
2015	5.1	8.6	7.6	13.6	11.9	2.4
2016	5.0	7.1	8.1	16.9	14.5	3.0
2017	4.7	7.2	7.4	15.3	15.1	3.0
2018	5.0	6.7	8.0	12.3	12.3	2.5

Year	Onions	Bell peppers	Spinach	Tomatoes [2]	Others [3]	Total vegetables [4]
	Pounds	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*
2009	19.6	9.8	2.0	19.6	18.4	141.3
2010	19.6	10.3	1.7	20.6	18.4	144.9
2011	19.1	10.6	1.8	21.0	18.8	142.2
2012	19.3	10.8	1.6	20.8	19.3	144.8
2013	18.5	10.0	1.6	20.3	18.8	141.2
2014	18.4	10.7	1.7	20.6	20.5	142.6
2015	18.3	10.7	1.7	20.6	18.3	141.9
2016	22.8	11.1	2.0	20.3	24.0	155.9
2017	25.1	11.3	1.9	20.5	24.6	157.4
2018	20.4	11.2	1.9	20.6	22.2	144.8

[1] Fresh vegetable consumption computed for total commercial production for fresh market. Does not include production for home use. Consumption obtained by dividing the total apparent consumption by total July 1 population as reported by the Bureau of the Census. All data for calendar year. [2] After 1996, includes an ERS estimate of domestically produced hothouse tomatoes. Hothouse imports included in all years. [3] Includes artichokes, brussels sprouts, eggplant, endive/escarole, garlic, radishes, green limas, squash, spinach, okra, pumpkins, kale, collards, turnip greens, and mustard greens. [4] Excludes melons, mushrooms, potatoes, and sweet potatoes.

ERS, Market and Trade Economics Division, (202) 694–5326.

Table 4-46.—Vegetables, canning: Per capita availability (farm weight), United States, 2009–2018

Year	Cabbage	Asparagus	Snap beans	Carrots	Green peas
	Pounds	*Pounds*	*Pounds*	*Pounds*	*Pounds*
2009	0.9	0.2	3.6	0.9	1.3
2010	1.0	0.1	3.7	0.8	1.1
2011	1.0	0.1	3.2	0.8	0.8
2012	1.2	0.1	2.9	0.8	0.8
2013	1.0	0.1	2.9	0.8	0.9
2014	1.0	0.1	2.8	0.7	0.7
2015	0.9	0.1	3.0	0.7	0.8
2016	1.0	0.1	3.2	1.1	0.8
2017	1.3	0.1	3.1	1.1	0.7
2018	0.8	0.1	2.9	0.9	0.6

Year	Tomatoes	Sweet corn	Pickling Cucumbers	Other [1]	Total
	Pounds	*Pounds*	*Pounds*	*Pounds*	*Pounds*
2009	70.3	7.6	5.1	2.3	98.8
2010	71.3	6.9	3.8	2.5	97.7
2011	65.8	5.8	2.8	2.6	89.6
2012	66.6	5.9	3.0	2.7	91.1
2013	66.0	5.8	3.2	2.7	90.3
2014	67.4	5.8	3.9	2.6	92.1
2015	56.3	5.3	3.4	2.9	80.6
2016	61.2	5.0	3.0	3.0	86.0
2017	57.9	5.0	3.7	2.9	83.3
2018	65.6	5.2	3.3	3.4	90.0

[1] Includes beets, green limas (1992-2014), spinach, and miscellaneous imports (1990-2014).
ERS, Market and Trade Economics Division, (202) 694–5326.

Table 4-47.—Vegetables, freezing: Per capita utilization (farm weight basis), United States, 2009–2018

Year	Asparagus	Snap beans	Carrots	Peas	Broccoli
	Pounds	*Pounds*	*Pounds*	*Pounds*	*Pounds*
2009	0.1	1.9	1.5	1.7	2.5
2010	0.1	2.0	1.5	1.5	2.5
2011	0.1	1.5	1.6	1.6	2.7
2012	0.1	1.9	1.2	1.9	2.6
2013	0.1	2.1	1.7	1.5	2.5
2014	0.1	1.8	1.2	1.6	2.6
2015	0.1	1.9	1.4	1.5	2.6
2016	0.2	2.0	1.9	1.0	2.6
2017	0.1	1.9	2.4	1.3	2.4
2018	0.1	1.9	2.2	1.3	2.5

Year	Cauliflower	Sweet Corn	Other [1]	Total vegetables excluding potatoes
	Pounds	*Pounds*	*Pounds*	*Pounds*
2009	0.4	9.1	4.3	21.4
2010	0.4	8.6	4.5	20.9
2011	0.4	9.8	4.3	22.0
2012	0.3	9.8	4.5	22.3
2013	0.3	7.0	4.3	19.6
2014	0.4	7.7	4.6	19.9
2015	0.3	8.0	4.7	20.5
2016	0.4	7.5	4.6	20.2
2017	0.5	8.0	4.7	21.4
2018	0.6	7.9	4.4	22.9

[1] Includes green lima beans, spinach, and miscellaneous freezing vegetables.
ERS, Market and Trade Economics Division, (202) 694–5326.

Table 4-48.—Frozen Vegetables and potato products: Cold storage holdings, United States, 2017 and 2018

End of the month	Asparagus		Green beans, french cut		Green beans, Lima		Green beans, regular cut	
	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	10,780	9,690	14,324	14,738	51,451	49,217	190,073	172,503
February	10,273	8,119	13,321	13,923	48,414	45,506	174,009	155,853
March	9,243	6,989	12,838	13,402	44,371	42,315	159,278	128,304
April	9,012	6,036	11,522	12,230	40,852	37,826	144,992	109,337
May	9,781	7,767	9,874	10,651	39,116	36,335	132,483	93,324
June	11,137	10,855	8,923	11,184	36,817	33,421	115,498	81,164
July	11,395	10,971	12,355	12,886	33,753	29,161	138,593	115,005
August	12,102	10,120	16,478	14,413	33,807	33,072	196,016	172,836
September	11,928	9,358	18,836	15,847	48,322	44,301	238,830	202,123
October	10,893	8,933	18,222	15,328	63,786	47,691	230,850	190,921
November	9,914	8,364	16,302	13,793	56,226	42,601	216,052	173,687
December	10,188	8,106	15,187	13,747	54,024	38,647	191,291	152,495

End of the month	Broccoli, chopped & cut		Broccoli, spears		Brussels sprouts		Carrots, diced	
	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	46,006	30,206	24,405	25,814	23,187	21,121	145,245	128,815
February	43,333	31,302	26,382	29,513	22,721	20,636	127,999	121,470
March	40,864	33,530	32,156	31,806	20,508	20,900	119,945	114,872
April	39,286	36,759	31,070	34,494	19,588	20,736	114,784	108,053
May	36,102	35,108	30,890	38,616	18,428	19,317	107,957	98,881
June	31,521	34,532	30,877	45,339	16,253	17,361	97,296	84,708
July	34,386	38,981	28,038	44,166	14,379	17,102	86,068	65,564
August	39,995	41,735	27,541	44,250	14,101	15,536	79,758	53,967
September	37,178	43,080	24,817	37,705	13,415	13,257	75,024	48,927
October	34,739	41,796	26,515	35,174	16,126	13,410	109,489	86,070
November	33,388	39,422	22,921	30,802	17,219	13,940	152,316	129,184
December	32,738	37,761	23,877	26,691	21,878	15,680	142,941	125,994

End of the month	Carrots, other		Cauliflower		Sweet corn, cut		Sweet corn, cob	
	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	171,689	149,233	28,913	34,901	463,549	446,194	197,123	231,840
February	157,377	136,166	28,826	36,257	414,754	403,945	177,461	207,582
March	152,193	125,914	29,002	35,212	371,774	356,223	150,107	176,477
April	143,200	119,288	27,679	32,896	316,608	312,151	128,032	142,645
May	129,246	104,184	27,497	30,354	275,307	276,599	101,904	107,713
June	112,691	94,449	28,013	25,340	220,012	240,908	73,922	79,134
July	100,623	87,118	28,703	24,701	216,938	257,797	74,754	105,145
August	106,683	84,641	26,193	24,088	377,400	443,885	181,921	208,224
September	118,442	96,342	25,043	23,258	519,847	558,378	278,137	276,776
October	144,425	105,654	33,584	30,422	568,117	592,617	297,466	307,075
November	160,556	113,794	32,655	28,645	521,589	530,696	286,139	288,300
December	164,466	110,822	34,083	29,760	479,654	475,712	257,185	269,689

End of the month	Greens, southern		Okra		Onions, other		Onion rings	
	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	19,399	13,243	27,901	20,870	46,590	53,999	14,924	14,859
February	22,687	12,661	22,677	16,743	48,496	56,916	15,412	16,629
March	22,253	11,268	15,482	14,666	52,896	60,604	13,278	17,190
April	20,693	10,534	12,582	13,443	59,402	62,211	13,368	18,696
May	19,420	9,144	13,608	12,632	62,596	60,049	13,467	18,698
June	18,600	10,996	24,246	30,181	58,558	60,160	12,810	17,976
July	19,238	12,352	35,802	41,318	57,772	58,276	10,447	16,534
August	18,517	13,146	38,821	50,058	62,386	60,197	11,281	16,117
September	16,027	12,725	41,607	54,779	58,852	55,390	12,048	16,875
October	13,036	13,195	35,675	55,093	52,522	47,346	11,522	17,056
November	12,334	12,778	30,451	48,631	56,293	48,431	11,026	16,801
December	12,803	12,174	27,190	44,156	57,472	51,663	12,375	17,160

See footnote(s) at end of table.

Table 4-48.—Frozen Vegetables and potato products: Cold storage holdings, United States, 2017 and 2018—Continued

End of the month	Blackeye peas		Green peas		Peas & carrots mixed		Spinach	
	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	1,806	1,606	294,248	247,040	7,052	7,454	52,754	51,346
February	1,758	1,655	267,497	223,679	7,082	8,135	53,051	50,691
March	1,440	1,512	238,263	198,966	7,843	7,410	55,467	50,882
April	1,477	1,357	205,494	190,125	8,829	8,083	64,293	51,731
May	1,308	1,407	191,203	177,152	8,820	7,758	69,307	57,378
June	1,804	1,293	322,460	284,008	8,989	6,754	68,427	57,896
July	1,728	2,089	428,002	341,193	8,965	7,424	66,484	52,689
August	1,900	2,009	410,645	319,549	8,685	7,605	61,732	44,851
September	2,048	2,000	381,666	303,905	8,985	6,947	55,186	40,251
October	2,015	2,037	342,202	268,892	9,184	7,457	54,843	38,782
November	1,564	1,790	305,457	244,288	8,819	6,928	55,327	35,439
December	1,484	1,479	277,206	207,808	7,914	7,262	50,731	30,994

End of the month	Squash		Vegetables, mixed		Vegetables, other		Total frozen vegetables	
	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	60,266	65,820	68,538	59,410	447,244	563,016	2,407,467	2,412,935
February	57,026	59,535	68,978	60,105	447,065	504,878	2,256,599	2,221,899
March	52,372	54,323	72,412	53,310	451,698	461,985	2,125,683	2,018,060
April	51,233	50,724	73,221	52,886	416,977	406,018	1,954,194	1,838,259
May	50,246	48,427	69,127	54,013	385,932	376,945	1,803,619	1,682,452
June	48,617	44,881	69,734	56,417	397,044	377,555	1,814,249	1,706,512
July	44,080	44,933	67,369	60,139	418,221	422,205	1,938,093	1,867,749
August	48,758	46,032	72,540	66,995	518,807	502,853	2,366,067	2,276,179
September	52,799	48,877	74,115	63,700	618,682	569,778	2,731,834	2,544,579
October	59,392	61,029	71,407	60,301	660,094	623,597	2,866,104	2,669,876
November	66,595	60,200	68,516	56,423	646,967	603,165	2,788,626	2,548,102
December	66,948	60,482	57,762	53,845	626,616	582,039	2,626,013	2,374,166

End of the month	Frozen potatoes					
	French fries		Other frozen potatoes		Total frozen potatoes	
	2017	2018	2017	2018	2017	2018
	1,000 pounds					
January	952,318	1,001,232	243,361	257,077	1,195,679	1,258,309
February	957,302	997,602	253,280	267,617	1,210,582	1,265,219
March	950,310	964,870	262,027	260,942	1,212,337	1,225,812
April	949,450	938,695	270,257	254,107	1,219,707	1,192,802
May	937,978	889,808	271,298	266,879	1,209,276	1,156,687
June	954,888	941,336	275,721	270,621	1,230,609	1,211,957
July	922,100	859,456	279,584	237,286	1,201,684	1,096,742
August	919,604	898,725	270,595	242,029	1,190,199	1,140,754
September	976,777	932,954	260,202	252,068	1,236,979	1,185,022
October	1,002,723	1,002,221	270,789	248,025	1,273,512	1,250,246
November	1,010,300	962,841	263,835	235,592	1,274,135	1,198,433
December	940,958	944,230	242,085	230,329	1,183,043	1,174,559

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CHAPTER V

STATISTICS OF FRUITS, TREE NUTS, AND HORTICULTURAL SPECIALTIES

For most fruits, production is estimated at two levels—total and utilized. Total production is the quantity of fruit harvested plus quantities which would have been acceptable for fresh market or processing but were not harvested or utilized because of economic and other reasons. Utilized production is the amount sold plus the quantities used on farms where grown and quantities held in storage. The difference between total and utilized production is the quantity of marketable fruit not harvested and fruit harvested but not sold or utilized because of economic and other reasons. Production relates to the crop produced on all farms, except for apples and strawberries. In accordance with Congressional enactment, the Department's estimates of apple production since 1938 have related only to commercial production. The estimates for strawberries cover production on area grown primarily for sale. Statistics on utilization of fruit by commercial processors refer to first utilization, not necessarily final utilization. For example, frozen fruit includes fruit which may later be used for preserves.

The price shown for each crop is a marketing year average price for all methods of sales. Prices for most fresh fruit are the average prices producers received at the point of first sale, commonly referred to as the ''average price as sold.'' Since the point of first sale is not the same for all producers, prices for the various methods of sale are weighted by the proportionate quantity sold. For example, if in a given State part of the fruit crop is sold f.o.b. packed by growers, part sold as bulk fruit at the packinghouse door, and some sold retail at roadside stands, the fresh fruit average price as sold is a weighted average of the average price for each method of sale.

The annual estimates are checked and adjusted at the end of each marketing season on the basis of shipment and processing records from transportation agencies, processors, cooperative marketing associations, and other industry organizations. The estimates are reviewed (and revised if necessary) at 5-year intervals, when the Census of Agriculture data become available. The Department's available statistics are limited to the major tree fruits and nuts and to grapes, cranberries, and strawberries, and exclude some States where census data indicate production is of only minor importance.

Table 5-1.—Fruits and planted nuts: Bearing area, United States, 2009–2018

Year	Citrus fruits [1]	Major deciduous fruits [2]	Miscellaneous Noncitrus [3]	Nuts [4]	Total
	Acres				
2009	844,800	1,739,670	306,280	1,159,700	4,050,450
2010	825,200	1,750,300	309,995	1,206,000	4,091,495
2011	809,200	1,744,240	315,510	1,261,500	4,130,450
2012	801,800	1,734,600	260,710	1,316,000	4,113,110
2013	791,200	1,757,980	347,950	1,409,000	4,306,130
2014	777,700	1,742,290	368,955	1,487,000	4,375,945
2015	764,900	1,729,230	371,150	1,533,000	4,398,280
2016	737,800	1,693,970	367,460	1,971,200	4,770,430
2017	709,800	1,680,250	351,680	2,076,800	4,818,530
2018	697,900	1,551,800	329,460	2,174,800	4,753,960

[1] Grapefruit, lemons, oranges, tangelos, and tangerines. [2] Commercial apples, apricots, cherries, grapes, nectarines, peaches, pears, plums, and prunes. [3] Avocados, bananas, berries, coffee, cranberries, dates, figs, guavas, kiwifruit, olives, papayas, and strawberries. [4] Almonds, hazelnuts, macadamia nuts, pistachios, and walnuts. Bearing acreage estimates for pecans began in 2016.

NASS, Crops Branch, (202) 720–2127.

Table 5-2.—Fruits: Total production in tons, United States, 2009–2018 [1]

Year	Apples, commercial crop [2]	Pears	Grapes (fresh basis)	Sweet cherries	Tart cherries	Apricots
	Tons					
2009	4,843,850	957,220	7,267,890	442,870	179,600	68,720
2010	4,641,050	813,600	7,432,120	313,220	95,200	66,380
2011	4,719,800	965,720	7,408,740	334,415	115,900	66,650
2012	4,496,150	851,240	7,530,883	424,000	42,600	60,800
2013	5,261,700	877,130	8,631,790	332,090	147,100	61,035
2014	5,931,550	831,610	7,883,830	363,640	152,100	64,928
2015	5,051,250	816,520	7,621,150	335,480	126,250	45,657
2016	5,747,500	738,770	7,697,030	350,240	164,650	64,050
2017	5,776,850	737,450	7,383,850	437,550	129,750	45,650
2018	5,128,500	805,500	7,596,000	344,400	149,150	39,550
Year	Figs [3] (CA) (fresh basis)	Plums (CA)	Prunes (dry basis) (CA)	Olives (CA)	Strawberries	Avocados [4]
	Tons					
2009	43,750	112,000	166,000	46,300	1,400,650	298,520
2010	40,910	142,000	130,000	206,000	1,426,000	174,330
2011	38,660	160,000	137,000	71,200	1,450,800	262,950
2012	35,200	115,000	138,000	160,000	1,526,000	(NA)
2013	33,000	100,600	85,000	166,000	1,523,500	182,920
2014	33,400	104,000	108,000	95,000	1,511,850	172,940
2015	31,700	92,500	112,000	179,000	1,532,750	228,990
2016	32,700	108,800	54,000	164,900	1,480,345	138,050
2017	31,200	117,900	105,000	192,300	1,360,400	187,680
2018	(NA)	100,000	90,200	53,600	1,428,895	185,770
Year	Nectarines	Oranges [5]	Tangerines and Mandarins [5 6]	Grapefruit [5]	Lemons [5]	Tangelos [5 7] (FL)
	Tons					
2009	219,800	9,128,000	443,000	1,304,000	912,000	52,000
2010	233,200	8,243,000	596,000	1,238,000	882,000	41,000
2011	225,200	8,905,000	657,000	1,264,000	920,000	52,000
2012	188,900	8,982,000	644,000	1,153,000	850,000	52,000
2013	162,100	8,268,000	682,000	1,204,000	912,000	45,000
2014	187,300	6,768,000	732,000	1,047,000	824,000	40,000
2015	159,500	6,353,000	863,000	910,000	904,000	30,000
2016	151,350	6,088,000	935,000	803,000	904,000	18,000
2017	141,850	5,088,000	1,029,000	698,000	882,000	(NA)
2018	120,500	3,875,000	804,000	509,000	888,000	(NA)
Year	Bananas [3]	Kiwifruit (CA)	Dates	Papayas (HI) [8]	Peaches	Cranberries
	Tons					
2009	9,250	25,600	23,700	15,750	1,103,520	345,650
2010	8,900	32,700	29,000	15,050	1,149,430	340,410
2011	8,700	37,700	33,300	14,300	1,071,270	385,685
2012	(NA)	29,600	31,100	(NA)	968,070	402,250
2013	7,250	27,600	30,500	12,100	905,371	447,870
2014	6,000	28,500	33,400	11,750	852,799	420,000
2015	4,530	20,900	39,000	12,600	844,780	428,150
2016	2,775	28,300	37,340	9,875	791,940	481,370
2017	3,305	33,600	43,320	11,125	700,770	419,703
2018	(NA)	37,800	41,050	5,145	651,500	446,300

(NA) Not available. [1] For some crops in certain years, production includes some quantities unharvested for economic reasons or excess cullage fruit. [2] Estimates of the commercial crop refer to production in orchards of 100 or more bearing-age trees. [3] Estimates discontinued in 2018. [4] Year of bloom. [5] Year harvest was complete. [6] Beginning in 2015, tangerine and mandarin estimates are discontinued for Arizona. [7] Beginning in 2016, tangelos are included in tangerines and mandarins. [8] Utilized production.

NASS, Crops Branch, (202) 720–2127.

Table 5-3.—Apples, commercial crop: Production and season average price per pound, by State and United States, 2016–2018

State	Total production			Utilized production			Price per pound for crop of—		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	Million pounds						*Dollars*		
California	255.0	230.0	250.0	250.0	225.0	245.0	0.207	0.333	0.290
Connecticut [1]	12.9	29.5	(NA)	12.5	29.3	(NA)	0.973	0.679	(NA)
Idaho [1]	55.2	47.4	(NA)	55.0	45.0	(NA)	0.175	0.181	(NA)
Illinois [1]	18.7	22.4	(NA)	18.1	21.4	(NA)	0.872	0.647	(NA)
Maine [1]	33.9	39.2	(NA)	33.7	37.5	(NA)	0.484	0.439	(NA)
Maryland [1]	40.6	48.4	(NA)	40.5	48.0	(NA)	0.262	0.193	(NA)
Massachusetts [1]	31.0	49.6	(NA)	30.4	48.5	(NA)	0.444	0.382	(NA)
Michigan	1,275.0	900.0	1,050.0	1,273.0	899.0	1,049.0	0.255	0.303	0.281
Minnesota [1]	21.5	25.7	(NA)	20.9	24.2	(NA)	0.816	0.864	(NA)
New Jersey [1]	31.9	38.5	(NA)	31.0	37.0	(NA)	1.080	0.943	(NA)
New York	1,250.0	1,350.0	1,395.0	1,240.0	1,330.0	1,376.8	0.279	0.269	0.191
North Carolina [1]	114.0	104.0	(NA)	113.0	102.0	(NA)	0.238	0.247	(NA)
Ohio [1]	41.9	58.9	(NA)	41.4	58.4	(NA)	0.523	0.474	(NA)
Oregon	195.4	175.2	170.0	195.0	175.0	169.0	0.307	0.221	0.327
Pennsylvania	467.0	528.0	488.0	464.0	526.0	484.1	0.192	0.223	0.222
Vermont [1]	30.0	30.9	(NA)	29.8	30.7	(NA)	0.685	0.742	(NA)
Virginia	180.0	225.0	204.0	178.0	224.0	201.9	0.201	0.217	0.185
Washington	7,320.0	7,500.0	6,700.0	6,900.0	7,200.0	6,365.0	0.341	0.338	0.343
West Virginia [1]	80.0	102.0	(NA)	79.8	101.0	(NA)	0.185	0.179	(NA)
Wisconsin [1]	41.0	49.0	(NA)	39.5	47.9	(NA)	0.552	0.549	(NA)
United States	11,495.0	11,553.7	10,257.0	11,045.6	11,209.9	9,890.8	0.316	0.321	0.305

-Represents zero. (NA) Not available. [1] Estimates discontinued in 2018.
NASS, Crops Branch, (202) 720–2127.

Table 5-4.—Apples: Production and value, United States, 2009–2018

Year	Apples, commercial crop			
	Total production	Utilized production	Marketing year average price [1]	Value
	Million pounds	*Million pounds*	*Cents per pound*	*1,000 dollars*
2009	9,687.7	9,435.6	23.1	2,182,003
2010	9,282.1	9,205.0	25.1	2,310,982
2011	9,439.6	9,328.8	30.3	2,830,784
2012	8,992.3	8,926.5	37.1	3,314,996
2013	10,523.4	10,431.7	30.2	3,147,435
2014	11,863.1	11,269.9	25.6	2,886,900
2015	10,102.5	10,022.9	33.6	3,365,665
2016	11,495.0	11,045.6	31.6	3,492,607
2017	11,553.7	11,209.9	32.1	3,601,447
2018	10,257.0	9,890.8	30.5	3,013,713

[1] Fresh fruit prices are equivalent packinghouse-door returns for California, Michigan, New York, Pennsylvania, and Washington; prices at point of first sale for other States. Processing prices are equivalent at processing plant door.
NASS, Crops Branch, (202) 720–2127.

Table 5-5.—International Apples, fresh: Production, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	metric tons		
China	40,393,000	41,390,000	31,000,000
European Union	12,722,620	10,013,600	14,008,570
United States	5,010,201	5,084,727	5,048,000
Turkey	2,900,000	2,750,000	3,000,000
Iran	2,799,200	2,799,200	2,799,200
India	2,258,000	1,920,000	2,300,000
Russia	1,509,148	1,359,580	1,503,100
Chile	1,310,000	1,330,000	1,264,000
Ukraine	1,099,200	1,099,200	1,099,200
Brazil	1,049,300	1,049,300	1,049,300
South Africa	902,130	790,000	840,000
Japan	765,000	765,000	765,000
Mexico	716,930	714,149	660,000
Argentina	560,000	560,000	590,000
New Zealand	523,000	575,500	561,000
Belarus	509,300	509,300	509,300
Canada	408,404	345,568	395,300
Serbia	328,400	328,400	328,400
Australia	308,300	308,300	308,300
Azerbaijan	254,300	254,300	254,300
Kazakhstan	188,100	188,100	188,100
Kyrgyzstan	135,600	135,600	135,600
Uruguay	37,700	37,700	37,700
Guatemala	26,500	26,500	26,500
Norway	12,400	12,400	12,400
Colombia	2,300	2,300	2,300
Taiwan	1,483	1,451	1,500
World Total	76,730,516	74,350,175	68,687,070

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 5-6.—Apples, commercial crop: Production and utilization, United States, 2009–2018

Crop of—	Total production	Utilized production	Utilization				
			Fresh	Processed (fresh basis)			
				Canned	Dried	Frozen	Juice, cider & other [1]
	Million pounds						
2009	9,687.7	9,435.6	6,296.4	1,158.2	161.2	236.2	1,583.6
2010	9,282.1	9,205.0	6,248.8	1,088.3	175.5	206.0	1,486.4
2011	9,439.6	9,328.8	6,312.9	1,123.7	183.5	190.5	1,517.8
2012	8,992.3	8,926.5	6,594.9	748.9	223.0	66.6	1,292.8
2013	10,523.4	10,431.7	6,918.7	1,311.2	161.0	249.3	1,791.0
2014	11,863.1	11,269.9	7,909.0	1,161.5	171.0	250.5	1,767.8
2015	10,102.5	10,022.9	6,928.1	1,121.1	179.0	187.5	1,527.5
2016	11,495.0	11,045.6	7,745.1	1,211.1	339.2	137.5	1,478.6
2017	11,553.7	11,209.9	7,815.8	1,161.9	370.0	119.0	1,574.8
2018	10,257.0	9,890.8	6,865.1	(NA)	(NA)	(NA)	(NA)

[1] Includes vinegar, wine, and slices for pie making.
NASS, Crops Branch, (202) 720–2127.

Table 5-7.—Apples, commercial crop: Production and utilization, by State and United States, crop of 2017 and 2018

State	Total production	Utilized production	Utilization				
			Fresh	Processed (fresh basis)			
				Canned	Dried	Frozen	Juice, cider & other [1]
	2017						
	Million pounds						
California	230.0	225.0	(D)				
Connecticut	29.6	29.3	25.9				
Idaho	47.4	45.0	24.6				
Illinois	22.5	21.4	(D)				
Maine	39.3	37.5	27.5				
Maryland	48.5	48.0	16.4				
Massachusetts	49.6	48.5	31.0				
Michigan	900.0	899.0	490.0	210.0			75.0
Minnesota	25.7	24.2	22.0				
New Jersey	38.6	37.0	28.0				
New York	1,350.0	1,330.0	735.0	252.0			284.0
North Carolina	104.0	102.0	52.0				
Ohio	59.0	58.4	48.5				
Oregon	175.2	175.0	148.0				
Pennsylvania	528.0	526.0	236.0	220.0			38.0
Vermont	31.0	30.7	24.3				
Virginia	225.0	224.0	91.0				
Washington	7,500.0	7,200.0	5,650.0	(D)			(D)
West Virginia	102.0	101.0	36.0				
Wisconsin	49.0	47.9	37.0				
Other States [2]		-	92.6	479.9			997.8
United States	11,553.7	11,209.9	7,815.8	1,161.9	370.0	123.0	1,574.8

State	Total production	Utilized production	Fresh
	2018		
	Million pounds		
California	250.0	245.0	(D)
Connecticut [3]	(NA)	(NA)	(NA)
Idaho [3]	(NA)	(NA)	(NA)
Illinois [3]	(NA)	(NA)	(NA)
Maine [3]	(NA)	(NA)	(NA)
Maryland [3]	(NA)	(NA)	(NA)
Massachusetts [3]	(NA)	(NA)	(NA)
Michigan	1,050.0	1,049.0	545.0
Minnesota [3]	(NA)	(NA)	(NA)
New Jersey [3]	(NA)	(NA)	(NA)
New York	1,395.0	1,376.8	747.7
North Carolina [3]	(NA)	(NA)	(NA)
Ohio [3]	(NA)	(NA)	(NA)
Oregon	170.0	169.0	(D)
Pennsylvania	488.0	484.1	233.8
Vermont [3]	(NA)	(NA)	(NA)
Virginia	204.0	201.9	83.6
Washington	6,700.0	6,365.0	5,025.0
West Virginia [3]	(NA)	(NA)	(NA)
Wisconsin [3]	(NA)	(NA)	(NA)
Other States [2]	-	-	230.0
United States	10,257.0	9,890.8	6,865.1

(D) Data withheld to avoid disclosing data for individual operations. [1] Includes vinegar, wine, and slices for pie making. [2] Includes data withheld above and/or data for States not listed in this table. [3] Estimates discontinued in 2018.

NASS, Crops Branch, (202) 720–2127.

Table 5-8.—Fruits, fresh: United States exports by country of destination, 2016–2018

Country	2016	2017	2018
	Metric tons		
Fresh fruits, deciduous:			
Mexico	356,780	428,149	462,730
Canada	359,172	348,733	350,815
India	62,290	105,269	154,066
Taiwan	99,492	94,509	81,327
Hong Kong	69,101	76,771	58,553
Vietnam	33,012	35,746	53,028
Korea, South	28,256	32,221	41,958
Indonesia	55,355	44,102	35,062
China	42,953	50,874	31,954
Dominican Republic	23,896	22,705	24,992
United Arab Emirates	30,315	35,014	24,858
Philippines	28,904	24,977	23,360
Japan	21,229	21,219	23,310
Thailand	22,139	19,981	21,796
Saudi Arabia	20,063	22,961	20,948
Australia(*)	19,539	18,754	20,733
Malaysia	14,460	14,856	19,186
Guatemala	14,209	15,843	16,896
Israel(*)	8,881	8,999	14,478
Colombia	11,426	16,794	13,391
Singapore	13,291	12,063	12,990
Costa Rica	12,925	12,103	12,513
El Salvador	10,413	10,384	11,630
New Zealand(*)	8,568	8,482	9,864
Honduras	8,973	10,741	9,340
United Kingdom	9,408	8,096	8,087
Panama	6,833	8,239	7,323
Ecuador	2,687	6,203	6,100
Trinidad and Tobago	6,058	4,939	4,832
Peru	3,686	6,490	4,754
Rest of World	34,586	41,482	36,576
World Total	1,438,90	1,567,700	1,617,449
Fresh fruit, other:			
Canada	187,245	176,087	177,862
Mexico	23,301	29,356	27,667
Korea, South	7,215	11,443	18,569
Japan	12,350	10,674	11,370
Saudi Arabia	3,640	4,593	4,875
United Kingdom	6,151	4,396	4,390
Hong Kong	4,884	3,481	3,986
Bermuda	3,834	3,972	3,874
United Arab Emirates	2,978	2,659	2,560
Belgium-Luxembourg(*)	3,115	2,792	2,220
Taiwan	2,068	1,826	2,011
Singapore	1,562	1,043	1,770
Australia(*)	1,407	1,245	1,647
Kuwait	1,832	1,636	1,643
Netherlands Antilles(*)	1,694	1,525	1,549
Trinidad and Tobago	160	701	1,427
Turks and Caicos Islands	600	777	867
Costa Rica	1,791	2,001	848
Bahamas, The	895	1,489	821
Germany(*)	509	397	710
New Zealand(*)	527	488	576
Netherlands	2,193	2,001	534
Brazil	602	430	527
Qatar	351	402	523
Colombia	1,009	808	505
Jamaica	146	274	449
Dominican Republic	1,240	1,111	436
Micronesia	67	329	389
El Salvador	1,357	993	382
Panama	556	321	348
Rest of World	7,706	5,178	4,099
World Total	282,984	274,425	279,432

See footnote(s) at end of table.

Table 5-8.—Fruits, fresh: United States exports by country of destination, 2016-2018—Continued

Country	2016	2017	2018
	Metric tons		
Fresh melons:			
Canada	223,244	235,212	214,395
Mexico	16,912	27,474	33,652
Japan	9,036	5,561	5,389
Taiwan	2,553	2,813	2,465
Korea, South	2,752	4,038	1,846
Hong Kong	1,644	1,290	1,287
Kuwait	616	1,171	1,123
Bahamas, The	1,010	913	823
Cayman Islands	27	33	244
Turks and Caicos Islands	93	87	148
United Arab Emirates	352	203	131
Netherlands Antilles(*)	261	94	87
French Pacific Islands(*)	106	102	71
Chile	11	21	66
Barbados	24	78	49
Saudi Arabia	75	142	48
Bermuda	6	0	46
Leeward-Windward Islands(*)	11	21	32
India	1	0	23
Dominican Republic	0	17	23
Belize	0	0	20
Panama	18	36	10
Bahrain	12	4	5
Costa Rica	0	0	3
Iceland	0	0	2
Trinidad and Tobago	27	3	0
Australia(*)	80	0	0
Cuba	0	5	0
Germany(*)	0	3	0
Guatemala	0	9	0
Rest of World	39	29	0
World Total	258,910	279,359	261,988

(*) Denotes a country that is a summarization of its component countries. All zeroes for a data item may show that statistics exist in the other import type. Consumption or General. Users should use cautious interpretation on Quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.

FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 5-9.—Apples: Foreign trade, United States, 2008–2017 [1]

Year beginning October	Imports, fresh and dried, in terms of fresh	Domestic exports	
		Fresh	Dried, in terms of fresh [1]
	Metric tons	*Metric tons*	*Metric tons*
2008	206,667	810,984	26,849
2009	225,717	748,054	22,127
2010	184,475	817,906	26,802
2011	219,305	856,819	28,492
2012	243,093	908,751	22,282
2013	243,875	848,671	23,741
2014	209,498	1,057,853	26,092
2015	233,563	746,893	27,894
2016	220,426	880,574	25,397
2017	181,523	997,082	18,652

[1] Dried converted to terms of fresh apples on following basis; 1 pound dried is equivalent to 8 pounds fresh. No re-exports reported.

ERS, Crops Branch, (202) 694–5255.

Table 5-10.—Apricots: Production and value, United States, 2009–2018

Year	Total production	Utilized production	Market year average price per ton	Value
	Tons	*Tons*	*Dollars*	*1,000 dollars*
2009	68,720	68,690	654.00	44,912
2010	66,380	66,350	722.00	47,876
2011	66,650	66,620	616.00	41,056
2012	60,800	60,770	673.00	40,879
2013	61,035	61,028	737.00	44,987
2014	64,928	64,918	818.00	53,096
2015	45,657	45,507	1,010.00	45,889
2016	64,050	63,950	898.00	57,402
2017	45,650	45,500	979.00	44,556
2018	39,550	39,370	1,230.00	48,465

NASS, Crops Branch, (202) 720–2127.

Table 5-11.—Apricots: Production and marketing year average price per ton, by State and United States, 2016–2018

State	Total production			Utilized production			Price for crop of—		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	Tons	*Tons*	*Tons*	*Tons*	*Tons*	*Tons*	*Dollars*	*Dollars*	*Dollars*
California	56,000	37,000	31,700	55,950	36,900	31,570	875.00	945.00	1,210.00
Washington	8,050	8,650	7,850	8,000	8,600	7,800	1,060.00	1,130.00	1,330.00
United States	64,050	45,650	39,550	63,950	45,500	39,370	898.00	979.00	1,230.00

NASS, Crops Branch, (202) 720–2127.

Table 5-12.—Apricots: Production and utilization, United States, 2009–2018

Crop of—	Total production	Utilized production	Utilization of quantities sold		
			Fresh	Processed [1]	
				Canned	Dried (fresh basis)
	Tons	*Tons*	*Tons*	*Tons*	*Tons*
2009	68,720	68,690	25,170	23,120	9,000
2010	66,380	66,350	23,510	20,340	10,000
2011	66,650	66,620	23,990	17,230	12,000
2012	60,800	60,770	23,130	16,640	9,500
2013	61,035	61,028	25,228	14,550	10,000
2014	64,928	64,918	25,812	17,550	9,500
2015	45,657	45,507	19,104	9,000	9,000
2016	64,050	63,950	28,500	13,350	11,000
2017	45,650	45,500	22,300	8,400	(D)
2018	39,550	39,370	23,870	(NA)	(NA)

(D) Withheld to avoid disclosure of individual operations. (NA) Not available. [1] California only. Estimates discontinued in 2018.
NASS, Crops Branch, (202) 720–2127.

Table 5-13.—Apricots: Production and utilization, by State and United States, crop of 2018

State	Total production	Utilized production	Utilization	
			Fresh	Processed*ERR17**ERR17*
	Tons			
California	31,700	31,570	(D)	(D)
Washington	7,850	7,800	(D)	(D)
Other States [1]	.....	.....	23,870	(15,500)
United States	39,550	39,370	23,870	(15,500)

(D) Withheld to avoid disclosure of individual operations. [1] Includes data withheld above.
NASS, Crops Branch, (202) 720–2127.

Table 5-14.—Apricots: Foreign trade, United States, 2008–2017

Year beginning October	Domestic exports				
	Fresh	Canned [1]	Dried [1]	Dried, in fruit salad [2]	Total, in terms of fresh [3]
	Metric tons	*Metric tons*	*Metric tons*	*Metric tons*	*Metric tons*
2008	5,047	1,289	602	355	9,064
2009	5,555	1,308	1,011	389	11,691
2010	5,646	1,389	708	470	10,283
2011	7,459	660	634	519	11,191
2012	7,774	646	533	547	10,978
2013	6,859	755	473	504	9,831
2014	5,402	621	370	409	7,749
2015	7,249	508	668	214	11,045
2016	7,781	718	894	163	12,893
2017	4,462	666	744	88	8,764

[1] Net processed weight. [2] Dried apricots are 12⅓ percent of total dried fruit for salad. [3] Dried fruit converted to unprocessed dry weight by dividing by 1.07. Unprocessed dry weight converted to terms of fresh fruit on the basis that 1 pound dried equals 5.5 pounds fresh. Canned apricots converted to terms of fresh on the basis that 1 pound canned equals 0.717 pounds fresh.
ERS, Crops Branch, (202) 694–5255.

Table 5-15.—Avocados: Foreign trade, United States, 2008–2017

Year beginning October	Imports
	Metric tons
2008	413,936
2009	365,146
2010	385,434
2011	475,630
2012	565,127
2013	699,388
2014	832,841
2015	874,209
2016	877,047
2017	1,017,274

ERS, Crops Branch, (202) 694–5255.

Table 5-16.—Avocados: Total production, marketing year average price per ton, and value of utilized production, by State and United States, 2009/2010 to 2018/2019

Season	California			Florida		
	Production	Price per ton	Value	Production	Price per ton	Value
	Tons	*Dollars*	*1,000 dollars*	*Tons*	*Dollars*	*1,000 dollars*
2009/2010	274,800	1,510.00	414,948	23,200	600.00	13,920
2010/2011	151,500	3,040.00	460,560	22,500	800.00	18,000
2011/2012	231,500	1,650.00	381,975	31,100	756.00	23,512
2012/2013	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2013/2014	149,000	2,240.00	333,760	33,400	796.00	26,586
2014/2015	140,000	2,170.00	303,800	32,500	656.00	21,320
2015/2016	201,000	2,050.00	412,050	27,300	745.00	20,339
2016/2017	113,000	3,140.00	351,240	24,100	798.00	19,080
2017/2018	170,000	2,260.00	382,460	16,900	477.00	8,014
2018/2019	171,000	2,270.00	383,485	13,900	1,120.00	15,278

Season	Hawaii			United States		
	Production	Price per ton	Value	Production	Price per ton	Value
	Tons	*Dollars*	*1,000 dollars*	*Tons*	*Dollars*	*1,000 dollars*
2009/2010	520	1,380.00	718	298,520	1,440.00	429,586
2010/2011	330	1,540.00	508	174,330	2,750.00	479,068
2011/2012	350	1,600.00	560	262,950	1,540.00	406,047
2012/2013	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2013/2014	520	2,000.00	1,040	182,920	1,980.00	361,386
2014/2015	440	2,860.00	1,258	172,940	1,890.00	326,378
2015/2016	690	2,310.00	1,481	228,990	1,900.00	433,870
2016/2017	950	2,150.00	1,934	138,050	2,720.00	372,254
2017/2018	780	2,080.00	1,538	187,680	2,100.00	392,012
2018/2019	870	2,040.00	1,591	185,770	2,180.00	400,354

(NA) Not available.
NASS, Crops Branch, (202) 720–2127.

Table 5-17.—Bananas: Bearing acreage, yield, utilized production, marketing year average price, and value, Hawaii, 2008–2017 [1]

Year	Bearing acreage	Yield per acre	Utilized Production	Price per pound	Value
	Acres	*1,000 pounds*	*1,000 pounds*	*Cents*	*1,000 dollars*
2008	1,100	15.8	17,400	46.0	8,004
2009	1,100	16.8	18,500	55.0	10,175
2010	1,100	16.2	17,800	60.0	10,680
2011	1,000	17.4	17,400	65.0	11,310
2012	(NA)	(NA)	(NA)	(NA)	(NA)
2013	1,250	11.6	14,500	90.0	13,050
2014	1,210	9.9	12,000	82.0	9,840
2015	1,150	8.0	9,060	91.2	8,265
2016	1,050	5.3	5,550	101.0	5,592
2017	950	7.0	6,610	91.2	6,028

(NA) Not available. [1] Estimates discontinued in 2018.
NASS, Crops Branch, (202) 720–2127.

Table 5-18.—Kiwifruit: Area, yield, utilized production, marketing year average price, and value, California, 2009–2018

Year	Bearing acreage	Yield [1]	Utilized Production	Price per ton	Value
	Acres	*Tons*	*Tons*	*Dollars*	*1,000 dollars*
2009	4,200	6.10	24,900	847	21,084
2010	4,200	7.79	32,500	768	24,961
2011	4,000	8.98	36,700	775	28,439
2012	3,700	8.00	27,100	1,020	27,508
2013	3,800	7.26	26,900	1,110	29,812
2014	3,700	7.70	27,900	1,190	33,333
2015	3,500	5.97	20,900	1,470	30,723
2016	3,900	7.26	28,300	1,570	44,431
2017	3,600	9.33	33,200	1,050	34,860
2018	3,900	9.70	37,800	870	32,886

[1] Yield based on total production.
NASS, Crops Branch, (202) 720-2127.

Table 5-19.—Cherries: Foreign trade, United States, 2008–2017

Year beginning October	Imports		Domestic exports	
	Fresh	Dried and preserved	Fresh	Canned
	Metric tons	*Metric tons*	*Metric tons*	*Metric tons*
2008	19,410	5,390	64,590	12,678
2009	13,601	5,036	58,737	13,758
2010	23,126	5,076	71,542	13,544
2011	17,250	6,289	101,073	16,127
2012	10,362	6,350	66,937	14,491
2013	12,033	6,614	87,626	17,761
2014	16,096	10,517	74,707	19,035
2015	11,463	8,067	75,952	17,465
2016	12,422	8,098	111,623	16,420
2017	14,509	9,708	88,373	18,318

ERS, Crops Branch, (202) 694–5255.

Table 5-20.—Sweet cherries: Production and value, United States, 2009–2018

Year	Total production	Utilized production	Marketing year average price per ton [1]	Value
	Tons	*Tons*	*Dollars*	*1,000 dollars*
2009	442,870	385,625	1,330.00	513,330
2010	313,220	307,630	2,330.00	715,684
2011	334,415	330,290	2,530.00	834,585
2012	424,000	418,415	2,020.00	843,313
2013	332,090	295,950	2,610.00	771,798
2014	363,640	358,910	2,140.00	766,551
2015	335,480	333,886	2,250.00	751,122
2016	350,240	343,090	2,250.00	773,021
2017	437,550	433,020	2,060.00	891,652
2018	344,400	342,070	1,860.00	637,700

[1] Fresh fruit prices are equivalent packinghouse-door returns for Western States, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.
NASS, Crops Branch, (202) 720–2127.

Table 5-21.—Tart cherries: Production and value, United States, 2009–2018

Year	Total production	Utilized production	Marketing year average price per pound [1]	Value
	Million pounds	*Million pounds*	*Dollars*	*1,000 dollars*
2009	359.2	320.8	0.192	61,628
2010	190.4	183.2	0.222	40,741
2011	231.8	230.3	0.300	69,072
2012	85.2	85.0	0.594	50,520
2013	294.2	291.1	0.359	104,395
2014	304.2	300.6	0.355	106,810
2015	252.5	251.1	0.347	87,037
2016	329.3	318.7	0.274	87,335
2017	259.5	254.1	0.224	56,868
2018	214.4	288.8	0.196	56,635

[1] Fresh fruit prices are equivalent packinghouse-door returns for Western States, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.
NASS, Crops Branch, (202) 720–2127.

Table 5-22.—Sweet cherries: Production and season average price, by State and United States, 2016–2018

State	Total production			Utilized production			Price [1]		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	Tons	*Tons*	*Tons*	*Tons*	*Tons*	*Tons*	*Dollars per ton*	*Dollars per ton*	*Dollars per ton*
California	55,000	97,800	44,800	52,500	95,000	44,170	3,510.00	3,480.00	3,180.00
Michigan [2]	22,610	21,300	(NA)	22,510	21,020	(NA)	808.00	765.00	(NA)
Oregon	62,080	55,900	54,600	59,080	55,400	54,100	1,340.00	1,270.00	1,310.00
Washington	210,550	262,550	245,000	209,000	261,600	243,800	2,350.00	1,810.00	1,750.00
United States	350,240	437,550	344,400	343,090	433,020	342,070	2,250.00	2,060.00	1,860.00

(NA) Not available. [1] Fresh fruit prices are equivalent packinghouse-door returns for California, Oregon, and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. [2] Estimates discontinued in 2018.

NASS, Crops Branch, (202) 720–2127.

Table 5-23.—Tart cherries: Production and season average price, by State and United States, 2016–2018

State	Total production			Utilized production			Price [1]		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	Million pounds	*Million pounds*	*Million pounds*	*Million pounds*	*Million pounds*	*Million pounds*	*Dollars per Lb.*	*Dollars per Lb.*	*Dollars per Lb.*
Michigan	227.0	189.2	201.0	224.7	188.0	198.2	0.239	0.211	0.191
New York	7.9	8.0	(D)	7.9	7.7	(D)	0.304	0.316	(D)
Utah	52.8	26.0	45.0	49.6	25.0	41.0	0.353	0.304	0.222
Washington	28.0	25.0	(D)	23.0	24.0	(D)	0.415	0.210	(D)
Wisconsin	13.6	11.3	10.9	13.5	9.4	10.0	0.302	0.224	0.193
Other States	-	-	41.4	-	-	39.6	(X)	(X)	0.194
United States	329.3	259.5	298.3	318.7	254.1	288.8	0.274	0.224	0.196

(D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. [1] Fresh fruit prices are equivalent packinghouse-door returns for Oregon and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.

NASS, Crops Branch, (202) 720–2127.

Table 5-24.—Sweet cherries: Production and utilization, by State and United States, crop of 2018 [1]

State	Total production	Utilized production	Utilization		
			Fresh [1]	Processed [2]	
				Canned	Brined
	Tons				
California	44,800	44,170	35,660	.....	.....
Michigan [2]	(NA)	(NA)	(NA)	.....	.....
Oregon	54,600	54,100	41,000	.....	(NA)
Washington	245,000	243,800	214,400	(NA)	(NA)
United States	344,400	343,090	291,060	(NA)	(NA)

- Represents zero. (NA) Not available. [1] Includes ''Home use.'' [2] Estimates discontinued in 2018.
NASS, Crops Branch, (202) 720–2127.

Table 5-25.—Tart cherries: Production and utilization, by State and United States, crop of 2018 [1]

State	Total production	Utilized production	Utilization		
			Fresh [1]	Processed	
				Canned [2]	Frozen [2]
	Million pounds				
Michigan	201.0	198.2	0.2	(NA)	(NA)
New York	(D)	(D)	(D)	.....	.....
Utah	45.0	41.0	-	.....	.....
Washington	(D)	(D)	(D)	.....	.....
Wisconsin	10.9	10.0	0.3	.....	.....
Other States [3]	41.4	39.6	0.3	(NA)	(NA)
United States	298.3	288.8	0.8	(NA)	(NA)

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. [1] Includes ''Home use.'' [2] Estimates discontinued in 2018. [3] Includes data withheld above and/or data for States not listed in this table.
NASS, Crops Branch, (202) 720–2127.

Table 5-26.—Sweet cherries: Production and utilization, United States, 2009–2018

Crop of—	Total production	Utilized production	Utilization of quantities sold		
			Fresh [1]	Processed	
				Other [2]	Brined
	Tons				
2009	442,870	385,625	296,750	29,053	51,571
2010	313,220	307,630	244,340	21,905	38,234
2011	334,415	330,290	258,920	25,495	39,625
2012	424,000	418,415	332,555	35,795	47,065
2013	332,090	295,950	217,950	28,535	44,945
2014	363,640	358,910	268,010	40,360	47,041
2015	335,480	333,886	250,806	.....	43,090
2016	350,240	343,090	257,860	.....	51,600
2017	437,550	433,020	348,920	.....	51,850
2018	344,400	342,070	291,060	.....	.....

[1] Includes "Home use." [2] Includes canned utilization and other processed utilizations from all States.
NASS, Crops Branch, (202) 720–2127.

Table 5-27.—Tart cherries: Production and utilization, United States, 2009–2018

Crop of—	Total production	Utilized production	Utilization of quantities sold		
			Fresh [1]	Processed	
				Other [2]	Frozen
	Million pounds				
2009	359.2	320.8	1.3	35.3	232.0
2010	190.4	183.2	0.8	21.2	125.9
2011	231.8	230.3	0.5	37.3	154.1
2012	85.2	85.0	0.4	18.3	59.8
2013	294.2	291.1	1.2	92.4	158.4
2014	304.2	300.6	1.9	63.3	198.9
2015	252.5	251.1	1.2	.....	175.4
2016	329.3	318.7	0.6	.....	240.6
2017	259.5	254.1	0.8	.....	169.8
2018	298.3	288.8	0.8	.....	.....

[1] Includes "Home use." [2] Includes canned utilization and other processed utilizations from all states.
NASS, Crops Branch, (202) 720–2127.

Table 5-28.—Citrus fruit: Utilized production and value, United States, for season of 2009/2010 to 2018/2019

Season [1]	Production	Marketing year average returns per box [2]	Value	Quantities processed
	Oranges [3]			
	1,000 boxes	*Dollars*	*1,000 dollars*	*1,000 boxes*
2009/2010	192,835	10.24	1,997,188	137,628
2010/2011	204,949	10.90	2,230,412	148,237
2011/2012	206,119	12.70	2,621,620	149,972
2012/2013	189,893	10.85	2,073,638	134,799
2013/2014	155,977	14.29	2,254,303	109,376
2014/2015	146,602	13.29	1,963,353	102,388
2015/2016	141,891	13.55	1,927,270	91,791
2016/2017	118,520	16.30	1,943,678	74,437
2017/2018	91,130	19.82	1,830,445	50,081
2018/2019	124,050	13.76	1,704,399	83,115
	Grapefruit			
2009/2010	30,400	9.65	291,424	13,231
2010/2011	30,360	9.29	283,597	14,276
2011/2012	27,650	10.08	279,033	13,121
2012/2013	28,950	8.87	256,524	14,340
2013/2014	25,200	9.60	241,686	12,389
2014/2015	21,950	9.85	216,258	9,755
2015/2016	19,400	13.09	254,318	8,794
2016/2017	16,960	15.12	256,917	7,123
2017/2018	12,480	16.71	207,970	5,136
2018/2019	13,810	15.04	206,541	6,889
	Lemons			
2009/2010	23,200	17.04	395,339	10,482
2010/2011	23,000	16.80	386,514	7,987
2011/2012	21,250	21.12	448,698	4,869
2012/2013	22,800	17.56	400,295	7,394
2013/2014	20,600	31.13	641,259	4,840
2014/2015	22,600	30.83	696,835	7,302
2015/2016	22,600	33.41	755,086	5,224
2016/2017	22,050	34.62	763,446	4,535
2017/2018	22,200	32.24	715,761	5,195
2018/2019	24,150	28.39	685,708	6,538
	Tangerines and Mandarins [4]			
2009/2010	14,700	18.30	274,519	3,204
2010/2011	15,550	20.87	330,503	3,260
2011/2012	15,290	22.34	349,167	3,029
2012/2013	16,440	25.60	426,101	2,785
2013/2014	17,750	31.05	557,357	2,869
2014/2015	21,135	22.13	468,083	5,614
2015/2016	23,115	21.23	490,217	7,657
2016/2017	25,420	22.35	568,084	8,366
2017/2018	19,950	28.86	575,976	4,664
2018/2019	26,990	28.01	757,189	6,647

[1] The crop year begins with the bloom of the first year shown and ends with completion of harvest the following year. [2] Equivalent packing-house door returns. [3] Includes small quantities of tangerines in Texas and Temples in Florida. [4] Arizona and California tangelos and tangors included. Beginning in 2016/2017, Florida includes tangelos.

NASS, Crops Branch, (202) 720–2127.

Table 5-29.—Citrus fruit: Utilized production and marketing year average returns per box, by State, 2017/2018 and 2018/2019 [1]

Crop and State	Utilized production		Market year average price [2]	
	2017/2018	2018/2019	2017/2018	2018/2019
Oranges	*1,000 boxes [3]*	*1,000 boxes [3]*	*Dollars*	*Dollars*
Early, midseason, and Navel varieties:				
California	35,900	40,800	25.36	14.23
Florida	18,950	30,400	13.70	12.40
Texas	1,530	2,210	17.37	8.95
Total	56,380	73,410	20.92	13.26
Valencia:				
California	8,300	9,000	22.00	9.99
Florida	26,100	41,350	22.85	18.25
Texas	350	290	25.60	16.60
Total	34,750	50,640	18.14	14.44
All oranges:				
California	44,200	49,800	24.73	13.46
Florida	45,050	71,750	15.58	14.07
Texas	1,880	2,500	18.90	9.84
United States	91,130	124,050	19.82	13.76
Grapefruit				
California	3,800	3,200	18.34	17.49
Florida, all	3,880	4,510	18.87	18.93
Red	3,180	3,740	19.32	18.92
White [4]	700	770	16.81	18.98
Texas	4,800	6,100	13.56	10.69
United States	12,480	13,810	16.71	15.04
Lemons				
Arizona	1,000	1,350	34.20	30.89
California	21,200	22,800	32.15	28.25
United States	22,200	24,150	32.24	28.29
Tangerines and Mandarins				
California [5]	19,200	26,000	28.96	28.29
Florida	750	990	26.60	21.84
United States	19,950	26,990	28.86	28.01

[1] The crop year begins with the bloom of the first year shown and ends with completion of harvest the following year. [2] Equivalent packinghouse-door returns. [3] Net lbs. per box: oranges—California, 80; Florida, 90; and Texas, 85; grapefruit—California, 80, Florida, 95; Florida, 85; Texas, 80; lemons—80; tangerines and mandarins—California, 80. [4] Includes seedy grapefruit. [5] Includes tangelos and tangors.

NASS, Crops Branch, (202) 720–2127.

Table 5-30.—International Citrus, fresh: Production in specified countries, 2016/2017-2018/2019

Country	Production		
	2016/2017	2017/2018	2018/2019
	1,000 metric tons		
Grapefruit:			
China	4,600	4,800	4,900
United States	633	469	606
South Africa	354	419	450
Mexico	442	445	445
Turkey	253	265	270
Israel	149	144	155
European Union	106	108	112
Japan	25	22	24
Lemons/limes:			
Mexico	2,513	2,570	2,600
European Union	1,534	1,472	1,615
Argentina	1,450	1,500	1,600
Turkey	750	825	948
United States	800	806	777
South Africa	430	460	480
Israel	67	65	75
Morocco	40	36	45
Japan	53	45	40
United Arab Emirates	6	5	5
Oranges:			
Brazil	20,890	15,708	17,750
China	7,000	7,300	7,200
European Union	6,739	6,269	6,512
United States	4,616	3,555	5,022
Mexico	4,630	4,530	4,630
Egypt	3,000	3,120	3,420
Turkey	1,850	1,905	1,885
South Africa	1,363	1,550	1,620
Morocco	1,037	1,021	1,200
Vietnam	768	770	770
Argentina	700	600	500
Australia	480	515	500
Costa Rica	322	315	310
Guatemala	179	180	180
Israel	81	76	90
Iraq	75	75	75
Mozambique	68	68	68
Bangladesh	21	21	21
Malaysia	13	13	13
Japan	6	5	6
Tangerines/mandarins:			
China	20,600	21,200	22,000
European Union	3,421	2,939	3,416
Morocco	1,278	1,185	1,350
Turkey	1,300	1,310	1,180
Japan	1,070	990	1,000
United States	933	729	878
Korea, South	600	577	610
South Africa	261	280	300
Argentina	320	350	280
Israel	243	162	220
Thailand	138	135	135
Malaysia	13	13	13
Philippines	13	13	13

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 5-31.—Fresh fruits, citrus: United States exports by country of destination, 2016–2018

Country of destination	2016	2017	2018
	Metric tons		
Canada	234,128	185,059	162,369
Korea, South	204,105	226,947	162,360
Japan	163,312	125,858	111,030
Hong Kong	117,777	96,026	94,301
China	53,091	47,029	42,311
Mexico	30,314	21,637	25,460
Australia(*)	22,316	18,498	16,410
Singapore	16,112	11,343	10,167
New Zealand(*)	10,012	9,964	10,070
Netherlands	10,512	7,858	9,856
Malaysia	17,896	10,110	9,362
Taiwan	24,602	19,466	9,139
France(*)	12,381	10,566	6,935
Chile	3,943	6,876	6,918
Philippines	10,242	5,737	3,790
Peru	3,142	2,735	2,409
Bahamas, The	1,481	1,518	1,564
Thailand	1,300	1,729	1,537
Dominican Republic	46	761	1,411
Indonesia	2,462	2,593	1,371
Belgium-Luxembourg(*)	2,837	2,895	1,071
Guatemala	902	838	965
Ecuador	1,506	1,311	911
United Kingdom	2,551	1,159	833
Germany(*)	1,397	1,067	775
Panama	527	577	595
Barbados	436	544	577
French Pacific Islands(*)	427	331	474
Cayman Islands	433	353	299
Other Pacific Islands, NEC(*)	304	119	281
Rest of World	9,247	3,532	2,266
World Total	959,739	825,038	697,814

(*) Denotes a country that is a summarization of its component countries. Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.

FAS, Office of Global Analysis,(202) 720–6301. Data Source: U.S. Census Bureau Trade Data.

Table 5-32.—Fresh citrus fruits: Foreign trade, United States, 2008–2017

Year [1]	Oranges		Grapefruit		Lemons		Limes		Tangerines	
	Imports	Domestic exports	Imports	Domestic exports	Imports	Domestic exports	Imports	Domestic exports	Imports	Domestic exports
	Metric tons	*Metric tons*	*Metric tons*	*Metric tons*	*Metric tons*	*Metric tons*	*Metric tons*	*Metric tons*	*Metric tons*	*Metric tons*
2008	90,546	495,662	11,697	246,865	37,565	91,459	358,289	2,364	8,027	17,496
2009	101,180	665,157	11,370	245,696	40,848	91,445	362,317	2,317	7,748	18,195
2010	92,159	752,613	7,103	225,836	56,278	97,275	352,956	2,550	6,101	30,419
2011	131,519	694,530	2,869	207,537	50,939	92,081	423,350	3,434	4,202	22,786
2012	130,812	679,660	11,862	182,725	38,152	104,031	438,830	4,389	3,614	23,529
2013	156,261	507,665	13,777	146,673	56,996	122,420	438,273	4,569	2,573	17,628
2014	152,211	523,345	9,291	140,729	85,519	109,663	499,221	3,954	4,565	18,713
2015	166,074	655,187	21,931	123,458	83,851	107,338	542,152	4,433	7,882	12,837
2016	172,261	614,050	26,845	108,020	110,252	106,827	602,749	4,846	2,250	12,916
2017	219,044	510,475	10,216	57,580	110,828	88,537	605,411	5,333	3,550	11,765

[1] Year beginning October for all commodities.
ERS, Crops Branch, (202) 694–5255.

Table 5-33.—Concentrated citrus juices: Annual packs, Florida, 2008–2017

Season beginning December	Frozen concentrated juice [1]		
	Orange [2]	Grapefruit [2]	Tangerine
	1,000 gallons	*1,000 gallons*	*1,000 gallons*
2008	120,800	10,731	466
2009	82,260	7,904	740
2010	82,106	9,297	1,374
2011	106,432	9,059	1,083
2012	76,132	7,437	928
2013	35,655	5,745	825
2014	28,878	4,504	1,046
2015	22,269	3,275	276
2016	17,916	2,187	.....
2017	9,923	600	.....

[1] Net pack. [2] Frozen orange juice reported in 42.0° Brix; Grapefruit 40.0° Brix. Includes concentrated juice for manufacture.
ERS, Crops Branch, (202) 694–5255.

Table 5-34.—Dates: Area, yield, total production, marketing year average price per ton, and value, California, 2009–2018

Year	Bearing acreage	Yield per acre	Production	Price per ton	Value
	Acres	*Tons*	*Tons*	*Dollars*	*1,000 dollars*
2009	6,700	3.54	23,700	1,180	27,966
2010	7,700	3.77	29,000	1,270	36,830
2011	8,400	3.96	33,300	1,320	43,956
2012	8,800	3.53	31,100	1,340	41,674
2013	8,200	3.72	30,500	1,220	37,210
2014	10,000	3.34	33,400	1,510	50,434
2015	10,200	3.82	39,000	1,560	60,840
2016	12,300	3.04	37,340	2,020	75,156
2017	13,400	3.23	43,320	3,510	150,959
2018	13,100	3.13	41,050	3,800	152,175

NASS, Crops Branch, (202) 720–2127.

Table 5-35.—Dates: Foreign trade, United States, 2008–2017

Year beginning October	Imports
	Metric tons
2008	13,079
2009	12,094
2010	20,113
2011	22,875
2012	23,945
2013	28,974
2014	32,189
2015	27,939
2016	21,900
2017	35,824

ERS, Crops Branch, (202) 694–5255.

Table 5-36.—Cranberries: Area, yield, production, season average price per barrel, value and quantities processed, United States, 2009–2018 [1]

Year	Area harvested	Yield per acre [2]	Total production [3]	Utilized production	Price [4]	Value	Quantities processed [5]
	Acres	*Barrels [6]*	*Barrels [6]*	*Barrels [6]*	*Dollars*	*1,000 dollars*	*Barrels [6]*
2009	38,500	179.6	6,913,000	6,913,000	44.20	305,669	6,580,000
2010	38,500	176.8	6,808,200	6,808,200	43.90	299,123	6,589,000
2011	38,500	200.4	7,713,700	7,713,700	44.80	345,561	7,473,200
2012	40,300	199.6	8,045,000	8,045,000	47.90	385,506	7,791,000
2013	42,000	211.4	8,957,400	8,880,700	32.40	287,322	8,559,300
2014	40,600	202.9	8,400,000	8,236,000	30.90	254,412	7,968,000
2015	40,900	206.7	8,563,000	8,455,000	31.00	261,853	8,004,800
2016	41,500	230.0	9,627,400	9,544,000	30.60	292,292	9,083,900
2017	39,900	209.1	8,394,050	8,343,150	30.20	252,088	8,010,250
2018	39,300	227.1	8,926,000	8,846,560	25.10	222,440	8,578,900

[1] Estimates relate to Massachusetts, New Jersey, Oregon, Washington, and Wisconsin. [2] Derived from utilized production. [3] Differences between utilized and total production are quantities unharvested for economic reasons or excess cullage and/or set-aside production under provisions of the Cranberry Marketing Order. [4] Average price of utilized production. Equivalent returns at first delivery point, screened basis of utilized production. [5] Mainly for canning. [6] Barrels of 100 pounds.

NASS, Crops Branch, (202) 720–2127.

Table 5-37.—Cranberries: Area, yield, production, and season average price per barrel, by State and United States, 2016–2018

State	Area harvested			Yield per acre [1]		
	2016	2017	2018	2016	2017	2018
	Acres	*Acres*	*Acres*	*Bbl.*	*Bbl.*	*Bbl.*
Massachusetts	12,900	12,300	12,700	174.3	154.0	180.4
New Jersey	3,100	2,700	3,100	208.4	178.8	165.3
Oregon	2,800	2,800	2,800	140.7	173.0	206.7
Washington [2]	1,600	1,500	(NA)	109.4	98.4	(NA)
Wisconsin	21,100	20,600	20,700	288.2	259.5	267.8
United States	41,500	39,900	39,300	230.0	209.1	227.1
State	Total production			Price per barrel [3]		
	2016	2017	2018	2016	2017	2018
	Bbl.	*Bbl.*	*Bbl.*	*Dollars*	*Dollars*	*Dollars*
Massachusetts	2,268,000	1,911,400	2,290,000	30.70	31.50	22.30
New Jersey	653,000	473,300	512,000	43.10	36.60	31.10
Oregon	401,000	489,700	579,000	26.50	26.40	24.30
Washington [2]	175,400	147,650	(NA)	44.20	42.50	(NA)
Wisconsin	6,130,000	5,372,000	5,545,000	29.20	29.20	25.90
United States	9,627,400	8,394,050	8,926,000	30.60	30.20	25.10

[1] 2016 and 2017 yield is based upon utilized production. 2018 yield is based upon total production. [2] Estimates discontinued in 2018. [3] Average price of utilized production. Equivalent returns at first delivery point, screened basis of utilized production.

NASS, Crops Branch, (202) 720–2127.

Table 5-38.—Figs: Total production, marketing year average price per ton, and value, California, 2008–2017 [1]

Year	Dried				Total		
	Production (dry basis)			Price per ton	Production	Price per ton	Value
	Total	Standard	Substandard				
	Tons	*1,000 tons*	*Tons*	*Dollars*	*Tons*	*Dollars*	*1,000 dollars*
2008	13,100	11,800	1,300	1,200	43,300	599	25,954
2009	13,300	12,000	1,300	1,540	43,750	695	30,422
2010	12,320	10,900	1,420	1,220	40,910	542	22,185
2011	11,560	10,140	1,420	1,230	38,660	526	20,336
2012	10,400	9,600	800	1,350	35,200	555	19,520
2013	9,300	8,600	700	1,500	33,000	610	20,143
2014	9,470	8,840	630	1,640	33,400	719	23,998
2015	8,940	8,320	620	1,760	31,700	799	25,333
2016	9,260	8,720	540	1,870	32,700	911	29,779
2017	9,100	8,570	530	1,490	31,200	916	28,568

[1] Estimates discontinued in 2018.

NASS, Crops Branch, (202) 720–2127.

Table 5-39.—Figs, dried: Foreign trade, United States, 2008–2017

Year beginning October	Imports for consumption	Domestic exports
	Metric tons	*Metric tons*
2008	6,042	5,019
2009	4,035	5,795
2010	4,042	5,065
2011	4,236	5,449
2012	5,816	4,895
2013	10,294	4,537
2014	7,137	4,670
2015	11,821	3,964
2016	9,983	4,295
2017	12,452	3,336

ERS, Crops Branch, (202) 694–5255.

Table 5-40.—Grapes: Production, price, and value, United States, 2009–2018

Year	Grapes			
	Production (fresh basis)		Market year average price per ton [1]	Value
	Total	Utilized		
	Tons	*Tons*	*Dollars*	*1,000 dollars*
2009	7,267,890	7,240,310	566.00	4,101,600
2010	7,432,120	7,429,490	542.00	4,023,967
2011	7,408,740	7,401,370	576.00	4,262,945
2012	7,530,883	7,524,443	752.00	5,661,096
2013	8,631,790	8,620,810	712.00	6,135,301
2014	7,883,830	7,871,580	740.00	5,822,250
2015	7,621,150	7,621,080	776.00	5,914,468
2016	7,697,030	7,694,900	818.00	6,294,150
2017	7,383,850	7,383,160	881.00	6,507,849
2018	7,596,000	7,596,000	871.00	6,615,121

[1] Fresh fruit prices are equivalent packinghouse-door returns for California and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.
NASS, Crops Branch, (202) 720–2127.

Table 5-41.—Grapes: Production and marketing year average price per ton, by State and United States, 2016–2018

State	Total production			Utilized production		
	2016	2017	2018	2016	2017	2018
	Tons	*Tons*	*Tons*	*Tons*	*Tons*	*Tons*
California	6,752,000	6,507,000	7,130,000	6,752,000	6,507,000	7,130,000
Raisin [1]	1,570,000	1,301,000	1,545,000	1,570,000	1,301,000	1,545,000
Table [1]	1,150,000	1,190,000	1,300,000	1,150,000	1,190,000	1,300,000
Wine	4,032,000	4,016,000	4,285,000	4,032,000	4,016,000	4,285,000
Michigan [2]	93,400	63,600	(NA)	93,400	63,500	(NA)
Missouri [2]	5,330	6,130	(NA)	5,330	6,100	(NA)
New York [2]	171,000	187,000	(NA)	171,000	187,000	(NA)
North Carolina [2]	4,900	7,210	(NA)	4,900	7,200	(NA)
Ohio [2]	5,500	4,640	(NA)	5,470	4,600	(NA)
Oregon [2]	67,000	77,000	(NA)	67,000	77,000	(NA)
Pennsylvania [2]	85,800	91,700	(NA)	83,800	91,300	(NA)
Texas [2]	13,600	11,760	(NA)	13,500	11,660	(NA)
Virginia [2]	8,500	8,810	(NA)	8,500	8,800	(NA)
Washington	490,000	419,000	466,000	490,000	419,000	466,000
Juice	220,000	190,000	205,000	220,000	190,000	205,000
Wine	270,000	229,000	261,000	270,000	229,000	261,000
United States	7,697,030	7,383,850	7,596,000	7,694,900	7,383,160	7,596,000

State	Price per ton [3]		
	2016	2017	2018
	Dollars	*Dollars*	*Dollars*
California	832.00	899.00	877.00
Raisin [1]	277.00	414.00	424.00
Table [1]	1,340.00	1,330.00	978.00
Wine	905.00	927.00	1,010.00
Michigan [2]	312.00	379.00	(NA)
Missouri [2]	934.00	702.00	(NA)
New York [2]	373.00	369.00	(NA)
North Carolina [2]	895.00	734.00	(NA)
Ohio [2]	554.00	644.00	(NA)
Oregon [2]	2,140.00	2,230.00	(NA)
Pennsylvania [2]	324.00	281.00	(NA)
Texas [2]	1,530.00	1,620.00	(NA)
Virginia [2]	1,980.00	2,170.00	(NA)
Washington	735.00	761.00	774.00
Juice	213.00	220.00	220.00
Wine	1,160.00	1,210.00	1,210.00
United States	818.00	881.00	871.00

(NA) Not available. [1] Fresh equivalent of dried and not dried. [2] Estimates discontinued in 2018. [3] Fresh fruit prices are equivalent packinghouse-door returns for California and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.
NASS, Crops Branch, (202) 720–2127.

Table 5-42.—Grapes: Production and utilization, United States, 2009–2018

Crop of—	Total production [1]	Utilized production	Utilization of quantities sold				
			Fresh	Processed			
				Canned	Dried (fresh basis)	Crushed for wine	Crushed for juice, etc. [2]
	Tons						
2009	7,267,890	7,240,310	898,940	20,000	1,510,000	4,373,070	438,300
2010	7,432,120	7,429,490	953,290	25,000	1,777,000	4,270,300	403,900
2011	7,408,740	7,401,370	944,740	25,000	1,807,000	4,154,530	470,100
2012	7,530,883	7,524,443	963,483	20,000	1,488,000	4,706,470	346,490
2013	8,631,790	8,620,810	1,116,940	22,000	1,909,000	5,067,610	504,160
2014	7,883,830	7,871,580	1,053,040	21,000	1,721,000	4,526,020	549,920
2015	7,621,150	7,621,080	1,043,970	22,000	1,864,000	4,254,330	435,780
2016	7,697,030	7,694,900	1,039,950	19,000	1,478,000	4,667,830	488,420
2017	7,383,850	7,383,160	1,030,310	16,000	1,221,000	4,662,950	451,900
2018	7,596,000	7,596,000	1,098,900	(NA)	(NA)	(NA)	(NA)

[1] Total production includes utilized production plus production not harvested and harvested not sold. [2] Mostly juice, but includes some quantities used for jam, jelly, etc.
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Table 5-43.—Grapes: Production and utilization, by State and United States, crop of 2018

State	Total production	Utilized production	Utilization	
			Fresh	Processed
	Tons			
California	7,130,000	7,130,000	1,098,900	6,031,100
Raisin	1,545,000	1,545,000	10,800	1,534,200
Table	1,300,000	1,300,000	1,088,100	211,900
Wine	4,285,000	4,285,000	-	4,285,000
Michigan [1]	(NA)	(NA)	(NA)	
Missouri [1]	(NA)	(NA)	(NA)	
New York [1]	(NA)	(NA)	(NA)	
North Carolina [1]	(NA)	(NA)	(NA)	
Ohio [1]	(NA)	(NA)	(NA)	
Oregon [1]	(NA)	(NA)	(NA)	
Pennsylvania [1]	(NA)	(NA)	(NA)	
Texas [1]	(NA)	(NA)	(NA)	
Virginia [1]	(NA)	(NA)	(NA)	
Washington	466,000	466,000	-	466,000
Juice	205,000	205,000	-	205,000
Wine	261,000	261,000	-	261,000
United States	7,596,000	7,596,000	1,098,900	6,497,100

- Represents zero. (NA) Not available. [1] Estimates discontinued in 2018.
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Table 5-44.—Grapes and raisins: Foreign trade, United States, 2008–2017

Year beginning October	Grapes		Raisins [1]	
	Imports, fresh	Domestic exports, fresh	Imports for consumption	Domestic exports
	Metric tons			
2008	600,908	341,205	21,467	160,451
2009	602,273	284,092	24,289	173,049
2010	557,397	334,609	18,813	154,541
2011	557,310	378,504	19,336	142,997
2012	566,038	366,088	17,102	131,980
2013	500,977	421,560	14,904	174,024
2014	554,674	366,143	20,588	132,274
2015	532,383	329,973	25,421	124,775
2016	625,371	330,195	14,753	136,454
2017	580,156	334,085	46,414	104,591

[1] Raisins converted to sweatbox or production basis by multiplying by 1.08.
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Table 5-45.—Nectarines: Total Production, utilization, and value, United States, 2009–2018

Year—	Total Production	Utilization		Marketing year average price per ton	Value
		Fresh	Processed (fresh basis)		
	Tons	*Tons*	*Tons*	*Dollars*	*1,000 dollars*
2009	219,800	219,800	(NA)	631.00	138,611
2010	233,200	233,200	(NA)	553.00	129,075
2011	225,200	225,200	(NA)	582.00	130,973
2012	188,900	188,900	(NA)	767.00	144,906
2013	162,100	148,300	13,800	772.00	125,113
2014	187,300	170,000	9,300	866.00	162,221
2015	159,500	150,600	6,600	910.00	143,061
2016	151,350	145,600	5,600	885.00	133,791
2017	141,850	135,200	5,600	911.00	128,255
2018	120,500	(D)	(D)	874.00	104,626

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available
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Table 5-46.—Olives: Total production, marketing year average price, value, and processed utilization, California, 2009–2018

Year	Total Production	Marketing year average price per ton	Value	Processed utilization			
				Crushed for oil	Canned	Limited	Undersized
	Tons	*Dollars*	*1,000 dollars*	*Tons*	*Tons*	*Tons*	*Tons*
2009	46,300	696	32,209	20,000	24,500	1,500	300
2010	206,000	664	136,796	36,000	125,000	37,000	8,000
2011	71,200	733	52,168	42,000	26,500	2,200	500
2012	160,000	813	130,038	74,000	78,500	6,400	1,100
2013	166,000	813	134,881	75,000	78,800	10,500	1,700
2014	95,000	774	73,559	45,000	30,500	5,900	900
2015	179,000	894	160,043	101,000	60,000	14,600	3,400
2016	164,900	860	141,761	97,700	54,000	11,100	2,000
2017	192,300	974	186,649	101,000	70,000	17,300	3,400
2018	53,600	766	40,523	35,500	14,920	2,060	420

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Table 5-47.—Olives and olive oil: Foreign trade, United States, 2008–2017

Year beginning October	Imports			
	Olives		Olive oil	
	In brine	Dried	Edible	Inedible
	Metric tons			
2008	109,230	289	275,611	594
2009	137,533	184	268,069	114
2010	117,915	206	290,226	258
2011	118,614	145	314,937	788
2012	119,035	131	296,029	379
2013	118,734	202	311,142	351
2014	119,442	130	310,110	163
2015	127,291	48	330,324	153
2016	122,094	47	315,577	156
2017	122,201	75	321,437	215

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Table 5-48.—Papayas: Area, utilized production, utilization, marketing year average price, and value, Hawaii, 2009–2018

Year	Area harvested	Utilized production	Utilization		Price per pound	Value
			Fresh	Processed		
	Acres	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*Cents*	*dollars*
2009	1,325	31,500	30,300	1,200	45.0	14,186
2010	1,350	30,100	29,200	900	37.0	11,123
2011	1,300	28,600	27,700	900	34.0	9,722
2012	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
2013	700	24,200	23,000	1,200	34.4	8,316
2014	900	23,500	23,000	500	48.0	11,285
2015	900	25,200	(D)	(D)	41.9	10,570
2016	700	19,750	(D)	(D)	49.2	9,713
2017	1,100	22,250	(D)	(D)	42.2	9,400
2018	800	10,290	7,000	3,290	55.4	5,702

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available.
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Table 5-49.—Peaches: Production and value, United States, 2009–2018

Year	Total production	Utilized production	Marketing year average price [1]	Value
	1,000 tons	*1,000 tons*	*Dollars per ton*	*1,000 dollars*
2009	1,103,520	1,082,420	548	593,387
2010	1,149,430	1,129,770	547	617,459
2011	1,071,270	1,042,340	563	587,228
2012	968,070	955,890	647	618,369
2013	905,371	890,181	618	550,243
2014	852,799	837,907	750	628,846
2015	844,780	823,005	732	602,214
2016	791,940	775,230	803	622,624
2017	700,770	694,220	864	599,862
2018	651,500	638,020	801	511,226

[1] Fresh fruit prices are equivalent packinghouse-door returns for California and Washington except equivalent returns for bulk fruit at the first delivery point for California Clingstone, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.

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Table 5-50.—Peaches: Production and utilization, United States, 2009–2018

Year	Total production [1]	Utilized production	Utilization of quantities sold				
			Fresh [2]	Processed (fresh basis)			
				Canned [3]	Dried	Frozen [3]	Other [4]
	Tons						
2009	1,103,520	1,082,420	502,920	463,740	7,100	92,000	16,850
2010	1,149,430	1,129,770	566,400	428,470	12,700	104,400	17,800
2011	1,071,270	1,042,340	531,050	387,190	4,600	100,600	18,900
2012	968,070	955,890	480,750	364,640	9,800	90,210	10,490
2013	905,371	890,181	398,470	369,751	4,200	103,740	14,020
2014	852,799	837,907	393,200	330,220	4,200	95,290	14,497
2015	844,780	823,005	355,335	339,530	(NA)	108,400	(NA)
2016	791,940	775,230	333,350	322,350	(NA)	100,320	(NA)
2017	700,770	694,220	314,600	301,460	(NA)	62,500	(NA)
2018	651,500	638,020	279,790	(NA)	(NA)	(NA)	(NA)

[1] Includes harvested not sold and unharvested production for California Clingstone peaches. [2] Includes ''Home use.'' [3] Estimated discontinued in 2018. [4] Used for jams, preserves, pickles, wine, brandy, baby food, etc. Includes small quantities frozen for some years.

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Table 5-51.—Peaches: Foreign trade, United States, 2008–2017

Year beginning October	Domestic exports				
	Fresh	Canned	Canned, in fruit salad [1]	Dried, in fruit salad [2 3]	Total, in terms of fresh [4]
	Metric tons	*Metric tons*	*Metric tons*	*Metric tons*	*Metric tons*
2008	98,911	20,235	9,549	604	132,050
2009	103,038	16,914	11,701	662	135,329
2010	103,523	25,636	15,568	801	149,175
2011	95,798	28,295	17,605	884	146,609
2012	102,140	25,526	21,811	931	154,648
2013	80,241	20,847	20,144	859	126,004
2014	84,680	18,007	20,098	696	126,653
2015	77,769	10,689	18,698	364	109,179
2016	54,842	7,378	19,501	278	83,264
2017	63,998	9,450	20,395	150	94,676

[1] Canned peaches are 40 percent of total canned fruit for salad. [2] Net processed weight. [3] Dried peaches are 21 percent of total dried fruit for salad. [4] Dried fruit converted to unprocessed dry weight by dividing by 1.08. Unprocessed dry weight converted to terms of fresh fruit on the basis that 1 pound dried equals 6.0 pounds fresh. Canned peaches converted to terms of fresh on basis that 1 pound canned equals about 1 pound fresh.

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Table 5-52.—Peaches: Production and season average price, by State and United States, 2016–2018

State	Total production			Utilized production			Price per ton [1]		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	Tons	*Tons*	*Tons*	*Tons*	*Tons*	*Tons*	*Dollars*	*Dollars*	*Dollars*
Alabama [2]	3,300	1,500	(NA)	3,270	1,500	(NA)	1,390.00	2,750.00	(NA)
California	569,000	553,000	479,000	569,000	550,000	475,870	616.00	701.00	639.00
Clingstone	322,000	297,000	259,000	322,000	296,000	256,950	518.00	474.00	480.00
Freestone	247,000	256,000	220,000	247,000	254,000	218,920	743.00	966.00	826.00
Colorado	13,730	10,750	15,000	13,260	10,160	14,550	2,040.00	2,070.00	1,930.00
Georgia	43,300	10,000	26,000	39,500	9,600	23,400	1,070.00	1,820.00	1,020.00
Idaho [2]	7,770	5,220	(NA)	7,720	5,120	(NA)	900.00	1,290.00	(NA)
Illinois [2]	5,420	6,030	(NA)	5,370	5,880	(NA)	2,570.00	1,460.00	(NA)
Maryland [2]	2,550	4,060	(NA)	2,430	4,000	(NA)	1,280.00	1,320.00	(NA)
Michigan	11,000	9,600	12,000	10,900	9,500	11,940	885.00	1,140.00	1,060.00
Missouri [2]	2,570	2,230	(NA)	2,540	2,230	(NA)	1,740.00	2,340.00	(NA)
New Jersey	18,470	24,580	23,000	18,400	24,570	23,000	1,430.00	1,560.00	1,780.00
New York [2]	2,420	4,810	(NA)	2,410	4,720	(NA)	1,380.00	1,720.00	(NA)
North Carolina [2]	2,700	1,740	(NA)	2,700	1,740	(NA)	1,290.00	1,540.00	(NA)
Ohio [2]	1,570	4,730	(NA)	1,530	4,680	(NA)	1,750.00	1,720.00	(NA)
Pennsylvania	16,000	21,400	17,400	15,800	21,000	16,970	1,210.00	1,180.00	1,220.00
South Carolina	63,300	11,000	65,800	52,800	10,400	59,220	1,290.00	1,700.00	1,210.00
Texas [2]	4,400	2,700	(NA)	4,200	2,500	(NA)	2,200.00	2,500.00	(NA)
Utah [2]	5,160	3,400	(NA)	4,250	3,370	(NA)	1,640.00	1,460.00	(NA)
Virginia [2]	3,250	4,650	(NA)	3,250	3,950	(NA)	1,340.00	1,450.00	(NA)
Washington	12,530	12,770	13,300	12,400	12,700	13,070	1,090.00	963.00	696.00
West Virginia [2]	3,500	6,600	(NA)	3,500	6,600	(NA)	1,090.00	940.00	(NA)
United States	791,940	700,770	651,500	775,230	694,220	638,020	803.00	864.00	801.00

(NA) Not available. [1] Fresh fruit prices are equivalent packing house-door returns for California and Washington except equivalent returns for bulk fruit at the first delivery point for California Clingstone, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. [2] Estimates discontinued in 2018.
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Table 5-53.—Peaches: Production and utilization, by State and United States, crop of 2018

State	Total production	Utilized production [1]	Utilization	
			Fresh [2]	Processed (fresh basis)
	Tons			
California	479,000	475,870	134,000	341,870
Clingstone	259,000	256,950	-	256,950
Freestone	220,000	218,920	134,000	84,920
Colorado	15,000	14,550	(D)	(D)
Georgia	26,000	23,400	23,400	-
Michigan	12,000	11,940	(D)	(D)
New Jersey	23,000	23,000	(D)	(D)
Pennsylvania	17,400	16,970	13,940	3,030
South Carolina	65,800	59,220	(D)	(D)
Washington	13,300	13,070	(D)	(D)
Other States [3]	(NA)	(NA)	108,450	13,330
United States	651,500	638,020	279,790	358,230

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. [1] Difference between total and utilized production is harvested not sold and unharvested production. [2] Includes "Home use." [3] Includes data withheld above.
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Table 5-54.—Pears: Foreign trade, United States, 2008–2017

Year beginning October	Imports for consumption, fresh	Domestic exports				
		Fresh [1]	Canned	Dried, in fruit salad [1 2]	Canned, in fruit salad [3]	Total, in terms of fresh fruit [4]
	Metric tons	*Metric tons*	*Metric tons*	*Metric tons*	*Metric tons*	*Metric tons*
2008	82,097	146,252	7,378	479	8,356	165,011
2009	62,808	159,677	7,112	525	10,238	180,342
2010	77,992	154,025	7,958	635	13,622	179,615
2011	64,000	197,633	8,681	702	15,404	226,146
2012	79,034	186,855	7,535	739	19,084	218,137
2013	81,586	200,928	6,283	682	17,626	229,139
2014	89,741	174,774	4,425	553	17,586	200,271
2015	79,523	148,454	5,824	289	16,361	172,464
2016	74,356	123,098	7,473	220	17,064	149,025
2017	79,887	120,708	7,428	119	17,846	146,734

[1] Net processed weight. [2] Dried pears are 16⅔ percent of total dried fruit for salad. [3] Canned pears are 35 percent of total canned fruit for salad. [4] Dried converted to unprocessed dry weight by dividing by 1.03. Unprocessed dry weight converted to terms of fresh on the basis that 1 pound dried equals about 6.5 pounds fresh. Canned converted to terms of fresh on basis that 1 pound of canned equals about 1 pound fresh.

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Table 5-55.—Pears: Production and value, United States 2009–2018

Year	Total production	Utilized production	Marketing year average price [1]	Value
	Tons	*Tons*	*Dollars per ton*	*1,000 dollars*
2009	957,220	955,820	372.00	355,662
2010	813,600	813,400	476.00	386,955
2011	965,720	965,110	380.00	366,552
2012	851,240	851,130	509.00	432,988
2013	877,130	876,520	491.00	430,660
2014	831,610	831,250	562.00	467,194
2015	816,520	803,130	615.00	494,190
2016	738,770	735,870	660.00	485,763
2017	737,450	731,350	710.00	519,290
2018	805,500	800,260	536.00	428,940

[1] Fresh fruit prices are equivalent packinghouse-door returns for California, Oregon, and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level.

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Table 5-56.—Pears: Production and season average price per ton, by State and United States, 2016–2018

State and Variety	Total production			Utilized production			Price per ton [1]		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	Tons	*Tons*	*Tons*	*Tons*	*Tons*	*Tons*	*Dollars*	*Dollars*	*Dollars*
California	175,000	195,000	161,500	175,000	192,000	161,000	548.00	501.00	480.00
Bartlett [2]	141,000	162,000	(NA)	141,000	160,000	(NA)	500.00	420.00	(NA)
Other [2]	34,000	33,000	(NA)	34,000	32,000	(NA)	748.00	905.00	(NA)
Oregon	214,910	226,050	246,000	214,010	224,950	245,260	720.00	785.00	575.00
Bartlett [2]	53,660	53,850	(NA)	52,860	52,850	(NA)	635.00	776.00	(NA)
Other [2]	161,250	172,200	(NA)	161,150	172,100	(NA)	748.00	788.00	(NA)
Washington	348,860	316,400	398,000	346,860	314,400	394,000	680.00	784.00	535.00
Bartlett [2]	147,660	125,400	(NA)	146,660	124,400	(NA)	582.00	838.00	(NA)
Other [2]	201,200	191,000	(NA)	200,200	190,000	(NA)	752.00	748.00	(NA)
United States	738,770	737,450	805,500	735,870	731,350	800,260	660.00	710.00	536.00

(NA) Not available. [1] Fresh fruit prices are equivalent packinghouse-door returns for California, Oregon, and Washington, and the average price as sold for other States. Quantities processed are priced at the equivalent processing plant door level. [2] Estimates discontinued in 2018.

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Table 5-57.—Pears: Production and utilization, by State and United States, crop of 2018

State and variety	Total production	Utilized production	Utilization	
			Fresh [1]	Processed
	Tons			
California	161,500	161,000	54,100	106,900
Bartlett [2]	(NA)	(NA)	(NA)	(NA)
Other [2]	(NA)	(NA)	(NA)	(NA)
Oregon	246,000	245,260	209,100	36,160
Bartlett [2]	(NA)	(NA)	(NA)	(NA)
Other [2]	(NA)	(NA)	(NA)	(NA)
Washington	398,000	394,000	294,500	99,500
Bartlett [2]	(NA)	(NA)	(NA)	(NA)
Other [2]	(NA)	(NA)	(NA)	(NA)
United States [3]	805,500	800,260	557,700	242,560

(NA) Not available. [1] Includes ''Home use.'' [2] Estimates discontinued in 2018. [3] Mostly canned, but includes small quantities dried, juiced, and other uses.
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Table 5-58.—Pears: Production and utilization, United States, 2009–2018

Crop of—	Total production	Utilized production	Utilization of quantities sold—Fresh [1]
	Tons		
2009	957,220	955,820	603,800
2010	813,600	813,400	531,430
2011	965,720	965,110	643,710
2012	851,240	851,130	551,820
2013	877,130	876,520	584,730
2014	831,610	831,250	550,080
2015	816,520	803,130	514,780
2016	738,770	735,870	505,000
2017	737,450	731,350	486,150
2018	805,500	800,260	557,700

[1] Includes ''Home use.''
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Table 5-59.—Plums: Production, value, and utilization, California, 2009–2018

Season	Total production	Utilized production	Marketing year average price per ton	Value
	Tons	*Tons*	*Dollars*	*1,000 dollars*
2009	112,000	112,000	514	57,568
2010	142,000	142,000	555	78,810
2011	160,000	160,000	402	64,320
2012	115,000	115,000	695	79,940
2013	100,600	98,600	665	65,527
2014	104,000	104,000	912	94,842
2015	92,500	91,500	996	91,125
2016	108,800	107,800	811	87,460
2017	117,900	114,900	1,000	114,897
2018	100,000	99,000	935	92,570

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Table 5-60.—Prunes (dried basis): Production, price and value, California, 2009–2018

Season	Total production	Utilized production	Marketing year average price per ton	Value
	Tons	*Tons*	*Dollars*	*1,000 dollars*
2009	166,000	166,000	1,230.00	204,180
2010	130,000	130,000	1,350.00	175,500
2011	137,000	137,000	1,310.00	179,470
2012	138,000	138,000	1,330.00	183,540
2013	85,000	85,000	2,000.00	170,000
2014	108,000	108,000	2,470.00	266,760
2015	112,000	110,000	2,050.00	225,500
2016	54,000	54,000	2,180.00	117,720
2017	105,000	105,000	1,980.00	207,900
2018	90,200	90,200	2,160.00	194,832

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Table 5-61.—Prunes: Foreign trade, United States, 2009–2018

Year beginning October	Imports				Domestic exports			
	Fresh prunes and plums	Otherwise prepared or preserved	Dried prunes [1]	Total, in terms of fresh [2]	Fresh prunes and plums	Dried prunes [1]	Dried, in fruit salad [1 3]	Total, in terms of fresh [2]
	Metric tons							
2008	29,409	829	3,906	40,293	46,215	54,706	1,236	191,451
2009	27,226	805	620	29,559	47,213	65,070	1,355	219,664
2010	29,768	831	497	31,805	59,653	69,110	1,639	243,328
2011	24,105	822	565	26,311	56,788	67,529	1,810	236,801
2012	30,417	680	1,159	34,036	52,426	68,642	1,906	235,579
2013	13,625	821	6,844	32,129	41,741	48,498	1,759	172,216
2014	25,259	798	11,514	55,869	36,506	48,026	1,426	164,891
2015	26,533	985	19,183	77,221	29,660	38,342	746	131,139
2016	22,631	1,094	15,072	62,743	25,534	33,160	568	113,098
2017	22,432	1,038	9,643	48,400	31,023	33,962	307	127,779

[1] Net processed weight. [2] Exports and imports of dried prunes converted to unprocessed dry weight by dividing by 1.04. Unprocessed dry weight converted to terms of fresh fruit on the basis that 1 pound dried equals 2.7 pounds fresh. "Otherwise prepared or preserved" converted to terms of fresh fruit on the basis that 1 pound equals 0.899 pound fresh. [3] Dried prunes in salad estimated at 43 percent of total dried fruit for salad.

ERS, Crops Branch, (202) 694–5255.

Table 5-62.—Strawberries, commercial crop: Production and value per hundredweight, by State and United States, 2016–2018

Utilization, season, and State	Utilized Production			Value per unit		
	2016	2017	2018	2016	2017	2018
	1,000 cwt	*1,000 cwt*	*1,000 cwt*	*Dollars per cwt*	*Dollars per cwt*	*Dollars per cwt*
Fresh market:						
California	20,829.7	18,996.1	20,285.7	123.00	123.00	104.00
Florida	1,947.5	(D)	2,450.0	166.00	(D)	115.00
New York	50.4	(D)	(D)	235.00	(D)	(D)
North Carolina	132.0	126.0	125.0	187.00	168.00	171.00
Oregon	34.9	32.8	(D)	108.00	195.00	(D)
Washington	29.3	(D)	(D)	205.00	(D)	(D)
Other States[1]	-	2,217.1	58.1	(X)	143.00	211.00
United States	23,023.8	21,372.0	22,918.8	127.00	125.00	106.00
Processing:						
California	6,265.2	5,553.8	5,464.5	45.90	35.00	42.20
Florida	-	(D)	-	(X)	(D)	(X)
New York	-	(D)	(D)	(X)	(D)	(D)
North Carolina	-	2.7	-	(X)	51.90	(X)
Oregon	197.9	167.4	(D)	83.00	93.50	(D)
Washington	91.7	(D)	(D)	88.00	(D)	(D)
Other States[1]	-	78.8	167.6	(X)	69.10	88.30
United States	6,554.8	5,802.7	5,632.1	47.60	37.20	43.60

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (X) Not applicable. [1] Includes data withheld above.

NASS, Crops Branch, (202) 720–2127.

Table 5-63.—Strawberries, commercial crop: Area, yield, production, value per hundred weight, and total value, United States, 2009–2018

Year	Area for harvest	Yield per acre	Total production	Value [2]	
				Per cwt	Total
	Acres	*Cwt*	*1,000 cwt*	*Dollars per cwt*	*1,000 dollars*
2009 ...	58,080	482	28,013	76.00	2,129,585
2010 ...	56,890	501	28,520	79.30	2,260,733
2011 ...	57,250	507	29,016	82.40	2,391,406
2012 ...	58,310	523	30,520	80.40	2,453,039
2013 ...	60,410	504	30,470	85.60	2,609,038
2014 ...	59,895	505	30,237	93.30	2,821,854
2015 ...	58,010	528	30,655	73.00	2,239,301
2016 ...	53,760	550.7	29,606.9	110.00	3,243,711
2017 ...	53,200	511.4	27,208.0	107.00	2,895,813
2018 ...	49,220	580.6	28,577.9	93.50	2,670,523

Year	Fresh market [1]			Processing		
	Production	Value [2]		Production	Value [2]	
		Per cwt	Total		Per cwt	Total
	1,000 cwt	*Dollars per cwt*	*1,000 dollars*	*1,000 cwt*	*Dollars per cwt*	*1,000 dollars*
2009 ...	22,880	86.10	1,970,920	5,133	30.90	158,665
2010 ...	23,196	90.80	2,105,492	5,324	29.20	155,241
2011 ...	23,324	94.00	2,193,379	5,692	34.80	198,027
2012 ...	24,552	91.80	2,253,854	5,968	33.40	199,185
2013 ...	25,085	96.50	2,421,370	5,385	34.90	187,668
2014 ...	24,543	105.00	2,579,425	5,694	42.60	242,429
2015 ...	24,372	79.90	1,946,121	6,283	46.70	293,180
2016 ...	23,023.8	127.00	2,931,642	6,554.8	47.60	312,069
2017 ...	21,372.0	125.00	2,680,189	5,802.7	37.20	215,624
2018 ...	22,918.8	106.00	2,425,126	5,632.1	43.60	245,397

[1] Fresh market price and value at point of first sale. Processing price and value at processing plant door. [2] Mostly for fresh market, but includes some quantities used for processing in States for which processing estimates are not prepared.
NASS, Crops Branch, (202) 720–2127.

Table 5-64.—Strawberries, commercial crop: Area harvested, production, value per hundred weight, by State and United States, 2016–2018 [1]

Season and State	Area harvested			Total production			Value per unit		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	Acres			*1,000 cwt*			*Dollars per cwt*		
California	38,200	38,100	35,800	27,122.0	24,574.5	25,776.0	105.00	103.00	90.90
Florida	9,500	9,500	9,800	1,947.5	2,137.5	2,450.0	166.00	140.00	115.00
New York	1,260	1,200	700	50.4	46.8	30.8	235.00	229.00	204.00
North Carolina	1,100	1,000	1,000	132.0	135.0	125.0	187.00	166.00	171.00
Oregon	2,400	2,200	1,100	232.8	200.2	110.0	86.70	110.00	107.00
Washington ...	1,300	1,200	820	122.2	114.0	86.1	116.00	107.00	107.00
United States	53,760	53,200	49,220	29,606.9	27,208.0	28,577.9	110.00	107.00	93.50

(NA) Not available. [1] Includes quantities used for fresh market and processing.
NASS, Crops Branch, (202) 720–2127.

Table 5-65.—Fruits, noncitrus: Production, utilization, and value, United States, 2009–2018 [1]

Year	Utilized production	Fresh [2]	Processed						Value of utilized production
			Canned	Dried	Juice	Frozen	Wine	Other	
	1,000 tons	*1,000 tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*	*1,000 dollars*
2009	18,069	7,562	1,394	2,148	1,235	742	4,373	269	11,811,298
2010	17,879	7,458	1,386	2,318	1,103	706	4,270	298	12,367,607
2011	18,147	7,702	1,301	2,399	1,153	737	4,154	316	13,910,375
2012	17,635	7,443	1,100	2,091	1,213	707	4,707	374	15,611,441
2013	19,433	7,718	1,373	2,321	1,630	827	5,068	497	16,220,440
2014	19,151	8,267	1,208	2,194	1,617	857	4,526	483	16,410,049
2015	18,334	7,702	1,252	2,323	1,391	881	4,255	530	16,602,493
2016	18,690	8,042	1,234	1,858	1,519	890	4,668	479	17,865,364
2017	18,455	8,107	1,188	1,754	1,477	731	4,665	531	18,589,066
2018 [3]	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

[1] Includes the following crops: Apples, apricots, avocados, bananas, berries, cherries, cranberries, dates, figs, grapes, guavas, kiwifruit, nectarines, olives, papayas, peaches, pears, pineapples, plums, prunes, and strawberries. [2] Includes local and roadside sales. [2] Estimates discontinued.

NASS, Crops Branch, (202) 720–2127.

Table 5-66.—Fruits, fresh: Total reported domestic rail, truck, and air shipments, 2018

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.
Citrus:	*1,000 cwt*						
Grapefruit	812	599	448	609	417	407	308
Grapefruit-organic	19	19	20	27	27	27	18
Lemons	616	616	1,780	1,716	1,724	1,716	927
Lemons-organic	104	104	320	81	81	81	12
Oranges	5,794	5,558	5,614	4,328	4,310	3,358	659
Oranges-organic	111	111	111	56	56	56	51
Tangelos	385	354	346	38	38	38	.....
Tangelos-organic	5	5	5	.....	.....	.....	.....
Tangerines	2,174	2,155	2,144	806	806	806	.....
Tangerines-organic	25	25	25	9	9	9	.....
Temples	2	8	3	.....	.....	.....	.....
Total	10,047	9,554	10,816	7,670	7,468	6,498	1,975

Commodity	Aug.	Sep.	Oct.	Nov.	Dec.	Total
	1,000 cwt					
Grapefruit	309	309	291	614	814	5,937
Grapefruit-organic	18	18	15	18	15	241
Lemons	922	916	1,370	1,379	1,393	15,075
Lemons-organic	12	12	65	65	65	1,002
Oranges	621	637	2,649	2,957	3,074	39,559
Oranges-organic	51	51	78	78	78	888
Tangelos	.....	.....	3	5	18	1,225
Tangelos-organic	.....	.....	3	3	1	22
Tangerines	.....	3	96	98	139	9,227
Tangerines-organic	.....	.....	.....	.....	2	104
Temples	.....	.....	.....	.....	.....	13
Total	1,933	1,946	4,570	5,217	5,599	73,293

See footnote(s) at end of table.

Table 5-66.—Fruits, fresh: Total reported domestic rail, truck, and air shipments, 2018—Continued

Commodity	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.
Noncitrus:	*1,000 cwt*						
Apples	5,243	5,297	6,557	5,136	4,899	4,397	3,006
Apples-organic	571	558	702	543	482	348	166
Apricots	.....	.....	.....	.....	5	31	56
Apricots-organic	.....	.....	.....	.....	.....	2	7
Avocados	55	151	304	613	655	818	506
Blueberries	.....	1	14	201	295	517	468
Blueberries-organic	7	10	18	35	58	43	65
Cherries	.....	.....	.....	.....	.....	451	2,141
Cherries-organic	.....	.....	.....	.....	2	70	72
Cranberries	.....	.....	.....	.....	.....	.....	.....
Cranberries-organic	.....	.....	.....	.....	.....	.....	.....
Grapes	134	2	.....	.....	154	465	1,595
Grapes-organic	.....	.....	.....	.....	.....	.....	.....
Kiwifruit	90	94	105	44	.....	.....	.....
Kiwifruit-organic	.....	.....	.....	.....	.....	.....	.....
Nectarines	.....	.....	.....	.....	81	303	313
Peaches	.....	.....	.....	.....	203	655	868
Peaches-organic	.....	.....	.....	.....	.....	.....	5
Pears	773	697	763	546	441	387	248
Pears-organic	72	61	33	12	4	3	.....
Persimmons	.....	.....	.....	.....	.....	.....	.....
Plums	.....	.....	.....	.....	1	50	115
Pomegranates	.....	.....	.....	.....	.....	.....	.....
Prunes	.....	.....	.....	.....	.....	.....	1
Raspberries	27	20	15	21	71	151	189
Raspberries-organic	12	9	4	4	12	31	49
Strawberries	727	1,268	1,062	1,917	3,039	2,501	2,075
Strawberries-organic	30	44	37	97	300	286	278
Total	7,741	8,212	9,614	9,169	10,702	11,509	12,223

Commodity	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Noncitrus:	*1,000 cwt*					
Apples	3,546	5,151	4,626	4,775	5,509	58,142
Apples-organic	191	523	482	520	637	5,723
Apricots	4	.....	.....	.....	.....	96
Apricots-organic	.....	.....	.....	.....	.....	9
Avocados	359	330	166	41	22	4,020
Blueberries	238	81	.....	.....	.....	1,815
Blueberries-organic	35	18	2	.....	1	292
Cherries	2,795	496	6	.....	.....	5,889
Cherries-organic	7	.....	.....	.....	.....	151
Cranberries	.....	19	39	126	35	219
Cranberries-organic	.....	.....	1	1	.....	2
Grapes	3,440	3,680	3,745	3,152	1,595	17,959
Grapes-organic	2	.....	.....	.....	.....	2
Kiwifruit	.....	.....	27	66	79	505
Kiwifruit-organic	.....	.....	.....	9	.....	9
Nectarines	218	184	19	.....	.....	1,118
Peaches	835	769	351	32	.....	3,713
Peaches-organic	31	36	.....	.....	.....	72
Pears	508	874	972	1,035	1,263	8,507
Pears-organic	34	98	97	98	96	608
Persimmons	.....	.....	4	12	11	27
Plums	58	86	16	1	.....	327
Pomegranates	.....	7	189	144	44	384
Prunes	16	5	.....	.....	.....	22
Raspberries	155	155	117	51	24	996
Raspberries-organic	43	38	22	13	12	249
Strawberries	1,830	1,541	1,414	718	449	18,541
Strawberries-organic	272	221	154	68	33	1,820
Total	14,617	14,312	12,449	10,862	9,810	131,217

AMS, Fruit and Vegetable Programs, Market News Division, (202) 205–9690.

Table 5-67.—Fruits, dried: Production (dry basis), California, 2009–2018

Year	Apricots	Figs [1]	Peaches [2]	Prunes	Grapes [3]
			Tons		
2009	1,090	13,300	850	166,000	335,500
2010	1,400	12,320	2,010	130,000	394,800
2011	1,810	11,560	470	137,000	384,300
2012	1,210	10,400	1,230	138,000	345,900
2013	1,080	9,300	420	85,000	406,100
2014	1,500	9,470	610	108,000	366,200
2015	1,050	8,940	880	110,000	388,500
2016	1,280	9,260	(NA)	54,000	335,900
2017	(D)	9,100	(NA)	105,000	271,300
2018 [4]	(NA)	(NA)	(NA)	(NA)	(NA)

[1] Standard and substandard. [2] Freestone only. Discontinued in 2015. [3] Raisin and table type. [4] Estimates discontinued in 2018.

NASS, Crops Branch, (202) 720–2127.

Table 5-68.—International Raisins: Production in specified countries, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	Metric tons		
Turkey	310,000	306,000	280,000
United States	304,723	241,402	263,000
China	165,000	180,000	190,000
Iran	170,000	110,000	150,000
South Africa	62,300	70,500	73,000
Uzbekistan	71,000	65,000	70,000
Chile	53,700	57,000	60,000
Argentina	31,000	41,000	42,000
Afghanistan	26,000	36,500	38,000
Australia	18,000	20,000	20,000
Other	19,000	22,000	19,000

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 5-69.—Fruits: Per capita consumption, United States, 2008–2017 [1]

Year	Fruits used fresh		Canned fruits [4]	Juice [5]	Frozen fruit [6]	Dried fruits [7]
	Citrus fruit [2]	Noncitrus fruits [3]				
	Pounds	*Pounds*	*Pounds*	*Gallons*	*Pounds*	*Pounds*
2008	20.6	79.7	13.4	7.6	5.1	2.2
2009	20.7	77.4	13.6	7.1	5.1	2.1
2010	21.6	80.9	13.1	7.2	5.7	2.3
2011	22.8	82.3	12.1	6.1	5.3	2.4
2012	23.5	85.1	11.5	6.4	5.0	2.4
2013	23.9	87.6	12.9	6.2	5.3	2.5
2014	23.3	90.5	11.7	5.9	6.5	2.5
2015	22.7	89.6	12.3	5.8	6.5	2.5
2016	24.0	92.0	11.7	5.6	5.3	2.5
2017	23.8	93.7	11.4	5.4	6.1	2.2

[1] Fresh citrus fruits, canned fruit, and fruit juices are on a crop-year basis. Dried fruits are on a pack-year basis. The per capita consumption was obtained by dividing the total consumption by total population. [2] Oranges and temples, tangerines and tangelos, lemons, limes, and grapefruit. [3] Apples, apricots, avocados, bananas, cherries, cranberries, grapes, kiwifruit, mangoes, peaches and nectarines, pears, pineapples, papayas, plums and prunes, and strawberries. [4] Apples, apricots, cherries, olives, peaches, pears, pineapples, and plums and prunes. [5] Orange, grapefruit, lemon, lime, apple, grape, pineapple, prune, and cranberry. [6] Blackberries, blueberries, raspberries, strawberries, other berries, apples, apricots, cherries, and peaches. [7] Apples, apricots, dates, figs, peaches, pears, prunes, and raisins. Dried data in terms of processed weight.

ERS, Crops Branch, (202) 694–5255.

Table 5-70.—Fruit: Exports, 2016–2018

Country	2016	2017	2018
	Metric tons		
Fruit, processed:			
Canada	81,103	77,039	76,946
China	19,958	43,280	26,182
Netherlands	35,738	33,160	22,349
Mexico	20,691	26,442	22,223
Korea, South	7,398	7,926	7,454
Japan	7,271	6,168	6,450
Australia(*)	5,580	4,972	5,351
United Kingdom	3,376	4,538	4,670
Hong Kong	2,191	2,374	4,140
Poland	2,766	3,498	3,461
Taiwan	3,790	4,120	3,239
Germany(*)	1,302	1,314	2,591
India	2,158	2,629	2,579
Israel(*)	4,479	3,869	2,541
Indonesia	1,585	1,662	2,347
Malaysia	1,929	2,120	2,268
Switzerland(*)	682	230	2,265
Russia	1,186	1,661	2,071
Thailand	3,035	3,040	1,958
Vietnam	1,066	1,819	1,634
Singapore	1,323	1,954	1,525
New Zealand(*)	1,920	1,415	1,308
Colombia	1,110	1,073	1,244
Belgium-Luxembourg(*)	3,149	3,749	1,210
Philippines	1,283	1,383	1,157
Turkey	1,826	2,228	1,021
Panama	795	841	955
France(*)	415	1,825	848
Italy(*)	1,264	879	810
Greece	898	709	747
Rest of World	9,856	8,727	8,007
World Total	231,120	256,641	221,553
Fruit, prepared, misc:			
Canada	75,277	77,340	72,441
Mexico	8,079	10,638	9,679
Netherlands	507	347	8,569
China	7,497	5,832	3,862
Japan	3,347	2,634	3,023
Australia(*)	5,958	1,538	1,876
Korea, South	9,018	2,916	1,858
Hong Kong	3,784	6,258	1,382
Philippines	1,056	939	1,242
Saudi Arabia	5,999	1,248	1,218
Panama	981	1,081	1,005
Dominican Republic	863	555	1,000
Germany(*)	278	251	954
Malaysia	880	605	731
Taiwan	1,230	614	708
Bahamas, The	471	779	679
Thailand	1,230	671	674
Singapore	795	601	610
Turkey	113	36	583
United Arab Emirates	923	794	578
Trinidad and Tobago	567	301	568
Israel(*)	398	295	472
Costa Rica	548	660	465
United Kingdom	748	963	414
Netherlands Antilles(*)	534	238	370
Indonesia	643	250	360
Chile	793	626	333
Jordan	227	268	314
Vietnam	4,081	85	310
France(*)	540	1,415	302
Rest of World	9,417	6,068	3,885
World Total	146,780	126,845	120,463

(*) Denotes a country that is a summarization of its component countries. All zeroes for a data item may show that statistics exist in the other import type. Consumption or General. Users should use cautious interpretation on Quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.

FAS, Office of Global Analysis, (202) 720-6301. Data Source: Department of Commerce, U.S. Census Bureau, Foreign Trade Statistics.

Table 5-71.—International Fruits, fresh: Production in specified countries, 2016/2017-2018/2019

Country	Production		
	2016/2017	2017/2018	2018/2019
	Metric tons		
Apples:			
China	40,393,000	41,390,000	31,000,000
European Union	12,722,620	10,013,600	14,008,570
United States	5,010,201	5,084,727	5,048,000
Turkey	2,900,000	2,750,000	3,000,000
Iran	2,799,200	2,799,200	2,799,200
India	2,258,000	1,920,000	2,300,000
Russia	1,509,148	1,359,580	1,503,100
Chile	1,310,000	1,330,000	1,264,000
Ukraine	1,099,200	1,099,200	1,099,200
Brazil	1,049,300	1,049,300	1,049,300
South Africa	902,130	790,000	840,000
Japan	765,000	765,000	765,000
Mexico	716,930	714,149	660,000
Argentina	560,000	560,000	590,000
New Zealand	523,000	575,500	561,000
Belarus	509,300	509,300	509,300
Canada	408,404	345,568	395,300
Serbia	328,400	328,400	328,400
Australia	308,300	308,300	308,300
Azerbaijan	254,300	254,300	254,300
Kazakhstan	188,100	188,100	188,100
Kyrgyzstan	135,600	135,600	135,600
Uruguay	37,700	37,700	37,700
Guatemala	26,500	26,500	26,500
Norway	12,400	12,400	12,400
Colombia	2,300	2,300	2,300
Taiwan	1,483	1,451	1,500
Cherries, sweet and sour:			
European Union	734,199	607,288	793,058
Turkey	525,000	520,000	590,000
United States	455,806	508,087	443,633
China	330,000	380,000	340,000
Russia	276,500	276,500	276,500
Ukraine	219,800	219,800	219,800
Chile	116,000	206,741	210,000
Uzbekistan	150,000	150,000	150,000
Serbia	98,000	98,000	98,000
Syria	69,200	69,200	69,200
Azerbaijan	44,700	44,700	44,700
Belarus	42,800	42,800	42,800
Canada	20,400	20,400	20,400
Japan	19,800	19,100	18,500
Australia	10,000	16,000	18,000
Argentina	7,100	7,100	7,100
Kyrgyzstan	4,500	4,500	4,500
Peaches & nectarines:			
China	14,200,000	14,300,000	13,500,000
European Union	3,777,707	4,086,458	3,582,400
United States	858,850	768,295	734,000
Turkey	510,000	505,000	600,000
Argentina	248,100	248,100	248,100
Uzbekistan	220,000	226,000	226,000
Brazil	192,000	192,000	192,000
South Africa	180,000	180,000	180,000
Mexico	176,900	176,900	176,900
Chile	149,234	159,285	151,000
Japan	127,300	124,900	122,000
Australia	90,000	92,000	94,000
Russia	36,200	36,200	36,200
Canada	23,200	23,200	23,200
Taiwan	22,430	23,254	23,000
Ukraine	18,000	18,000	18,000
Kazakhstan	1,400	1,400	1,400
Switzerland	200	200	200

See footnote(s) at end of table.

Table 5-71.—International Fruits, fresh: Production in specified countries, 2016/2017-2018/2019—Continued

Country	Production		
	2016/2017	2017/2018	2018/2019
	Metric tons		
Pears, fresh:			
China	15,960,000	16,410,000	13,100,000
European Union	2,340,171	2,386,396	2,524,958
United States	667,570	663,470	666,605
Argentina	540,000	580,000	600,000
Turkey	440,000	420,000	450,000
South Africa	431,535	408,146	410,000
India	340,000	280,000	340,000
Japan	278,100	278,100	278,100
Chile	290,000	262,000	252,000
Korea, South	238,014	265,757	214,000
Russia	236,482	205,920	211,100
Taiwan	140,000	140,000	140,000
Australia	105,000	105,000	105,000
Switzerland	43,900	43,900	43,900
Belarus	30,800	30,800	30,800
Mexico	26,952	27,930	27,800
Brazil	14,900	14,900	14,900
New Zealand	11,876	13,812	12,000
Canada	8,285	9,676	8,700

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 5-72.—All tree nuts: Supply and utilization, United States, 2008/2009–2017/2018

Market year[1]	Beginning stocks	Marketable production[2]	Imports	Total supply	Exports	Ending stocks	Domestic consumption	
							Total	Per capita Pounds
	—Million pounds (shelled)—							
2008/2009	405.7	2,259.5	432.6	3,097.8	1,465.7	542.6	1,089.5	3.56
2009/2010	542.6	2,113.3	468.9	3,124.8	1,546.4	422.1	1,156.3	3.74
2010/2011	422.1	2,482.2	485.1	3,389.4	1,786.1	407.4	1,195.9	3.85
2011/2012	407.4	2,787.2	449.2	3,643.9	1,977.1	480.2	1,186.6	3.79
2012/2013	480.2	2,762.3	515.6	3,753.1	1,979.6	462.1	1,316.5	4.17
2013/2014	462.1	2,806.7	582.1	3,850.9	2,075.2	505.5	1,270.1	4.00
2014/2015	505.5	2,738.4	666.9	3,910.9	2,025.2	585.2	1,300.5	4.06
2015/2016	585.2	2,665.8	668.1	3,919.1	2,035.2	575.5	1,308.4	4.06
2016/2017	575.5	3,328.2	697.2	4,601.0	2,381.4	647.4	1,572.1	4.84
2017/2018	647.4	3,182.3	737.7	4,567.4	2,396.4	535.5	1,635.5	5.00

[1] Marketing season begins July 1 for hazelnuts and macadamias; August 1 for almonds and walnuts; September 1 for pistachios; and October 1 for pecans. [2] Utilized production (NASS data) minus inedibles and noncommercial useage.
ERS, Crops Branch, (202) 694–5255.

Table 5-73.—International Nuts: Production in specified countries, 2016/2017–2018/2019

Country	2016/2017	2017/2018	2018/2019
	Metric tons		
Almonds:			
United States	970,690	1,029,650	1,111,300
European Union	98,700	109,500	113,500
Australia	79,500	76,000	85,000
China	40,000	43,000	43,000
Turkey	14,000	15,000	16,000
Chile	7,600	7,500	7,500
India	4,500	4,000	4,500
Walnuts, Inshell basis:			
China	1,060,000	1,000,000	850,000
United States	622,329	571,527	625,958
European Union	116,670	121,000	130,000
Ukraine	108,000	108,500	127,000
Chile	119,000	97,500	120,000
Turkey	63,000	58,000	63,000
Moldova	31,000	33,400	35,000
India	32,000	32,500	34,000
Brazil	5,500	6,000	6,500
Australia	3,700	3,800	4,000

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 5-74.—Almonds (shelled basis): Bearing acreage, yield, production, price, and value, California, 2009–2018 [1]

Year	Bearing Acreage	Yield per acre [2]	Utilized production	Price per pound	Value
	Acres	*Pounds*	*1,000 pounds*	*Dollars*	*1,000 dollars*
2009	750,000	1,960	1,410,000	1.65	2,293,500
2010	770,000	2,220	1,640,000	1.79	2,903,380
2011	800,000	2,540	2,030,000	1.99	4,007,860
2012	820,000	2,310	1,890,000	2.58	4,816,860
2013	880,000	2,280	2,010,000	3.21	6,384,690
2014	930,000	2,010	1,870,000	4.00	7,388,000
2015	950,000	2,000	1,900,000	3.13	5,868,750
2016	970,000	2,210	2,140,000	2.39	5,052,460
2017	1,030,000	2,200	2,270,000	2.53	5,603,950
2018	1,090,000	2,090	2,280,000	2.44	5,468,040

[1] Price and value are based on edible portion of the crop only. Production includes inedible quantities of no value as follows (million pounds): 2009-20.0; 2010-18.0; 2011-16.0; 2012-23; 2013-21.0; 2014-23.0; 2015-25.0; 2016-26.0; 2017-55.0; 2018-39.0. [2] Yield is based on utilized production.
NASS, Crops Branch, (202) 720–2127.

Table 5-75.—Almonds (shelled basis): Foreign trade, United States, 2008–2017 [1]

Year beginning October	Imports	Domestic exports
	Metric tons	*Metric tons*
2008	796	439,759
2009	776	462,276
2010	2,391	527,228
2011	5,729	615,275
2012	15,653	579,553
2013	14,724	581,398
2014	10,026	546,116
2015	9,501	562,036
2016	7,638	640,143
2017	10,305	666,993

[1] Imports of unshelled nuts converted to shelled basis at ratio of 1.67 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 1.67 to 1.0.
ERS, Crops Branch, (202) 694–5255.

Table 5-76.—Hazelnuts (in-shell basis): Bearing acreage, yield, production, price, and value, Oregon, 2009–2018

Year	Bearing Acreage	Yield per acre	Utilized production	Price per ton	Value
	Acres	Tons	Tons	Dollars	*1,000 dollars*
2009	28,700	1.64	47,000	1,690	79,430
2010	29,000	1.00	28,000	2,410	67,480
2011	28,500	1.00	38,500	2,330	89,705
2012	29,000	1.22	35,500	1,830	64,965
2013	30,000	1.50	45,000	2,680	120,600
2014	30,000	1.20	36,000	3,600	129,600
2015	34,000	0.91	31,000	2,800	86,800
2016	37,000	1.19	44,000	2,700	118,800
2017	40,000	0.80	32,000	2,300	73,600
2018	44,000	1.16	51,000	1,620	91,800

NASS, Crops Branch, (202) 720–2127.

Table 5-77.—Hazelnuts (shelled basis): Foreign trade, United States, 2008–2017 [1]

Year beginning October	Imports	Domestic exports
	Metric tons	*Metric tons*
2008	2,969	9,715
2009	2,533	13,917
2010	4,417	7,691
2011	3,118	10,031
2012	5,392	11,243
2013	4,747	14,862
2014	1,761	20,309
2015	2,748	8,766
2016	3,333	11,628
2017	5,443	8,845

[1] Imports of unshelled nuts converted to shelled basis at ratio of 2.22 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1.
ERS, Crops Branch, (202) 694–5255.

Table 5-78.—Macadamia nuts (in-shell basis): Bearing acreage, yield, production, price, and value, Hawaii, 2009–2018

Year	Bearing Acreage	Yield per acre	Utilized production	Price per pound	Value
	Acres	Pounds	*1,000 pounds*	*Cents*	*1,000 dollars*
2009	15,000	2,800	42,000	70.0	29,400
2010	15,000	2,670	40,000	75.0	30,000
2011	15,000	3,270	49,000	78.0	38,220
2012	15,000	2,930	44,000	80.0	35,200
2013	16,000	2,560	41,000	87.0	35,670
2014	16,000	2,880	46,000	87.0	40,020
2015	16,000	2,940	47,000	97.0	45,590
2016	16,500	2,550	42,000	100.0	42,000
2017	17,000	2,880	49,000	110.0	53,900
2018	16,900	2,090	35,300	119.0	42,007

NASS, Crops Branch, (202) 720–2127.

Table 5-79.—Pecans (in-shell basis): Production, price per pound, and value, United States, 2009–2018

Year	Improved varieties [1]			Native and seedling			All pecans		
	Utilized production	Price per pound	Value	Utilized production	Price per pound	Value	Utilized production	Price per pound	Value
	1,000 pounds	*Dollars*	*1,000 dollars*	*1,000 pounds*	*Dollars*	*1,000 dollars*	*1,000 pounds*	*Dollars*	*1,000 dollars*
2009	249,720	1.530	381,550	52,300	0.934	48,838	302,020	1.430	430,388
2010	232,560	2.490	578,149	61,180	1.580	96,679	293,740	2.300	674,828
2011	227,030	2.590	587,064	42,670	1.610	68,825	269,700	2.430	655,889
2012	247,100	1.730	427,473	55,200	0.879	48,518	302,300	1.570	475,991
2013	220,000	1.900	417,758	46,330	0.920	42,632	266,330	1.730	460,390
2014	227,410	2.120	482,323	36,740	0.933	34,268	264,150	1.960	516,591
2015	225,180	2.310	520,529	29,110	1.360	39,687	254,290	2.200	560,216
2016	249,970	2.660	663,746	18,800	1.760	33,060	268,770	2.590	696,806
2017	278,600	2.400	667,858	26,250	1.580	41,360	304,850	2.330	709,218
2018	228,470	1.790	408,807	14,460	1.140	16,524	242,930	1.751	425,331

[1] Budded, grafted or topworked varieties.
NASS, Crops Branch, (202) 720–2127.

Table 5-80.—Pecans (in-shell basis): Production and marketing year average price per pound, by State and United States, 2016–2018

Item and State	Utilized production			Price per pound		
	2016	2017	2018	2016	2017	2018
Improved Varieties [1]	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*Dollars*	*Dollars*	*Dollars*
Alabama	1,900	1,600	1,490	2.130	2.030	1.500
Arizona	24,800	28,000	27,900	2.710	2.500	1.870
California	5,770	5,000	3,700	2.540	2.300	2.000
Georgia	109,000	107,000	70,000	2.500	2.400	1.620
Louisiana	1,500	3,000	2,510	1.950	2.000	1.250
New Mexico	72,000	92,000	91,100	2.960	2.400	1.900
Oklahoma	3,000	3,000	2,970	2.670	2.100	2.250
Texas	32,000	39,000	28,800	2.540	2.390	1.760
United States	249,970	278,600	228,470	2.66	2.400	1.790
Native and Seedling						
Alabama	300	250	110	1.400	1.520	1.119
Louisiana	2,500	5,000	3,520	1.300	1.250	0.800
Oklahoma	9,000	11,000	6,030	1.850	1.630	1.360
Texas	7,000	10,000	4,800	1.820	1.680	1.120
United States	18,800	26,250	14,460	1.760	1.580	1.140
All Pecans						
Alabama	2,200	1,850	1,600	2.030	1.960	1.480
Arizona	24,800	28,000	27,900	2.710	2.500	1.870
California	5,770	5,000	3,700	2.540	2.300	2.000
Georgia	109,000	107,000	70,000	2.500	2.400	1.620
Louisiana	4,000	8,000	6,030	1.540	1.530	0.990
New Mexico	72,000	92,000	91,100	2.960	2.400	1.900
Oklahoma	12,000	14,000	9,000	2.060	1.730	1.650
Texas	39,000	49,000	33,600	2.410	2.250	1.670
United States	268,770	304,850	242,930	2.590	2.330	1.751

[1] Budded, grafted or topworked varieties.
NASS, Crops Branch, (202) 720–2127.

Table 5-81.—Pecans (shelled basis): Foreign trade, United States, 2008–2017 [1]

Year beginning October	Imports	Domestic exports
	Metric tons	*Metric tons*
2008	26,831	22,037
2009	33,735	30,607
2010	35,906	25,531
2011	30,449	31,141
2012	33,525	37,873
2013	39,000	33,098
2014	43,736	40,727
2015	46,612	35,721
2016	52,830	42,987
2017	58,230	47,722

[1] Imports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1.
ERS, Crops Branch, (202) 694–5255.

Table 5-82.—Pistachios (in-shell basis): Bearing acreage, yield, production, price, and value, California, 2009–2018

Year	Bearing Acreage	Yield per acre	Utilized production	Price per pound	Value
	Acres	Pounds	1,000 pounds	*Dollars*	*1,000 dollars*
2009	126,000	2,820	355,000	1.67	592,850
2010	137,000	3,810	522,000	2.00	1,158,840
2011	153,000	2,900	444,000	2.00	879,120
2012	182,000	3,030	551,000	2.61	1,438,110
2013	203,000	2,320	470,000	3.48	1,635,600
2014	221,000	2,330	514,000	3.57	1,834,980
2015	233,000	1,160	270,000	3.29	888,300
2016	239,000	3,750	896,500	1.68	1,506,120
2017	250,000	2,400	600,300	1.69	1,014,507
2018	264,000	3,740	987,000	2.65	2,615,550

NASS, Crops Branch, (202) 720–2127.

Table 5-83.—Walnuts, English (in-shell basis): Bearing acreage, yield, production, price, and value, California, 2009–2018

Year	Bearing Acreage	Yield per acre [1]	Utilized production	Price per ton	Value
	Acres	*Tons*	*Tons*	*Dollars*	*1,000 dollars*
2009	240,000	1.82	437,000	1,710	747,270
2010	255,000	1.98	504,000	2,040	1,028,160
2011	265,000	1.74	461,000	2,900	1,336,900
2012	270,000	1.84	497,000	3,030	1,505,910
2013	280,000	1.76	492,000	3,710	1,825,320
2014	290,000	1.97	571,000	3,340	1,907,140
2015	300,000	2.02	606,000	1,670	1,012,020
2016	315,000	2.19	689,000	1,850	1,274,650
2017	335,000	1.88	630,000	2,490	1,568,700
2018	350,000	1.93	676,000	1,300	878,800

[1]Yield is based on utilized production.
NASS, Crops Branch, (202) 720–2127.

Table 5-84.—Walnuts (shelled basis): Foreign trade, United States, 2008–2017 [1]

Year beginning October	Imports	Domestic exports
	Metric tons	*Metric tons*
2008	837	96,313
2009	1,529	101,865
2010	186	133,868
2011	2,442	117,031
2012	3,957	133,049
2013	5,266	134,379
2014	9,780	158,186
2015	5,319	188,467
2016	6,495	191,362
2017	5,618	176,230

[1]Imports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1. Exports of unshelled nuts converted to shelled basis at ratio of 2.50 to 1.
ERS, Crops Branch, (202) 694–5255.

Table 5-85.—Coffee, green: International trade, 2016/2017-2018/2019

Country of origin	2016/2017	2017/2018	2018/2019
	1,000 60-Kg bags		
Principle exporting countries:			
Brazil	33,081	0,450	39,720
Vietnam	27,550	7,900	27,200
Colombia	13,755	2,725	13,400
Indonesia	8,174	,010	6,150
Honduras	7,175	,225	6,700
India	6,158	,148	5,540
Peru	4,025	,185	4,260
Ethiopia	3,853	,893	3,980
Uganda	4,600	,500	4,600
Mexico	2,865	,220	3,220
Guatemala	3,330	,465	3,405
Malaysia	2,940	,050	3,100
Nicaragua	2,450	,520	2,415
European Union	1,905	,130	2,400
China	1,829	,885	1,770
Cote d'Ivoire	990	,150	1,615
Switzerland	1,150	,225	1,300
Tanzania	1,030	,030	1,230
Costa Rica	1,120	,210	1,110
Principle importing countries:			
European Union	46,050	47,430	49,000
United States	26,480	24,790	26,600
Japan	8,030	7,720	8,500
Philippines	6,420	6,100	6,200
Canada	4,550	4,750	4,720
Russia	4,740	4,465	4,450
China	3,534	2,705	2,750
Korea South	2,725	2,645	2,700
Switzerland	2,600	2,750	2,700
Algeria	2,205	2,300	2,340
Australia	1,730	1,875	1,875
Malaysia	1,510	1,550	1,800
Mexico	1,565	1,545	1,670
India	1,386	1,472	1,341
Ukraine	960	1,095	1,280
Morocco	660	825	1,020
Indonesia	743	1,751	1,676
Vietnam	1,000	1,060	1,160
Turkey	960	875	1,080
Argentina	754	775	780

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments. Data Source: Department of Commerce, U.S. Census Bureau, Foreign Trade Statistics.

Table 5-86.—Coffee: Area, yield, production, marketing year average price, and value, Hawaii, 2009/2010–2018/2019 [1]

Year	Area Harvested	Yield per acre	Utilized production	Price per pound	Value
	Acres	*Pounds*	*1,000 pounds*	*Dollars*	*1,000 dollars*
2009/2010	7,200	1,210	8,700	3.60	31,320
2010/2011	7,500	1,170	8,800	3.25	33,440
2011/2012	7,700	990	7,600	4.15	31,540
2012/2013	7,900	890	7,000	5.90	41,300
2013/2014	8,200	1,020	8,400	6.20	52,080
2014/2015	7,800	4,720	36,408	1.72	62,622
2015/2016	6,900	4,600	30,137	1.55	46,712
2016/2017	7,000	4,180	28,571	1.71	48,856
2017/2018	7,200	3,530	24,592	1.78	43,774
2018/2019	7,100	3,845	26,400	1.90	50,160

[1] For 2009/2010 season thru 2013/2014 season, all data in a parchment basis. Beginning with the 2014/2015 season, all data is for a cherry basis.

NASS, Crops Branch, (202) 720–2127.

Table 5-87.—Coffee and tea: U.S. Imports, Area/Partners of Origin, 2016-2018

Country	2016	2017	2018
	Metric tons		
Coffee and coffee products:			
Brazil	402,269	373,064	380,798
Colombia	315,207	346,040	342,045
Vietnam	269,684	237,187	213,499
Guatemala	60,673	76,914	82,787
Mexico	61,805	78,279	81,945
Nicaragua	70,810	80,083	72,856
Honduras	75,342	85,389	67,616
Peru	66,706	63,870	63,111
Indonesia	72,715	74,798	58,141
Canada	49,838	50,635	50,900
Costa Rica	38,862	29,520	36,201
Germany(*)	38,594	37,016	36,043
Ethiopia(*)	17,497	26,350	25,472
Uganda	8,954	12,075	15,003
El Salvador	13,027	16,362	14,869
Papua New Guinea	14,317	11,721	13,332
Italy(*)	10,563	11,512	11,671
China	10,618	10,830	9,008
Switzerland(*)	6,565	6,599	8,044
Kenya	6,435	9,012	6,685
Rwanda	4,220	4,197	5,742
Tanzania	4,740	4,968	5,600
India	4,150	5,962	5,154
Venezuela	0	0	4,274
Spain	1,487	1,709	2,735
Belgium-Luxembourg(*)	1,373	984	1,904
Malaysia	1,498	1,584	1,612
Korea, South	1,466	1,306	1,582
Burundi	1,430	1,314	1,580
Rest of World	19,287	15,791	12,824
World Total	1,650,131	1,675,071	1,633,032
Tea, including herbal tea:			
Argentina	54,061	52,918	49,990
Canada	54,586	53,532	48,994
China	23,762	20,612	21,186
India	17,265	16,859	14,610
Vietnam	6,096	6,897	6,602
Sri Lanka	5,635	5,458	6,149
Malawi	9,224	7,458	5,671
Germany(*)	6,582	4,517	4,939
Nigeria	833	1,490	4,668
Indonesia	4,084	3,639	3,358
Kenya	5,630	5,779	3,133
Mexico	3,892	3,616	3,094
Zimbabwe	1,498	1,867	2,439
Taiwan	1,631	1,800	2,233
Japan	1,975	1,878	1,990
Chile	2,326	2,101	1,816
Thailand	1,116	1,299	1,588
United Kingdom	1,335	1,059	1,299
Brazil	1,233	929	734
Korea, South	747	433	716
Egypt	580	565	686
Pakistan	534	590	674
Poland	583	474	627
Ecuador	574	620	584
Hong Kong	450	610	523
South Africa	293	344	471
Ireland	336	297	336
Bulgaria	260	211	300
Morocco	334	182	295
Rest of World	4,363	4,053	3,473
World Total	211,814	202,089	193,178

(*) Denotes a country that is a summarization of its component countries. All zeroes for a data item may show that statistics exist in the other import type. Consumption or General. Users should use cautious interpretation on Quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.

FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 5-88.—Specialty mushrooms: Number of growers, total production, volume of sales, price per pound, and value of sales, United States: 2016/2017-2018/2019

Year and variety	Growers [1]	Total Production [2]	All sales		
			Volume of sales [3]	Price per pound [4]	Value of sales
	Number	*1,000 pounds*	*1,000 pounds*	*Dollars*	*1,000 dollars*
2016/2017					
Shiitake	185	11,025	10,806	3.91	42,301
Oyster	128	11,394	11,087	3.12	34,542
Other	59	5,223	4,869	5.43	26,463
United States	232	27,652	26,762	3.86	103,306
2017/2018					
Shiitake	185	10,429	10,112	4.44	44,883
Oyster	116	11,268	10,842	3.13	33,890
Other	64	5,690	5,050	5.33	26,923
United States	229	27,387	26,004	4.06	105,696
2018/2019 [5]					
Shiitake	(NA)	6,987	6,727	3.21	21,563
Oyster	(NA)	9,164	8,847	3.09	27,314
Other	(NA)	3,968	3,904	4.59	17,922
United States	(NA)	20,119	19,478	3.43	66,799

[1] Growers counted only once for United States total if growing more than one specialty type mushroom. Growers growing Agaricus and specialty mushrooms are included. Estimates discontinued in 2018-2019. [2] Total production includes all fresh market and processing sales plus amount harvested but not sold (shrinkage, cullage, dumped, etc.). [3] Virtually all specialty mushroom sales are for fresh market. [4] Prices for mushrooms are the average prices producers receive at the point of first sale, commonly referred to as the average price as sold. For example, if in a given State, part of the fresh mushrooms are sold F.O.B. packed by growers, part are sold bulk to brokers or repackers, and some are sold retail at roadside stands, the mushroom average price as sold is a weighted average of the average price for each method of sale. [5] Beginning in 2018-2019, includes California, Florida, Illinois, Maryland, Oklahoma, Pennsylvania, Tennessee, and Texas.

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Table 5-89.—Agaricus mushrooms: Area, volume of sales, marketing year average price, and value of sales, United States: 2009-2018 [1]

Year	Area in production Total fillings	Volume of sales	Price per pound	Value of sales		
				Total	Fresh market	Processing
	1,000 sq. ft.	*1,000 pounds*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
2009/2010	129,268	777,064	1.140	884,390	821,472	62,918
2010/2011	134,266	845,951	1.140	964,192	887,839	76,353
2011/2012	139,331	881,857	1.180	1,039,159	969,847	69,312
2012/2013	139,846	869,625	1.190	1,038,541	969,278	69,263
2013/2014	134,685	882,075	1.190	1,049,972	971,521	78,451
2014/2015	143,292	907,191	1.230	1,118,371	1,054,652	63,719
2015/2016	142,147	919,012	1.200	1,098,745	1,035,106	63,639
2016/2017	143,497	906,593	1.240	1,122,821	1,060,281	62,540
2017/2018	140,563	891,231	1.270	1,127,886	1,070,316	57,570
2018/2019 [2]	119,701	827,013	1.290	1,064,765	1,020,440	44,325

[1] Marketing year begins July 1 and ends June 30 the following year. [2] Beginning in 2018-2019, includes California, Florida, Illinois, Maryland, Oklahoma, Pennsylvania, Tennessee, and Texas.

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Table 5-90.—Cut flowers: Sales and wholesale value for operations with $100,000+ sales, Surveyed States, 2007–2018

Year	Quantity sold	Wholesale price	Value of sales at wholesale [1]	Quantity sold	Wholesale price	Value of sales at wholesale [1]	Quantity sold	Wholesale price	Value of sales at wholesale [1]
	Alstromeria			Carnations, standard			Chrysanthemums pompon		
	1,000 stems	*Cents* per stem	*1,000* dollars	*1,000* stems	*Cents* per stem	*1,000* dollars	*1,000* bunches	*Cents* per bunch	*1,000* dollars
2007 ...	9,879	20.8	2,057	3,328	18.8	626	18,059	0.76	13,810
2008 ...	10,774	17.9	1,927	3,343	17.0	567	10,058	1.34	13,428
2009 ...	8,800	18.5	1,629	2,837	16.9	480	7,920	1.43	11,298
2010 ...	9,868	16.7	1,650	1,893	16.7	317	8,347	1.40	11,705
2011 ...	8,764	19.1	1,676	1,441	16.2	233	7,823	1.41	11,048
2012 ...	10,964	21.0	2,307	715	23.4	167	9,167	1.43	13,115
2013 ...	10,164	20.7	2,104	624	24.5	153	9,009	1.53	13,816
2014 ...	8,890	19.1	1,702	797	30.6	244	6,677	1.73	11,518
2015 ...	7,747	19.6	1,517	896	30.5	273	7,777	1.48	11,524
2018 ...	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	6,880	1.52	10,459
	Delphinium & Larkspur			Gerbera Daisies			Gladioli		
	1,000 stems	*Cents* per stem	*1,000* dollars	*1,000* stems	*Cents* per stem	*1,000* dollars	*1,000* spikes	*Cents* per spike	*1,000* dollars
2007 ...	32,158	24.4	7,842	117,403	30.6	35,939	85,471	27.0	23,081
2008 ...	31,221	24.0	7,505	120,836	29.8	35,976	76,850	25.9	19,935
2009 ...	22,373	27.1	6,071	106,805	30.9	33,027	94,951	24.1	22,880
2010 ...	27,173	26.5	7,193	107,678	30.4	32,737	89,672	25.4	22,801
2011 ...	19,639	30.5	5,981	113,655	28.5	32,385	60,167	27.1	16,299
2012 ...	19,448	37.4	7,265	107,899	30.6	33,067	60,747	25.3	15,349
2013 ...	16,929	38.6	6,542	98,535	31.0	30,552	59,435	34.1	20,244
2014 ...	17,091	35.3	6,030	105,028	31.4	32,987	61,724	32.7	20,193
2015 ...	12,671	41.0	5,199	106,680	30.4	32,423	60,778	32.3	19,608
2018 ...	(NA)	(NA)	(NA)	90,999	35.1	31,930	61,647	32.7	20,175
	Iris			Lilies, all			Lisianthus		
	1,000 stems	*Cents* per stem	*1,000* dollars	*1,000* stems	*Cents* per stem	*1,000* dollars	*1,000* stems	*Cents* per stem	*1,000* dollars
2007 ...	90,890	22.4	20,349	111,185	67.4	74,954	13,956	38.2	5,338
2008 ...	92,404	22.1	20,462	116,797	67.3	78,609	15,180	35.6	5,406
2009 ...	64,114	24.3	15,550	101,339	63.5	64,392	8,689	38.3	3,327
2010 ...	57,576	25.2	14,518	93,373	65.5	61,165	7,650	38.8	2,966
2011 ...	62,414	26.1	16,303	141,337	56.5	79,798	7,502	42.1	3,160
2012 ...	55,025	24.5	13,477	99,743	66.7	66,553	9,846	43.1	4,240
2013 ...	54,635	24.4	13,356	87,094	68.4	59,558	9,216	45.2	4,167
2014 ...	45,682	26.4	12,078	79,432	77.6	61,661	8,484	45.2	3,839
2015 ...	43,787	26.4	11,554	82,551	75.4	62,235	9,010	45.0	4,055
2018 ...	36,466	27.7	10,107	72,435	102.6	74,321	(NA)	(NA)	(NA)
	Orchids, all			Roses, all			Snapdragons		
	1,000 blooms	*Cents* per bloom	*1,000* dollars	*1,000* stems	*Cents* per stem	*1,000* dollars	*1,000* spikes	*Cents* per spike	*1,000* dollars
2007 ...	11,209	99.5	11,150	67,701	41.5	28,110	41,887	29.1	12,202
2008 ...	7,882	98.2	7,737	57,999	38.8	22,481	42,696	27.6	11,790
2009 ...	7,637	185.1	14,133	42,031	42.0	17,662	37,473	27.0	10,118
2010 ...	7,852	99.8	7,834	39,497	42.9	16,950	31,475	27.1	8,524
2011 ...	7,166	83.0	5,949	37,004	48.4	17,912	34,777	25.1	8,744
2012 ...	6,498	90.9	5,909	32,736	49.4	16,184	35,061	29.7	10,396
2013 ...	5,846	163.6	9,564	28,626	56.3	16,105	42,013	25.4	10,652
2014 ...	6,737	245.6	16,546	30,555	56.2	17,178	41,467	24.8	10,274
2015 ...	4,682	170.5	7,983	27,812	61.3	17,039	43,863	29.5	12,933
2018 ...	3,628	169.4	6,146	29,774	64.4	19,168	28,218	26.1	7,368

	Tulips			Other cut flowers
	1,000 stems	*Cents per stem*	*1,000 dollars*	*1,000 dollars*
2007 ...	157,992	35.9	56,719	133,017
2008 ...	170,854	37.6	64,285	126,990
2009 ...	150,228	38.1	57,185	103,687
2010 ...	155,667	36.6	56,900	129,466
2011 ...	169,219	35.3	59,788	99,824
2012 ...	161,802	37.2	60,172	171,159
2013 ...	161,926	36.8	59,535	116,509
2014 ...	160,990	35.5	57,198	112,006
2015 ...	167,378	34.6	57,840	130,135
2018 ...	173,247	38.4	66,489	112,778

[1] Equivalent wholesale value of all sales.
NASS, Crops Branch, (202) 720–2127.

Table 5-91.—Cut Cultivated Greens: Sales and wholesale value for operations with $100,000+ sales, Surveyed States, 2007–2018

Year	Leatherleaf Ferns			Other cut cultivated greens
	Quantity sold	Wholesale price	Value of sales at wholesale [1]	Value of sales at wholesale [1]
	1,000 bunches	*Dollars per bunch*	*1,000 dollars*	*1,000 dollars*
2007	39,437	1.00	39,543	58,527
2008	34,761	0.98	33,924	57,824
2009	31,800	0.94	29,942	43,993
2010	28,474	1.03	29,312	47,713
2011	26,277	0.97	25,499	46,537
2012	32,063	0.99	31,706	43,811
2013	32,209	1.02	32,779	42,706
2014	32,385	0.99	32,209	40,974
2015	33,319	1.02	33,853	46,573
2018	29,650	1.35	40,115	61,882

[1] Equivalent wholesale value of all sales.
NASS, Crops Branch, (202) 720–2127.

Table 5-92.—Foliage Plants for Indoor or Patio Use: Sales and Wholesale value for operations with $100,000+ sales, Surveyed States, 2007–2018

Year	Foliage, Hanging Baskets			Foliage, Pots
	Quantity Sold	Wholesale price	Value of sales at wholesale	Value of sales at wholesale
	1,000 baskets	*Dollars per basket*	*1,000 dollars*	*1,000 dollars*
2007	14,118	4.66	65,857	589,545
2008	11,003	4.90	53,949	456,362
2009	12,072	5.29	63,881	493,148
2010	14,530	5.39	78,247	507,882
2011	14,483	5.42	78,438	534,943
2012	10,323	6.12	63,158	576,778
2013	11,493	5.92	67,996	544,562
2014	10,199	6.19	63,103	559,779
2015	11,556	5.85	67,562	646,127
2018	13,071	6.26	81,785	571,294

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Table 5-93.— Potted Flowering Plants for Indoor or Patio Use: Sales and wholesale value for operations with $100,000+ sales, Surveyed States, 2007–2018

Year	Quantity sold		Wholesale price		Value of sales at wholesale [1]
	Less than 5 inches	5 inches or more	Less than 5 inches	5 inches or more	
	African violets [2]				
	1,000 pots	*1,000 pots*	*Dollars per pot*	*Dollars*	*1,000 dollars*
2007	4,357	430	1.37	1.95	6,809
2008	2,946	9	1.35	3.34	3,993
2009	2,313	38	1.49	3.48	3,580
2010	2,727	23	1.31	1.88	3,614
2011	2,582	51	1.25	3.84	3,414
2012	2,632	27	1.55	2.38	4,150
2013	2,572	33	1.47	2.53	3,870
2014	2,595	9	1.55	4.13	4,063
2015	2,641	8	1.56	3.85	4,161
2018	(NA)	(NA)	(NA)	(NA)	(NA)
	Florist azaleas [2]				
	1,000 pots	*1,000 pots*	*Dollars per pot*	*Dollars per pot*	*1,000 dollars*
2007	1,514	5,081	2.34	4.90	28,435
2008	1,095	7,188	2.24	4.65	35,897
2009	2,345	5,214	2.30	4.92	31,044
2010	1,348	3,289	2.59	5.67	22,138
2011	1,266	3,012	2.32	6.01	21,022
2012	1,129	3,544	2.68	5.28	21,734
2013	1,109	3,313	2.48	5.05	19,471
2014	22	4,063	4.25	4.65	18,977
2015	103	3,587	5.26	4.96	18,343
2018	(NA)	(NA)	(NA)	(NA)	(NA)
	Florist chrysanthemums				
	1,000 pots	*1,000 pots*	*Dollars per pot*	*Dollars*	*1,000 dollars*
2007	1,810	11,363	1.65	3.15	38,777
2008	1,927	9,902	1.57	3.21	34,762
2009	1,314	6,181	1.90	3.61	24,842
2010	2,225	4,526	1.82	3.97	22,029
2011	1,351	5,210	2.43	3.54	21,720
2012	1,654	4,400	2.00	4.14	21,535
2013	613	5,343	2.82	3.99	23,045
2014	1,239	4,673	3.02	3.96	22,238
2015	457	4,119	2.02	3.83	16,699
2018	2,185	5,495	1.84	4.55	28,999
	Easter lilies				
	1,000 pots	*1,000 pots*	*Dollars per pot*	*Dollars per pot*	*1,000 dollars*
2007	.....	6,546	.....	4.05	26,512
2008	31	5,824	4.05	4.33	25,335
2009	93	6,196	3.16	4.38	27,405
2010	147	5,891	3.29	4.29	25,764
2011	99	5,094	2.73	4.35	22,436
2012	37	5,011	3.48	4.36	21,958
2013	295	5,901	2.80	4.23	25,758
2014	785	5,099	3.90	4.59	26,460
2015	155	5,370	2.54	4.45	24,317
2018	1,098	4,935	4.58	4.54	27,453
	Potted Orchids				
	1,000 pots	*1,000 pots*	*Dollars per pot*	*Dollars per pot*	*1,000 dollars*
2007	10,661	6,655	6.95	9.89	139,960
2008	10,689	5,415	7.16	9.23	126,509
2009	12,503	7,135	7.36	9.70	161,208
2010	13,395	7,933	7.10	9.71	172,196
2011	15,415	8,520	6.78	10.19	191,306
2012	15,915	12,389	7.01	9.62	230,695
2013	18,934	12,750	7.34	8.83	251,559
2014	19,085	14,474	7.65	8.80	273,481
2015	19,393	16,983	7.25	8.70	288,284
2018	20,546	14,142	7.59	9.71	293,399

See footnote(s) at end of table.

Table 5-93.—Potted flowering for indoor or patio use: Sales and wholesale value for operations with $100,000+ sales, Surveyed States, 2007–2018—Continued

Year	Quantity sold		Wholesale price		Value of sales at wholesale [1]
	Less than 5 inches	5 inches or more	Less than 5 inches	5 inches or more	
	Poinsettias				
	1,000 pots	*1,000 pots*	*Dollars per pot*	*Dollars per pot*	*1,000 dollars*
2007	7,130	31,901	2.07	4.60	161,409
2008	6,373	28,922	2.07	4.82	152,611
2009	6,679	28,649	2.13	4.69	148,579
2010	7,710	26,942	2.02	4.65	140,841
2011	7,470	27,259	1.84	4.60	139,274
2012	6,620	27,301	2.12	4.77	144,309
2013	6,610	26,797	2.06	4.82	142,805
2014	6,338	27,263	2.15	4.77	143,715
2015	6,509	25,459	2.14	4.94	139,710
2018	8,479	25,720	2.22	5.05	148,760
	Potted florist roses				
	1,000 pots	*1,000 pots*	*Dollars per pot*	*Dollars*	*1,000 dollars*
2007	6,834	2,364	1.94	5.16	25,425
2008	7,252	1,064	2.74	5.34	25,569
2009	6,924	1,031	2.57	5.14	23,115
2010	5,599	2,167	2.50	5.83	26,669
2011	5,183	2,550	2.16	4.87	23,619
2012	5,729	2,828	2.18	5.74	28,741
2013	5,976	2,750	2.40	6.14	31,214
2014	7,751	934	3.26	6.41	31,282
2015	6,341	1,784	2.42	5.25	24,696
2018	8,353	2,478	1.91	4.88	28,069
	Potted spring flowering bulbs				
	1,000 pots	*1,000 pots*	*Dollars per pot*	*Dollars*	*1,000 dollars*
2007	10,073	8,624	1.91	3.66	50,861
2008	13,317	10,958	1.69	3.56	61,532
2009	4,689	11,234	1.74	3.43	46,662
2010	9,766	12,382	1.46	3.52	57,903
2011	8,162	11,637	1.52	3.54	53,638
2012	5,095	11,434	1.74	3.63	50,376
2013	4,623	11,013	1.96	3.77	50,614
2014	5,018	10,791	1.78	3.86	50,561
2015	5,548	16,865	2.19	3.38	69,115
2018	6,347	16,502	2.42	3.27	69,376
	Other flowering				
	1,000 pots	*1,000 pots*	*Dollars per pot*	*Dollars per pot*	*1,000 dollars*
2007	27,176	36,862	2.09	4.51	223,111
2008	22,529	31,482	2.10	4.91	201,962
2009	19,531	29,173	2.13	4.62	176,570
2010	17,162	25,695	2.71	5.00	175,006
2011	24,663	21,896	1.88	5.36	163,903
2012	22,670	25,625	2.57	5.99	211,766
2013	24,868	26,835	2.67	5.87	223,931
2014	25,569	32,190	2.70	5.29	239,162
2015	23,575	29,889	1.93	5.99	224,335
2018	31,310	40,991	2.48	4.95	280,698

[1] Equivalent wholesale value of all sales except for potted foliage which is value of sales less cost of plant material purchased from other growers for growing on. [2] Estimates discontinued in 2018.
NASS, Crops Branch, (202) 720–2127.

Table 5-94.—Annual Bedding and Garden Hanging Baskets: Sales and wholesale value for operations with $100,000+ sales, Surveyed States, 2007–2018

Year	Quantity sold	Wholesale price	Value of sales at wholesale [1]	Quantity sold	Wholesale price	Value of sales at wholesale [1]
	Begonias			Geraniums from vegetative cuttings		
	1,000 baskets	*Dollars*	*1,000 dollars*	*1,000 baskets*	*Dollars*	*1,000 dollars*
2007	1,701	5.76	9,796	3,296	6.87	22,640
2008	1,707	5.80	9,899	3,056	7.32	22,366
2009	1,531	5.84	8,944	3,564	7.44	26,523
2010	1,650	5.96	9,839	3,753	7.10	26,659
2011	1,622	5.99	9,723	3,561	7.13	25,390
2012	1,823	5.94	10,830	3,280	7.49	24,562
2013	2,016	6.33	12,770	3,126	7.39	23,113
2014	1,849	6.00	11,089	3,320	7.56	25,089
2015	1,960	6.25	12,250	3,310	7.43	24,586
2018	1,954	7.38	14,424	4,005	7.63	30,561
	Geraniums from seeds [2]			Impatiens, Other		
	1,000 baskets	*Dollars*	*1,000 dollars*	*1,000 baskets*	*Dollars*	*1,000 dollars*
2007	316	5.63	1,778	2,597	5.22	13,548
2008	267	6.05	1,616	2,375	5.29	12,561
2009	455	5.95	2,708	2,098	5.79	12,146
2010	286	7.01	2,005	2,534	5.63	14,260
2011	337	6.61	2,227	2,385	5.72	13,639
2012	475	6.56	3,115	2,479	5.44	13,494
2013	415	7.28	3,020	2,065	5.33	11,015
2014	460	7.46	3,432	2,021	5.32	10,750
2015	438	7.39	3,237	2,098	5.45	11,432
2018	(NA)	(NA)	(NA)	2,124	5.44	11,560
	New Guinea Impatiens			Marigolds		
	1,000 baskets	*Dollars*	*1,000 dollars*	*1,000 baskets*	*Dollars*	*1,000 dollars*
2007	2,987	6.96	20,797	184	6.08	1,118
2008	2,668	7.23	19,280	202	6.30	1,272
2009	2,556	7.09	18,122	55	6.33	348
2010	2,615	7.11	18,581	83	6.01	499
2011	2,456	7.14	17,526	77	5.77	444
2012	2,380	7.32	17,420	87	4.92	428
2013	2,254	7.37	16,613	117	4.38	513
2014	2,294	7.31	16,764	137	5.88	805
2015	2,388	7.39	17,637	139	5.99	833
2018	2,123	7.51	15,936	192	5.10	979
	Pansies/Violas			Petunias		
	1,000 baskets	*Dollars*	*1,000 dollars*	*1,000 baskets*	*Dollars*	*1,000 dollars*
2007	694	5.02	3,485	4,011	5.99	24,017
2008	695	5.20	3,612	3,969	5.98	23,752
2009	1,077	5.43	5,848	4,186	6.38	26,711
2010	911	5.59	5,091	5,066	6.16	31,225
2011	941	5.83	5,483	5,047	6.29	31,767
2012	1,096	5.75	6,299	5,028	6.21	31,240
2013	1,085	5.62	6,096	4,986	6.11	30,459
2014	1,182	5.92	7,002	5,557	6.28	34,906
2015	1,111	6.23	6,920	5,294	6.27	33,196
2018	1,077	6.51	7,006	6,154	5.97	36,712
	Other flowering hanging baskets and foliar					
	1,000 baskets		*Dollars*		*1,000 dollars*	
2007	15,153		6.95		105,330	
2008	14,718		6.92		101,856	
2009	14,451		7.36		106,323	
2010	13,483		7.67		103,399	
2011	12,759		7.56		96,500	
2012	14,865		7.33		109,030	
2013	14,797		7.73		114,409	
2014	13,259		8.23		109,117	
2015	15,269		7.67		117,065	
2018	15,269		8.20		124,587	

[1] Equivalent wholesale value of all sales. [2] Estimates discontinued in 2018.
NASS, Crops Branch, (202) 720–2127.

Table 5-95.—Annual bedding garden plants flats: Sales and wholesale value for operations with $100,000+ sales, Surveyed States, 2007–2018

Year	Quantity sold	Wholesale price	Value of sales at wholesale [1]	Quantity sold	Wholesale price	Value of sales at wholesale [1]
	Begonias			Geraniums from vegetative cuttings		
	1,000 flats	*Dollars*	*1,000 dollars*	*1,000 flats*	*Dollars*	*1,000 dollars*
2007	4,094	8.17	33,444	417	12.32	5,138
2008	4,360	8.49	36,999	396	12.57	4,979
2009	4,055	8.75	35,490	353	15.09	5,326
2010	4,218	8.13	34,313	306	13.12	4,015
2011	3,983	7.97	31,738	264	14.08	3,716
2012	3,865	8.56	33,005	237	13.57	3,215
2013	3,758	8.15	30,640	325	11.65	3,785
2014	3,970	8.62	34,208	252	14.03	3,535
2015	3,819	8.33	31,813	248	12.83	3,182
2018	4,240	8.53	36,182	556	13.72	7,626
	Geraniums from seeds			Impatients, other		
	1,000 flats	*Dollars*	*1,000 dollars*	*1,000 flats*	*Dollars*	*1,000 dollars*
2007	380	11.54	4,387	8,915	8.11	72,320
2008	384	11.00	4,223	8,547	8.52	72,815
2009	424	9.23	3,915	7,973	8.67	69,093
2010	465	10.29	4,784	8,641	8.24	71,160
2011	332	10.62	3,526	8,353	7.96	66,519
2012	394	9.81	3,866	6,852	9.08	62,230
2013	475	7.51	3,565	5,055	8.17	41,300
2014	372	9.26	3,445	4,775	8.38	40,034
2015	425	8.07	3,431	4,404	8.78	38,647
2018	(NA)	(NA)	(NA)	4,896	8.45	41,357
	New Guinea Impatiens			Marigolds		
	1,000 flats	*Dollars*	*1,000 dollars*	*1,000 flats*	*Dollars*	*1,000 dollars*
2007	243	11.09	2,696	3,694	8.39	31,001
2008	218	11.55	2,518	3,933	8.69	34,190
2009	290	10.77	3,124	3,976	8.98	35,713
2010	276	9.69	2,675	4,100	8.89	36,444
2011	190	10.56	2,006	3,884	8.45	32,807
2012	226	9.86	2,229	3,436	8.49	29,188
2013	335	10.01	3,355	3,488	8.24	28,733
2014	625	9.84	6,148	3,671	8.36	30,706
2015	368	9.76	3,592	3,587	8.20	29,425
2018	547	9.93	5,432	3,495	9.24	32,282
	Pansies/Violas			Petunias		
	1,000 flats	*Dollars*	*1,000 dollars*	*1,000 flats*	*Dollars*	*1,000 dollars*
2007	8,047	8.33	67,050	7,023	8.52	59,808
2008	8,169	8.82	72,036	7,402	8.80	65,129
2009	7,430	9.15	67,957	7,006	9.32	65,317
2010	7,538	8.88	66,916	7,448	8.92	66,404
2011	7,266	8.66	62,936	7,227	8.56	61,891
2012	7,343	9.02	66,245	6,667	8.64	57,618
2013	6,369	8.94	56,926	6,581	8.36	55,034
2014	7,272	8.45	61,441	6,896	9.11	62,822
2015	6,297	8.91	56,113	6,448	8.76	56,509
2018	5,269	9.72	51,195	5,751	9.62	55,348
	Other flowering and foliar plants			Vegetable type plants		
	1,000 flats	*Dollars*	*1,000 dollars*	*1,000 flats*	*Dollars*	*1,000 dollars*
2007	21,350	8.70	185,788	4,135	9.39	38,822
2008	19,441	9.00	175,027	4,545	10.25	46,573
2009	16,331	9.45	154,342	5,025	10.53	52,911
2010	17,898	9.40	168,261	4,862	10.20	49,603
2011	17,836	9.50	169,484	5,102	10.53	53,740
2012	16,934	9.10	154,089	6,297	9.64	60,714
2013	16,275	8.71	141,740	4,998	10.18	50,858
2014	14,788	9.38	138,683	4,861	10.82	52,616
2015	14,811	8.87	131,358	5,453	10.60	57,808
2018	14,488	10.00	144,925	7,330	11.73	86,013

[1] Equivalent wholesale value of all sales.
NASS, Crops Branch, (202) 720–2127.

Table 5-96.—Potted annual bedding and garden plants: Sales and wholesale value for operations with $100,000+ sales, Surveyed States, 2007–2018

Year	Quantity sold		Wholesale price		Value of sales at wholesale [1]
	Less than 5 inches	5 inches or more	Less than 5 inches	5 inches or more	
	Begonias				
	1,000 pots	*1,000 pots*	*Dollars*	*Dollars*	*1,000 dollars*
2007	16,748	3,683	0.84	2.06	21,645
2008	16,481	4,296	0.91	2.17	24,293
2009	17,821	3,272	0.86	2.34	22,907
2010	14,709	3,163	0.92	2.22	20,617
2011	14,763	3,374	0.91	2.24	20,973
2012	15,837	3,323	0.91	2.40	22,340
2013	18,296	4,118	0.94	2.58	27,922
2014	16,901	3,619	1.02	2.48	26,248
2015	16,853	4,757	1.05	2.82	31,023
2018	16,923	5,958	1.03	2.91	34,772
	Geraniums from cuttings				
	1,000 pots	*1,000 pots*	*Dollars*	*Dollars*	*1,000 dollars*
2007	22,785	13,253	1.66	3.35	82,364
2008	23,094	13,050	1.76	3.35	84,300
2009	22,985	14,209	1.79	3.18	86,303
2010	23,339	13,431	1.81	3.54	89,770
2011	21,156	12,844	1.85	3.57	85,031
2012	21,563	13,560	1.85	3.38	85,842
2013	20,429	11,554	1.88	3.62	80,293
2014	21,093	11,119	1.93	3.70	81,970
2015	19,821	11,724	1.92	3.66	80,989
2018	20,587	11,701	1.82	3.77	81,641
	Geraniums from seed [2]				
	1,000 pots	*1,000 pots*	*Dollars*	*Dollars*	*1,000 dollars*
2007	28,897	343	0.83	2.86	25,071
2008	25,114	367	0.87	3.31	23,186
2009	24,622	495	0.92	2.78	23,923
2010	18,748	1,248	1.03	4.67	25,097
2011	23,673	1,648	0.93	5.20	30,680
2012	16,449	728	0.88	3.42	16,988
2013	17,825	393	1.12	3.49	21,604
2014	17,230	340	1.11	4.06	20,552
2015	13,336	1,119	1.00	3.58	17,297
2018	(NA)	(NA)	(NA)	(NA)	(NA)
	Other impatiens				
	1,000 pots	*1,000 pots*	*Dollars*	*Dollars*	*1,000 dollars*
2007	19,575	5,575	0.81	1.69	25,267
2008	20,606	4,973	0.78	1.91	25,663
2009	21,923	5,075	0.76	1.87	26,065
2010	21,955	4,033	0.77	2.43	26,702
2011	20,480	4,220	0.77	2.25	25,334
2012	13,941	4,834	0.82	2.11	21,678
2013	8,825	3,629	0.94	1.90	15,245
2014	7,115	3,776	0.95	1.88	13,880
2015	6,754	3,614	1.00	2.25	14,911
2018	7,786	2,104	1.38	2.78	16,608
	New guinea impatiens				
	1,000 pots	*1,000 pots*	*Dollars*	*Dollars*	*1,000 dollars*
2007	11,885	4,735	1.58	2.83	32,180
2008	12,630	4,283	1.57	3.18	33,459
2009	12,439	3,834	1.59	3.25	32,177
2010	10,919	3,961	1.50	3.28	29,376
2011	9,794	3,658	1.59	3.44	28,130
2012	11,640	4,236	1.47	3.27	30,956
2013	13,325	4,045	1.51	3.46	34,105
2014	12,971	4,160	1.59	3.39	34,762
2015	12,864	4,024	1.52	3.63	34,158
2018	13,989	4,679	1.78	3.20	39,857

See footnote(s) at end of table.

Table 5-96.—Potted annual bedding and garden plants: Sales and wholesale value for operations with $100,000+ sales, Surveyed States, 2007–2018—Continued

Year	Quantity sold		Wholesale price		Value of sales at wholesale [1]
	Less than 5 inches	5 inches or more	Less than 5 inches	5 inches or more	
	Marigolds				
	1,000 pots	*1,000 pots*	*Dollars*	*Dollars*	*1,000 dollars*
2007	8,372	2,150	0.68	1.59	9,125
2008	7,600	1,704	0.72	1.61	8,185
2009	8,837	1,826	0.78	1.76	10,124
2010	7,901	2,463	0.76	1.88	10,621
2011	7,180	2,272	0.81	1.82	9,947
2012	8,871	1,792	0.79	2.10	10,762
2013	8,637	1,819	0.80	2.09	10,688
2014	9,264	1,273	0.97	2.32	11,922
2015	9,100	1,745	0.97	2.14	12,596
2018	8,020	2,357	1.09	2.39	14,366
	Pansies/violas				
	1,000 pots	*1,000 pots*	*Dollars*	*Dollars*	*1,000 dollars*
2007	28,021	6,145	0.74	2.13	33,788
2008	25,980	5,989	0.75	2.09	31,966
2009	27,054	5,529	0.74	2.06	31,363
2010	23,394	6,159	0.80	2.02	31,035
2011	24,573	6,130	0.80	2.12	32,692
2012	23,416	6,918	0.81	2.19	34,078
2013	21,953	6,155	0.86	2.19	32,308
2014	22,813	6,273	0.86	2.17	33,116
2015	23,029	6,418	0.89	2.17	34,518
2018	14,732	7,522	1.03	2.33	32,646
	Petunias				
	1,000 pots	*1,000 pots*	*Dollars*	*Dollars*	*1,000 dollars*
2007	18,551	6,935	0.98	2.37	34,558
2008	16,310	6,796	1.01	2.27	31,852
2009	18,088	7,527	0.98	2.20	34,301
2010	19,152	9,142	1.07	2.11	39,732
2011	18,212	8,843	1.12	2.07	38,629
2012	20,830	8,651	1.14	2.30	43,546
2013	18,713	8,251	1.23	2.64	44,844
2014	17,627	7,763	1.27	2.70	43,273
2015	17,664	7,815	1.28	2.68	43,536
2018	16,681	10,173	1.30	2.75	49,646
	Other flowering and foliar plants				
	1,000 pots	*1,000 pots*	*Dollars*	*Dollars*	*1,000 dollars*
2007	117,723	50,605	1.13	3.08	288,890
2008	108,251	55,789	1.20	2.65	278,250
2009	93,289	48,271	1.18	3.06	257,709
2010	104,633	57,937	1.26	3.04	301,479
2011	108,661	54,133	1.25	2.96	296,030
2012	127,328	64,961	1.20	3.02	348,961
2013	111,363	50,025	1.32	3.30	309,160
2014	98,436	45,668	1.35	3.33	284,313
2015	106,082	47,534	1.38	3.39	307,799
2018	115,900	64,616	1.45	3.56	398,531
	Vegetable type plants [3]				
	1,000 pots	*1,000 pots*	*Dollars*	*Dollars*	*1,000 dollars*
2007	27,676	3,874	1.01	2.22	36,668
2008	35,998	7,497	1.06	2.49	56,697
2009	38,534	12,794	1.07	2.51	73,307
2010	38,453	14,155	1.12	2.64	80,411
2011	40,176	7,478	1.29	3.19	75,761
2012	31,100	12,211	1.22	2.98	74,478
2013	31,816	10,057	1.24	3.16	71,249
2014	44,491	10,531	1.47	3.21	99,356
2015	36,402	8,174	1.33	2.73	70,721
2018	37,663	7,998	1.43	4.15	87,023

[1] Equivalent wholesale value of all sales. [2] Estimates discontinued in 2018. [3] Does not include vegetable transplants grown for use in commercial vegetable production.

NASS, Crops Branch, (202) 720–2127.

Table 5-97.—Potted herbaceous perennial plants: Sales and wholesale value for operations with $100,000+ sales, Surveyed States, 2007–2018

Year	Quantity sold		Wholesale price		Value of sales at wholesale [1]
	Less than 5 inches	5 inches or more	Less than 5 inches	5 inches or more	
	Hardy/Garden Chrysanthemums				
	1,000 pots	*1,000 pots*	*Dollars*	*Dollars*	*1,000 dollars*
2007	9,763	35,148	1.06	2.66	103,831
2008	9,217	34,689	1.10	2.61	100,868
2009	8,049	35,833	1.25	2.81	110,747
2010	11,352	34,531	1.10	2.93	113,620
2011	11,962	36,634	1.03	2.77	113,747
2012	13,327	35,792	1.03	3.08	124,097
2013	15,558	33,176	1.08	2.89	112,552
2014	14,727	33,907	1.04	3.08	119,888
2015	9,326	37,885	1.12	2.99	123,677
2018	15,810	37,243	1.46	3.34	147,494

Year	Quantity sold			Wholesale price			Value of sales at wholesale [1]
	Less than 1 gallon	1-2 gallons	2 gallons or more	Less than 1 gallon	1-2 gallons	2 gallons or more	
	Hosta						
	1,000 pots	*1,000 pots*	*1,000 pots*	*Dollars*	*Dollars*	*Dollars*	*1,000 dollars*
2007	4,374	6,589	271	1.74	3.50	7.69	32,723
2008	4,451	6,793	173	1.91	3.43	9.10	33,391
2009	4,279	6,340	582	2.15	3.36	6.47	34,283
2010	1,448	6,783	337	2.11	3.26	7.54	27,704
2011	2,112	6,270	281	2.27	3.19	8.53	27,195
2012	2,365	5,535	363	2.34	3.40	8.04	27,240
2013	2,511	5,898	382	2.64	3.39	7.98	29,671
2014	5,362	3,870	398	2.73	3.75	7.78	32,242
2015	5,195	4,419	419	2.70	3.92	8.35	34,869
2018	5,128	3,521	162	2.85	4.35	9.11	31,391
	Other Herbaceous Perennials						
	1,000 pots	*1,000 pots*	*1,000 pots*	*Dollars*	*Dollars*	*Dollars*	*1,000 dollars*
2007	68,640	69,843	6,442	1.71	3.33	6.84	394,407
2008	65,928	74,574	7,533	1.59	3.43	6.65	410,867
2009	50,229	80,234	4,975	1.68	3.42	6.92	392,847
2010	53,613	86,180	6,257	1.63	3.38	7.11	423,266
2011	56,970	83,944	5,459	1.75	3.35	7.43	421,276
2012	56,936	65,596	10,001	1.77	3.78	7.33	422,282
2013	62,721	72,430	6,983	1.90	3.90	8.41	460,375
2014	62,508	60,111	5,823	2.19	3.90	8.47	420,547
2015	57,666	62,449	4,271	2.17	4.01	8.75	412,866
2018	69,491	63,028	14,100	2.05	4.06	6.53	489,931

[1] Equivalent wholesale value of all sales.
NASS, Crops Branch, (202) 720–2127.

Table 5-98.—Floriculture: Number of Producers and Area Used for Production by Type of Cover, operations with $10,000+ sales, 15 Program States: 2015 and 2018

State	Total number of producers		Glass greenhouses		Fiberglass and other rigid greenhouses		Film plastic (single/multi) greenhouses	
	2015	2018	2015	2018	2015	2018	2015	2018
	Number		*1,000 square feet*					
Alaska [1]	(NA)	51	(NA)	(D)	(NA)	(D)	(D)	253
California	685	850	10,748	10,387	30,042	30,091	30,091	64,726
Colorado [1]	(NA)	121	(NA)	(D)	(NA)	(D)	(D)	3,854
Connecticut [1]	(NA)	216	(NA)	2,533	(NA)	1,560	1,560	10,067
Florida	710	680	3,054	3,800	8,159	5,468	5,468	34,499
Hawaii [2]	301	(NA)	(D)	(NA)	(D)	(NA)	(NA)	(NA)
Illinois	273	241	2,966	2,695	2,249	1,701	1,701	9,058
Maryland [2]	153	(NA)	1,644	(NA)	1,375	(NA)	(NA)	(NA)
Michigan	556	569	3,458	3,126	3,773	2,926	2,926	41,861
New Jersey	273	303	4,675	4,350	1,031	548	548	13,213
New York	615	585	3,816	3,114	1,223	1,467	1,467	15,156
North Carolina	294	257	6,652	7,662	529	265	265	13,486
Ohio	472	481	8,860	9,455	1,767	2,272	2,272	15,337
Oregon	283	259	2,835	2,367	2,691	2,485	2,485	12,054
Pennsylvania	727	683	2,585	2,616	3,808	3,613	3,613	16,135
South Carolina [2]	72	(NA)	(D)	(NA)	(D)	(NA)	(NA)	(NA)
Texas	251	254	1,361	1,221	3,696	4,977	4,977	25,844
Virginia [1]	(NA)	190	(NA)	574	(NA)	68	68	12,233
Washington	248	277	2,317	1,860	1,099	894	894	5,771
Wisconsin [1]	(NA)	369	(NA)	793	(NA)	1,457	1,457	8,148
Other States [3]	-	-	27	1,326	1,704	3,647	3,647	-
Total	5,913	6,386	54,998	57,879	63,146	63,439	63,439	301,695

State	Total greenhouse cover		Shade and temporary cover		Total covered area		Open ground [4]	
	2015	2018	2015	2018	2015	2018	2015	2018
	1,000 square feet						*Acres*	
Alaska [1]	(NA)	1,063	(NA)	-	(NA)	1,063	(NA)	54
California	104,779	105,204	37,148	30,386	141,927	135,590	9,399	13,327
Colorado [1]	(NA)	8,017	(NA)	188	(NA)	8,205	(NA)	169
Connecticut [1]	(NA)	14,160	(NA)	211	(NA)	14,371	(NA)	503
Florida	51,673	43,767	289,184	392,386	340,857	436,153	6,853	6,527
Hawaii [2]	(D)	(NA)	(D)	(NA)	17,940	(NA)	914	(NA)
Illinois	14,604	13,454	664	619	15,268	14,073	4,272	1,179
Maryland [2]	9,274	(NA)	360	(NA)	9,634	(NA)	618	(NA)
Michigan	46,278	47,913	711	1,742	46,989	49,655	2,063	2,359
New Jersey	23,236	18,111	493	227	23,729	18,338	4,826	2,890
New York	20,760	19,737	433	377	21,193	20,114	722	943
North Carolina	21,640	21,413	1,244	251	22,884	21,664	912	644
Ohio	26,632	27,064	956	538	27,588	27,602	385	431
Oregon	18,861	16,906	2,275	2,408	21,136	19,314	3,903	3,047
Pennsylvania	20,959	22,364	262	187	21,221	22,551	778	802
South Carolina [2]	(D)	(NA)	(D)	(NA)	5,921	(NA)	396	(NA)
Texas	33,109	32,042	6,485	5,694	39,594	37,736	1,215	1,789
Virginia [1]	(NA)	12,875	(NA)	430	(NA)	13,305	(NA)	582
Washington	10,118	8,525	917	286	11,035	8,811	2,786	2,132
Wisconsin [1]	(NA)	10,398	(NA)	431	(NA)	10,829	(NA)	980
Other States [3]	7,425	-	16,436	-	-	-	-	-
Total	409,348	423,013	357,568	436,361	766,916	859,374	40,042	38,358

- Represents zero. (D) Withheld to avoid disclosure of individual operations. (NA) Not available. [1] Estimates began in 2018. [2] Estimates discontinued in 2018. [3] Includes data withheld above. [4] Totals may not add due to rounding.
NASS, Crops Branch, (202) 720-2127.

Table 5-99.—Floriculture Crops: Wholesale value of all sales by category, operations with $100,000+ sales: 2015 and 2018

State	Annual bedding/ garden plants		Herbaceous perennial plants		Total bedding/ garden plants [1]	
	2015	2018	2015	2018	2015	2018
	1,000 dollars					
Alaska [2]	(NA)	4,136	(NA)	336	(NA)	4,472
California	193,209	205,623	72,361	126,603	265,570	332,226
Colorado [2]	(NA)	61,486	(NA)	23,647	(NA)	85,133
Connecticut [2]	(NA)	74,025	(NA)	40,683	(NA)	114,708
Florida	96,402	140,090	37,023	63,539	133,425	203,629
Hawaii [3]	2,199	(NA)	1,587	(NA)	3,786	(NA)
Illinois	38,595	40,612	25,619	35,375	64,214	75,987
Maryland [3]	64,704	(NA)	37,527	(NA)	102,231	(NA)
Michigan	208,727	224,469	61,939	69,390	270,666	293,859
New Jersey	77,016	71,187	56,641	49,562	133,657	120,749
New York	86,189	72,076	24,608	21,276	110,797	93,352
North Carolina	140,596	84,195	42,873	58,199	183,469	142,394
Ohio	81,126	69,016	51,844	40,933	132,970	109,949
Oregon	52,586	71,514	30,667	37,857	83,253	109,371
Pennsylvania	67,574	77,783	22,593	31,025	90,167	108,808
South Carolina [3]	8,036	(NA)	46,786	(NA)	54,822	(NA)
Texas	136,112	98,708	32,118	29,868	168,230	128,576
Virginia [2]	(NA)	76,269	(NA)	24,254	(NA)	100,523
Washington	33,511	39,586	27,226	38,449	60,737	78,035
Wisconsin [2]	(NA)	46,440	(NA)	16,595	(NA)	63,035
Other States [4]	-	-	-	-	-	-
Total	1,286,582	1,457,215	571,412	707,591	1,857,994	2,164,806

State	Potted flowering plants		Foliage plants for indoor or patio use		Cut flowers	
	2015	2018	2015	2018	2015	2018
	1,000 dollars					
Alaska [2]	(NA)	(D)	(NA)	(D)	(NA)	163
California	273,537	299,573	114,599	155,649	293,737	288,356
Colorado [2]	(NA)	9,149	(NA)	1,446	(NA)	2,724
Connecticut [2]	(NA)	8,460	(NA)	(D)	(NA)	66
Florida	201,212	151,957	543,447	413,873	2,289	(D)
Hawaii [3]	15,079	(NA)	9,612	(NA)	7,014	(NA)
Illinois	23,875	25,070	1,121	1,746	1,103	(D)
Maryland [3]	7,060	(NA)	(D)	(NA)	470	(NA)
Michigan	31,147	70,435	6,305	8,849	5,312	(D)
New Jersey	29,368	50,723	(D)	12,996	14,675	(D)
New York	29,537	33,433	(D)	2,266	885	(D)
North Carolina	27,545	18,494	(D)	18,078	4,981	(D)
Ohio	68,163	75,458	4,207	7,559	(D)	800
Oregon	14,809	17,186	1,170	4,695	13,350	13,231
Pennsylvania	44,954	47,996	(D)	(D)	(D)	8,513
South Carolina [3]	8,221	(NA)	(D)	(NA)	(D)	(NA)
Texas	27,165	26,040	(D)	14,010	(D)	3,533
Virginia [2]	(NA)	30,130	(NA)	835	(NA)	2,026
Washington	7,988	7,028	(D)	6,486	20,457	21,571
Wisconsin [2]	(NA)	(D)	(NA)	(D)	(NA)	2,799
Other States [4]	-	5,622	33,228	4,591	10,045	31,162
Total	809,660	876,754	713,689	653,079	374,318	374,944

See footnote(s) at end of table.

Table 5-99.—Floriculture Crops: Wholesale value of all sales by category, operations with $100,000+ sales: 2015 and 2018–Continued

State	Cut cultivated greens		Propagative floriculture material		Total wholesale value of all plant categories	
	2015	2018	2015	2018	2015	2018
	1,000 dollars					
Alaska[2]	(NA)	-	(NA)	-	(NA)	5,602
California	15,762	21,105	107,076	102,488	1,070,281	1,199,397
Colorado[2]	(NA)	-	(NA)	27,516	(NA)	125,968
Connecticut[2]	(NA)	-	(NA)	(D)	(NA)	123,667
Florida	61,080	(D)	86,828	90,893	1,028,281	938,886
Hawaii[3]	323	(NA)	1,352	(NA)	37,166	(NA)
Illinois	-	10	1,359	1,633	91,672	105,372
Maryland[3]	-	(NA)	(D)	(NA)	111,163	(NA)
Michigan	(D)	(D)	(D)	96,208	398,113	474,977
New Jersey	(D)	(D)	18,271	21,122	197,001	221,597
New York	(D)	(D)	16,522	17,712	160,167	148,014
North Carolina	-	(D)	(D)	3,432	234,168	188,269
Ohio	-	(D)	(D)	3,142	210,102	196,923
Oregon	2,465	3,318	14,292	10,925	129,339	158,726
Pennsylvania	(D)	(D)	(D)	27,864	169,962	195,620
South Carolina[3]	-	(NA)	(D)	(NA)	63,199	(NA)
Texas	(D)	-	(D)	4,925	216,429	177,084
Virginia[2]	(NA)	(D)	(NA)	(D)	(NA)	140,093
Washington	(D)	44	21,920	13,655	112,761	126,819
Wisconsin[2]	(NA)	(D)	(NA)	2,995	(NA)	75,691
Other States[4]	796	77,520	126,097	6,615	-	-
Total	80,426	101,997	393,717	431,125	4,229,804	4,602,705

- Represents zero. (D) Withheld to avoid disclosure of individual operations.(NA) Not available. [1] Includes Annual Bedding Plants and Herbaceous Perennials. [2] Estimates began in 2018. [3] Estimates discontinued in 2018. [4] Includes data withheld above.

NASS, Crops Branch, (202) 720-2127.

Table 5-100.—Nuts, Pecans: Cold storage holdings, end of month, United States, 2017 and 2018

Month	Pecans			
	Shelled		In-shell	
	2017	2018	2017	2018
	1,000 pounds			
January	39,821	45,662	195,588	162,210
February	44,708	46,991	203,931	196,988
March	48,213	51,950	182,828	184,869
April	52,640	57,156	158,509	161,330
May	51,084	60,151	133,144	136,556
June	53,941	63,314	106,529	111,349
July	55,313	65,379	85,068	89,383
August	56,911	70,019	63,032	57,796
September	53,112	64,493	34,405	33,667
October	46,475	55,475	23,686	25,476
November	41,564	53,219	43,018	47,970
December	44,036	54,259	95,912	94,823

NASS, Livestock Branch, (202) 720-3570.

Table 5-101.—Fruit and orange juice: Cold storage holdings, end of month, United States, 2017 and 2018

Month	Apples		Apricots		Blackberries, IQF		Blackberries, pails & tubs	
	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	37,963	34,420	6,506	4,295	18,532	14,018	2,114	1,747
February	36,919	35,915	4,103	3,616	16,980	11,789	1,409	1,502
March	38,679	36,968	3,163	2,974	15,269	10,188	1,513	1,518
April	44,495	35,087	2,848	2,275	14,755	9,329	1,382	1,184
May	40,049	32,441	2,279	1,664	12,268	7,962	1,535	1,133
June	37,418	33,715	11,696	8,301	12,541	8,924	1,488	1,106
July	34,995	30,609	11,048	9,538	21,214	25,723	1,424	1,681
August	34,475	24,822	8,512	8,843	22,190	22,340	1,439	1,320
September	29,471	22,366	7,335	8,148	20,717	22,247	1,483	1,344
October	26,836	21,602	6,098	7,549	18,618	21,081	1,607	1,678
November	29,408	23,141	5,506	6,640	17,320	18,770	1,661	1,635
December	32,007	28,276	4,873	6,458	16,208	17,059	1,724	1,420

Month	Blackberries, barrels		Blackberries, concentrate		Blackberries, total		Blueberries	
	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	8,043	4,356	851	1,281	29,540	21,402	241,947	192,354
February	7,904	3,735	690	1,179	26,983	18,205	223,211	162,564
March	6,715	3,210	654	1,266	24,151	16,182	195,417	134,469
April	6,355	2,976	655	1,262	23,147	14,751	184,367	116,387
May	6,590	2,416	563	1,023	20,956	12,534	157,140	96,891
June	7,363	3,519	693	932	22,085	14,481	147,915	99,912
July	13,494	10,207	781	1,103	36,913	38,714	197,723	175,163
August	10,241	8,707	837	1,080	34,707	33,447	276,632	244,902
September	8,669	7,665	734	1,038	31,603	32,294	266,423	247,396
October	6,792	6,417	1,007	922	28,024	30,098	256,727	228,308
November	6,618	5,900	1,083	764	26,682	27,069	230,843	199,883
December	5,326	5,389	1,191	771	24,449	24,639	222,060	182,857

Month	Boysenberries		Cherries, Tart (RTP)		Cherries, Sweet		Grapes	
	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	1,499	412	131,911	125,530	20,042	16,935	1,290	2,859
February	1,444	589	121,549	115,381	20,301	14,840	1,166	2,853
March	1,208	437	111,923	108,226	18,044	14,400	1,371	3,015
April	978	430	102,192	98,931	16,530	13,710	1,368	2,525
May	843	347	93,736	88,879	13,998	12,447	2,281	3,055
June	869	835	83,809	74,151	10,511	10,877	2,392	4,464
July	1,224	1,044	155,363	167,724	16,605	16,941	2,790	3,719
August	852	897	166,554	184,463	20,305	22,197	2,764	5,798
September	721	868	158,660	169,664	20,977	20,896	3,031	4,831
October	665	933	154,858	156,443	20,736	16,924	3,155	3,785
November	768	794	142,281	145,503	19,546	14,646	2,897	4,417
December	585	722	134,946	141,203	17,801	15,147	2,977	4,772

Month	Peaches		Raspberries, Black		Red Raspberries, IQF		Red Raspberries, pails & tubs	
	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	74,285	68,986	1,047	1,756	29,657	33,313	6,498	6,428
February	69,924	60,036	960	1,677	27,875	32,545	5,669	6,678
March	64,477	54,899	1,012	1,703	24,868	29,636	5,273	6,369
April	58,878	46,756	1,021	1,423	22,982	27,388	4,799	5,934
May	53,696	40,717	870	1,306	19,910	24,831	4,795	5,671
June	53,066	35,517	911	2,081	16,999	26,870	4,017	5,419
July	62,003	37,622	2,015	2,718	39,775	55,768	8,718	9,483
August	83,564	47,951	1,995	1,992	43,714	53,168	8,662	9,225
September	87,901	69,188	1,905	1,796	41,073	47,645	7,167	8,784
October	85,238	69,577	1,584	1,625	35,904	43,591	7,281	8,483
November	84,813	64,956	1,590	1,513	36,458	39,721	7,251	7,913
December	76,686	62,532	1,498	1,467	34,781	37,341	7,216	7,627

See footnotes(s) at end of table.

Table 5-101.—Fruit and orange juice: Cold storage holdings, end of month, United States, 2017 and 2018—Continued

Month	Red Raspberries, barrels		Red Raspberries, concentrate		Red Raspberries, total		Strawberries, IQF & Poly	
	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	21,857	26,466	3,263	1,027	61,275	67,234	116,982	110,933
February	18,119	23,695	3,109	2,037	54,772	64,955	103,960	95,498
March	15,770	19,891	2,984	2,107	48,895	58,003	112,436	95,820
April	13,456	20,758	2,911	2,126	44,148	56,206	119,276	90,021
May	12,400	18,483	2,559	1,912	39,664	50,897	139,991	111,245
June	10,964	14,062	1,838	2,211	33,818	48,562	154,949	141,526
July	32,655	46,228	2,723	1,978	83,871	113,457	180,463	138,909
August	38,161	46,080	2,647	1,896	93,184	110,369	175,380	129,037
September	38,007	44,888	1,058	1,882	87,305	103,199	168,268	126,616
October	36,109	41,770	1,361	1,540	80,655	95,384	149,453	108,659
November	34,380	38,648	1,293	1,519	79,382	87,801	136,248	90,907
December	32,424	38,240	1,193	1,566	75,614	84,774	122,244	86,344

Month	Strawberries, pails & tubs		Strawberries, barrels & drums		Strawberries, juice stock		Strawberries, total	
	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	84,344	83,607	61,185	46,853	27,111	11,626	289,622	253,019
February	83,362	70,208	57,265	36,151	29,560	14,226	274,147	216,083
March	67,296	57,643	50,287	28,576	25,959	13,841	255,978	195,880
April	65,884	56,735	56,192	27,743	24,854	12,480	266,206	186,979
May	78,498	82,692	69,293	43,875	24,462	11,716	312,244	249,528
June	94,329	126,678	82,286	95,690	26,064	13,339	357,628	377,233
July	109,452	122,929	97,989	100,883	23,337	10,475	411,241	373,196
August	121,832	111,697	84,789	98,137	20,914	11,748	402,915	350,619
September	108,110	94,959	70,672	95,479	16,492	11,123	363,542	328,177
October	101,259	84,202	66,590	81,553	15,748	11,796	333,050	286,210
November	98,398	81,755	60,415	69,646	14,290	10,870	309,351	253,178
December	90,885	73,196	54,950	57,780	12,997	10,113	281,076	227,433

Month	Other fruit		Total frozen fruit		Orange juice	
	2017	2018	2017	2018	2017	2018
	1,000 pounds					
January	764,821	595,561	1,673,422	1,390,288	503,356	517,105
February	738,926	554,544	1,585,755	1,256,166	506,275	500,973
March	665,196	487,759	1,439,934	1,119,005	517,057	563,125
April	604,047	462,212	1,360,506	1,041,047	542,175	632,626
May	543,809	399,596	1,290,956	992,928	575,365	730,886
June	491,595	404,649	1,262,782	1,117,468	544,443	733,849
July	502,270	395,232	1,530,292	1,379,068	505,491	691,110
August	493,106	361,493	1,633,134	1,417,408	471,509	633,390
September	515,569	398,684	1,585,809	1,425,149	495,648	608,983
October	700,422	741,609	1,707,834	1,677,206	493,531	566,387
November	709,259	710,973	1,650,332	1,556,323	468,090	528,895
December	666,624	654,518	1,547,787	1,449,406	505,077	547,910

NASS, Livestock Branch, (202) 720–3570.

CHAPTER VI

STATISTICS OF HAY, SEEDS, AND MINOR FIELD CROPS

Chapter VI deals with hay, pasture, seeds, and various minor field crops.

Table 6-1.—Hay, all: Area, yield, and production, by State and United States, 2016–2018

State	Area harvested			Yield per harvested acre			Production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*Tons*	*Tons*	*Tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*
Alabama	810	860	850	2.10	2.50	2.80	1,701	2,150	2,380
Alaska [1]	(X)	(X)	22	(X)	(X)	1.30	(X)	(X)	29
Arizona	320	325	300	8.18	7.96	7.82	2,619	2,586	2,346
Arkansas	1,304	1,293	1,203	2.00	2.00	1.80	2,614	2,591	2,168
California	1,220	1,140	980	5.57	5.60	5.80	6,790	6,388	5,682
Colorado	1,380	1,440	1,420	2.59	2.75	2.55	3,570	3,960	3,621
Connecticut	46	48	47	1.89	2.29	2.34	87	110	110
Delaware	17	15	13	3.06	3.20	2.62	52	48	34
Florida	300	300	280	2.70	2.50	3.10	810	750	868
Georgia	600	620	600	2.30	2.90	2.90	1,380	1,798	1,740
Idaho	1,330	1,430	1,340	3.85	3.59	3.75	5,126	5,128	5,019
Illinois	480	490	470	3.12	3.25	2.79	1,497	1,593	1,309
Indiana	500	540	510	3.56	2.76	2.71	1,781	1,492	1,382
Iowa	910	1,060	940	3.53	3.08	3.19	3,210	3,268	2,998
Kansas	2,600	2,470	2,360	2.40	2.22	2.02	6,240	5,472	4,760
Kentucky	2,260	2,125	1,895	2.48	2.43	2.68	5,600	5,170	5,088
Louisiana	410	400	380	2.90	2.60	2.20	1,189	1,040	836
Maine	140	125	110	1.88	1.93	1.89	263	241	208
Maryland	215	190	195	2.68	2.68	2.83	576	509	552
Massachusetts	82	78	79	1.57	1.78	1.48	129	139	117
Michigan	870	870	810	2.71	2.29	2.24	2,357	1,989	1,812
Minnesota	1,520	1,360	1,220	2.92	2.79	2.52	4,440	3,797	3,077
Mississippi	640	610	590	2.20	2.40	2.10	1,408	1,464	1,239
Missouri	2,830	3,000	3,070	2.14	2.00	1.76	6,066	5,985	5,408
Montana	2,600	2,500	2,900	1.92	1.90	1.93	5,000	4,740	5,595
Nebraska	2,380	2,510	2,700	2.40	2.37	2.59	5,717	5,955	6,985
Nevada	340	385	365	3.37	3.35	3.17	1,146	1,288	1,158
New Hampshire	55	45	39	1.98	1.80	1.77	109	81	69
New Jersey	115	108	114	1.85	2.22	1.93	213	240	220
New Mexico	275	285	250	3.71	4.00	3.73	1,019	1,140	932
New York	1,360	1,320	1,220	1.68	2.01	2.25	2,285	2,650	2,744
North Carolina	687	657	816	2.31	2.30	2.71	1,587	1,514	2,210
North Dakota	2,530	2,580	2,670	1.69	1.33	1.66	4,285	3,423	4,419
Ohio	965	960	970	2.56	2.47	2.43	2,471	2,371	2,356
Oklahoma	2,960	2,930	3,230	1.90	1.92	1.59	5,611	5,638	5,121
Oregon	1,130	1,085	1,000	3.44	3.05	3.06	3,891	3,304	3,056
Pennsylvania	1,300	1,420	1,190	2.38	2.61	2.30	3,093	3,709	2,739
Rhode Island	7	6	6	1.29	2.00	2.00	9	12	12
South Carolina	320	300	270	2.10	2.60	2.50	672	780	675
South Dakota	3,050	2,950	3,250	1.78	1.56	1.78	5,425	4,603	5,788
Tennessee	1,815	1,665	1,720	2.16	2.26	2.46	3,924	3,767	4,231
Texas	4,630	4,520	4,740	2.53	2.11	1.77	11,714	9,548	8,374
Utah	690	705	650	3.74	3.74	3.38	2,578	2,636	2,195
Vermont	180	185	170	1.92	1.97	2.15	345	364	366
Virginia	1,215	1,195	1,140	2.34	2.31	2.23	2,847	2,764	2,540
Washington	840	740	760	3.98	4.02	3.64	3,343	2,973	2,764
West Virginia	587	567	535	1.84	1.78	1.72	1,079	1,009	922
Wisconsin	1,330	1,270	1,360	2.95	2.77	2.17	3,926	3,522	2,953
Wyoming	1,040	1,100	1,090	2.20	2.28	2.20	2,288	2,508	2,393
United States [2]	53,185	52,777	52,839	2.52	2.43	2.34	134,082	128,207	123,600

(X) Not applicable. [1] Previously was included in the Alaska table. For 2016 and 2017 data please refer to the Alaska table on page 105. [2] Beginning in 2018, United States total includes data for Alaska.
NASS, Crops Branch, (202) 720–2127.

Table 6-2.—Hay, all: Area, yield, production, and value, United States, 2009–2018

Year	Area harvested	Yield per acre	Production	Marketing year average price per ton received by farmers	Value of production
	1,000 acres	*Tons*	*1,000 tons*	*Dollars*	*1,000 dollars*
2009	59,775	2.47	147,700	108.00	14,715,559
2010	59,574	2.43	145,000	114.00	14,606,696
2011	55,204	2.35	129,880	178.00	18,085,074
2012	54,653	2.14	117,072	191.00	18,613,183
2013	57,973	2.33	135,198	176.00	19,845,080
2014	57,153	2.45	140,119	172.00	19,147,954
2015	54,529	2.47	134,668	145.00	16,568,121
2016	53,185	2.52	134,082	129.00	15,477,263
2017	52,777	2.43	128,207	142.00	16,109,040
2018	52,839	2.34	123,600	164.00	17,048,184

NASS, Crops Branch, (202) 720–2127.

Table 6-3.—Alfalfa and alfalfa mixtures for hay: Area, yield, and production, by State and United States, 2016–2018

State	Area harvested			Yield per harvested acre			Production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*Tons*	*Tons*	*Tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*
Arizona	285	285	260	8.60	8.40	8.30	2,451	2,394	2,158
Arkansas	4	3	3	3.60	3.60	2.50	14	11	8
California	720	700	620	7.00	6.80	6.90	5,040	4,760	4,278
Colorado	680	720	730	3.50	3.70	3.40	2,380	2,664	2,482
Connecticut	6	8	7	1.90	2.30	2.50	11	18	18
Delaware	5	5	4	2.80	3.50	2.90	14	18	12
Idaho	1,000	1,060	1,050	4.40	4.00	4.20	4,400	4,240	4,410
Illinois	230	230	250	3.90	4.10	3.30	897	943	825
Indiana	210	250	240	4.20	3.30	3.00	882	825	720
Iowa	550	720	620	4.20	3.50	3.70	2,310	2,520	2,294
Kansas	700	570	610	4.30	3.60	3.50	3,010	2,052	2,135
Kentucky	160	185	145	3.50	3.30	3.10	560	611	450
Maine	10	10	10	2.20	2.20	2.30	22	22	23
Maryland	35	35	40	4.10	3.90	4.50	144	137	180
Massachusetts	7	8	9	2.30	2.50	2.10	16	20	19
Michigan	640	610	590	3.00	2.60	2.40	1,920	1,586	1,416
Minnesota	1,000	870	720	3.40	3.35	2.85	3,400	2,915	2,052
Missouri	230	300	270	3.20	2.40	2.40	736	720	648
Montana	1,800	1,650	1,900	2.00	2.10	2.05	3,600	3,465	3,895
Nebraska	780	860	850	4.15	3.95	4.30	3,237	3,397	3,655
Nevada	200	225	185	4.40	4.30	4.70	880	968	870
New Hampshire	5	5	4	1.70	1.80	2.20	9	9	9
New Jersey	12	13	9	3.20	3.10	3.45	38	40	31
New Mexico	190	190	160	4.60	5.00	4.70	874	950	752
New York	350	400	300	2.20	2.60	2.40	770	1,040	720
North Carolina	7	7	6	3.30	2.70	3.90	23	19	23
North Dakota	1,430	1,380	1,470	1.65	1.35	1.70	2,360	1,863	2,499
Ohio	365	350	350	3.40	3.20	3.10	1,241	1,120	1,085
Oklahoma	210	280	230	3.80	3.10	2.70	798	868	621
Oregon	420	420	420	4.70	4.70	4.10	1,974	1,974	1,722
Pennsylvania	350	430	300	3.00	3.10	2.90	1,050	1,333	870
Rhode Island	1	1	1	1.10	2.00	2.00	1	2	2
South Dakota	1,700	1,550	1,750	2.00	1.75	2.15	3,400	2,713	3,763
Tennessee	15	15	20	3.60	3.60	3.30	54	54	66
Texas	130	120	140	5.30	4.40	5.60	689	528	784
Utah	530	550	500	4.20	4.20	3.70	2,226	2,310	1,850
Vermont	30	30	20	2.50	1.80	1.80	75	54	36
Virginia	65	65	40	3.10	3.40	3.00	202	221	120
Washington	430	390	350	5.20	5.20	4.50	2,236	2,028	1,575
West Virginia	17	17	15	3.10	2.70	2.50	53	46	38
Wisconsin	1,000	910	820	3.20	3.00	2.35	3,200	2,730	1,927
Wyoming	520	580	590	2.70	2.80	2.70	1,404	1,624	1,593
United States	17,029	17,007	16,608	3.44	3.28	3.17	58,601	55,812	52,634

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Table 6-4.—Hay, all other: Area, yield, and production, by State and United States, 2016–2018

State	Area harvested			Yield per harvested acre			Production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*Tons*	*Tons*	*Tons*	*1,000 tons*	*1,000 tons*	*1,000 tons*
Alabama [1]	810	860	850	2.10	2.50	2.80	1,701	2,150	2,380
Alaska [1] [2]	(X)	(X)	22	(X)	(X)	1.30	(X)	(X)	29
Arizona	35	40	40	4.80	4.80	4.70	168	192	188
Arkansas	1,300	1,290	1,200	2.00	2.00	1.80	2,600	2,580	2,160
California	500	440	360	3.50	3.70	3.90	1,750	1,628	1,404
Colorado	700	720	690	1.70	1.80	1.65	1,190	1,296	1,139
Connecticut	40	40	40	1.90	2.30	2.30	76	92	92
Delaware	12	10	9	3.20	3.00	2.40	38	30	22
Florida [1]	300	300	280	2.70	2.50	3.10	810	750	868
Georgia [1]	600	620	600	2.30	2.90	2.90	1,380	1,798	1,740
Idaho	330	370	290	2.20	2.40	2.10	726	888	609
Illinois	250	260	220	2.40	2.50	2.20	600	650	484
Indiana	290	290	270	3.10	2.30	2.45	899	667	662
Iowa	360	340	320	2.50	2.20	2.20	900	748	704
Kansas	1,900	1,900	1,750	1.70	1.80	1.50	3,230	3,420	2,625
Kentucky	2,100	1,940	1,750	2.40	2.35	2.65	5,040	4,559	4,638
Louisiana [1]	410	400	380	2.90	2.60	2.20	1,189	1,040	836
Maine	130	115	100	1.85	1.90	1.85	241	219	185
Maryland	180	155	155	2.40	2.40	2.40	432	372	372
Massachusetts	75	70	70	1.50	1.70	1.40	113	119	98
Michigan	230	260	220	1.90	1.55	1.80	437	403	396
Minnesota	520	490	500	2.00	1.80	2.05	1,040	882	1,025
Mississippi [1]	640	610	590	2.20	2.40	2.10	1,408	1,464	1,239
Missouri	2,600	2,700	2,800	2.05	1.95	1.70	5,330	5,265	4,760
Montana	800	850	1,000	1.75	1.50	1.70	1,400	1,275	1,700
Nebraska	1,600	1,650	1,850	1.55	1.55	1.80	2,480	2,558	3,330
Nevada	140	160	180	1.90	2.00	1.60	266	320	288
New Hampshire	50	40	35	2.00	1.80	1.70	100	72	60
New Jersey	103	95	105	1.70	2.10	1.80	175	200	189
New Mexico	85	95	90	1.70	2.00	2.00	145	190	180
New York	1,010	920	920	1.50	1.75	2.20	1,515	1,610	2,024
North Carolina	680	650	810	2.30	2.30	2.70	1,564	1,495	2,187
North Dakota	1,100	1,200	1,200	1.75	1.30	1.60	1,925	1,560	1,920
Ohio	600	610	620	2.05	2.05	2.05	1,230	1,251	1,271
Oklahoma	2,750	2,650	3,000	1.75	1.80	1.50	4,813	4,770	4,500
Oregon	710	665	580	2.70	2.00	2.30	1,917	1,330	1,334
Pennsylvania	950	990	890	2.15	2.40	2.10	2,043	2,376	1,869
Rhode Island	6	5	5	1.30	1.90	1.90	8	10	10
South Carolina [1]	320	300	270	2.10	2.60	2.50	672	780	675
South Dakota	1,350	1,400	1,500	1.50	1.35	1.35	2,025	1,890	2,025
Tennessee	1,800	1,650	1,700	2.15	2.25	2.45	3,870	3,713	4,165
Texas	4,500	4,400	4,600	2.45	2.05	1.65	11,025	9,020	7,590
Utah	160	155	150	2.20	2.10	2.30	352	326	345
Vermont	150	155	150	1.80	2.00	2.20	270	310	330
Virginia	1,150	1,130	1,100	2.30	2.25	2.20	2,645	2,543	2,420
Washington	410	350	410	2.70	2.70	2.90	1,107	945	1,189
West Virginia	570	550	520	1.80	1.75	1.70	1,026	963	884
Wisconsin	330	360	540	2.20	2.20	1.90	726	792	1,026
Wyoming	520	520	500	1.70	1.70	1.60	884	884	800
United States [2]	36,156	35,770	36,231	2.09	2.02	1.96	75,481	72,395	70,966

[1] Alfalfa and alfalfa mixtures included in all other hay. [2] Beginning in 2018, United States total includes data for Alaska.
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Table 6-5.—Hay, all: Stocks on farms, United States, 2008–2018

Crop year	Dec. 1	May 1 [1]
2008	103,658	21,585
2009	107,222	22,065
2010	101,667	20,931
2011	89,723	22,217
2012	75,175	21,381
2013	89,304	14,156
2014	92,172	19,186
2015	94,928	24,537
2016	95,928	25,155
2017	89,422	24,400
2018	79,055	15,348

[1] Following year.
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Table 6-6.—Hay, all: Marketing year average price and value of production, by State and United States, 2016–2018

State	Marketing year average price per ton, baled [1]			Value of production		
	2016	2017	2018 [2]	2016	2017	2018 [2]
	Dollars	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Alabama	110.00	98.00	95.00	187,110	210,700	226,100
Alaska [3]	(NA)	(NA)	355.00	(NA)	(NA)	10,295
Arizona	153.00	172.00	209.00	399,432	445,368	488,622
Arkansas	102.00	100.00	108.00	267,720	257,488	234,816
California	149.00	168.00	191.00	1,005,200	1,067,060	1,076,226
Colorado	151.00	172.00	217.00	549,780	688,824	788,035
Connecticut	160.00	171.00	172.00	13,974	17,568	18,960
Delaware	169.00	153.00	168.00	8,770	7,656	5,650
Florida	160.00	157.00	153.00	129,600	117,750	132,804
Georgia	100.00	98.00	82.00	138,000	176,204	142,680
Idaho	131.00	138.00	152.00	673,596	717,832	769,440
Illinois	139.00	129.00	148.00	199,920	200,243	190,674
Indiana	155.00	157.00	154.00	265,826	237,369	211,026
Iowa	89.00	111.00	121.00	285,030	367,396	364,008
Kansas	90.50	111.00	150.00	524,970	536,256	627,410
Kentucky	133.00	131.00	162.00	673,120	624,019	764,622
Louisiana	97.00	95.00	102.00	115,333	98,800	85,272
Maine	135.00	151.00	133.00	35,400	33,395	28,121
Maryland	179.00	150.00	163.00	92,880	76,387	91,092
Massachusetts	185.00	159.00	182.00	23,250	18,696	21,662
Michigan	133.00	145.00	142.00	323,067	296,985	261,276
Minnesota	74.00	103.00	117.00	330,520	398,191	370,289
Mississippi	77.00	90.00	97.00	108,416	131,760	120,183
Missouri	95.50	99.50	117.00	542,688	566,775	617,112
Montana	132.00	141.00	145.00	658,800	665,430	799,160
Nebraska	77.00	91.00	105.00	432,560	526,475	696,390
Nevada	151.00	174.00	173.00	169,670	219,328	202,062
New Hampshire	179.00	153.00	114.00	19,636	10,080	8,103
New Jersey	191.00	127.00	186.00	36,778	31,240	41,032
New Mexico	162.00	178.00	229.00	164,365	201,780	211,080
New York	185.00	148.00	149.00	436,660	446,820	410,800
North Carolina	116.00	117.00	123.00	184,805	177,410	271,897
North Dakota	77.50	99.50	87.00	312,435	315,735	360,468
Ohio	137.00	138.00	155.00	348,752	339,865	351,447
Oklahoma	86.00	86.00	102.00	491,922	495,308	527,022
Oregon	164.00	170.00	196.00	636,207	560,952	595,192
Pennsylvania	178.00	164.00	177.00	551,718	616,101	491,118
Rhode Island	163.00	143.00	140.00	1,458	1,650	1,684
South Carolina	106.00	141.00	139.00	71,232	109,980	93,825
South Dakota	86.00	108.00	99.50	458,525	487,765	571,577
Tennessee	112.00	116.00	120.00	437,850	438,497	510,353
Texas	112.00	116.00	137.00	1,201,714	1,042,668	1,063,146
Utah	127.00	134.00	170.00	319,310	347,356	359,695
Vermont	132.00	137.00	138.00	45,900	48,244	50,412
Virginia	140.00	127.00	139.00	398,485	354,113	347,540
Washington	142.00	172.00	187.00	478,980	515,901	518,891
West Virginia	119.00	120.00	127.00	128,325	120,402	116,446
Wisconsin	85.00	111.00	144.00	332,582	396,066	414,873
Wyoming	119.00	140.00	164.00	264,992	347,152	387,596
United States [3]	129.00	142.00	164.00	15,477,263	16,109,040	17,048,184

(NA) Not available. [1] Baled hay. [2] Preliminary. [3] Beginning in 2018, United States total includes data for Alaska.
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Table 6-7.—Hay: Area and production, by type, United States, 2008–2018

Year	Area harvested			Production		
	Alfalfa	All other hay	All hay	Alfalfa	All other hay	All hay
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 tons*	*1,000 tons*	*1,000 tons*
2008	21,060	39,092	60,152	70,180	76,090	146,270
2009	21,247	38,528	59,775	71,072	76,628	147,700
2010	19,968	39,606	59,574	67,977	77,023	145,000
2011	19,044	36,160	55,204	64,815	65,065	129,880
2012	16,795	37,858	54,653	50,600	66,472	117,072
2013	17,699	40,274	57,973	57,307	77,891	135,198
2014	18,406	38,747	57,153	61,487	78,632	140,119
2015	17,810	36,719	54,529	59,060	75,608	134,668
2016	17,029	36,156	53,185	58,601	75,481	134,082
2017	17,007	35,770	52,777	55,812	72,395	128,207
2018	16,608	36,231	52,839	52,634	70,966	123,600

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Forage production is the sum of all dry hay production and haylage/greenchop production after converting the haylage/greenchop production to a dry equivalent basis (13 percent moisture) by multiplying the green weight (weight at harvest) by 0.4943. The conversion factor (0.4943) is based on the assumption that one ton of dry hay is 0.87 ton of dry matter, one ton of haylage is 0.45 ton dry matter and one ton of greenchop is 0.25 ton dry matter. The total haylage/greenchop production is assumed to be comprised of 90 percent haylage and 10 percent greenchop. Therefore, the conversion factor used to adjust haylage/greenchop production to a dry equivalent basis = ((0.45*0.9)+(0.25*0.1))/0.87 = 0.4943. The factors assumed here may vary by State and can be adjusted. Adjustments would result in a slightly different conversion factor.

Table 6-8.—All forage: Area harvested, yield, and production, by State and 17 State total, 2016–2018 [1]

State	Area harvested			Yield		
	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*Tons*	*Tons*	*Tons*
California	1,440	1,360	1,180	5.59	5.92	5.98
Idaho	1,385	1,495	1,380	4.26	3.74	4.00
Illinois	500	515	485	3.28	3.46	2.92
Iowa	1,010	1,120	995	3.71	3.23	3.31
Kansas	2,700	2,565	2,460	2.47	2.32	2.09
Michigan	1,080	1,050	1,010	3.26	2.86	2.70
Minnesota	1,835	1,550	1,380	3.19	2.97	2.73
Missouri	2,920	3,060	3,170	2.17	2.02	1.81
Nebraska	2,400	2,535	2,730	2.44	2.42	2.59
New York	1,850	1,800	1,740	2.25	2.73	3.01
Ohio	1,025	1,060	1,035	2.73	2.72	2.66
Pennsylvania	1,640	1,795	1,465	2.78	2.92	2.77
South Dakota	3,110	3,020	3,330	1.83	1.60	1.83
Texas	4,716	4,655	4,845	2.60	2.20	1.84
Vermont	310	290	295	2.72	3.47	3.76
Washington	870	815	830	4.23	4.35	4.07
Wisconsin	2,400	2,170	2,210	3.59	3.52	2.93
17 State Total	31,191	30,855	30,540	2.89	2.76	2.61

State	Production		
	2016	2017	2018
	1,000 tons	*1,000 tons*	*1,000 tons*
California	8,053	8,052	7,053
Idaho	5,905	5,587	5,516
Illinois	1,640	1,783	1,417
Iowa	3,750	3,619	3,289
Kansas	6,656	5,949	5,140
Michigan	3,518	3,006	2,729
Minnesota	5,852	4,597	3,763
Missouri	6,342	6,193	5,737
Nebraska	5,866	6,125	7,084
New York	4,165	4,913	5,233
Ohio	2,803	2,878	2,757
Pennsylvania	4,556	5,242	4,065
South Dakota	5,680	4,827	6,110
Texas	12,257	10,236	8,910
Vermont	844	1,006	1,110
Washington	3,679	3,542	3,382
Wisconsin	8,607	7,643	6,479
17 State Total	90,173	85,198	79,774

[1] All forage production is the sum of the following dry equivalents: alfalfa hay harvested as dry hay, all other hay harvested as dry hay, alfalfa haylage and greenchop, all other hay haylage and greenchop; after converting alfalfa and all other haylage and greenchop to a dry equivalent basis.

Table 6-9.—All alfalfa forage: Area harvested, yield, and production, by State and 17 State total, 2016–2018 [1]

State	Area harvested			Yield		
	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*Tons*	*Tons*	*Tons*
California	800	740	670	6.68	6.71	6.75
Idaho	1,030	1,090	1,080	4.90	4.18	4.43
Illinois	240	245	260	4.22	4.45	3.47
Iowa	620	770	655	4.38	3.67	3.84
Kansas	720	585	620	4.35	3.72	3.54
Michigan	830	780	780	3.64	3.23	2.94
Minnesota	1,285	1,040	850	3.67	3.52	3.13
Missouri	240	310	290	3.31	2.51	2.68
Nebraska	790	870	870	4.20	3.98	4.26
New York	650	700	650	3.16	3.73	3.95
Ohio	405	410	390	3.69	3.60	3.66
Pennsylvania	540	645	465	3.71	3.59	3.65
South Dakota	1,740	1,580	1,800	2.05	1.78	2.21
Texas	136	125	145	5.24	4.47	5.52
Vermont	50	50	45	5.06	4.24	4.27
Washington	440	425	355	5.33	5.32	4.72
Wisconsin	1,950	1,700	1,590	3.80	3.83	3.29
17 State Total	12,466	12,065	11,515	3.92	3.71	3.64

State	Production		
	2016	2017	2018
	1,000 tons	*1,000 tons*	*1,000 tons*
California	5,346	4,968	4,523
Idaho	5,043	4,561	4,788
Illinois	1,012	1,090	902
Iowa	2,714	2,828	2,514
Kansas	3,129	2,176	2,194
Michigan	3,020	2,523	2,290
Minnesota	4,715	3,665	2,657
Missouri	795	779	778
Nebraska	3,318	3,463	3,704
New York	2,055	2,611	2,566
Ohio	1,495	1,476	1,428
Pennsylvania	2,002	2,316	1,698
South Dakota	3,566	2,807	3,985
Texas	713	559	801
Vermont	253	212	192
Washington	2,345	2,263	1,676
Wisconsin	7,406	6,519	5,239
17 State Total	48,927	44,816	41,935

[1] All alfalfa forage production is the sum of alfalfa harvested as dry hay; and alfalfa haylage and greenchop production after converting it to a dry equivalent basis.

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Table 6-10.—All haylage and greenchop: Area harvested, yield, and production, by State and 17 State total, 2016–2018 [1]

State	Area harvested			Yield		
	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*Tons*	*Tons*	*Tons*
California	260	265	250	9.83	12.70	11.10
Idaho	125	100	105	12.60	9.30	9.57
Illinois	40	53	38	7.25	7.23	5.74
Iowa	135	100	80	8.10	7.12	7.36
Kansas	130	135	120	6.46	7.15	6.42
Michigan	285	275	285	8.24	7.48	6.51
Minnesota	390	250	220	7.32	6.48	6.31
Missouri	130	90	155	4.31	4.68	4.29
Nebraska	50	50	40	6.02	6.88	5.05
New York	680	660	710	5.59	6.94	7.09
Ohio	135	205	135	4.97	5.00	6.00
Pennsylvania	470	475	410	6.30	6.53	6.54
South Dakota	80	105	120	6.44	4.32	5.44
Texas	147	199	145	7.48	7.00	7.48
Vermont	170	180	185	5.94	7.22	8.14
Washington	67	125	119	10.13	9.20	10.50
Wisconsin	1,310	1,190	1,120	7.23	7.01	6.37
17 State Total	4,604	4,457	4,237	7.09	7.21	6.99

State	Production		
	2016	2017	2018
	1,000 tons	*1,000 tons*	*1,000 tons*
California	2,556	3,365	2,774
Idaho	1,575	930	1,005
Illinois	290	383	218
Iowa	1,093	712	589
Kansas	840	965	770
Michigan	2,348	2,057	1,856
Minnesota	2,856	1,620	1,388
Missouri	560	421	665
Nebraska	301	344	202
New York	3,804	4,578	5,035
Ohio	671	1,026	810
Pennsylvania	2,959	3,101	2,683
South Dakota	515	454	653
Texas	1,099	1,393	1,085
Vermont	1,010	1,300	1,505
Washington	679	1,150	1,249
Wisconsin	9,470	8,337	7,132
17 State Total	32,626	32,136	29,619

[1] Includes all types of forage harvested as haylage or greenchop (green weight). Forage harvested as dry hay and corn and sorghum silage/greenchop are not included.

NASS, Crops Branch, (202) 720–2127.

Table 6-11.—Alfalfa haylage and greenchop: Area harvested, yield, and production, by State and 17 State total, 2016–2018

State	Area harvested			Yield		
	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*Tons*	*Tons*	*Tons*
California	100	70	80	6.20	6.00	6.20
Idaho	100	65	85	13.00	10.00	9.00
Illinois	25	33	24	9.30	9.00	6.50
Iowa	95	80	55	8.60	7.80	8.10
Kansas	30	25	20	8.00	10.00	6.00
Michigan	250	240	260	8.90	7.90	6.80
Minnesota	350	220	180	7.60	6.90	6.80
Missouri	20	20	35	6.00	6.00	7.50
Nebraska	25	20	25	6.50	6.70	4.00
New York	400	410	450	6.50	7.75	8.30
Ohio	90	120	90	5.70	6.00	7.70
Pennsylvania	275	265	250	7.00	7.50	6.70
South Dakota	50	50	75	6.70	3.80	6.00
Texas	7	9	5	7.00	7.00	7.00
Vermont	40	40	45	9.00	8.00	7.00
Washington	22	50	24	10.00	9.50	8.50
Wisconsin	1,150	1,050	1,000	7.40	7.30	6.70
17 State Total	3,029	2,767	2,703	7.56	7.41	7.08

State	Production		
	2016	2017	2018
	1,000 tons	*1,000 tons*	*1,000 tons*
California	620	420	496
Idaho	1,300	650	765
Illinois	233	297	156
Iowa	817	624	446
Kansas	240	250	120
Michigan	2,225	1,896	1,768
Minnesota	2,660	1,518	1,224
Missouri	120	120	263
Nebraska	163	134	100
New York	2,600	3,178	3,735
Ohio	513	720	693
Pennsylvania	1,925	1,988	1,675
South Dakota	335	190	450
Texas	49	63	35
Vermont	360	320	315
Washington	220	475	204
Wisconsin	8,510	7,665	6,700
17 State Total	22,890	20,508	19,145

NASS, Crops Branch, (202) 720–2127.

Table 6-12.—Hay: Supply and disappearance, prices, and number of animal units fed annually, United States, 2009–2018 [1]

Year beginning May	Farm carryover May 1	Production	Total supply	Disappearance	Roughage-consuming animal units	Supply per animal unit	Disappearance per animal unit	Price received per ton
	Million tons	*Million tons*	*Million tons*	*Million tons*	*Million tons*	*Tons*	*Tons*	*Dollars*
2009 [2]	22.1	146.6	170.0	148.8	70	2.41	2.11	108
2010	20.9	143.5	166.0	143.7	69	2.39	2.07	114
2011	22.2	140.3	152.2	130.7	68	2.24	1.92	178
2012	21.4	126.1	138.7	124.3	68	2.05	1.84	191
2013	14.2	132.7	149.5	130.0	67	2.24	1.95	176
2014	19.2	137.0	159.4	134.6	67	2.36	2.00	172
2015	24.5	134.5	159.3	133.9	69	2.29	1.93	145
2016	25.1	133.8	160.1	135.5	71	2.26	1.91	129
2017	.....	.....	.....	.....	.....	.....	.....	142
2018	.....	.....	.....	.....	.....	.....	.....	164

[1] Excludes trade. [2] Beginning in 2009, supply includes imports.
ERS, Market and Trade Economics Division, (202) 694-5313.

Table 6-13.—Field seeds: Average retail price paid by farmers for seed, Mar. 15, United States, 2005–2014 [1]

Kind of seed	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	Price per 100 pounds									
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Alfalfa:										
Public and common ...	177.00	181.00	201.00	246.00	262.00	273.00	284.00	308.00	316.00	326.00
Proprietary	281.00	286.00	292.00	342.00	379.00	379.00	411.00	442.00	456.00	469.00
Clover, ladino	280.00	306.00	316.00	344.00	394.00	349.00	321.00	337.00	348.00	356.00
Clover, red	174.00	177.00	202.00	241.00	289.00	213.00	200.00	218.00	226.00	231.00
Lespedeza:										
Korean	79.30	87.00	126.00	184.00	127.00	105.00	123.00	248.00	263.00	277.00
Striate, Kobe	83.10	89.50	113.00	263.00	198.00	141.00	128.00	280.00	298.00	317.00
Sericea	220.00	181.00	[4]	[4]	[4]	[4]	[4]	[4]	[4]	[4]
Timothy	105.00	106.00	112.00	133.00	149.00	135.00	146.00	191.00	193.00	198.00
Orchardgrass	137.00	158.00	189.00	321.00	329.00	185.00	170.00	187.00	197.00	199.00
Bluegrass, Kentucky:										
Public and common ...	180.00	161.00	175.00	227.00	269.00	224.00	189.00	223.00	230.00	236.00
Proprietary, including Merion	235.00	224.00	232.00	251.00	326.00	284.00	259.00	260.00	266.00	270.00
Rye grass, annual	59.30	69.60	71.80	78.80	78.90	70.30	73.40	95.20	99.90	101.00
Tall fescue	100.00	124.00	146.00	158.00	143.00	99.00	102.00	146.00	147.00	150.00
Sudangrass	57.40	50.20	56.70	62.10	72.50	73.60	75.70	100.00	103.00	105.00
Potatoes	9.30	11.80	12.00	13.10	15.60	12.90	14.40	15.90	14.80	15.53
Peanuts	56.40	57.70	60.70	83.10	76.50	75.40	91.00	95.40	74.50	77.60
Sunflower	476.00	520.00	616.00	718.00	749.00	729.00	897.00	931.00	940.00	948.00
Cottonseed, all	309.00	356.00	408.00	455.00	521.00	570.00	684.00	702.00	735.00	734.00
Biotech [2]	390.00	443.00	500.00	525.00	609.00	648.00	702.00	754.00	739.00	789.00
Non-biotech	110.00	118.00	97.10	88.50	113.00	130.00	242.00	249.00	323.00	331.00
Grain sorghum, hybrid ..	114.00	116.00	120.00	142.00	161.00	165.00	162.00	203.00	207.00	212.00
Rice	20.80	27.30	30.20	33.50	48.60	48.90	49.80	50.60	60.30	68.10
	Price per bushel									
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Corn, hybrid, all [3]	111.00	118.00	133.00	165.00	217.00	229.00	237.00	258.00	274.00	283.00
Biotech [2 3]	131.00	137.00	154.00	184.00	235.00	247.00	249.00	268.00	285.00	293.00
Non-biotech [3]	93.40	95.10	100.00	115.00	139.00	152.00	163.00	182.00	197.00	197.00
Wheat, spring	7.30	7.60	8.40	20.50	11.80	10.00	14.20	15.20	15.60	16.20
Wheat, winter	9.06	9.32	10.60	14.80	16.00	13.70	15.40	17.50	18.00	18.40
Oats, spring	5.54	5.83	6.81	8.19	8.19	7.78	8.34	10.30	10.50	10.70
Barley, spring	6.72	6.58	7.18	10.10	9.78	8.52	10.30	13.10	13.90	13.90
Soybeans for seed, all ..	27.60	28.90	34.80	38.80	48.30	51.90	49.70	54.90	57.80	58.40
Biotech [2]	34.60	34.10	36.70	40.00	49.60	53.50	51.00	55.90	59.10	59.80
Non-biotech	19.10	21.10	20.50	26.30	33.70	33.90	33.50	38.80	40.50	40.70
Flaxseed	14.40	8.80	9.73	19.80	13.80	13.80	19.10	17.50	19.00	19.50

Note: Surveys discontinued after 2014.
[1] Beginning in 2009 program changed from April 15 to March 15. [2] Biotech varieties are made to be resistant to herbicides, insects, or both. A technology fee is included within the price. [3] Price per 80,000 kernels. [4] Estimate discontinued in 2007.
NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 6-14.—Beans, dry edible (clean basis): Production, by classes, United States, 2016–2018 [1]

Class	2016	2017	2018
	1,000 cwt	*1,000 cwt*	*1,000 cwt*
Navy (pea beans)	3,516	4,161	4,085
Great northern	845	1,403	1,186
Small white	(2)	171	155
Pinto	9,638	13,617	8,792
Red kidney, light	462	899	901
Red kidney, dark	1,126	1,099	1,529
Pink	307	332	396
Small red	657	438	707
Cranberry	65	185	246
Black	4,360	5,120	5,195
Large lima	300	255	234
Baby lima	209	204	275
Blackeye	572	437	521
Small chickpeas (Garbanzo)	1,938	1,969	3,270
Large chickpeas (Garbanzo)	3,509	5,088	9,472
Chickpeas, all (Garbanzo)	5,447	7,057	12,742
Other [2]	1,199	583	530
Total	28,703	35,961	37,494

[1] Excludes beans grown for garden seed. [2] Data are included in "Other" class to avoid disclosing data for individual operations.
NASS, Crops Branch, (202) 720–2127.

Table 6-15.—Beans, dry edible: Area, yield, and production, by State and United States, 2016–2018 [1]

State	Area planted			Area harvested		
	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*
California	50.0	50.0	48.0	49.0	49.7	47.7
Colorado	46.0	58.0	42.0	42.5	54.5	31.5
Idaho	140.0	180.0	185.0	137.0	178.0	183.0
Michigan	210.0	220.0	195.0	208.0	218.5	193.0
Minnesota	155.0	170.0	175.0	147.0	163.0	168.0
Montana	103.0	275.0	395.0	99.5	265.0	386.0
Nebraska	138.0	180.0	140.0	122.0	155.0	131.0
North Dakota	625.0	705.0	635.0	565.0	685.0	615.0
Texas	29.0	22.0	18.0	24.0	20.0	16.0
Washington	135.0	196.0	218.0	133.0	195.0	217.0
Wyoming	33.0	41.0	30.0	31.1	39.0	27.8
United States	1,664.0	2,097.0	2,081.0	1,558.1	2,022.7	2,016.0

State	Yield per acre (clean basis) [2]			Production (clean basis) [2]		
	2016	2017	2018	2016	2017	2018
	Pounds	Pounds	Pounds	*1,000 cwt*	*1,000 cwt*	*1,000 cwt*
California	2,330	2,100	2,500	1,141	1,045	1,191
Colorado	1,750	2,000	2,120	742	1,092	668
Idaho	1,920	1,610	1,710	2,624	2,873	3,127
Michigan	1,920	2,010	2,400	4,002	4,394	4,635
Minnesota	2,230	2,190	2,360	3,279	3,567	3,964
Montana	1,620	1,000	1,350	1,613	2,643	5,214
Nebraska	2,270	2,520	2,480	2,766	3,901	3,249
North Dakota	1,580	1,810	1,760	8,908	12,392	10,806
Texas	1,100	1,100	1,100	264	220	176
Washington	1,980	1,490	1,780	2,631	2,901	3,857
Wyoming	2,360	2,390	2,180	733	933	607
United States	1,842	1,778	1,860	28,703	35,961	37,494

[1] Excludes beans grown for garden seed. [2] Clean basis.
NASS, Crops Branch, (202) 720–2127.

Table 6-16.—Beans, dry edible: Area, yield, production, price, and value, United States, 2009–2018 [1]

Year	Area planted	Area harvested	Yield per acre [2]	Production [2]	Marketing year average price per 100 pounds received by farmers	Value of production
	1,000 acres	*1,000 acres*	*Pounds*	*1,000 cwt.*	*Dollars*	*1,000 dollars*
2009	1,540.0	1,464.0	1,737	25,427	30.00	790,250
2010	1,911.4	1,842.7	1,726	31,801	28.00	899,258
2011	1,217.9	1,167.9	1,703	19,890	42.10	851,131
2012	1,742.5	1,690.4	1,889	31,925	38.00	1,235,255
2013	1,361.8	1,315.0	1,868	24,567	39.10	982,385
2014	1,703.1	1,648.6	1,754	28,910	32.30	980,622
2015	1,766.7	1,708.4	1,759	30,057	27.30	866,222
2016	1,664.0	1,558.1	1,842	28,703	29.20	863,431
2017	2,097.0	2,022.7	1,778	35,961	26.70	1,006,353
2018	2,081.0	2,016.0	1,860	37,494	26.80	978,076

[1] Excludes beans grown for garden seed. [2] Clean basis.
NASS, Crops Branch, (202) 720–2127.

Table 6-17.—Beans, dry edible (clean basis): Marketing year average price and value of production, by Stateand United States, 2016–2018 [1]

States	Marketing year average price per cwt.			Value of production		
	2016	2017	2018 [1]	2016	2017	2018 [1]
	Dollars	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
California	63.10	61.20	61.30	71,997	63,954	73,008
Colorado	30.40	28.90	34.20	22,557	31,559	22,846
Idaho	27.30	27.80	23.40	71,635	79,869	73,172
Michigan	29.20	29.30	27.30	116,858	128,744	126,536
Minnesota	30.10	27.40	28.00	98,698	97,736	110,992
Montana	26.00	33.80	24.60	41,938	89,333	128,264
Nebraska	28.30	25.50	23.80	78,278	99,476	77,326
North Dakota	27.90	24.10	23.80	248,533	298,647	257,183
Texas	34.90	34.60	31.10	9,214	7,612	5,474
Washington	31.40	29.10	22.70	82,613	84,419	87,554
Wyoming	28.80	26.80	25.90	21,110	25,004	15,721
Other States [2]	-	-	-	-	-	-
United States	29.20	26.70	26.80	863,431	1,006,353	978,076

- Represents zero. [1] Preliminary. [2] Includes data withheld above.
NASS, Crops Branch, (202) 720–2127.

Table 6-18.—Beans, dry edible: Season average price [1] per 100 pounds, 2009–2018

Year beginning September	Lima	Garbanzo	Blackeye	Pinto	Great northern	Small red	Pea bean (Navy)	Black	Red kidney
	Dollars								
2009	43.98	39.18	45.12	39.45	41.57	43.32	40.37	41.57	43.56
2010	40.13	49.69	42.47	36.08	41.81	47.74	41.94	41.81	48.25
2011	57.88	58.42	69.57	62.72	54.75	61.25	58.61	54.75	69.30
2012	48.14	52.32	54.75	45.54	53.96	53.36	45.57	53.96	63.32
2013	53.45	40.63	55.19	45.76	(NA)	52.17	55.25	(NA)	68.88
2014	56.50	38.54	70.00	32.41	48.46	55.10	38.85	48.46	64.84
2015	58.75	45.20	70.00	33.14	32.47	39.80	32.19	32.47	38.37
2016	50.49	47.98	56.86	38.34	40.53	38.00	38.72	40.53	45.04
2017	58.08	63.67	65.62	31.05	33.79	37.25	34.40	33.79	44.67
2018	58.61	28.50	64.16	28.86	36.47	38.38	33.43	36.47	49.00

(NA) Not available. [1] Free-on-board (f.o.b.) dealer prices as reported by USDA, Bean Market News.
ERS, Specialty Crops Branch, (202) 694–5253. Compiled from the Bean Market Summary, Agricultural Marketing Service, U.S. Department of Agriculture, Greeley, Colorado.

Table 6-19.—Beans, dry edible: United States exports to specified countries, 2016–2018 [1]

Country	2016	2017	2018
	Metric tons		
Mexico	89,504	102,791	98,938
Canada	65,359	72,076	45,218
Italy(*)	25,944	47,082	38,875
United Kingdom	33,939	38,048	28,241
Dominican Republic	33,028	19,636	22,968
Colombia	9,804	6,348	9,759
Haiti	10,265	10,712	7,888
Japan	7,070	6,994	7,637
Panama	4,415	5,762	5,926
Guatemala	3,502	4,114	5,615
Spain	3,578	4,132	5,032
Australia(*)	5,127	6,382	4,846
France(*)	9,634	5,834	4,394
Germany(*)	2,573	2,701	4,009
Korea, South	1,705	5,877	3,901
El Salvador	2,959	3,043	3,850
Belgium-Luxembourg(*)	4,753	5,262	3,690
Peru	455	2,650	3,500
Netherlands	2,298	4,650	3,195
Jamaica	2,718	2,694	3,184
Costa Rica	3,221	7,630	2,476
Poland	751	1,398	2,397
United Arab Emirates	399	1,308	1,965
Philippines	822	864	1,710
Hungary	2,442	2,375	1,583
Chile	1,471	1,455	1,515
Vietnam	451	263	1,292
South Africa	6,094	2,839	1,245
Tanzania	2,060	0	1,157
French West Indies(*)	962	949	1,152
Rest of World	40,617	25,017	12,406
World Total	377,919	400,883	399,566

(*) Denotes a country that is a summarization of its component countries. [1] Excluding seed bean exports.
FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 6-20.—Chickpeas & lentils, dried: United States exports by class and quantity, 2016–2018 [1]

Country	2016	2017	2018
	Metric tons		
Dried chickpeas:			
Spain	14,059	20,631	19,686
Canada	13,840	29,348	15,163
Pakistan	7,036	18,780	14,744
India	8,911	17,130	4,230
Portugal	1,828	2,835	3,206
Peru	4,878	3,317	1,771
Algeria	3,485	6,302	1,688
Italy(*)	4,714	5,863	1,663
Lebanon	3,312	3,197	1,515
Turkey	7,544	12,348	1,271
Jordan	501	1,446	1,180
United Kingdom	306	1,281	1,135
Sri Lanka	1,857	2,757	1,122
United Arab Emirates	3,729	7,600	1,041
France(*)	368	2,545	927
New Zealand(*)	1,060	667	760
Japan	553	530	652
Taiwan	598	419	554
Israel(*)	1,363	620	545
Korea, South	820	766	526
Philippines	911	341	500
Egypt	164	576	485
China	322	527	474
Belgium-Luxembourg(*)	409	2,264	472
Dominican Republic	188	150	432
Colombia	914	1,816	263
Costa Rica	91	86	185
Trinidad and Tobago	139	429	163
Netherlands	254	392	162
Hong Kong	129	153	159
Rest of World	1,975	3,831	831
World Total	86,256	148,947	77,503
Dried lentils:			
Spain	32,085	33,869	22,216
Sudan(*)	10,846	5,988	20,339
Canada	60,737	55,774	15,617
Mexico	19,758	23,171	11,707
Peru	13,561	18,431	9,534
Colombia	10,323	31,974	8,967
India	61,897	22,885	8,740
China	786	1,580	5,960
Benin	99	4,175	3,668
Italy(*)	9,122	5,913	2,862
Greece	2,106	3,106	2,427
Belgium-Luxembourg(*)	3,404	3,108	1,244
Pakistan	4,990	4,152	1,215
Thailand	14	1,081	1,035
Dominican Republic	1,797	992	918
Turkey	7,914	5,166	838
Germany(*)	448	2,255	837
French Pacific Islands(*)	803	545	524
Netherlands	1,532	1,591	515
Leeward-Windward Islands(*)	744	634	495
Korea, South	1,056	147	490
Philippines	677	240	486
United Arab Emirates	4,679	4,884	414
Ecuador	962	1,623	328
Bangladesh	0	92	276
France(*)	99	769	243
Algeria	1,542	1,635	240
Laos	0	170	240
Mali	206	220	219
Georgia	0	0	139
Rest of World	9,756	9,861	1,179
World Total	261,942	246,028	123,911

(*) Denotes a country that is a summarization of its component countries. [1] Excluding seed pea exports.
FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 6-21.—Peas, dry: United States exports to specified countries, 2016–2018 [1]

Country	2016	2017	2018
	Metric tons		
Yemen(*)	11,489	35,712	31,888
Tanzania	4,326	10,233	31,029
Ethiopia(*)	57,480	36,511	26,761
Peru	9,448	16,587	17,666
Philippines	9,376	16,535	16,791
India	208,945	45,857	15,421
Canada	14,805	16,909	14,847
China	61,198	58,550	14,023
Djibouti	12,859	22,230	12,884
Kenya	7,196	14,591	11,730
Mexico	6,638	9,155	10,710
South Africa	5,736	12,950	7,297
Somalia	3,055	5,075	6,474
Cameroon	8,736	5,594	4,381
Taiwan	2,623	2,908	2,859
Saudi Arabia	2,663	47	2,657
Sudan(*)	1,795	6,493	2,507
Togo	3,825	1,492	1,994
Pakistan	14,923	1,894	1,340
Vietnam	644	625	935
Colombia	5,351	2,630	897
Thailand	334	904	701
Spain	2,806	896	641
Chile	89	547	577
Belgium-Luxembourg(*)	343	473	485
Bangladesh	730	540	460
Sri Lanka	957	448	457
Israel(*)	493	329	451
Cote d'Ivoire	447	447	450
Turkey	3,139	3,066	411
Rest of World	43,314	13,243	4,401
World Total	505,764	343,472	244,126

(*) Denotes a country that is a summarization of its component countries. [1] Excluding seed pea exports.
FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 6-22.—Hops: Area, yield, production, price, value, and Sept. 1 stocks, United States, 2009–2018

Year	Area harvested	Yield per acre	Production	Marketing year average price per pound received by farmers	Value of production	Stocks Sept. 1	Stocks Mar. 1
	1,000 acres	*Pounds*	*1,000 pounds*	*Dollars per pound*	*1,000 dollars*	*1,000 pounds*	*1,000 pounds*
2009	39.7	2,383	94,678	3.57	337,874	65,000	82,000
2010	31.3	2,093	65,493	3.28	214,589	83,000	102,000
2011	29.8	2,175	64,782	3.14	203,378	87,000	121,000
2012	29.7	1,985	58,911	3.17	186,876	96,000	120,000
2013	35.3	1,962	69,246	3.35	232,308	(NA)	115,000
2014	38.0	1,868	70,996	3.67	260,627	90,000	121,000
2015	43.6	1,807	78,846	4.38	345,388	83,000	119,000
2016	50.9	1,713	87,140	5.72	498,420	85,000	128,000
2017	53.9	1,956	105,622	5.60	591,375	98,000	140,000
2018	55.0	1,943	106,907	5.46	583,444	113,000	169,000

(NA) Not available.
NASS, Crops Branch, (202) 720–2127.

Table 6-23.—Hops: Area, yield, and production, by State and United States, 2016–2018

State	Area harvested			Yield per acre			Production		
	2016	2017	2018	2016	2017	2018	2016	2017	2018
	1,000 acres	*1,000 acres*	*1,000 acres*	*Pounds*	*Pounds*	*Pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*
Idaho	5,648	7,125	8,140	1,646	1,974	1,995	9,297.7	14,067.3	16,242.8
Oregon	7,765	8,216	7,725	1,596	1,518	1,675	12,395.3	12,470.4	12,936.2
Washington	37,444	38,648	39,170	1,748	2,046	1,984	65,446.6	79,083.8	77,727.7
United States ...	50,857	53,989	55,035	1,713	1,956	1,943	87,139.6	105,621.5	106,906.7

NASS, Crops Branch, (202) 720–2127.

Table 6-24.—Hops: Marketing year average price and value of production, by State and United States, 2016–2018

State	Marketing year average price per pound			Value of production		
	2016	2017	2018	2016	2017	2018
	Dollars	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Idaho	5.50	5.00	5.30	51,137	70,337	86,087
Oregon	5.25	5.00	5.40	65,075	62,352	69,855
Washington	5.84	5.80	5.50	382,208	458,686	427,502
United States ...	5.72	5.60	5.46	498,420	591,375	583,444

NASS, Crops Branch, (202) 720–2127.

Table 6-25.—Hops: United States exports by country of destination and imports by country of origin, 2016–2018

Country	2016	2017	2018
	Metric tons		
Belgium-Luxembourg(*)	1,212	1,636	2,519
United Kingdom	2,971	3,392	2,092
Germany(*)	1,233	1,284	1,754
Canada	1,402	1,386	1,748
Brazil	802	1,001	1,489
China	669	764	1,472
Mexico	918	822	923
Australia(*)	460	595	869
Argentina	227	542	593
Colombia	619	678	593
Japan	694	609	448
Vietnam	107	135	270
Korea, South	190	385	254
Peru	239	293	251
Philippines	231	97	190
Chile	91	44	155
Hong Kong	278	125	125
India	97	64	124
South Africa	102	107	113
New Zealand(*)	64	88	100
Russia	223	188	98
Ecuador	67	64	97
Dominican Republic	115	115	96
Panama	20	55	69
Guatemala	69	45	48
Venezuela	48	20	43
Taiwan	7	3	34
Turkey	13	21	32
Bolivia	35	28	29
Angola	0	1	26
Rest of World	488	566	406
World Total	13,692	15,152	17,058

(*) Denotes a country that is a summarization of its component countries.
FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data

CHAPTER VII

STATISTICS OF CATTLE, HOGS, AND SHEEP

This chapter contains information about most kinds of farm livestock and livestock products, with the exception of dairy and poultry. The information relates to inventories, production, disposition, prices, and income for farm animals, and to livestock slaughter, meat production, and market statistics for meat animals.

Table 7-1.—All cattle and calves: Inventory, and value, United States, Jan. 1, 2009-2018

Year	Inventory	Value	
		Per head	Total
	Thousands	*Dollars*	*1,000 dollars*
2009	94,721	872	82,628,170
2010	94,081	833	78,335,410
2011	92,887	947	87,988,337
2012	91,160	1,111	101,252,540
2013	90,095	1,139	101,731,742
2014	88,243	1,223	107,921,189
2015	89,173	1,584	141,250,032
2016	91,888	1,410	129,562,080
2017	93,625	1,109	103,829,681
2018	94,298	1,146	108,065,508

NASS, Livestock Branch, (202) 720–3570.

Table 7-2.—All cattle and calves: Number by class, United States, Jan. 1, 2009–2018

Year	All cattle and calves [1]	Cows and heifers that have calved		500 pounds and over					Calves under 500 pounds
				Heifers			Steers	Bulls	
		Beef cows	Milk cows	Beef cow replacements	Milk cow replacements	Other			
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Thousands*
2009	94,721	31,794	9,333	5,550	4,410	9,644	16,809	2,188	14,994
2010	94,081	31,440	9,087	5,443	4,551	9,784	16,568	2,190	15,019
2011	92,887	30,913	9,156	5,135	4,577	9,938	16,394	2,165	14,610
2012	91,160	30,282	9,236	5,281	4,618	9,546	15,957	2,100	14,141
2013	90,095	29,631	9,221	5,429	4,546	9,281	15,931	2,074	13,983
2014	88,243	28,956	9,208	5,556	4,539	8,824	15,623	2,038	13,498
2015	89,173	29,332	9,312	6,086	4,710	8,469	15,630	2,109	13,523
2016	91,888	30,164	9,312	6,335	4,814	8,753	16,305	2,137	14,067
2017	93,625	31,170	9,369	6,363	4,754	8,995	16,374	2,244	14,356
2018	92,298	31,466	9,432	6,108	4,768	9,314	16,528	2,252	14,401

[1] Totals may not add due to rounding.
NASS, Livestock Branch, (202) 720–3570.

Table 7-3.—All cattle and calves: Inventory and value, by State and United States, Jan. 1, 2017–2018

State	Inventory		Value			
	2017	2018	Value per head		Total value	
			2017	2018	2017	2018
	Thousands	*Thousands*	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*
Alabama	1,300.0	1,340.0	930	930	1,209,000	1,246,200
Alaska	13.0	15.0	1,220	1,280	15,860	19,200
Arizona	990.0	1,020.0	1,080	1,100	1,069,200	1,122,000
Arkansas	1,750.0	1,760.0	910	1,010	1,592,500	1,777,600
California	5,150.0	5,200.0	1,220	1,230	6,283,000	6,396,000
Colorado	2,850.0	2,850.0	1,230	1,230	3,505,500	3,505,500
Connecticut	48.0	50.0	1,290	1,210	61,920	60,500
Delaware	16.0	17.0	1,130	1,080	18,080	18,360
Florida	1,700.0	1,630.0	1,130	1,100	1,921,000	1,793,000
Georgia	1,100.0	1,060.0	930	950	1,023,000	1,007,000
Hawaii	142.0	144.0	740	750	105,080	108,000
Idaho	2,370.0	2,420.0	1,200	1,250	2,844,000	3,025,000
Illinois	1,210.0	1,150.0	1,140	1,220	1,379,400	1,403,000
Indiana	880.0	860.0	1,090	1,070	959,200	920,200
Iowa	3,900.0	4,000.0	1,160	1,200	4,524,000	4,800,000
Kansas	6,400.0	6,300.0	1,050	1,110	6,720,000	6,993,000
Kentucky	2,170.0	2,160.0	890	960	1,931,300	2,073,600
Louisiana	780.0	820.0	1,040	1,090	811,200	893,800
Maine	84.0	81.0	1,210	1,190	101,640	96,390
Maryland	186.0	193.0	1,060	1,070	197,160	206,510
Massachusetts	38.0	38.0	1,110	1,130	42,180	42,940
Michigan	1,180.0	1,160.0	1,200	1,140	1,416,000	1,322,400
Minnesota	2,410.0	2,350.0	1,060	1,080	2,554,600	2,538,000
Mississippi	890.0	930.0	950	950	845,500	883,500
Missouri	4,300.0	4,350.0	1,030	1,060	4,429,000	4,611,000
Montana	2,650.0	2,550.0	1,230	1,350	3,259,500	3,442,500
Nebraska	6,450.0	6,800.0	1,190	1,260	7,675,500	8,568,000
Nevada	445.0	465.0	1,150	1,270	511,750	590,550
New Hampshire	35.0	36.0	1,230	1,160	43,050	41,760
New Jersey	28.0	29.0	1,140	1,160	31,920	33,640
New Mexico	1,410.0	1,510.0	1,310	1,310	1,847,100	1,978,100
New York	1,500.0	1,480.0	1,150	1,130	1,725,000	1,672,400
North Carolina	830.0	800.0	900	900	747,000	720,000
North Dakota	1,820.0	1,860.0	1,330	1,450	2,420,600	2,697,000
Ohio	1,300.0	1,300.0	1,080	1,090	1,404,000	1,417,000
Oklahoma	5,000.0	5,100.0	1,080	1,100	5,400,000	5,610,000
Oregon	1,320.0	1,270.0	1,130	1,210	1,491,600	1,536,700
Pennsylvania	1,620.0	1,620.0	1,080	1,060	1,749,600	1,717,200
Rhode Island	4.6	5.0	1,180	1,280	5,428	6,400
South Carolina	340.0	340.0	940	960	319,600	326,400
South Dakota	3,850.0	4,000.0	1,240	1,350	4,774,000	5,400,000
Tennessee	1,830.0	1,830.0	910	940	1,665,300	1,720,200
Texas	12,300.0	12,500.0	1,030	1,080	12,669,000	13,500,000
Utah	820.0	790.0	1,180	1,270	967,600	1,003,300
Vermont	260.0	260.0	1,290	1,270	335,400	330,200
Virginia	1,520.0	1,480.0	950	940	1,444,000	1,391,200
Washington	1,150.0	1,160.0	1,150	1,200	1,322,500	1,392,000
West Virginia	405.0	395.0	930	1,000	376,650	395,000
Wisconsin	3,550.0	3,500.0	1,240	1,140	4,402,000	3,990,000
Wyoming	1,330.0	1,320.0	1,250	1,330	1,662,500	1,755,600
United States	93,624.6	94,298.0	1,109	1,146	103,829,681	108,065,508

NASS, Livestock Branch, (202) 720–3570.

Table 7-4.—Cattle and calves, Jan. 1: Number by class, State and United States, 2018–2019

State	Cows and heifers that have calved				Heifers, 500 pounds and over					
	Beef cows		Milk cows		Beef cow replacements		Milk cow replacements		Other	
	2018	2019	2018	2019	2018	2019	2018	2019	2018	2019
	1,000 head	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*
Alabama	714.0	705.0	6.0	5.0	125.0	121.0	3.0	2.0	37.0	32.0
Alaska	6.1	6.8	0.3	0.2	1.4	1.4	0.1	0.1	0.5	0.7
Arizona	200.0	215.0	210.0	205.0	36.0	35.0	105.0	115.0	29.0	20.0
Arkansas	924.0	935.0	6.0	5.0	160.0	156.0	4.0	4.0	71.0	75.0
California	670.0	650.0	1,740.0	1,730.0	125.0	125.0	780.0	760.0	175.0	205.0
Colorado	812.0	797.0	168.0	178.0	175.0	170.0	100.0	110.0	550.0	560.0
Connecticut	5.0	4.5	20.0	19.5	2.0	1.5	9.5	9.0	1.5	1.5
Delaware	2.5	2.0	5.0	4.5	0.7	0.6	2.0	1.6	0.4	0.3
Florida	886.0	914.0	124.0	116.0	115.0	130.0	40.0	35.0	30.0	25.0
Georgia	485.0	499.0	85.0	81.0	95.0	90.0	25.0	30.0	25.0	30.0
Hawaii	75.0	75.5	2.0	1.5	12.0	11.5	1.0	1.0	5.0	5.0
Idaho	510.0	506.0	600.0	614.0	120.0	110.0	310.0	340.0	210.0	220.0
Illinois	397.0	415.0	93.0	85.0	70.0	70.0	47.0	45.0	98.0	95.0
Indiana	208.0	209.0	187.0	181.0	50.0	45.0	75.0	80.0	45.0	50.0
Iowa	950.0	950.0	220.0	220.0	165.0	160.0	135.0	125.0	550.0	560.0
Kansas	1,504.0	1,529.0	156.0	161.0	280.0	280.0	140.0	170.0	1,490.0	1,420.0
Kentucky	1,033.0	1,017.0	57.0	53.0	145.0	130.0	45.0	45.0	115.0	130.0
Louisiana	473.0	459.0	12.0	11.0	90.0	83.0	4.0	4.0	20.0	23.0
Maine	10.0	11.0	30.0	29.0	4.0	3.0	15.0	14.0	3.0	3.0
Maryland	46.0	50.0	47.0	44.0	12.0	13.0	28.0	30.0	10.0	8.0
Massachusetts	6.5	7.0	11.5	10.5	2.0	2.0	7.0	6.5	1.0	1.0
Michigan	102.0	108.0	428.0	422.0	24.0	25.0	176.0	160.0	30.0	40.0
Minnesota	365.0	370.0	455.0	450.0	100.0	95.0	290.0	255.0	175.0	170.0
Mississippi	501.0	477.0	9.0	8.0	92.0	90.0	7.0	5.0	40.0	40.0
Missouri	2,086.0	2,059.0	84.0	81.0	355.0	345.0	40.0	40.0	205.0	205.0
Montana	1,497.0	1,448.0	13.0	12.0	390.0	380.0	7.0	8.0	223.0	232.0
Nebraska	1,910.0	1,941.0	60.0	59.0	375.0	365.0	15.0	15.0	1,520.0	1,530.0
Nevada	238.0	242.0	32.0	33.0	42.0	42.0	12.0	11.0	30.0	29.0
New Hampshire	4.5	4.0	12.5	12.0	1.5	1.3	7.0	6.5	0.5	0.7
New Jersey	9.0	9.5	6.0	5.5	2.1	2.5	3.2	3.3	1.2	0.7
New Mexico	483.0	480.0	332.0	325.0	105.0	95.0	130.0	125.0	95.0	85.0
New York	105.0	100.0	625.0	625.0	45.0	40.0	350.0	335.0	50.0	50.0
North Carolina	370.0	367.0	45.0	43.0	63.0	60.0	17.0	20.0	22.0	20.0
North Dakota	964.0	985.0	16.0	15.0	191.0	197.0	9.0	8.0	240.0	210.0
Ohio	296.0	307.0	264.0	253.0	70.0	70.0	121.0	125.0	59.0	55.0
Oklahoma	2,088.0	2,150.0	42.0	40.0	410.0	400.0	25.0	20.0	510.0	520.0
Oregon	536.0	545.0	124.0	125.0	95.0	110.0	70.0	65.0	100.0	115.0
Pennsylvania	215.0	225.0	525.0	505.0	60.0	65.0	310.0	290.0	60.0	55.0
Rhode Island	1.6	1.4	0.8	0.7	0.5	0.6	0.5	0.5	0.2	0.2
South Carolina	174.0	186.0	15.0	14.0	28.0	37.0	6.0	5.0	9.0	8.0
South Dakota	1,751.0	1,818.0	119.0	122.0	435.0	385.0	45.0	40.0	500.0	550.0
Tennessee	910.0	914.0	40.0	36.0	135.0	145.0	25.0	25.0	80.0	75.0
Texas	4,520.0	4,655.0	530.0	545.0	800.0	740.0	250.0	260.0	1,470.0	1,690.0
Utah	338.0	340.0	97.0	100.0	70.0	70.0	50.0	50.0	60.0	65.0
Vermont	15.0	14.0	128.0	126.0	5.0	4.5	57.0	55.0	6.0	6.5
Virginia	633.0	631.0	87.0	79.0	100.0	93.0	40.0	37.0	70.0	61.0
Washington	235.0	230.0	275.0	280.0	52.0	57.0	123.0	123.0	115.0	120.0
West Virginia	203.0	198.0	7.0	7.0	37.0	32.0	3.0	3.0	18.0	20.0
Wisconsin	285.0	290.0	1,275.0	1,270.0	80.0	80.0	700.0	680.0	50.0	60.0
Wyoming	714.0	714.0	6.0	6.0	160.0	160.0	4.0	4.0	136.0	126.0
United States	31,466.2	31,765.7	9,432.1	9,353.4	6,108.2	5,924.9	4,768.3	4,701.5	9,341.3	9,603.6

See footnote(s) at end of table.

Table 7-4.—Cattle and calves, Jan. 1: Number by class, State and United States, 2018–2019—Continued

State	Steers, 500 pounds and over		Bulls, 500 pounds and over		Calves under 500 pounds	
	2018	2019	2018	2019	2018	2019
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Thousands*
Alabama	40.0	45.0	50.0	45.0	45.0	345.0
Alaska	0.5	0.7	2.4	3.0	3.0	3.1
Arizona	275.0	295.0	20.0	20.0	20.0	115.0
Arkansas	110.0	115.0	60.0	60.0	60.0	430.0
California	620.0	600.0	70.0	70.0	70.0	1,010.0
Colorado	810.0	830.0	55.0	55.0	55.0	150.0
Connecticut	2.0	1.5	0.5	0.5	0.5	9.0
Delaware	2.1	2.6	0.3	0.4	0.4	3.0
Florida	20.0	20.0	55.0	60.0	60.0	380.0
Georgia	35.0	37.0	35.0	33.0	33.0	270.0
Hawaii	11.0	10.5	4.0	4.0	4.0	33.0
Idaho	310.0	320.0	40.0	40.0	40.0	350.0
Illinois	195.0	245.0	25.0	25.0	25.0	220.0
Indiana	104.0	110.0	16.0	17.0	17.0	188.0
Iowa	1,390.0	1,360.0	70.0	70.0	70.0	505.0
Kansas	2,020.0	2,010.0	95.0	95.0	95.0	685.0
Kentucky	195.0	225.0	70.0	70.0	70.0	460.0
Louisiana	23.0	27.0	31.0	30.0	30.0	163.0
Maine	4.0	4.0	1.5	1.5	1.5	12.5
Maryland	17.0	14.0	4.0	5.0	5.0	33.0
Massachusetts	2.0	2.0	1.0	1.0	1.0	7.0
Michigan	180.0	170.0	15.0	15.0	15.0	210.0
Minnesota	475.0	485.0	35.0	35.0	35.0	460.0
Mississippi	48.0	52.0	38.0	38.0	38.0	190.0
Missouri	410.0	385.0	120.0	125.0	125.0	1,010.0
Montana	210.0	240.0	105.0	100.0	100.0	80.0
Nebraska	2,480.0	2,380.0	110.0	110.0	110.0	400.0
Nevada	40.0	39.0	15.0	15.0	15.0	59.0
New Hampshire	2.0	1.5	0.5	0.5	0.5	6.5
New Jersey	2.1	2.5	1.0	1.0	1.0	5.0
New Mexico	130.0	130.0	40.0	35.0	35.0	205.0
New York	47.0	47.0	18.0	18.0	18.0	235.0
North Carolina	33.0	35.0	30.0	30.0	30.0	225.0
North Dakota	260.0	245.0	70.0	65.0	65.0	105.0
Ohio	210.0	215.0	30.0	30.0	30.0	255.0
Oklahoma	990.0	1,050.0	155.0	180.0	180.0	940.0
Oregon	145.0	160.0	40.0	40.0	40.0	160.0
Pennsylvania	130.0	135.0	25.0	25.0	25.0	300.0
Rhode Island	0.5	0.4	0.1	0.1	0.1	0.8
South Carolina	10.0	10.0	16.0	14.0	14.0	71.0
South Dakota	730.0	730.0	110.0	105.0	105.0	300.0
Tennessee	150.0	130.0	60.0	65.0	65.0	410.0
Texas	2,620.0	2,720.0	340.0	340.0	340.0	2,050.0
Utah	80.0	85.0	25.0	25.0	25.0	75.0
Vermont	4.0	4.0	3.0	3.0	3.0	42.0
Virginia	160.0	155.0	40.0	39.0	39.0	345.0
Washington	200.0	200.0	20.0	20.0	20.0	150.0
West Virginia	41.0	42.0	15.0	14.0	14.0	74.0
Wisconsin	380.0	360.0	30.0	30.0	30.0	680.0
Wyoming	175.0	150.0	40.0	40.0	40.0	100.0
United States	16,528.2	16,632.7	2,252.3	2,263.0	2,263.0	14,514.9

NASS, Livestock Branch, (202) 720–3570.

Table 7-5.—Cows and calf crop: Cows and heifers that have calved, Jan. 1, 2017–2018, and calves born, by State and United States, 2016–2017

State	Cows and heifers that have calved		Calves born	
	Jan. 1		2016	2017
	2017	2018		
	Thousands	*Thousands*	*Thousands*	*Thousands*
Alabama	680.0	700.0	580.0	630.0
Alaska	4.3	5.0	3.5	4.5
Arizona	375.0	380.0	295.0	310.0
Arkansas	900.0	920.0	760.0	790.0
California	2,370.0	2,410.0	1,960.0	1,880.0
Colorado	920.0	960.0	800.0	830.0
Connecticut	25.0	24.0	19.5	17.5
Delaware	7.5	7.5	6.0	7.0
Florida	1,030.0	1,030.0	800.0	790.0
Georgia	590.0	580.0	490.0	480.0
Hawaii	75.0	76.0	60.0	60.0
Idaho	1,090.0	1,100.0	940.0	960.0
Illinois	490.0	480.0	415.0	420.0
Indiana	380.0	395.0	335.0	340.0
Iowa	1,150.0	1,180.0	1,060.0	1,090.0
Kansas	1,630.0	1,720.0	1,330.0	1,430.0
Kentucky	1,080.0	1,080.0	970.0	990.0
Louisiana	455.0	460.0	345.0	370.0
Maine	40.0	41.0	30.0	30.0
Maryland	92.0	90.0	75.0	70.0
Massachusetts	18.0	18.0	17.0	17.0
Michigan	520.0	545.0	390.0	410.0
Minnesota	810.0	830.0	770.0	790.0
Mississippi	510.0	485.0	400.0	400.0
Missouri	1,990.0	2,140.0	1,750.0	1,960.0
Montana	1,500.0	1,500.0	1,470.0	1,480.0
Nebraska	1,910.0	1,980.0	1,650.0	1,700.0
Nevada	245.0	250.0	200.0	220.0
New Hampshire	18.5	18.5	13.5	13.5
New Jersey	14.5	14.0	10.0	9.5
New Mexico	730.0	790.0	550.0	630.0
New York	730.0	730.0	530.0	550.0
North Carolina	410.0	415.0	360.0	365.0
North Dakota	920.0	970.0	830.0	960.0
Ohio	550.0	550.0	460.0	490.0
Oklahoma	1,960.0	2,130.0	1,730.0	1,950.0
Oregon	650.0	670.0	620.0	630.0
Pennsylvania	700.0	710.0	570.0	600.0
Rhode Island	2.4	2.2	2.2	2.2
South Carolina	190.0	185.0	140.0	147.0
South Dakota	1,780.0	1,780.0	1,650.0	1,840.0
Tennessee	930.0	950.0	850.0	850.0
Texas	4,750.0	4,950.0	4,050.0	4,400.0
Utah	420.0	430.0	390.0	375.0
Vermont	144.0	143.0	110.0	105.0
Virginia	720.0	730.0	650.0	640.0
Washington	500.0	500.0	420.0	440.0
West Virginia	210.0	215.0	190.0	195.0
Wisconsin	1,550.0	1,570.0	1,380.0	1,430.0
Wyoming	710.0	720.0	660.0	660.0
United States	39,476.2	40,559.2	34,086.7	35,758.2

NASS, Livestock Branch, (202) 720–3570.

Table 7-6.—Cattle and calves: All cattle on feed, United States, Jan. 1, 2008–2017 [1]

Year	Inventory
	Thousands
2009	13,899.7
2010	13,727.6
2011	14,131.5
2012	14,355.3
2013	13,703.3
2014	12,949.3
2015	13,024.8
2016	13,156.7
2017	13,108.4
2018	14,146.0

[1] Cattle and calves on feed are steers and heifers for slaughter market being fed a ration of grain or other concentrates and are expected to produce a carcass that will grade select or better.

NASS, Livestock Branch, (202) 720–3570.

Table 7-7.—Cattle and calves: Total number on feed by State and United States, Jan. 1, 2017–2018

State	2017	2018
	1,000 head	*1,000 head*
Arizona	253.0	274.0
California	430.0	490.0
Colorado	940.0	1,000.0
Idaho	270.0	265.0
Illinois	260.0	220.0
Indiana	110.0	90.0
Iowa	1,200.0	1,300.0
Kansas	2,300.0	2,450.0
Kentucky	18.0	17.0
Maryland	9.0	9.0
Michigan	145.0	140.0
Minnesota	375.0	430.0
Missouri	110.0	80.0
Montana	45.0	45.0
Nebraska	2,470.0	2,800.0
Nevada	3.0	3.0
New York	20.0	22.0
North Dakota	50.0	58.0
Ohio	150.0	140.0
Oklahoma	310.0	330.0
Oregon	85.0	90.0
Pennsylvania	95.0	85.0
South Dakota	380.0	470.0
Texas	2,430.0	2,650.0
Utah	20.0	20.0
Virginia	20.0	18.0
Washington	190.0	215.0
West Virginia	4.0	4.0
Wisconsin	270.0	280.0
Wyoming	75.0	70.0
Other States [1]	71.4	81.0
United States	13,108.4	14,146.0

[1] Individual state estimates not available for states not shown, but are included in Other States.
NASS, Livestock Branch, (202) 720–3570.

Table 7-8.—Cattle: Average price per 100 pounds, by grades, at Nebraska Direct, Worthing, SD and Louisville, KY, 2009–2018

Year	Nebraska		Worthing, SD		Louisville, KY	
	Choice		Cows [1]		Cows	
	Steers [2]	Heifers [3]	Commercial	Breaking utility	Breaking utility	85-95% Lean
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
2009	82.70	82.71	53.94	54.32	46.61	37.95
2010	95.81	95.41	(NA)	61.49	53.98	41.70
2011	111.52	111.55	74.25	71.34	67.20	53.92
2012	123.11	124.18	83.95	78.90	76.55	62.71
2013	127.13	127.37	84.83	78.52	79.22	71.00
2014	154.03	154.67	108.79	109.08	105.26	83.56
2015	148.71	148.09	100.39	104.29	99.14	78.27
2016	117.74	119.69	82.14	76.40	(NA)	(NA)
2017	121.43	121.92	83.72	71.65	(NA)	(NA)
2018	116.42	117.62	79.15	68.45	(NA)	(NA)

(NA) Not available. [1] All weights; simple average of price range. [2] 1,100 to 1,500 pound weight range; weighted average of price range. [3] 1,000 to 1,300 pound weight range; simple average of price range.
AMS, Livestock and Grain Market News, (202) 720–7316.

Table 7-9.—Cattle and calves: Production, disposition, cash receipts, and gross income, United States, 2009-2018

Year	Calf crop [1]	Death loss		Marketings [2]		Inshipments [3]	Farm slaughter
		Cattle	Calves	Cattle	Calves		Cattle and calves
	1,000 head	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*
2009	35,939	1,741	2,323	43,369	8,530	19,550	167
2010	35,740	1,736	2,265	44,658	8,874	20,757	157
2011	35,357	1,787	2,230	44,875	8,401	20,357	148
2012	34,469	1,752	2,171	43,578	8,337	20,443	139
2013	33,630	1,730	2,140	43,453	7,996	19,965	128
2014	33,522	1,720	2,130	41,243	7,819	20,443	124
2015	34,087	1,736	2,144	40,487	7,397	20,508	116
2016	35,063	1,736	2,140	41,756	7,656	20,084	123
2017	35,758	1,784	2,144	43,644	7,777	20,380	116
2018	36,403	1,780	2,205	45,120	7,599	20,882	119

Year	Production (live weight) [4]	Value of production	Cash receipts [5]	Value of home consumption	Gross income [6]	Average price per 100 pounds received by farmers	
						Cattle	Calves
	1,000 pounds	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Dollars*	*Dollars*
2008	41,586,134	35,597,898	48,394,131	404,745	48,798,876	89.10	110.00
2009	41,033,359	31,897,074	43,720,324	368,285	44,088,609	80.30	105.00
2010	41,379,839	36,850,474	51,246,136	405,789	51,651,925	92.20	117.00
2011	41,483,945	45,059,200	62,321,217	478,871	62,800,088	113.00	142.00
2012	40,920,479	48,059,904	66,090,126	525,630	66,615,756	121.00	172.00
2013	40,781,761	48,595,712	67,849,440	509,175	68,358,615	125,00	181.00
2014	40,268,012	60,141,507	81,076,720	610,833	81,687,553	152.00	261.00
2015	41,503,073	60,080,918	78,252,807	588,216	78,841,023	147.00	247.00
2016	42,694,001	48,572,501	63,691,327	472,478	64,163,805	119.00	158.00
2017	44,197,461	50,398,374	66,936,726	455,988	67,392,714	120.10	168.00
2018	46,318,583	49,844,530	67,105,197	431,231	67,536,428	115.60	170.00

[1] Calves born during the year. [2] Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. [3] Includes cattle shipped in from other States, but excludes cattle for immediate slaughter. [4] Adjustments made for changes in inventory and for inshipments. [5] Receipts from marketings and sale of farm slaughter. [6] Cash receipts from sales of cattle, calves, beef, and veal plus value of cattle and calves slaughtered for home consumption.

NASS, Livestock Branch, (202) 720–3570.

Table 7-10.—Cattle: Weighted average weight and price per 100 pounds, Texas-Oklahoma, Kansas, Colorado, Nebraska, Iowa-So. Minnesota Feedlots, 2009–2018 [1]

Year	Steers SE/CH 65-80%			Steers SE/CH 35-65%		
	Price	Average Weight	Number of Head	Price	Average Weight	Number of Head
	Dollars	*Pounds*		*Dollars*	*Pounds*	
2009 ...	82.81	1,376	476,823	83.59	1,314	1,474,925
2010 ...	95.00	1,359	561,173	95.95	1,301	1,329,021
2011 ...	114.45	1,364	518,689	114.92	1,304	1,101,808
2012 ...	122.84	1,402	458,382	123.06	1,312	743,859
2013 ...	126.27	1,408	384,642	126.35	1,338	517,782
2014 ...	154.25	1,410	548,667	152.15	1,339	386,051
2015 ...	147.64	1,432	341,078	149.00	1,366	228,126
2016 ...	120.04	1,429	735,708	121.29	1,369	276,086
2017 ...	122.85	1,454	845,341	123.13	1,313	235,130
2018 ...	117.06	1,401	704,101	119.06	1,312	195,726

Year	Heifers SE/CH 65-80%			Heifers SE/CH 35-65%		
	Price	Average Weight	Number of Head	Price	Average Weight	Number of Head
	Dollars	*Pounds*		*Dollars*	*Pounds*	
2009 ...	82.88	1,252	498,481	83.63	1,180	1,136,234
2010 ...	95.41	1,227	562,788	96.22	1,166	1,159,191
2011 ...	114.05	1,222	508,487	114.64	1,167	928,633
2012 ...	123.38	1,255	412,483	123.31	1,173	577,535
2013 ...	126.09	1,266	320,285	126.36	1,198	335,205
2014 ...	154.37	1,279	322,272	152.18	1,204	218,658
2015 ...	148.20	1,289	220,073	147.73	1,235	97,078
2016 ...	120.99	1,288	400,528	121.67	1,231	103,739
2017 ...	122.87	1,251	404,560	123.25	1,194	86,001
2018 ...	117.74	1,247	353,713	118.80	1,206	73,320

[1] Sales FOB the feedyard. Estimated net weights after 3-4% shrink.

AMS, Livestock and Grain Market News, (202) 720–7316.

Table 7-11.—Cattle: Receipts at selected markets, 2009–2018

Year	Oklahoma City	Fort Collins	Amarillo	South St. Joseph	Sioux Falls
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Thousands*
2009	501	67	56	96	43
2010	492	63	74	105	153
2011	468	30	60	94	104
2012	399	72	43	121	153
2013	409	46	35	90	156
2014	382	42	37	86	140
2015	368	43	21	88	139
2016	368	51	34	91	179
2017	369	15	39	98	174
2018	388	31	26	91	139

AMS, Livestock & Grain Market News, (202) 720–7316.

Table 7-12.—Cattle and calves: Number slaughtered, United States, 2009–2018

Year	Cattle slaughter					Calf slaughter				
	Commercial			Farm	Total	Commercial			Farm	Total
	Federally inspected	Other	Total [1]			Federally inspected	Other	Total [1]		
	1,000 head									
2009 ...	32,765	573	33,338	132	33,470	930	14	944	35	979
2010 ...	33,702	547	34,249	124	34,373	864	14	879	33	912
2011 ...	33,555	532	34,087	119	34,205	839	14	853	30	882
2012 ...	32,426	525	32,951	112	33,062	760	12	772	27	800
2013 ...	31,947	515	32,462	103	32,565	751	11	762	26	788
2014 ...	29,682	486	30,168	98	30,266	558	8	566	26	591
2015 ...	28,296	455	28,752	92	28,844	446	7	453	24	476
2016 ...	30,114	464	30,578	98	30,676	480	8	488	25	513
2017 ...	31,704	485	32,189	91	32,281	503	9	512	25	537
2018 ...	32,518	487	33,005	95	33,100	571	9	580	23	604

[1] Totals are based on unrounded numbers.
NASS, Livestock Branch, (202) 720-3570.

Table 7-13.—Cattle and calves: Number slaughtered under Federal inspection, and average live weight, 2009–2018

Year	Cattle		Calves	
	Number slaughtered	Average live weight [1]	Number slaughtered	Average live weight [1]
	Thousands	*Pounds*	*Thousands*	*Pounds*
2009	32,765	1,296	930	248
2010	33,702	1,282	864	260
2011	33,555	1,280	839	260
2012	32,426	1,305	760	257
2013	31,947	1,317	751	248
2014	29,682	1,333	558	281
2015	28,296	1,364	446	309
2016	30,114	1,365	480	264
2017	31,704	1,351	512	248
2018	32,518	1,352	580	224

[1] Excludes postmortem condemnations.
NASS, Livestock Branch, (202) 720-3570.

Table 7-14.—Cattle and calves: Number slaughtered commercially, total and average live weight, by State and United States, 2018 [1]

State	Cattle			Calves		
	Number slaughtered	Total live weight [2]	Average live weight [2]	Number slaughtered	Total live weight [2]	Average live weight [2]
	Thousands	*1,000 pounds*	*Pounds*	*Thousands*	*1,000 pounds*	*Pounds*
Alabama	6.3	6,401	1,021	(Y)	(Y)	(Y)
Alaska	1.0	1,054	1,087	(Y)	(Y)	(Y)
Arizona	562.0	768,728	1,370	(D)	(D)	(D)
Arkansas	5.0	4,709	944	(D)	(D)	(D)
California	1,395.9	1,868,207	1,348	93.2	9,043	99
Colorado	2,510.6	3,449,850	1,375	(D)	(D)	(D)
Delaware-Maryland	39.2	52,873	1,348	(D)	(D)	(D)
Florida	(D)	(D)	(D)	0.7	294	423
Georgia	(D)	(D)	(D)	1.6	715	458
Hawaii	11.1	12,339	1,113	(D)	(D)	(D)
Idaho	419.2	542,759	1,309	31.7	2,803	89
Illinois	(D)	(D)	(D)	0.8	329	391
Indiana	35.1	40,414	1,152	(D)	(D)	(D)
Iowa	(D)	(D)	(D)	(D)	(D)	(D)
Kansas	6,741.7	9,091,067	1,349	0.4	143	402
Kentucky	25.7	27,375	1,068	(D)	(D)	(D)
Louisiana	5.7	4,661	813	(Y)	(Y)	(Y)
Michigan	564.6	785,875	1,402	1.3	381	304
Minnesota	(D)	(D)	(D)	(Y)	(Y)	(Y)
Mississippi	3.9	3,307	840	(Y)	(Y)	(Y)
Missouri	46.4	54,254	1,170	0.2	84	415
Montana	21.7	29,410	1,355	(Y)	(Y)	(Y)
Nebraska	7,452.2	10,483,983	1,408	(D)	(D)	(D)
Nevada	1.6	1,694	1,028	(D)	(D)	(D)
New England [3]	25.4	29,318	1,157	2.8	528	191
New Jersey	39.9	44,079	1,109	22.1	8,257	374
New Mexico	4.2	4,665	1,099	(Y)	(Y)	(Y)
New York	39.9	47,652	1,209	94.2	10,068	108
North Carolina	69.6	85,537	1,235	0.9	338	363
North Dakota	8.7	11,290	1,303	(D)	(D)	(D)
Ohio	61.1	79,492	1,301	161.2	24,567	153
Oklahoma	28.1	30,236	1,078	0.2	73	431
Oregon	23.5	27,430	1,174	(D)	(D)	(D)
Pennsylvania	1,075.9	1,305,134	1,217	98.8	41,613	421
South Carolina	173.5	211,664	1,226	(Y)	(Y)	(Y)
South Dakota	425.1	606,045	1,432	(Y)	(Y)	(Y)
Tennessee	32.8	31,597	984	0.2	81	408
Texas	5,841.1	7,553,229	1,297	2.6	1,105	422
Utah	668.0	898,334	1,347	(D)	(D)	(D)
Virginia	15.4	16,373	1,064	(D)	(D)	(D)
Washington	1,077.5	1,491,760	1,388	(D)	(D)	(D)
West Virginia	10.5	10,723	1,020	(D)	(D)	(D)
Wisconsin	1,341.9	1,851,906	1,388	57.0	27,414	482
Wyoming	5.4	6,036	1,114	(D)	(D)	(D)
United States	33,004.6	44,460,422	1,350	580.3	130,681	226

(D) Withheld to avoid disclosing data for individual operations. (Y) Less than level of precision shown. [1] Includes slaughter in federally inspected and other slaughter plants; excludes animals slaughtered on farms. Average live weight is based on unrounded numbers. Totals may not add due to rounding. [2] Excludes postmortem condemnations. [3] New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

NASS, Livestock Branch, (202) 720-3570.

Table 7-15.—Cattle and calves: Production, disposition, cash receipts, and gross income, by State and United States, 2018

State	Marketings [1]		Inshipments [2]	Farm slaughter [3]	Production (live weight) [4]	Value of production	Cash receipts [5]	Value of home consumption	Gross income [6]
	Cattle	Calves							
	1,000 head	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 pounds*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Alabama	534.0	97.0	20.0	2.0	645,629	485,533	523,645	2,817	526,462
Alaska	3.0	0.1	0.6	0.4	4,686	4,990	3,576	412	3,988
Arizona	597.3	100.2	420.0	1.5	568,068	606,499	848,149	2,208	850,357
Arkansas	613.0	227.0	130.0	1.0	528,300	415,498	480,348	3,682	484,030
California	2,102.0	306.0	715.0	7.0	2,410,595	2,493,531	3,189,177	9,838	3,199,015
Colorado	2,237.5	100.5	1,620.0	2.0	1,844,824	1,973,960	3,460,198	12,192	3,472,390
Connecticut	12.1	7.0	1.9	0.3	11,065	12,447	17,255	866	18,121
Delaware	5.9	1.9	0.5	0.1	5,811	6,069	7,497	631	8,128
Florida	228.0	515.5	33.0	1.5	463,511	505,949	507,755	3,168	510,923
Georgia	283.0	182.0	16.0	2.0	377,899	334,598	335,319	3,783	339,102
Hawaii	13.8	43.5	.....	0.2	34,610	44,857	45,781	454	46,235
Idaho	1,155.0	163.0	540.0	4.0	1,280,300	1,409,667	1,725,717	11,178	1,736,895
Illinois	349.0	84.0	110.0	7.0	491,980	594,198	595,677	18,401	614,078
Indiana	299.0	112.0	115.0	5.0	286,270	285,639	353,897	14,703	368,600
Iowa	2,472.0	101.0	1,590.0	2.0	2,188,064	2,565,893	4,074,878	14,683	4,089,561
Kansas	5,254.0	4.0	4,050.0	2.0	4,407,875	4,471,506	8,285,905	15,869	8,301,774
Kentucky	538.0	408.0	55.0	2.0	623,462	699,257	738,867	9,434	748,301
Louisana	136.5	220.5	10.0	1.0	200,058	226,414	234,660	1,769	236,429
Maine	15.5	14.3	2.0	0.3	15,989	17,511	20,514	1,662	22,176
Maryland	45.8	21.1	4.1	0.2	67,213	71,252	68,955	2,937	71,892
Massachusetts	7.6	8.0	0.8	0.2	7,602	8,213	9,482	636	10,118
Michigan	380.0	41.0	60.0	3.0	498,604	500,164	553,716	14,148	567,864
Minnesota	1,388.0	104.5	800.0	3.5	1,967,704	2,044,232	2,063,652	16,461	2,080,113
Mississippi	254.0	131.0	17.0	3.0	238,102	209,268	215,709	4,620	220,329
Missouri	1,130.0	878.0	155.0	7.0	1,533,727	1,976,083	2,170,559	25,034	2,195,593
Montana	1,371.0	150.5	125.0	3.5	1,110,654	1,225,900	1,365,683	12,325	1,378,008
Nebraska	6,382.0	82.0	4,920.0	1.0	5,606,672	5,305,675	10,583,711	13,066	10,596,777
Nevada	218.0	99.0	120.0	1.0	201,731	223,960	326,304	2,220	328,524
New Hampshire	6.9	6.7	0.6	0.5	7,195	8,257	9,696	1,798	11,494
New Jersey	3.7	5.1	1.2	0.4	5,916	6,926	5,804	1,657	7,461
New Mexico	850.5	66.0	337.0	0.5	606,097	661,189	919,041	2,318	921,359
New York	252.6	295.2	24.0	2.2	280,994	299,661	344,279	10,845	355,124
North Carolina	207.5	127.5	5.0	1.0	284,282	245,407	247,857	3,026	250,883
North Dakota	905.0	110.0	115.0	1.0	757,352	900,265	1,028,871	7,900	1,036,771
Ohio	454.0	21.0	50.0	5.0	558,550	564,869	575,463	24,768	600,231
Oklahoma	2,237.0	355.0	1,000.0	3.0	2,308,052	2,794,479	3,308,434	19,534	3,327,968
Oregon	464.0	191.0	150.0	5.0	573,000	652,063	701,269	11,784	713,053
Pennsylvania	376.0	218.1	46.0	6.9	473,179	525,831	586,422	18,520	604,942
Rhode Island	1.0	1.1	0.1	0.2	1,120	1,216	902	742	1,644
South Carolina	140.0	14.0	5.0	2.0	179,709	127,453	125,693	2,421	128,114
South Dakota	1,864.0	520.0	699.0	1.0	1,829,866	2,267,499	2,726,006	13,802	2,739,808
Tennessee	502.0	334.0	30.0	4.0	580,756	514,720	548,804	10,309	559,113
Texas	5,556.0	259.0	2,120.0	5.0	6,536,569	7,584,260	8,624,064	18,954	8,643,018
Utah	359.5	21.5	53.0	2.0	382,273	410,511	449,991	6,914	456,905
Vermont	36.2	61.3	3.4	0.9	50,781	59,784	65,525	3,114	68,639
Virginia	373.0	234.0	9.0	3.0	444,794	386,881	412,529	5,013	417,542
Washington	504.0	6.0	140.0	5.0	618,825	652,062	748,635	12,227	760,862
West Virginia	118.0	73.5	20.0	1.5	141,500	157,433	173,634	4,343	177,977
Wisconsin	1,060.5	375.3	163.0	4.2	1,510,049	1,619,719	1,752,726	27,994	1,780,720
Wyoming	824.5	101.0	280.0	0.5	566,719	685,282	942,966	4,051	947,017
United States	45,120.9	7,598.9	20,882.2	118.5	46,318,583	49,844,530	67,105,197	431,231	67,536,428

[1] Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. [2] Includes cattle shipped in from other states, but excludes cattle for immediate slaughter. [3] Excludes custom slaughter for farmers at commercial establishments. [4] Adjustments made for changes in inventory and for inshipments. [5] Includes receipts from marketings and sales of farm-slaughter. [6] Includes cash receipts from sales of cattle, calves, beef, and veal plus value of cattle and calves slaughtered for home consumption.

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Table 7-16.—Cattle and calves: Inventory Jan 1, 2017–2018, and number of operations, 2017, by State and United States [1]

State	January 1 Cattle inventory		Operations with cattle [2]
	2017	2018	2017
	1,000 head	*1,000 head*	*Number*
Alabama	1,300.0	1,340.0	22,046
Alaska	13.0	15.0	118
Arizona	990.0	1,020.0	7,057
Arkansas	1,750.0	1,760.0	25,372
California	5,150.0	5,200.0	13,694
Colorado	2,850.0	2,850.0	14,914
Connecticut	48.0	50.0	1,158
Delaware	16.0	17.0	301
Florida	1,700.0	1,630.0	21,469
Georgia	1,100.0	1,060.0	17,387
Hawaii	142.0	144.0	1,218
Idaho	2,370.0	2,420.0	10,076
Illinois	1,210.0	1,150.0	16,269
Indiana	880.0	860.0	17,014
Iowa	3,900.0	4,000.0	25,367
Kansas	6,400.0	6,300.0	26,740
Kentucky	2,170.0	2,160.0	38,657
Louisana	780.0	820.0	13,449
Maine	84.0	81.0	1,756
Maryland	186.0	193.0	3,322
Massachusetts	38.0	38.0	1,267
Michigan	1,180.0	1,160.0	12,221
Minnesota	2,410.0	2,350.0	20,969
Mississippi	890.0	930.0	15,980
Missouri	4,300.0	4,350.0	53,497
Montana	2,650.0	2,550.0	11,400
Nebraska	6,450.0	6,800.0	20,430
Nevada	445.0	465.0	1,621
New Hampshire	35.0	36.0	903
New Jersey	28.0	29.0	1,246
New Mexico	1,410.0	1,510.0	10,880
New York	1,500.0	1,480.0	12,796
North Carolina	830.0	800.0	18,413
North Dakota	1,820.0	1,860.0	8,777
Ohio	1,300.0	1,300.0	25,224
Oklahoma	5,000.0	5,100.0	52,048
Oregon	1,320.0	1,270.0	13,880
Pennsylvania	1,620.0	1,620.0	22,729
Rhode Island	4.6	5.0	214
South Carolina	340.0	340.0	7,868
South Dakota	3,850.0	4,000.0	13,928
Tennessee	1,830.0	1,830.0	37,288
Texas	12,300.0	12,500.0	152,882
Utah	820.0	790.0	8,026
Vermont	260.0	260.0	2,317
Virginia	1,520.0	1,480.0	21,880
Washington	1,150.0	1,160.0	11,311
West Virginia	405.0	395.0	11,774
Wisconsin	3,550.0	3,550.0	27,777
Wyoming	1,330.0	1,320.0	5,762
United States	93,624.6	94,298.0	882,692

[1] An operation is any place having one or more head of cattle on hand on December 31. [2] State level estimates only available in conjunction with the Census of Agriculture every 5 years.

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Table 7-17.—Cattle: Number slaughtered under Federal inspection and percentage distribution, by classes, 2009–2018 [1]

Year	Number						Percentage of total					
	Steers	Heifers	Cows			Bulls	Steers	Heifers	Cows			Bulls
			Dairy cows	Other cows	Total cows				Dairy cows	Other cows	Total cows	
	Thousands						*Percent*					
2009 ...	16,312	9,743	2,815	3,325	6,140	570	49.8	29.7	8.6	10.1	18.7	1.7
2010 ...	16,596	10,047	2,807	3,630	6,437	622	49.2	29.8	8.3	10.8	19.1	1.8
2011 ...	16,539	9,726	2,914	3,798	6,712	579	49.3	29.0	8.7	11.3	20.0	1.7
2012 ...	16,160	9,269	3,102	3,344	6,446	551	49.8	28.6	9.6	10.3	19.9	1.7
2013 ...	16,003	9,132	3,125	3,130	6,255	557	50.1	28.6	9.8	9.8	19.6	1.7
2014 ...	15,378	8,377	2,816	2,565	5,380	548	51.8	28.2	9.5	8.6	18.1	1.8
2015 ...	15,331	7,351	2,915	2,236	5,151	462	54.2	26.0	10.3	7.9	18.2	1.6
2016 ...	16,495	7,698	2,886	2,543	5,428	494	54.8	25.6	9.6	8.4	18.0	1.6
2017 ...	16,771	8,611	2,988	2,784	5,773	550	52.9	27.2	9.4	8.8	18.2	1.7
2018 ...	16,636	9,166	3,153	3,024	32,518	537	52.2	28.2	9.7	9.3	19.0	1.7

[1] Totals and percentages based on unrounded data and may not equal sum of classes due to rounding.
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Table 7-18.—Cattle and calves: Average dressed weight under Federal inspection, 2009–2018 [1]

Year	Cattle					Calves
	All cattle	Steers	Heifers	Cows	Bulls	
	Pounds					
2009	784	847	782	610	878	147
2010	773	835	768	607	875	154
2011	773	841	773	596	868	154
2012	790	859	792	608	877	152
2013	796	863	794	620	880	146
2014	808	872	800	627	898	166
2015	829	892	818	644	915	183
2016	829	891	822	643	901	155
2017	817	877	812	642	896	145
2018	818	880	817	645	889	130

[1] Excludes postmortem condemnations.
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Table 7-19.—Beef cows: Inventory Jan 1, 2017 and 2018, and number of operations, 2017, by State and United States [1]

State	January 1 beef cow inventory		Operations with beef cows [2]
	2017	2018	2017
	1,000 head	*1,000 head*	*Number*
Alabama	693.0	714.0	20,004.0
Alaska	4.7	6.1	92.0
Arizona	195.0	200.0	5,560.0
Arkansas	914.0	924.0	23,036.0
California	655.0	670.0	10,254.0
Colorado	803.0	812.0	12,407.0
Connecticut	5.0	5.0	860.0
Delaware	2.5	2.5	235.0
Florida	908.0	886.0	18,493.0
Georgia	497.0	485.0	14,869.0
Hawaii	73.6	75.0	1,047.0
Idaho	500.0	510.0	8,149.0
Illinois	387.0	397.0	13,139.0
Indiana	210.0	208.0	11,753.0
Iowa	965.0	950.0	19,171.0
Kansas	1,570.0	1,504.0	23,682.0
Kentucky	1,023.0	1,033.0	33,864.0
Louisana	448.0	473.0	12,051.0
Maine	11.0	10.0	1,141.0
Maryland	43.0	46.0	2,486.0
Massachusetts	6.5	6.5	879.0
Michigan	120.0	102.0	7,445.0
Minnesota	370.0	365.0	13,339.0
Mississippi	476.0	501.0	14,752.0
Missouri	2,035.0	2,086.0	48,122.0
Montana	1,486.0	1,497.0	10,290.0
Nebraska	1,920.0	1,910.0	17,707.0
Nevada	220.0	238.0	1,356.0
New Hampshire	5.0	4.5	602.0
New Jersey	8.0	9.0	941.0
New Mexico	445.0	483.0	8,991.0
New York	110.0	105.0	7,310.0
North Carolina	370.0	370.0	16,407.0
North Dakota	954.0	964.0	8,245.0
Ohio	288.0	296.0	17,733.0
Oklahoma	2,093.0	2,088.0	46,080.0
Oregon	546.0	536.0	11,548.0
Pennsylvania	185.0	215.0	13,176.0
Rhode Island	1.4	1.6	163.0
South Carolina	170.0	174.0	6,917.0
South Dakota	1,664.0	1,751.0	12,613.0
Tennessee	909.0	910.0	32,960.0
Texas	4,450.0	4,520.0	134,250.0
Utah	338.0	338.0	6,508.0
Vermont	14.0	15.0	1,399.0
Virginia	643.0	633.0	18,453.0
Washington	225.0	235.0	9,295.0
West Virginia	207.0	203.0	10,336.0
Wisconsin	290.0	285.0	13,954.0
Wyoming	714.0	714.0	4,982.0
United States	31,170.7	31,466.2	729,046.0

[1] An operation is any place having one or more beef cows on hand on December 31. [2] State level estimates only available in conjunction with the Census of Agriculture every 5 years.

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Table 7-20.—Hogs and pigs: Inventory and value, Dec. 1, 2017–2018, and number of operations, 2017, by State and United States

State	Inventory		Value				Operations [1]
	2017	2018	Value per head		Total value		2017
			2017	2018	2017	2018	
	Thousands	*Thousands*	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*	*Number*
Alabama	57.0	33.0	105	112	5,985	5,936	1,074
Alaska	1.5	1.9	220	221	330	420	64
Arizona	160.0	170.0	100	115	16,000	19,550	521
Arkansas	131.0	130.0	100	110	13,100	14,300	1,021
California	95.0	101.0	140	145	13,300	14,645	1,389
Colorado	750.0	750.0	100	110	75,000	82,500	1,227
Connecticut	3.2	3.7	140	145	448	537	214
Delaware	6.0	6.5	115	110	690	715	55
Florida	15.0	13.0	115	110	1,725	1,430	1,810
Georgia	80.0	72.0	98	100	7,840	6,700	1,091
Hawaii	8.0	9.0	165	170	1,320	1,530	226
Idaho	(D)	32.0	105	110	3,885	3,520	606
Illinois	5,400.0	5,300.0	101	97	545,400	514,100	2,153
Indiana	4,000.0	4,200.0	101	97	404,000	407,400	2,570
Iowa	22,800.0	23,300.0	101	96	2,302,800	2,236,800	5,660
Kansas	2,110.0	2,050.0	95	100	200,450	205,000	943
Kentucky	410.0	285.0	90	95	36,900	27,075	1,805
Louisiana	6.0	6.0	110	112	660	672	874
Maine	4.5	4.4	115	120	518	528	429
Maryland	21.0	19.0	115	120	2,415	2,280	562
Massachusetts	7.5	8.0	100	105	750	840	337
Michigan	1,190.0	1,180.0	99	95	117,810	112,100	2,017
Minnesota	8,500.0	8,900.0	100	96	850,000	854,400	3,225
Mississippi	570.0	575.0	104	108	59,376	62,100	784
Missouri	3,400.0	3,550.0	98	99	333,200	351,450	2,687
Montana	179.0	192.0	110	113	19,690	21,696	452
Nebraska	3,600.0	3,500.0	95	99	342,234	346,500	1,230
Nevada	3.0	6.0	120	121	360	726	70
New Hampshire	3.4	3.5	110	115	374	403	281
New Jersey	8.5	8.5	115	120	978	1,020	347
New Mexico	1.6	1.3	110	115	176	150	353
New York	48.0	46.0	100	105	4,800	4,830	1,739
North Carolina	9,000.0	9,100.0	86	91	774,000	828,100	2,426
North Dakota	147.0	145.0	100	103	14,700	14,935	156
Ohio	2,700.0	2,550.0	105	107	283,889	272,850	3,484
Oklahoma	2,200.0	2,200.0	110	120	242,000	264,000	2,264
Oregon	9.0	9.0	115	115	1,035	1,035	1,177
Pennsylvania	1,240.0	1,310.0	96	95	119,109	124,450	2,777
Rhode Island	2.0	1.7	115	120	230	204	60
South Carolina	185.0	210.0	90	96	16,650	19,200	1,005
South Dakota	1,560.0	1,740.0	102	100	158,781	174,000	571
Tennessee	235.0	225.0	95	91	22,400	20,020	1,898
Texas	1,050.0	1,110.0	110	115	115,500	127,650	5,894
Utah	550.0	710.0	100	105	55,000	74,550	561
Vermont	3.7	3.7	130	135	481	500	353
Virginia	240.0	345.0	92	94	22,080	32,430	1,461
Washington	(D)	17.0	110	115	1,870	1,955	1,126
West Virginia	5.0	4.0	110	112	550	448	892
Wisconsin	305.0	325.0	100	97	30,500	31,525	2,198
Wyoming	90.0	88.0	100	105	9,000	9,240	320
United States	73,144.9	74,550.2	99	98	7,230,288	7,298,943	66,439

(D) Withheld to avoid disclosing data for individual operations. [1] State level estimates only available in conjunction with the Census of Agriculture every 5 years. An operation is any place having one or more hogs and pigs on hand December 31. Totals may not add due to rounding.

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Table 7-21.—Hogs and pigs: Operations, inventory and value, United States, Dec. 1, 2009–2018

Year	Inventory	Value	
		Per head	Total
	Thousands	*Dollars*	*1,000 dollars*
2009	64,687	83.00	5,399,437
2010	64,725	106.00	6,880,179
2011	66,259	123.00	8,145,169
2012	66,224	116.00	7,683,152
2013	64,775	138.00	8,920,314
2014	67,626	144.00	9,731,521
2015	69,019	96.00	6,635,688
2016	71,345	92.00	6,578,419
2017	73,145	99.00	7,206,965
2018	74,915	98.00	7,298,943

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Table 7-22.—Sows farrowing and pig crop: Number, United States 2009-2018

Year	Sows farrowing		Pig crop		
	Dec.-May	June-Nov.	Dec.-May	June-Nov.	Total
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Thousands*
2009	5,982	5,874	57,111	56,977	114,088
2010	5,749	5,824	55,770	57,358	113,128
2011	5,694	5,846	56,469	58,616	115,085
2012	5,759	5,810	57,749	58,906	116,655
2013	5,595	5,670	57,020	58,115	115,135
2014	5,573	5,975	53,821	60,933	114,754
2015	5,749	5,949	59,219	62,221	121,441
2016	5,898	6,098	61,256	64,651	125,907
2017	6,007	6,209	63,025	66,402	129,428
2018	6,134	6,374	65,042	68,475	133,341

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Table 7-23.—Hogs and pigs: Number for breeding and market, United States, 2009–2018

Year	All hogs and pigs	Kept for breeding	Market hogs by weight groups				
			Under 50 pounds	50 to 119 pounds	120 to 179 pounds	180 pounds and over	Total
	June 1						
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Thousands*
2009	66,709	5,968	19,514	17,778	12,604	10,847	60,742
2010	64,650	5,788	19,224	16,832	12,154	10,653	58,862
2011	65,320	5,803	19,423	17,241	12,254	10,599	59,517
2012	66,469	5,862	19,746	17,924	12,243	10,694	60,607
2013	65,188	5,884	19,145	17,068	12,414	10,678	59,304
2014	61,468	5,855	18,254	15,801	11,471	10,086	55,613
2015	67,065	5,926	19,365	17,461	12,935	11,379	61,140
2016	69,281	5,979	20,356	18,198	13,291	11,456	63,302
2017	71,210	6,109	20,647	18,841	13,696	11,917	65,101
2018	72,866	6,320	21,327	19,083	13,988	12,147	66,546
	Dec. 1						
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Thousands*
2009	64,687	5,850	18,705	16,782	12,199	11,152	58,837
2010	64,725	5,778	18,864	16,519	12,183	11,381	58,947
2011	66,259	5,803	19,447	16,618	12,473	11,918	60,456
2012	66,224	5,819	19,299	16,752	12,614	11,741	60,405
2013	64,775	5,757	18,389	16,080	12,576	11,972	59,018
2014	67,626	5,939	19,746	17,296	13,000	11,646	61,688
2015	69,019	6,002	20,038	17,262	13,440	12,276	63,017
2016	71,345	6,110	20,862	18,077	13,711	12,585	65,235
2017	73,145	6,179	21,407	18,544	13,925	13,089	66,966
2018	74,915	6,326	21,599	19,297	14,412	13,282	68,590

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Table 7-24.—Cattle and swine: Production, 2016–2018

Country	2016	2017	2018
	1,000 head		
Cattle:			
India	67,500	68,200	68,700
Brazil	48,250	48,735	49,500
China	48,890	48,800	47,500
United States	35,093	35,758	36,403
European Union	30,100	29,550	29,080
Argentina	14,000	14,200	14,700
Australia	6,600	9,700	9,100
Mexico	7,100	7,485	7,700
Russia	6,600	6,572	6,564
New Zealand	5,060	4,728	5,050
Canada	4,272	4,358	4,297
Turkey	3,512	3,700	3,900
Uruguay	2,720	2,850	2,750
Ukraine	2,160	2,219	1,995
Egypt	1,850	1,850	1,900
Belarus	1,375	1,440	1,400
Japan	1,194	1,201	1,200
Korea, South	916	932	947
Swine:			
China	672,500	704,098	683,862
European Union	266,000	267,250	270,000
United States	125,907	129,429	133,341
Russia	41,477	43,700	45,250
Brazil	39,635	40,230	40,954
Canada	28,812	29,026	28,128
Korea, South	19,504	18,191	19,118
Mexico	17,700	18,100	18,650
Japan	16,900	16,785	16,690
Ukraine	9,296	8,767	8,100
Belarus	5,200	5,325	5,175
Australia	5,028	0	0

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 7-25.—Hogs: Number slaughtered, United States, 2009–2018

Year	Commercial			Farm	Total
	Federally inspected	Other	Total [1]		
	Thousands				
2009	112,613	1,006	113,619	114	113,732
2010	109,315	945	110,260	107	110,367
2011	109,956	904	110,860	96	110,956
2012	112,265	898	113,163	83	113,247
2013	111,248	829	112,077	84	112,161
2014	106,123	753	106,876	82	106,958
2015	114,616	810	115,425	87	115,512
2016	117,388	832	118,220	84	118,304
2017	120,516	801	121,317	73	121,390
2018	123,696	739	124,435	77	124,512

[1] Totals are based on unrounded number.
NASS, Livestock Branch, (202) 720-3570.

Table 7-26.—Sows farrowing and pig crop: Number by State and United States, 2017–2018

State	Sows farrowing							
	December [1]–February		March–May		June–August		September–November	
	2017	2018	2017	2018	2017	2018	2017	2018
	Thousands							
Colorado	76	72	77	75	78	80	72	720
Illinois	265	260	255	275	265	265	265	2,929
Indiana	145	130	135	115	135	125	135	1,325
Iowa	510	550	510	560	520	580	550	6,272
Kansas	79	79	80	76	85	87	83	927
Michigan	50	53	50	53	54	57	53	567
Minnesota	275	295	300	310	300	305	315	3,420
Missouri	220	225	220	240	235	255	235	2,650
Nebraska	175	180	185	190	190	185	195	2,176
North Carolina	460	445	470	455	490	485	460	4,771
Ohio	91	91	97	88	97	89	100	1,049
Oklahoma	200	200	195	205	205	210	200	2,173
Pennsylvania	46	48	50	50	51	51	50	572
South Dakota	102	113	101	110	105	117	105	1,480
Texas	50	60	50	64	52	69	60	697
Utah	39	36	39	34	36	39	35	370
Other States [2]	203	197	200	200	208	201	202	2,057
United States [3]	2,986	3,034	3,014	3,100	3,106	3,200	3,115	34,155
State	Pig crop							
	December [1]–February		March–May		June–August		September–November	
	2017	2018	2017	2018	2017	2018	2017	2018
	Thousands							
Colorado	752	698	801	720	850	760	734	720
Illinois	2,703	2,756	2,690	2,943	2,849	2,822	2,836	2,929
Indiana	1,486	1,359	1,418	1,185	1,397	1,313	1,397	1,325
Iowa	5,483	6,050	5,585	6,216	5,824	6,496	6,133	6,272
Kansas	790	806	800	768	901	948	896	927
Michigan	520	567	525	578	583	616	578	567
Minnesota	3,121	3,304	3,420	3,472	3,420	3,401	3,607	3,420
Missouri	2,211	2,284	2,255	2,448	2,385	2,665	2,444	2,650
Nebraska	2,021	2,106	2,118	2,147	2,214	2,091	2,282	2,176
North Carolina	4,554	4,406	4,700	4,596	4,925	4,996	4,692	4,771
Ohio	983	983	1,028	968	1,038	970	1,080	1,049
Oklahoma	2,060	2,120	2,067	2,194	2,173	2,237	2,140	2,173
Pennsylvania	474	509	525	525	541	546	520	572
South Dakota	1,153	1,294	1,146	1,287	1,187	1,299	1,202	1,480
Texas	495	594	365	627	406	697	552	697
Utah	339	277	351	258	324	429	315	370
Other States [2]	2,001	1,988	1,996	2,010	2,058	2,034	2,048	2,057
United States [3]	31,146	32,101	31,790	32,942	33,075	34,320	33,456	34,155

[1] December preceding year. [2] Individual State estimates not available for the 34 other States. [3] Totals may not add due to rounding.

NASS, Livestock Branch, (202) 720–3570.

Table 7-27.—Hogs: Production, disposition, cash receipts, and gross income, United States, 2009–2018

Year	Marketings [1]	Inshipments [2]	Farm slaughter [3]	Production (live weight) [4]	Value of production [5]	Cash receipts [6]	Value of home consumption	Gross income	Average price per 100 pounds received by farmers
	1,000 head	*1,000 head*	*1,000 head*	*1,000 pounds*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Dollars*
2009	150,034	42,598	114	31,235,019	12,536,325	14,640,502	31,121	14,671,623	42.00
2010	144,362	40,004	107	30,284,630	16,012,200	17,898,063	38,306	17,936,369	55.10
2011	145,420	40,522	96	30,836,171	20,014,277	21,631,894	44,004	21,675,898	66.50
2012	151,835	44,027	83	32,060,619	20,285,027	22,092,108	40,007	22,132,115	64.20
2013	154,923	47,864	73	32,524,986	21,611,356	23,706,457	37,428	23,743,885	67.20
2014	149,097	47,185	82	32,126,235	24,183,766	26,489,394	43,550	26,532,944	77.10
2015	159,724	50,146	87	34,739,292	18,814,459	20,552,958	31,982	20,584,940	53.50
2016	165,538	52,954	84	35,898,712	17,363,044	19,037,752	28,797	19,066,549	49.60
2017	171,320	55,266	73	36,962,875	19,159,248	21,038,034	29,273	21,067,307	53.60
2018	180,512	60,589	77	38,829,022	19,060,203	21,072,058	27,194	21,125,252	49.90

[1] Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State. [2] Includes hogs and pigs shipped in from other states but excludes animals for immediate slaughter. [3] Excludes custom slaughter for farmers at commercial establishments. [4] Adjustments made for changes in inventory and for inshipments. [5] Includes allowance for higher average price of State inshipments and outshipments of feeder pigs. [6] Receipts from marketings and sale of farm slaughter.

NASS Livestock Branch, (202) 720–3570.

Table 7-28.—Hogs: Direct receipts at interior markets, 2009–2018

Year	All receipts (live and carcass basis)			
	National	Iowa/ Southern Minnesota [1]	Western Region	Eastern Region
	Thousands	*Thousands*	*Thousands*	*Thousands*
2009	81,443	44,628	53,331	23,065
2010	75,104	40,143	48,413	22,896
2011	75,514	41,479	49,649	22,643
2012	75,459	42,343	50,607	22,192
2013	71,599	40,744	48,202	20,929
2014	73,182	41,687	49,180	21,341
2015	78,212	44,997	53,076	22,298
2016	80,716	26,315	32,247	15,922
	Number	*Number*	*Number*	*Number*
2017	2,912,345	1,607,503	1,763,741	1,145,350
2018	3,163,846	1,675,816	1,521,595	1,068,483

[1] Iowa / Southern Minnesota is a subset of the Western Region.

AMS, Livestock & Grain Market News, (202) 720–7316.

Table 7-29.—Hogs and corn: Hog-corn price ratio and average price received by farmers for corn, United States, 2009–2018 [1] [2]

Year	Hog-corn price ratio [1]	Price of corn per bushel [2]
		Dollars
2009	11.2	3.75
2010	14.4	3.83
2011	11.0	6.02
2012	9.6	6.67
2013	11.3	6.15
2014	18.9	4.11
2015	14.5	3.70
2016	14.2	3.48
2017	15.9	3.36
2018	14.4	3.47

[1] Number of bushels of corn equal in value to buy 100 pounds of live hogs at local markets, based on average prices received by farmers for hogs and corn. Annual average is a simple average of monthly ratios for the calendar year. [2] Annual average is a simple average of monthly prices for the calendar year.

NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 7-30.—Hogs: Production, disposition, cash receipts, and gross income, by State and United States, 2018

State	Marketings [1]	Inshipments [2]	Farm slaughter [3]	Production (live weight) [4]	Value of production [5]	Cash receipts [5 6]	Value of home consumption	Gross income
	1,000 head	*1,000 head*	*1,000 head*	*1,000 pounds*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Alabama	230.0	43.0	1.0	29,713	17,009	20,170	283	20,453
Alaska	2.2	1.3	0.8	779	406	324	109	433
Arizona	261.0	3.0	1.0	66,449	37,573	36,790	294	37,084
Arkansas	1,097.0	23.0	1.0	71,103	56,311	60,345	392	60,737
California	202.0	162.0	3.0	42,504	18,019	27,453	612	28,065
Colorado	2,925.0	137.0	2.0	230,069	136,198	140,519	302	140,821
Connecticut	3.0	0.7	0.1	800	389	397	25	422
Delaware	33.0	1.0	0.1	7,455	3,819	3,808	47	3,855
Florida	27.1	5.0	1.0	3,411	1,737	1,836	150	1,986
Georgia	584.1	212.0	1.9	66,630	34,017	39,986	538	40,524
Hawaii	3.6	3.7	1.2	1,250	568	485	180	665
Idaho	111.1	33.1	1.0	27,315	14,527	16,056	294	16,350
Illinois	12,427.0	1,593.0	3.0	2,166,139	1,144,296	1,209,683	825	1,210,508
Indiana	9,998.0	5,446.0	2.0	2,212,071	1,028,201	1,199,559	839	1,200,398
Iowa	55,059.0	34,400.0	5.0	14,486,636	6,603,223	7,616,470	2,099	7,618,569
Kansas	4,620.0	1,575.0	1.0	945,016	456,607	518,816	429	519,245
Kentucky	981.0	57.0	4.0	159,087	99,636	114,816	1,208	116,024
Louisiana	8.5	4.0	0.7	1,424	741	865	71	936
Maine	8.0	1.6	0.2	2,125	1,028	1,088	58	1,146
Maryland	54.3	13.7	0.1	11,376	5,554	6,809	38	6,847
Massachusetts	16.6	2.5	0.1	3,509	1,740	1,825	25	1,850
Michigan	2,437.0	172.0	2.0	857,981	495,817	502,505	590	503,095
Minnesota	21,145.0	9,300.0	2.0	4,552,980	2,162,512	2,514,681	1,202	2,515,883
Mississippi	1,166.0	4.0	4.0	96,402	59,456	59,299	695	59,994
Missouri	11,007.0	1,627.0	2.0	1,231,594	723,335	788,932	1,060	789,992
Montana	556.0	5.0	2.0	99,512	57,950	56,717	476	57,193
Nebraska	8,767.0	620.0	3.0	1,395,089	775,639	813,183	1,352	814,535
Nevada	1.3	2.8	0.1	774	320	181	28	209
New Hampshire	6.3	2.7	0.2	1,667	764	866	73	939
New Jersey	12.7	8.5	0.1	836	89	616	76	692
New Mexico	6.6	3.8	0.2	1,079	460	680	52	732
New York	66.8	15.0	0.7	10,840	5,869	6,851	224	7,075
North Carolina	17,173.0	631.0	1.0	4,158,909	2,076,752	2,129,121	626	2,129,747
North Dakota	953.9	143.1	0.1	47,319	41,872	56,962	84	57,046
Ohio	4,885.0	950.0	6.0	1,283,392	623,182	667,969	2,973	670,942
Oklahoma	8,962.0	850.0	2.0	1,872,064	921,129	938,522	408	938,930
Oregon	13.0	1.1	1.0	3,246	1,849	1,624	283	1,907
Pennsylvania	2,085.9	207.0	2.1	538,721	272,183	275,440	787	276,227
Rhode Island	2.4	0.1	0.1	554	277	275	22	297
South Carolina	171.0	75.0	1.0	35,313	17,800	17,153	873	18,026
South Dakota	5,968.0	966.0	2.0	928,683	530,360	585,716	1,385	587,101
Tennessee	581.5	145.0	1.5	148,745	72,280	79,520	574	80,094
Texas	2,736.0	469.0	6.0	445,348	225,405	230,092	2,151	232,243
Utah	1,148.5	103.0	0.5	213,576	128,244	123,783	136	123,919
Vermont	8.2	2.2	0.4	2,228	1,057	1,095	91	1,186
Virginia	323.2	400.0	2.5	86,678	29,561	43,580	647	44,227
Washington	27.2	2.1	2.0	7,621	4,270	3,972	416	4,388
West Virginia	6.0	0.3	0.3	1,480	750	795	102	897
Wisconsin	978.5	165.0	1.0	173,518	112,135	122,706	683	123,389
Wyoming	666.0	1.0	1.0	98,012	57,287	57,122	307	57,429
United States	180,512.5	60,589.3	77.0	38,829,022	19,060,203	21,098,058	21,794	21,125,252

- Represents zero. (D)Withheld to avoid disclosing data for individual operations. [1] Includes custom slaughter for use on farms where produced and State outshipments,but excludes interfarm sales within the State. [2] Includes hogs and pigs shipped in from other states but excludes animals for immediate slaughter. [3] Excludes custom slaughter for farmers at commercial establishments. [4] Adjustments made for changes in inventory and for inshipments. [5] Includes allowance for higher average price of State inshipments and outshipments of feeder pigs. [6] Receipts from marketings and sale of farm-slaughter.

NASS, Livestock Branch, (202) 720–3570.

Table 7-31.—Hogs: Number slaughtered commercially, total and average live weight, by State and United States, 2018 [1]

State	Number slaughtered	Total live weight [2]	Average live weight [2]
	Thousands	*1,000 pounds*	*Pounds*
Alabama	37.9	15,514	410
Alaska	1.4	377	269
Arizona	(D)	(D)	(D)
Arkansas	7.2	1,916	266
California	2,133.4	539,959	253
Colorado	20.1	4,933	245
Delaware & Maryland	19.3	5,022	261
Florida	59.0	7,369	125
Georgia	63.6	15,468	243
Hawaii	4.6	1,135	246
Idaho	167.6	44,741	267
Illinois	12,242.9	3,494,184	285
Indiana	8,573.9	2,373,289	277
Iowa	35,033.5	9,908,595	283
Kansas	(D)	(D)	(D)
Kentucky	(D)	(D)	(D)
Louisiana	9.3	1,994	215
Michigan	2,439.2	711,942	292
Minnesota	11,846.5	3,246,540	274
Mississippi	37.6	6,109	163
Missouri	9,049.3	2,612,590	289
Montana	16.8	4,662	277
Nebraska	7,873.1	2,216,027	282
Nevada	1.1	295	267
New England [3]	35.3	9,287	264
New Jersey	102.7	10,222	100
New Mexico	2.6	698	270
New York	28.2	6,771	240
North Carolina	(D)	(D)	(D)
North Dakota	4.0	1,175	292
Ohio	896.1	253,597	284
Oklahoma	5,622.0	1,561,561	278
Oregon	166.3	44,317	267
Pennsylvania	3,351.2	923,584	276
South Carolina	33.9	8,157	241
South Dakota	(D)	(D)	(D)
Tennessee	803.8	363,307	453
Texas	291.4	71,968	247
Utah	58.4	10,286	177
Virginia	(D)	(D)	(D)
Washington	12.1	3,137	259
West Virginia	8.8	2,513	285
Wisconsin	732.3	319,256	437
Wyoming	3.6	964	267
United States [4]	124,435.3	35,232,964	283

(D) Withheld to avoid disclosing data for individual operations. [1] Includes slaughter in federally inspected and other slaughter plants; excludes animals slaughtered on farms. Average live weight is based on unrounded numbers. Totals may not add due to rounding. [2] Excludes postmortem condemnations. [3] Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. [4] States with no data printed are still included in US total. Data are not printed to avoid disclosing individual operations.

NASS, Livestock Branch, (202) 720-3570.

Table 7-32.—Hogs: Number slaughtered, average dressed and live weights, Federally inspected, 2009–2018 [1]

Year	Federally inspected					
	Barrows and gilts			Sows		
	Head	Percent of total	Avg. dressed weight [2]	Head	Percent of total	Avg. dressed weight [2]
	1,000		*Pounds*	*1,000*		*Pounds*
2009	108,951	96.7	200	3,243	2.9	306
2010	105,983	97.0	201	2,966	2.7	305
2011	106,600	96.9	203	3,027	2.8	305
2012	108,912	97.0	203	3,009	2.7	306
2013	107,965	97.0	205	2,932	2.6	304
2014	102,998	97.1	212	2,788	2.6	305
2015	111,488	97.3	210	2,852	2.5	309
2016	114,184	97.3	209	2,885	2.5	310
2017	117,195	97.2	209	2,952	2.4	308
2018	120,305	97.3	209	3,015	2.4	305

Year	Boars			Total		
	Head	Percent of total	Avg. dressed weight [2]	Head	Avg. dressed weight [2]	Avg. live weight [2]
	1,000		*Pounds*	*1,000*	*Pounds*	*Pounds*
2009	419	0.4	199	112,613	203	271
2010	366	0.3	200	109,315	204	273
2011	329	0.3	210	109,956	206	275
2012	344	0.3	208	112,265	206	275
2013	351	0.3	204	111,248	207	277
2014	337	0.3	204	106,123	214	285
2015	276	0.2	207	114,616	213	283
2016	319	0.3	206	117,388	211	282
2017	370	0.3	201	120,516	211	283
2018	376	0.3	192	123,696	212	283

[1] All weights calculated using unrounded totals. Totals and percentages based on unrounded data and may not equal sum of classes due to rounding. [2] Excludes postmortem condemnations.
NASS, Livestock Branch, (202) 720-3570.

Table 7-33.—Lard: Supply and disappearance, United States, 2009–2018

Calendar year	Supply				Disappearance		
	Stocks Jan 1	Production	Imports	Total	Domestic	Exports	Total
	Million lbs	*Million lbs*	*Million lbs*	*Million lbs*	*Million lbs*	*Million lbs*	*Million lbs*
2009	12	860	17	889	788	83	871
2010	18	840	15	873	776	72	847
2011	26	852	13	891	794	77	871
2012	20	871	14	905	830	55	885
2013	20	867	14	901	820	61	881
2014	20	857	16	894	822	52	874
2015	20	902	14	936	881	47	928
2016	9	932	10	951	901	42	943
2017	8	959	13	980	935	38	973
2018	7	987	15	1,008	965	37	1,002

ERS, Market and Trade Economics Division, Field Crops Branch, (202) 694–5300.

Table 7-34.—Lard: United States exports by country of destination, 2016–2018

Country	2016	2017	2018
	Metric tons		
Mexico	16,925	15,876	16,173
Canada	988	605	264
Marshall Islands	178	153	118
Ireland	73	97	98
Norway(*)	0	0	72
Philippines	0	0	37
Guyana	0	0	24
Chile	0	0	14
Singapore	12	0	12
Spain	0	0	5
Micronesia	23	5	4
Leeward-Windward Islands(*)	6	0	3
Netherlands Antilles(*)	0	4	2
Brazil	0	18	1
Algeria	2	0	0
Argentina	4	4	0
Barbados	6	0	0
Dominican Republic	1	1	0
Guatemala	0	29	0
Japan	0	43	0
Jamaica	4	0	0
Korea, South	0	346	0
Russia	829	0	0
World Total	19,050	17,181	16,825

(*) Denotes a country that is a summarization of its component countries.
FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 7-35.—Sheep and lambs: Inventory and value, United States, Jan. 1, 2009–2018

Year	Inventory	Value	
		Per head	Total
	1,000 head	*Dollars*	*1,000 dollars*
2009	5,747	133.00	765,194
2010	5,620	135.00	761,115
2011	5,470	170.00	929,453
2012	5,375	221.00	1,187,730
2013	5,360	177.00	951,020
2014	5,235	188.00	982,316
2015	5,270	214.00	1,127,157
2016	5,295	202.00	1,071,467
2017	5,270	203.00	1,067,857
2018	5,265	204.00	1,071,378

NASS, Livestock Branch, (202) 720–3570.

Table 7-36.—Sheep and lambs: Number by class, United States, Jan. 1, 2009–2018

Year	All sheep and lambs	Breeding sheep			
		Total [1]	Replacement lambs	1 year and over	
				Ewes	Rams
	1,000 head	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*
2009	5,747	4,247	647	3,405	196
2010	5,620	4,185	655	3,335	195
2011	5,470	4,070	665	3,215	190
2012	5,375	3,995	660	3,165	170
2013	5,360	3,985	670	3,135	180
2014	5,235	3,890	635	3,080	175
2015	5,270	3,925	650	3,100	175
2016	5,295	3,940	665	3,100	175
2017	5,270	3,894	666	3,058	170
2018	5,265	3,865	662	3,033	170

[1] Categories may not add to total due to rounding.
NASS, Livestock Branch, (202) 720–3570.

Table 7-37.—Lamb mutton, goat, etc. meat: U.S. imports, 2016–2018

Country	2016	2017	2018
	1,000 metric tons		
Australia(*)	80,949	92,422	97,354
New Zealand(*)	22,222	28,034	26,010
Canada	1,146	1,103	1,200
Chile	325	1,038	539
Mexico	163	169	370
Iceland	177	227	203
Uruguay	1	14	197
China	0	0	26
Mozambique	0	0	19
Denmark(*)	0	0	-
Finland	4	0	0
World Total	104,986	123,006	125,917

(*) Denotes a country that is a summarization of its component countries. Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.
FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 7-38.—Breeding sheep: Number by class, State and United States, Jan. 1, 2017–2018

State	Under one year old		One year and over			
	Replacement lambs		Ewes		Rams	
	2017	2018	2017	2018	2017	2018
	1,000 head					
Arizona	23.0	18.0	68.0	67.0	6.0	5.0
California	45.0	45.0	275.0	260.0	10.0	10.0
Colorado	34.0	33.0	160.0	156.0	6.0	6.0
Idaho	41.0	39.0	138.0	141.0	5.0	5.0
Illinois	8.0	8.0	36.0	36.0	2.0	2.0
Indiana	7.0	8.0	38.0	38.0	4.0	4.0
Iowa	20.0	19.0	95.0	91.0	5.0	5.0
Kansas	7.0	6.0	36.0	34.0	2.0	2.0
Kentucky	7.0	8.0	33.0	36.0	2.0	2.0
Michigan	14.0	13.0	44.0	41.0	3.0	3.0
Minnesota	14.0	12.0	72.0	74.0	5.0	4.0
Missouri	13.0	14.0	59.0	63.0	3.0	3.0
Montana	35.0	39.0	159.0	150.0	6.0	6.0
Nebraska	10.0	9.0	58.0	55.0	3.0	3.0
Nevada	9.0	9.0	43.0	43.0	2.0	2.0
New England [1]	8.0	8.0	27.0	30.0	2.0	2.0
New Mexico	18.0	16.0	59.0	58.0	5.0	6.0
New York	13.0	13.0	51.0	55.0	3.0	3.0
North Carolina	4.0	3.0	19.0	16.0	2.0	2.0
North Dakota	8.0	8.0	42.0	39.0	2.0	2.0
Ohio	16.0	16.0	70.0	73.0	6.0	6.0
Oklahoma	7.0	8.0	29.0	31.0	2.0	3.0
Oregon	18.0	20.0	101.0	94.0	5.0	6.0
Pennsylvania	11.0	13.0	59.0	60.0	5.0	5.0
South Dakota	31.0	31.0	146.0	153.0	6.0	6.0
Tennessee	6.0	7.0	29.0	29.0	3.0	2.0
Texas	95.0	100.0	440.0	465.0	35.0	35.0
Utah	42.0	42.0	205.0	200.0	8.0	8.0
Virginia	9.0	9.0	49.0	45.0	3.0	3.0
Washington	9.0	6.0	28.0	27.0	2.0	2.0
West Virginia	4.0	4.0	23.0	23.0	1.0	1.0
Wisconsin	12.0	12.0	48.0	48.0	3.0	3.0
Wyoming	43.0	43.0	225.0	210.0	7.0	7.0
Other States [2]	25.0	23.0	94.0	92.0	6.0	6.0
United States	666.0	662.0	3,058.0	3,033.0	170.0	170.0

[1] New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. [2] Individual state estimates not available for states not shown, but are included in Other States.
NASS, Livestock Branch, (202) 720–3570.

Table 7-39.—Sheep and lambs: Average price per 100 pounds at San Angelo, 2009–2018 [1]

Year	Sheep			Slaughter lambs choice & prime			
	Good	Utility	Cull	Wooled		Shorn	
				90-110 lbs	110-130 1bs	90-110 lbs	110-130 1bs
2009	40.27	40.53	21.20	90.49	90.24	90.55	90.32
2010	59.51	59.50	41.12	114.66	115.12	115.18	115.68
2011	66.22	66.62	41.43	161.09	161.08	161.53	161.24
2012	64.30	65.80	42.84	113.64	114.01	114.56	114.68
2013	47.68	49.68	28.21	107.34	107.50	107.44	107.69
2014	65.66	67.88	43.76	157.08	157.14	157.19	157.30
2015	79.11	80.63	54.70	143.97	143.97	144.02	144.12
2016	72.12	75.37	45.63	135.18	135.28	135.24	135.58
2017	76.86	77.14	47.63	140.98	140.74	141.07	141.01
2018	65.13	67.16	40.52	126.58	125.48	134.63	133.50

[1] Simple average of monthly bulk-of-sales prices from data of the livestock reporting service.
AMS, Livestock & Grain Market News, (202) 720–7316.

Table 7-40.—Sheep and lambs: Number of breeding and market sheep, by State and United States, Jan. 1, 2017–2018

State	Breeding sheep and lambs		Market sheep and lambs	
	2017	2018	2017	2018
	1,000 head	*1,000 head*	*1,000 head*	*1,000 head*
Arizona	97.0	90.0	33.0	35.0
California	330.0	315.0	270.0	255.0
Colorado	200.0	195.0	220.0	250.0
Idaho	184.0	185.0	66.0	50.0
Illinois	46.0	46.0	9.0	9.0
Indiana	49.0	50.0	7.0	7.0
Iowa	120.0	115.0	55.0	50.0
Kansas	45.0	42.0	23.0	25.0
Kentucky	42.0	46.0	11.0	12.0
Michigan	61.0	57.0	24.0	23.0
Minnesota	91.0	90.0	39.0	40.0
Missouri	75.0	80.0	20.0	20.0
Montana	200.0	195.0	30.0	30.0
Nebraska	71.0	67.0	12.0	13.0
Nevada	54.0	54.0	9.0	7.0
New England [1]	37.0	40.0	10.0	9.0
New Mexico	82.0	80.0	15.0	16.0
New York	67.0	71.0	13.0	14.0
North Carolina	25.0	21.0	5.0	6.0
North Dakota	52.0	49.0	14.0	21.0
Ohio	92.0	95.0	25.0	24.0
Oklahoma	38.0	42.0	10.0	12.0
Oregon	124.0	120.0	46.0	45.0
Pennsylvania	75.0	78.0	18.0	18.0
South Dakota	183.0	190.0	57.0	60.0
Tennessee	38.0	38.0	8.0	8.0
Texas	570.0	600.0	140.0	150.0
Utah	255.0	250.0	20.0	25.0
Virginia	61.0	57.0	19.0	18.0
Washington	39.0	35.0	9.0	10.0
West Virginia	28.0	28.0	6.0	7.0
Wisconsin	63.0	63.0	13.0	12.0
Wyoming	275.0	260.0	85.0	85.0
Other States [2]	125.0	121.0	35.0	34.0
United States	3,984.0	3,865.0	1,376.0	1,400.0

[1] New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. [2] Includes data for States not published in this table.
NASS, Livestock Branch, (202) 720–3570.

Table 7-41.—Lamb crop: Per 100 ewes 1+, number and percent of previous year, by State and United States, 2016–2017

State	Breeding ewes 1 year & older, Jan. 1		Lambs per 100 ewes, Jan. 1		Lamb crop [1]		
	2017	2018	2017	2018	2017	2018	2018 as % of 2017
	1,000 head	*1,000 head*	*Number*	*Number*	*1,000 head*	*1,000 head*	*Percent*
Arizona	68	67	60	66	41	44	107
California	275	260	85	90	235	235	100
Colorado	160	156	116	119	185	185	100
Idaho	138	141	116	113	160	160	100
Illinois	36	36	119	114	43	41	95
Indiana	38	38	121	121	46	46	100
Iowa	95	91	121	121	115	110	96
Kansas	36	34	119	129	43	44	102
Kentucky	33	36	106	103	35	37	106
Michigan	44	41	111	122	49	50	102
Minnesota	72	74	125	122	90	90	100
Missouri	59	63	132	124	78	78	100
Montana	159	150	119	120	190	180	95
Nebraska	58	55	121	118	70	65	93
Nevada	43	43	79	88	34	38	112
New England [2]	27	30	122	117	33	35	106
New Mexico	59	58	76	83	45	48	107
New York	51	55	114	104	58	57	98
North Carolina	19	16	95	106	18	17	94
North Dakota	42	39	117	115	49	45	92
Ohio	70	73	126	121	88	88	100
Oklahoma	29	31	114	103	33	32	97
Oregon	101	94	114	120	115	113	98
Pennsylvania	59	60	114	110	67	66	99
South Dakota	146	153	134	131	195	200	103
Tennessee	29	29	121	114	35	33	94
Texas	440	465	82	78	360	365	101
Utah	205	200	112	118	230	235	102
Virginia	49	45	120	131	59	59	100
Washington	28	27	107	119	30	32	107
West Virginia	23	23	117	113	27	26	96
Wisconsin	48	48	119	119	57	57	100
Wyoming	225	210	104	114	235	240	102
Other States [3]	94	92	87	91	82	84	102
United States	3,058	3,033	106	107	3,230	3,235	100

[1] Lamb crop is defined as lambs born in the Eastern States and lambs docked or branded in the Western States. [2] New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. [3] Includes data for States not published in this table.

NASS, Livestock Branch, (202) 720–3570.

Table 7-42.—Sheep and lambs: Receipts at selected markets, 2009–2018

Year	Sioux Falls, SD	Billings, MT	San Angelo, TX	New Holland,PA
	Thousands	*Thousands*	*Thousands*	*Thousands*
2009	28	54	144	102
2010	41	48	143	92
2011	38	42	156	94
2012	35	53	89	101
2013	48	52	110	109
2014	52	49	107	107
2015	82	63	110	117
2016	57	54	129	133
2017	62	61	141	123
2018	69	52	143	142

AMS, Livestock & Grain Market News, (202) 720–7316.

Table 7-43.—Sheep and lambs: Number slaughtered, United States, 2009–2018

Year	Commercial			Farm	Total
	Federally inspected	Other	Total [1]		
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Thousands*
2009	2,323	193	2,516	95	2,611
2010	2,261	196	2,458	95	2,553
2011	2,000	164	2,164	93	2,258
2012	2,012	171	2,183	93	2,275
2013	2,120	199	2,319	94	2,412
2014	2,105	205	2,310	95	2,404
2015	1,998	225	2,224	95	2,319
2016	2,010	228	2,238	95	2,333
2017	1,937	241	2,178	96	2,274
2018	2,000	265	2,265	92	2,357

[1] Totals are based on unrounded numbers.
NASS, Livestock Branch, (202) 720–3570.

Table 7-44.—Sheep and lambs: Number slaughtered, average dressed and live weights, percentage distribution, by class, Federally inspected, 2009–2018 [1]

Year	Federally inspected								
	Lambs and yearlings			Mature sheep			Total		
	Head	Percent of total	Avg. dressed weight [2]	Head	Percent of total	Avg. dressed weight [2]	Head	Avg. dressed weight [2]	Avg. live weight [2]
	1,000		*Pounds*	*1,000*		*Pounds*	*1,000*	*Pounds*	
2009	2,165	93.2	70	158	6.8	64	2,323	70	139
2010	2,105	93.1	69	156	6.9	65	2,261	68	137
2011	1,860	93.0	71	141	7.0	66	2,000	70	141
2012	1,869	92.9	74	143	7.1	64	2,012	74	147
2013	1,988	93.7	69	133	6.3	64	2,120	69	137
2014	1,968	93.5	69	136	6.5	66	2,105	69	137
2015	1,885	94.3	70	113	5.7	67	1,998	70	139
2016	1,902	94.6	69	108	5.4	67	2,010	69	137
2017	1,836	94.8	68	102	5.2	67	1,937	68	136
2018	1,893	94.7	70	107	5.3	67	2,000	70	139

[1] All percents and weights calculated using unrounded totals. [2] Excludes postmortem condemnations.
NASS, Livestock Branch, (202) 720–3570.

Table 7-45.—Sheep and lambs: Number slaughtered commercially, total and average live weight, by State and United States, 2018 [1]

State	Number slaughtered	Total live weight	Average live weight [2]
	Thousands	*1,000 pounds*	*Pounds*
Alabama	0.8	67	84
Alaska	(Y)	(Y)	(Y)
Arizona	(D)	(D)	(D)
Arkansas	0.4	41	101
California	321.4	48,535	151
Colorado	738.0	124,656	169
Delaware-Maryland	46.0	4,292	93
Florida	15.0	853	57
Georgia	23.2	1,511	65
Hawaii	1.4	177	131
Idaho	2.5	349	141
Illinois	56.6	5,259	93
Indiana	46.4	5,485	118
Iowa	2.7	446	166
Kansas	5.1	513	100
Kentucky	16.9	2,115	125
Louisiana	3.8	224	59
Michigan	215.5	30,695	142
Minnesota	4.8	491	102
Mississippi	10.2	626	61
Missouri	10.9	931	86
Montana	4.8	672	141
Nebraska	0.6	86	135
Nevada	1.2	173	146
New England [3]	32.4	3,110	96
New Jersey	153.9	12,036	78
New Mexico	8.7	1,274	148
New York	61.8	6,232	101
North Carolina	14.3	1,047	73
North Dakota	0.5	71	138
Ohio	53.6	8,282	155
Oklahoma	8.2	937	115
Oregon	47.2	6,782	144
Pennsylvania	88.0	9,140	104
South Carolina	(D)	(D)	(D)
South Dakota	3.8	562	147
Tennessee	10.5	713	68
Texas	145.4	12,860	88
Utah	21.0	2,902	138
Virginia	9.7	709	73
Washington	16.3	2,243	138
West Virginia	(D)	(D)	(D)
Wisconsin	38.1	6,209	163
Wyoming	1.1	160	140
United States	2,265.0	306,319	135

(D) Withheld to avoid disclosing data for individual operations. (Y) Less than level of precision shown. [1] Includes slaughter in federally inspected and in other slaughter plants; exludes animals slaughtered on farms. Excludes postmortem condemnations. [2] Averages are based on unrounded data. [3] New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

NASS, Livestock Branch, (202) 720–3570.

Table 7-46.—Sheep and lambs: Inventory Jan 1, 2017–2018, and number of operations, 2017, by State and United States [1]

State	January 1 Sheep inventory		Operations with sheep [2]
	2017	2018	2017
	1,000 head	*1,000 head*	*Number*
Alabama	.....	.....	1,062
Alaska	.....	.....	49
Arizona	130	125	7,509
Arkansas	.....	.....	1,053
California	600	570	3,807
Colorado	420	445	1,731
Connecticut	.....	.....	428
Delaware	.....	.....	89
Florida	.....	.....	1,666
Georgia	.....	.....	1,208
Hawaii	.....	.....	548
Idaho	250	235	1,447
Illinois	55	55	1,870
Indiana	56	57	2,316
Iowa	175	165	2,801
Kansas	68	67	1,234
Kentucky	53	58	2,818
Louisiana	.....	.....	785
Maine	.....	.....	738
Maryland	.....	.....	925
Michigan	85	80	728
Minnesota	130	130	2,483
Mississippi	.....	.....	2,248
Missouri	95	100	748
Montana	230	225	3,103
Nebraska	83	80	1,383
Nevada	63	61	1,153
New England [3]	47	49	328
New Hampshire	.....	.....	502
New Jersey	.....	.....	1,047
New Mexico	97	96	4,047
New York	80	85	2,113
North Carolina	30	27	1,679
North Dakota	66	70	573
Ohio	117	119	4,123
Oklahoma	48	54	2,216
Oregon	170	165	3,263
Pennsylvania	93	96	3,749
Rhode Island	.....	.....	108
South Carolina	.....	.....	738
South Dakota	240	250	1,337
Tennessee	46	46	2,503
Texas	710	750	14,672
Utah	275	275	1,898
Vermont	.....	.....	704
Virginia	80	75	2,646
Washington	48	45	2,281
West Virginia	34	35	1,226
Wisconsin	76	75	2,845
Wyoming	360	345	859
Other States [4]	160	155	.....
United States	5,270	5,265	101,387

[1] An operation is any place having one or more head of sheep on hand December 31. [2] State level estimates only available in conjunction with the Census of Agriculture every 5 years. [3] New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. [4] Includes data for States not published in this table.

NASS, Livestock Branch, (202) 720–3570.

Table 7-47.—Wool: Number of sheep shorn, weight per fleece, production, average price per pound received by farmers, value of production, exports, imports, total new supply of apparel wool, and imports of carpet wool, United States, 2009–2018

Year	Sheep and lambs shorn [1]	Weight per fleece	Shorn wool production	Price per pound [2]	Value of production [3]
	Thousands	*Pounds*	*1,000 pounds*	*Cents*	*1,000 dollars*
2009	4,195	7.4	30,860	0.79	24,337
2010	4,180	7.3	30,360	1.15	35,013
2011	4,030	7.3	29,280	1.67	48,920
2012	3,790	7.3	27,630	1.52	41,972
2013	3,700	7.3	26,990	1.45	39,209
2014	3,680	7.3	26,680	1.46	38,909
2015	3,675	7.4	27,015	1.45	39,205
2016	3,585	7.3	26,050	1.45	37,721
2017	3,435	7.2	24,810	1.48	36,774
2018	3,372	7.2	24,400	1.75	42,772

Year	Shorn wool production	Raw wool supply (clean)				
		Domestic production [4]	Exports [5]	Imports for consumption		Total new supply [8]
				48's and Finer [6]	Not Finer than 46's [7]	
	1,000 pounds	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	
2009	30,860	16,294	10,207	3,306	6,046	15,439
2010	30,360	16,035	9,973	3,108	4,928	14,098
2011	29,280	15,465	9,586	3,791	4,694	14,364
2012	27,630	14,467	7,741	4,564	4,551	15,841
2013	26,990	14,251	9,998	3,858	3,746	11,857
2014	26,680	14,087	7,916	3,917	3,363	13,247
2015	27,015	14,264	7,847	3,980	3,321	13,718
2016	26,050	13,754	7,826	3,909	2,178	12,015
2017	24,810	13,100	11,002	3,396	2,285	7,779
2018	24,400	12,883	12,250	3,050	2,350	6,033

[1] Includes sheep shorn at commercial feeding yards. [2] Price computed by weighting State average prices for all wool sold during the year by sales of shorn wool. [3] Production by States multiplied by annual average price. [4] Conversion factor from grease basis to clean basis are as follows: Shorn wool production—52.8 percent (Stat. Bull. 616) from 1987-1997. [5] Includes carpet wool exports. [6] Prior to 1989, known as dutiable imports. [7] Prior to 1989, known as duty-free imports. In 1994 includes 24,645,306 pounds of imported raw wool not finer than 46's and 2,182,576 pounds of miscellaneous imported raw wool. [8] Production minus exports plus imports; stocks not taken into consideration.

NASS, Livestock Branch, (202) 720–3570 and ERS, Field Crops Branch, (202) 694–5300. Imports and exports from reports of the U.S. Department of Commerce.

Table 7-48.—Wool: Price-support operations, United States, 2009–2018 [1]

Year	Program price levels per pound		Put under loan		Acquired by CCC under loan program [2]	Owned by CCC at end of marketing year
	Graded wool loan	Nongraded loan	Quantity	Percentage of production		
	Dollars	*Dollars*	*1,000 pounds*	*Percent*	*1,000 pounds*	*1,000 pounds*
2009	1.00	0.40	28.9	0.09	0.0	0.0
2010	1.15	0.40	27.8	0.09	0.0	0.0
2011	1.15	0.40	0.0	0.00	0.0	0.0
2012	1.15	0.40	0.0	0.00	0.0	0.0
2013	1.15	0.40	14.0	0.05	0.0	0.0
2014	1.15	0.40	11.0	0.04	0.0	0.0
2015	1.15	0.40	0.0	0.00	0.0	0.0
2016	1.15	0.40	0.0	0.00	0.0	0.0
2017	1.15	0.40	10.0	0.04	0.0	0.0
2018	1.15	0.40	0.0	0.00	0.0	0.0

[1] Nonrecourse Marketing Loan Program authorized by the Food, Conservation, and Energy Act of 2008, as amended, for marketing years 2008-2013, and the Agricultural Act of 2014, as amended, for marketing years 2014-2018. [2] Acquisitions as of September 30, 2019.

FPAC-BC, Commodity Analysis Branch.

Table 7-49.—Wool: United States imports (for consumption), clean content, by grades, 2013–2017 [1] [2]

Grade	2013	2014	2015	2016	2017
	Million pounds	*Million pounds*	*Million pounds*	*Million pounds*	*Million pounds*
48's and finer:					
Finer than 58's [3]	2.9	3.0	2.9	2.7	2.1
48's–58's [4]	1.0	0.9	1.1	1.2	1.3
Total	3.9	3.9	4.0	3.9	3.4
Not Finer than 46's:					
Wool for special use [5]	0.2	0.3	0.2	0.2	0.2
Not finer than 40's [6]	0.9	1.3	0.8	0.4	1.0
Finer than 40's–44's [7]	1.4	1.3	0.9	0.5	0.6
46's [8]	1.2	0.5	1.4	1.1	0.6
Total	3.7	3.4	3.3	2.2	2.3
Miscellaneous [9]	0	0	0	0	0
Grand total	7.6	7.3	7.3	6.1	5.7

[1] Natural fiber grown by sheep or lambs. [2] Beginning 1989 the following Harmonized Tariff Schedule numbers are in the above 7 wool import groups: 5101.19.606060, 5101.19.6060, 5101.21.4000, 5101.21.4000, 5101.29.4060, 0.5(5101.30.4000). [4] 5101.11.6030, 5101.19.6030, 5101.21.4030, 5101.29.4030, 0.5(5101.30.4000). [5] 5101.11.1000, 5101.19.1000, 5101.21.1000, 5101.29.1000. [6] 5101.11.2000, 5101.19.2000, 5101.21.1500, 5101.29.1500, 5101.30.1000. [7] 5101.11.4000, 5101.19.4000, 5101.21.3000, 5101.29.3000, 5101.30.1500. [8] 5101.11.5000, 5101.19.5000, 5101.21.3500, 5101.29.3500, 5101.30.3000. [9] 5101.21.6000, 5101.29.6000, 5101.30.6000. They include wool not carded or combed but processed beyond the scoured or carbonized condition, e.g. dyed. This wool is not identified by use or grade.

ERS, Field Crops Branch, (202) 694–5300. Compiled from reports of the U.S. Department of Commerce.

Table 7-50.—Wool: United States imports (for consumption), clean content, by country of origin, 2013–2017 [1]

Country of origin	2013	2014	2015	2016	2017
	Million pounds	*Million pounds*	*Million pounds*	*Million pounds*	*Million pounds*
48's and finer:					
Argentina	0.0	0.0	0.0	0.0	0.0
Australia	2.3	1.6	2.0	1.4	1.4
Canada	0.6	0.9	0.9	1.0	0.7
Chile	0.0	0.0	0.0	0.0	0.0
New Zealand	0.2	0.4	0.3	0.4	0.3
South Africa	0.0	0.0	0.0	0.0	0.0
United Kingdom	0.0	0.0	0.0	0.0	0.0
Uruguay	0.3	0.4	0.2	0.3	0.2
Other	0.5	0.6	0.6	0.8	0.8
Total	3.9	3.9	4.0	3.9	3.4
Not finer than 46's:					
Argentina	0.0	0.0	0.0	0.0	0.0
Australia	0.2	0.1	0.3	0.3	0.1
Canada	0.0	0.0	0.0	0.0	0.0
New Zealand	2.8	2.6	1.8	1.1	1.3
Uruguay	0.0	0.0	0.0	0.0	0.0
South Africa	0.1	0.1	0.2	0.0	0.1
United Kingdom	0.5	0.4	0.3	0.2	0.3
Other	0.1	0.2	0.7	0.6	0.5
Total	3.7	3.4	3.3	2.2	2.3
Grand total	7.6	7.3	7.3	6.1	5.7

[1] Wool not advanced in any manner or by any process of manufacture beyond washed, scoured, or carbonized condition.

ERS, Field Crops Branch, (202) 694–5300. Compiled from reports of the U.S. Department of Commerce.

Table 7-51.—Wool: Average price per pound, clean basis, delivered to United States mills, 2008–2017 [1]

Year	Territory [2]		Australian 64's good topmaking (in bond, American yield)
	64's (20.60–22.04 microns)	Avg. 58's–56's (24.95–27.84 microns)	
	Cents	*Cents*	*Cents*
2008	309	204	347
2009	227	155	302
2010	327	203	410
2011	425	374	630
2012	281	346	590
2013	423	259	534
2014	417	274	489
2015	358	284	450
2016	394	282	489
2017	436	280	550

[1] Beginning January 1976 the unit designation terminology for wool prices changed to microns. For example 64's (20.60–22.04 microns) formerly was fine good French combing and staple. Two designations 56's (26.40–27.84 microns) and 58's (24.95–26.39 microns) have been averaged in the price data shown here and together were formerly the category fleece 3/8 blood good French combing and staple. [2] Wool grown in the range areas of California, Oregon, Washington, Texas, the intermountain States (including Arizona and New Mexico), and parts of the Dakotas, Kansas, Nebraska, and Oklahoma. These wools vary considerably in shrinkage and color.

ERS, Field Crops Branch, (202) 694–5300 and AMS.

Table 7-52.—Wool: Number of sheep shorn, weight per fleece, and production, by State and United States, 2017–2018

State	Sheep		Weight per fleece		Shorn wool production	
	2017	2018	2017	2018	2017	2018
	1,000 head	*1,000 head*	*Pounds*	*Pounds*	*1,000 pounds*	*1,000 pounds*
Arizona	90.0	83.0	6.8	6.9	610	570
California	400.0	380.0	6.3	6.3	2,500	2,400
Colorado	310.0	315.0	6.8	7.0	2,100	2,200
Idaho	185.0	170.0	8.6	8.8	1,600	1,500
Illinois	33.0	32.0	6.1	6.3	200	200
Indiana	38.0	42.0	5.9	6.0	225	250
Iowa	140.0	140.0	5.6	5.4	780	760
Kansas	43.0	43.0	6.6	6.4	285	275
Kentucky	11.0	11.0	6.8	6.8	75	75
Michigan	59.0	55.0	5.8	5.9	345	325
Minnesota	112.0	102.0	6.3	6.3	700	640
Missouri	36.0	40.0	6.1	5.8	220	230
Montana	195.0	180.0	9.0	8.9	1,750	1,610
Nebraska	62.0	58.0	7.1	7.1	440	410
Nevada	46.0	47.0	9.3	9.6	430	450
New England [1]	31.0	27.0	6.8	6.7	210	180
New Mexico	81.0	82.0	7.6	7.6	615	625
New York	48.0	46.0	6.3	5.9	300	270
North Carolina	6.0	6.0	5.8	5.5	35	33
North Dakota	61.0	59.0	6.9	6.9	420	410
Ohio	80.0	79.0	5.8	5.8	460	460
Oklahoma	18.0	19.0	5.6	5.5	100	105
Oregon	130.0	130.0	6.4	6.4	830	830
Pennsylvania	47.0	46.0	6.7	6.7	315	310
South Dakota	230.0	230.0	7.6	7.6	1,750	1,750
Tennessee	10.0	10.0	5.5	5.0	55	50
Texas	240.0	240.0	7.5	7.3	1,800	1,760
Utah	245.0	245.0	9.0	9.1	2,200	2,220
Virginia	23.0	24.0	5.9	6.0	135	145
Washington	31.0	33.0	8.4	8.0	260	265
West Virginia	18.0	17.0	5.8	5.4	105	92
Wisconsin	50.0	50.0	6.6	6.6	330	330
Wyoming	280.0	285.0	8.4	8.4	2,350	2,400
Other States [2]	46.0	46.0	6.1	5.9	280	270
United States	3,435.0	3,372.0	7.2	7.2	24,810	24,400

[1] New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. [2] Includes data for States not published in this table.

NASS, Livestock Branch, (202) 720–3570.

Table 7-53.—Wool: Price and value, by State and United States, 2017–2018

State	Price per pound		Value [1]	
	2017	2018	2017	2018
	Dollars	*Dollars*	*1,000 Dollars*	*1,000 dollars*
Arizona	0.90	1.20	549	684
California	1.55	2.00	3,875	4,800
Colorado	1.80	2.10	3,780	4,620
Idaho	1.70	2.02	2,720	3,030
Illinois	0.70	0.65	140	130
Indiana	0.60	0.55	135	138
Iowa	0.52	0.59	406	448
Kansas	0.85	0.95	242	261
Kentucky	0.90	0.80	68	60
Michigan	0.60	0.65	207	211
Minnesota	0.60	0.67	420	429
Missouri	0.86	0.60	189	138
Montana	1.90	2.50	3,325	4,025
Nebraska	0.79	0.88	348	361
Nevada	2.00	2.20	860	990
New England [2]	0.90	0.85	189	153
New Mexico	1.60	2.10	984	1,313
New York	0.90	0.90	270	243
North Carolina	1.10	1.20	39	40
North Dakota	1.09	1.32	458	541
Ohio	0.50	0.40	230	184
Oklahoma	0.80	0.70	80	74
Oregon	1.65	1.65	1,370	1,370
Pennsylvania	0.60	0.60	189	186
South Dakota	1.49	1.83	2,608	3,203
Tennessee	0.90	0.80	50	40
Texas	1.63	1.80	2,934	3,168
Utah	1.80	2.00	3,960	4,440
Virginia	1.45	1.40	196	203
Washington	1.90	2.10	494	557
West Virginia	1.45	1.40	152	129
Wisconsin	0.65	0.60	215	198
Wyoming	2.00	2.50	4,700	6,000
Other States [3]	1.40	1.50	392	405
United States	1.48	1.75	36,774	42,772

[1] Production multiplied by marketing year average price. United States value is the summation of State values. [2] New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. [3] Includes data for States not published in this table.

NASS, Livestock Branch, (202) 720–3570.

Table 7-54.—Mohair: Price-support operations, United States, 2009–2018 [1]

Year	Program price levels per pound	Put under loan		Acquired by CCC under loan program [2]	Owned by CCC at end of marketing year
	Loan	Quantity	Percentage of production		
	Dollars	*1,000 pounds*	*Percent*	*1,000 pounds*	*1,000 pounds*
2009	4.20	14.5	1.37	0.0	0.0
2010	4.20	4.2	0.38	0.0	0.0
2011	4.20	0.0	0.0	0.0	0.0
2012	4.20	0.0	0.0	0.0	0.0
2013	4.20	0.0	0.0	0.0	0.0
2014	4.20	0.0	0.0	0.0	0.0
2015	4.20	0.0	0.0	0.0	0.0
2016	4.20	0.0	0.0	0.0	0.0
2017	4.20	0.0	0.0	0.0	0.0
2018	4.20	0.0	0.0	0.0	0.0

[1] Nonrecourse Marketing Loan Program authorized by the Food , Conservation, and Energy Act of 2008, as amended, for marketing years 2008-2013, and the Agricultural Act of 2014, as amended, for marketing years 2014-2018. [2] Acquisitions as of September 30, 2019.
FPAC-BC, Commodity Analysis Branch.

Table 7-55.—Mohair: Goats clipped, production, price, and value, by State and United States, 2017–2018

State	Goats clipped		Average clip per goat		Production		Price per pound		Value [1]	
	2017	2018	2017	2018	2017	2018	2017	2018	2017	2018
	Head	*Head*	*Pounds*	*Pounds*	*1,000 pounds*	*1,000 pounds*	*Dollars*	*Dollars*	*1,000 dollars*	*1,000 dollars*
Arizona	27,000	28,000	3.9	4.5	105	125	1.20	1.30	126	163
California	2,000	2,000	5.0	5.0	10	10	6.00	6.00	60	60
New Mexico	7,000	7,000	4.3	4.3	30	30	1.40	1.60	42	48
Texas	77,000	75,000	6.1	6.2	470	465	6.60	7.20	3,102	3,348
Other States [2]	21,000	21,000	6.0	6.0	125	125	2.65	2.75	331	344
United States	134,000	133,000	5.5	5.7	740	755	4.95	5.25	3,661	3,963

[1] Production multiplied by marketing year average price. U.S. value is summation of State values. [2] Includes data for States not published in this table.
NASS, Livestock Branch, (202) 720–3570.

Table 7-56—Angora goats: Inventory Jan 1, 2017–2018, and number of operations, 2017, by State and United States [1]

State	January 1 angora goats inventory		Operations with angora goats [2]
	2017	2018	2017
	Head	*Head*	*Number*
Alabama			202
Alaska			6
Arizona	35,000	30,000	2,185
Arkansas			25
California	3,400	3,500	363
Colorado			217
Connecticut			70
Delaware			5
Florida			284
Georgia			236
Hawaii			57
Idaho			107
Illinois			82
Indiana			126
Iowa			113
Kansas			75
Kentucky			266
Louisiana			95
Maine			49
Maryland			114
Massachusetts			85
Michigan			238
Minnesota	(NA)	(NA)	157
Mississippi			44
Missouri	(NA)	(NA)	192
Montana			86
Nebraska			61
Nevada			17
New Hampshire			50
New Jersey			129
New Mexico	10,500	9,500	1,196
New York			211
North Carolina			273
North Dakota			20
Ohio			241
Oklahoma			181
Oregon	(NA)	(NA)	295
Pennsylvania			290
Rhode Island			16
South Carolina			147
South Dakota			39
Tennessee			35
Texas	80,000	75,000	1,514
Utah			272
Vermont			65
Virginia			201
Washington			267
West Virginia			93
Wisconsin	(NA)	(NA)	168
Wyoming			33
United States	152,000	144,000	11,293

(NA) Not available. [1] An operation is any place having one or more head of angora goats on hand December 31. [2] State level estimates only available in conjunction with the Census of Agriculture every 5 years. [3] New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. [4] Includes data for States not published in this table.

NASS, Livestock Branch, (202) 720–3570.

Table 7-57.—Milk goats: Inventory Jan 1, 2017–2018, and number of operations, 2017, by State and United States [1]

State	January 1 milk goats inventory		Operations with milk goats [2]
	2017	2018	2017
	Head	*Head*	*Number*
Alabama	3,900	3,500	547
Alaska	(NA)		39
Arizona	(NA)		499
Arkansas	4,500	4,000	709
California	41,000	40,000	1,372
Colorado	9,000	9,000	1,124
Connecticut	(NA)	(NA)	280
Delaware	(NA)	(NA)	34
Florida	10,000	10,000	1,410
Georgia	5,000	7,100	809
Hawaii	(NA)		93
Idaho	5,000	8,000	598
Illinois	9,000	10,000	585
Indiana	11,000	11,000	1,120
Iowa	30,500	31,000	753
Kansas	4,700	4,400	525
Kentucky	5,500	6,000	1,078
Louisiana	(NA)	(NA)	368
Maine	(NA)	(NA)	395
Maryland	(NA)	(NA)	343
Massachusetts	(NA)	(NA)	335
Michigan	12,500	11,000	1,246
Minnesota	12,000	14,000	698
Mississippi	(NA)	(NA)	431
Missouri	11,000	12,000	1,382
Montana	(NA)	(NA)	400
Nebraska	3,700	3,500	419
Nevada	(NA)	(NA)	104
New England [3]	14,200	17,000	
New Hampshire	(NA)	(NA)	231
New Jersey	(NA)	(NA)	286
New Mexico	(NA)	(NA)	564
New York	13,700	13,000	1,033
North Carolina	6,400	7,000	849
North Dakota	(NA)	(NA)	164
Ohio	10,000	12,000	1,504
Oklahoma	6,000	7,000	1,142
Oregon	12,600	14,000	1,216
Pennsylvania	15,000	15,000	1,240
Rhode Island	(NA)	(NA)	59
South Carolina	3,000	3,500	479
South Dakota	(NA)	(NA)	235
Tennessee	7,000	7,500	981
Texas	26,000	29,000	3,630
Utah	(NA)	(NA)	397
Vermont	(NA)	(NA)	270
Virginia	6,000	5,500	867
Washington	7,500	7,000	982
West Virginia	(NA)	(NA)	523
Wisconsin	56,000	67,000	1,029
Wyoming	(NA)	(NA)	305
Other States [4]	33,300	31,000	
United States	395,000	420,000	35,682

(NA) Not available. [1] An operation is any place having one or more head of angora goats on hand December 31. [2] State level estimates only available in conjunction with the Census of Agriculture every 5 years. [3] New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. [4] Includes data for States not published in this table.

NASS, Livestock Branch, (202) 720–3570.

Table 7-58.—Meat and other goats: Inventory Jan 1, 2017–2018, and number of operations, 2017, by State and United States [1]

State	January 1 meat and other goats inventory		Operations with Meat goats [2]
	2017	2018	2017
	Head	*Head*	*Number*
Alabama	45,000	47,000	1,549
Alaska	(NA)	(NA)	18
Arizona	30,000	30,000	390
Arkansas	34,000	31,000	1,111
California	87,000	85,000	1,343
Colorado	25,000	23,000	1,008
Connecticut	(NA)	(NA)	123
Delaware	(NA)	(NA)	44
Florida	44,000	45,000	1,526
Georgia	57,000	60,000	1,893
Hawaii	(NA)	(NA)	194
Idaho	(NA)	(NA)	585
Illinois	24,000	25,000	867
Indiana	33,000	36,000	1,154
Iowa	35,000	40,000	1,183
Kansas	46,000	41,000	1,093
Kentucky	56,000	57,000	1,768
Louisiana	18,000	15,000	504
Maine	(NA)	(NA)	82
Maryland	(NA)	(NA)	362
Massachusetts	(NA)	(NA)	141
Michigan	(NA)	(NA)	691
Minnesota	22,000	24,000	758
Mississippi	20,000	20,000	837
Missouri	75,000	70,000	1,724
Montana	(NA)	(NA)	256
Nebraska	(NA)	(NA)	657
Nevada	(NA)	(NA)	126
New Hampshire	(NA)	(NA)	83
New Jersey	(NA)	(NA)	361
New Mexico	(NA)	(NA)	535
New York	17,000	16,000	592
North Carolina	50,000	47,000	1,658
North Dakota	(NA)	(NA)	117
Ohio	42,000	44,000	1,942
Oklahoma	92,000	82,000	2,477
Oregon	27,000	29,000	1,048
Pennsylvania	37,000	38,000	1,351
Rhode Island	(NA)	(NA)	18
South Carolina	32,000	34,000	1,216
South Dakota	(NA)	(NA)	282
Tennessee	100,000	96,000	2,875
Texas	760,000	765,000	12,511
Utah	(NA)	(NA)	385
Vermont	(NA)	(NA)	63
Virginia	45,000	41,000	1,356
Washington	18,000	19,000	723
West Virginia	21,000	21,000	809
Wisconsin	(NA)	(NA)	582
Wyoming	(NA)	(NA)	256
Other States [4]	188,000	194,000	.....
United States	2,080,000	2,075,000	53,227

(NA) Not available. [1] An operation is any place having one or more head of angora goats on hand December 31. [2] State level estimates only available in conjunction with the Census of Agriculture every 5 years. [3] New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. [4] Includes data for States not published in this table.

NASS, Livestock Branch, (202) 720–3570.

Table 7-59.—All goats: Number of operations, 2017, by State and United States [1]

State	2017 [2]
	Number
Alabama	3,279
Alaska	73
Arizona	4,721
Arkansas	2,488
California	3,938
Colorado	2,803
Connecticut	592
Delware	121
Florida	4,366
Georgia	4,063
Hawaii	609
Idaho	1,556
Illinios	2,028
Indiana	2,833
Iowa	2,400
Kansas	2,010
Kentucky	4,330
Louisiana	1,501
Maine	583
Maryland	1,085
Massachusetts	719
Michigan	2,614
Minnesota	1,996
Mississippi	2,048
Missouri	4,132
Montana	908
Nebraska	1,341
Nevada	339
New Hampshire	427
New Jersey	969
New Mexico	2,770
New York	2,192
North Carolina	4,084
North Dakota	335
Ohio	4,841
Oklahoma	5,398
Oregon	3,289
Pennsylvania	3,749
Rhode Island	102
South Carolina	2,905
South Dakota	721
Tennessee	5,802
Texas	26,143
Utah	1,392
Vermont	480
Virginia	3,449
Washington	2,609
West Virginia	2,040
Wisconsin	2,586
Wyoming	683
United States	136,442

[1] An operation is any place having one or more head of goats on hand December 31. [2] State level estimates only available in conjunction with the Census of Agriculture every 5 years. [3] New England includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

NASS, Livestock Branch, (202) 720–3570.

Table 7-60.—Red meat: Production, by class of slaughter, United States, 2009–2018

Year	Commercial		Farm	Total
	Federally inspected	Total		
	Beef			
	Million pounds			
2009	25,598	25,966	90	26,056
2010	25,954	26,305	84	26,389
2011	25,854	26,195	75	26,270
2012	25,573	25,913	76	25,989
2013	25,385	25,720	70	25,790
2014	23,932	24,249	66	24,315
2015	23,395	23,698	63	23,760
2016	24,908	25,221	67	25,288
2017	25,856	26,188	63	26,251
2018	26,536	26,873	66	26,939
	Pork, excluding lard			
	Million pounds			
2009	22,827	22,999	21	23,020
2010	22,275	22,437	19	22,456
2011	22,599	22,758	17	22,775
2012	23,090	23,253	15	23,268
2013	23,040	23,187	16	23,203
2014	22,710	22,843	15	22,858
2015	24.355	24,501	16	24,517
2016	24,789	24,941	16	24,957
2017	25,437	25,584	14	25,598
2018	26,178	26,315	14	26,330
	Veal			
	Million pounds			
2009	135	138	8	147
2010	131	134	8	143
2011	126	130	7	136
2012	115	118	7	125
2013	109	111	6	117
2014	92	94	6	100
2015	81	83	5	88
2016	74	76	6	81
2017	73	74	6	80
2018	74	76	5	80
	Lamb and Mutton			
	Million pounds			
2009	162	171	5	175
2010	154	164	5	168
2011	141	149	5	153
2012	148	156	5	161
2013	146	156	5	161
2014	145	156	5	161
2015	139	151	5	156
2016	138	150	5	155
2017	132	145	5	150
2018	140	153	5	158
	All meat, excluding lard			
	Million pounds			
2009	48,721	49,274	124	49,398
2010	48,514	49,039	116	49,155
2011	48,721	49,232	103	49,335
2012	48,925	49,440	103	49,543
2013	48,679	49,174	97	49,271
2014	46,879	47,342	91	47,433
2015	47,970	48,432	89	48,520
2016	49,909	50,388	93	50,481
2017	51,497	51,992	88	52,079
2018	52,927	53,417	90	53,507

NASS, Livestock Branch, (202) 720–3570.

Table 7-61.—Meat: United States exports and imports into the United States, carcass weight equivalent, 2009–2018 [1]

Year	Exports				Imports			
	Beef and veal	Lamb and mutton	Pork [2]	All meat	Beef & veal	Lamb and mutton	Pork [2]	All meat
	Million pounds	*Million pounds*	*Million pounds*	*Million pounds*	*Million pounds*	*Million pounds*	*Million pounds*	*Million pounds*
2009	1,935	16	4,095	6,046	2,626	171	834	3,631
2010	2,300	16	4,223	6,539	2,298	166	859	3,323
2011	2,785	19	5,196	8,000	2,057	162	803	3,022
2012	2,452	11	5,379	7,842	2,220	154	802	3,175
2013	2,588	7	4,986	7,582	2,250	173	880	3,302
2014	2,574	7	5,092	7,672	2,947	195	1,011	4,153
2015	2,267	4	5,010	7,282	3,368	214	1,116	4,698
2016	2,557	5	5,239	7,801	3,012	216	1,091	4,319
2017	2,860	6	5,632	8,497	2,993	252	1,116	4,361
2018	3,156	6	5,870	9,032	2,998	273	1,042	4,313

[1] Carcass weight equivalent of all meat, including the meat content of minor meats and of mixed products. Shipments to U.S. Territories are included in domestic consumption. [2] The pork series has been revised to a dressed weight equivalent rather than ''Pork, excluding lard.''

ERS, Market and Trade Economics Division, Animal Products and Cost of Production Branch, (202) 694–5409. Data on imports and commercial exports are computed from records of the U.S. Department of Commerce, those on exports by the U.S. Department of Agriculture are separately estimated from deliveries and stocks.

Table 7-62.—International Meat: Production, 2016–2018

Country	2016	2017	2018
	1,000 metric tons		
Beef and veal:			
United States	11,507	11,943	12,253
Brazil	9,284	9,550	9,900
European Union	7,880	7,869	8,030
China	6,169	6,346	6,440
India	4,200	4,250	4,300
Argentina	2,650	2,840	3,050
Australia	2,125	2,149	2,306
Mexico	1,879	1,925	1,980
Pakistan	1,750	1,780	1,800
Turkey	1,484	1,399	1,400
Russia	1,335	1,296	1,336
Canada	1,130	1,201	1,260
South Africa	1,090	1,003	1,033
Colombia	792	758	773
New Zealand	648	654	670
Swine:			
China	54,255	54,518	54,040
European Union	23,866	23,660	24,300
United States	11,320	11,611	11,942
Brazil	3,700	3,725	3,763
Russia	2,870	2,990	3,155
Vietnam	2,701	2,741	2,801
Canada	1,914	1,959	1,930
Philippines	1,540	1,563	1,602
Korea, South	1,266	1,280	1,329
Mexico	1,211	1,267	1,321
Japan	1,279	1,272	1,284
Taiwan	827	811	820
Ukraine	783	769	680
Argentina	522	565	620
Chile	508	489	534

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 7-63.—Meat: U.S. exports, 2016–2018

Country	2016	2017	2018
	Metric tons		
Beef & veal, prep/pres:			
Canada	25,238	25,394	25,651
Hong Kong	5,888	5,629	1,958
Mexico	695	1,002	905
Korea, South	49	266	686
Panama	58	148	218
Philippines	140	37	176
Chile	187	109	168
Guatemala	121	101	143
Australia(*)	341	580	105
New Zealand(*)	57	113	103
Malaysia	0	9	99
Kuwait	88	73	92
Dominican Republic	77	189	86
Jamaica	42	25	68
Trinidad and Tobago	313	30	67
Costa Rica	16	37	60
Bahamas, The	39	51	43
Japan	51	16	42
Honduras	29	38	41
Micronesia	35	57	39
Netherlands	175	8	37
Leeward-Windward Islands(*)	36	40	31
Germany(*)	77	22	29
United Arab Emirates	144	46	24
Bermuda	26	19	23
El Salvador	16	10	21
Netherlands Antilles(*)	88	25	20
United Kingdom	0	0	19
Cayman Islands	5	9	18
Bahrain	16	13	16
Rest of World	314	228	118
World Total	34,358	34,321	31,103
Sausages & bologna:			
Canada	39,633	42,989	42,865
Hong Kong	21,405	21,927	23,419
Mexico	12,130	10,767	10,437
Korea, South	5,008	6,311	5,910
Panama	1,668	1,912	3,980
Philippines	1,985	1,875	1,506
Chile	1,119	1,093	1,134
Guatemala	806	869	1,021
Australia(*)	703	734	721
New Zealand(*)	350	300	609
Malaysia	612	678	589
Kuwait	279	297	528
Dominican Republic	328	304	426
Jamaica	467	462	414
Trinidad and Tobago	108	142	405
Costa Rica	167	243	393
Bahamas, The	187	325	385
Japan	365	599	324
Honduras	200	250	290
Micronesia	245	329	259
Netherlands	0	451	253
Leeward-Windward Islands(*)	245	248	246
Germany(*)	65	121	210
United Arab Emirates	92	101	209
Bermuda	98	113	140
El Salvador	35	251	114
Netherlands Antilles(*)	124	114	113
United Kingdom	187	70	108
Cayman Islands	40	31	102
Bahrain	55	67	84
Rest of World	998	758	831
World Total	89,702	94,729	98,024

See footnote(s) at end of table.

Table 7-63.—Meat: U.S. exports, 2016–2018—Continued

Country	2016	2017	2018
	Metric tons		
Pork, fr/ch/fz:			
Mexico	553,077	621,597	621,704
Japan	361,531	365,131	364,691
Korea, South	122,697	157,965	220,412
Canada	98,007	105,133	105,399
China	177,538	127,452	105,170
Colombia	39,847	63,097	91,742
Australia(*)	56,133	61,931	72,014
Dominican Republic	22,449	27,934	38,088
Honduras	24,370	27,041	28,942
Chile	14,412	23,291	26,539
Philippines	17,171	19,121	20,530
Hong Kong	47,462	43,570	18,201
Guatemala	12,391	13,026	14,191
Taiwan	5,922	9,537	13,047
Panama	7,859	7,060	9,461
El Salvador	3,638	4,842	6,791
Nicaragua	3,998	5,140	6,419
New Zealand(*)	4,957	5,105	6,143
Peru	2,272	3,843	5,524
Vietnam	1,240	2,821	5,524
Costa Rica	3,893	3,811	4,691
Bahamas, The	4,604	4,855	4,021
Singapore	2,429	3,841	2,608
Trinidad and Tobago	2,669	2,130	1,964
Leeward-Windward Islands(*)	1,469	1,585	1,825
Netherlands Antilles(*)	1,171	1,259	1,227
United Kingdom	970	944	1,087
Albania	490	900	852
Ecuador	305	623	835
Germany(*)	522	464	644
Rest of World	5,058	6,509	5,750
World Total	1,600,549	1,721,555	1,806,035
Pork, hams/shldrs,cured:			
Canada	27,695	18,459	17,705
Panama	2,321	2,231	2,437
Mexico	8,680	3,339	1,387
Australia(*)	2,053	2,339	863
Belize	628	550	734
Trinidad and Tobago	570	593	620
Albania	0	197	587
Netherlands Antilles(*)	516	486	529
China	20	321	523
Colombia	431	440	513
Bahamas, The	397	278	397
Hong Kong	9	28	299
Barbados	206	181	160
Leeward-Windward Islands(*)	159	161	138
Korea, South	17	203	123
Japan	1,144	540	118
Philippines	238	228	95
Congo (Brazzaville)	0	147	74
Honduras	40	22	63
Guatemala	106	47	63
Dominican Republic	37	19	60
Italy(*)	0	0	52
El Salvador	61	0	51
Peru	66	21	33
Haiti	61	26	32
Spain	19	0	22
Netherlands	25	17	16
Costa Rica	127	47	14
Turks and Caicos Islands	3	6	11
New Zealand(*)	0	1	10
Rest of World	177	118	27
World Total	45,807	31,044	27,756

See footnote(s) at end of table.

Table 7-63.—Meat: U.S. exports, 2016–2018—Continued

Country	2016	2017	2018
	Metric tons		
Pork, bacon, cured:			
Mexico	13,483	14,912	12,283
Canada	7,795	8,794	7,399
Japan	2,401	3,148	3,316
Korea, South	1,890	2,617	3,195
Australia(*)	616	1,186	1,853
French Pacific Islands(*)	317	369	1,152
Dominican Republic	606	711	799
New Zealand(*)	771	1,246	777
Samoa	75	102	444
Colombia	291	364	421
Hong Kong	392	602	387
Bahamas, The	105	183	367
Chile	540	486	345
Guatemala	477	503	344
Costa Rica	355	490	298
Singapore	242	274	281
Panama	277	340	160
Netherlands Antilles(*)	111	89	134
El Salvador	99	120	125
Honduras	111	156	107
Bermuda	83	126	102
Cayman Islands	72	136	101
Leeward-Windward Islands(*)	120	128	101
Trinidad and Tobago	29	55	83
Turks and Caicos Islands	35	50	49
Philippines	81	26	42
Peru	79	73	41
United Arab Emirates	98	91	35
Guyana	23	34	30
Jamaica	1	6	28
Rest of World	518	296	86
World Total	32,090	37,710	34,882
Pork, prep/pres, nt/cn:			
Canada	54,774	56,607	56,817
Mexico	15,353	17,305	11,787
Japan	1,318	4,131	5,899
Korea, South	1,139	875	1,092
Colombia	926	883	685
Chile	106	213	620
Philippines	539	918	442
Panama	860	207	306
Hong Kong	511	327	289
Micronesia	209	273	227
Costa Rica	64	95	164
Dominican Republic	127	91	136
Peru	26	52	101
El Salvador	263	126	79
Guatemala	58	82	78
Australia(*)	571	99	67
Honduras	58	109	62
Bahamas, The	56	53	60
Netherlands Antilles(*)	121	99	57
Marshall Islands	40	43	47
Taiwan	30	33	45
Leeward-Windward Islands(*)	21	45	44
Barbados	3	16	25
Other Pacific Islands, NEC(*)	0	0	23
Trinidad and Tobago	72	73	19
Bermuda	9	12	14
New Zealand(*)	0	0	12
Haiti	14	5	11
Nicaragua	8	25	11
Singapore	192	166	10
Rest of World	1,004	60	27
World Total	78,472	83,021	79,256

See footnote(s) at end of table.

Table 7-63.—Meat: U.S. exports, 2016–2018—Continued

Country	2016	2017	2018
	Metric tons		
Pork, prep/pres, canned:			
Philippines	5,834	6,566	8,854
Japan	10,684	9,572	6,234
Australia(*)	2,988	4,225	3,896
Dominican Republic	1,383	1,373	2,639
Korea, South	1,546	1,966	2,026
Panama	1,418	1,699	1,573
Hong Kong	1,922	2,058	1,476
New Zealand(*)	619	578	644
Colombia	291	385	521
Mexico	731	365	501
Singapore	540	361	408
Costa Rica	246	116	325
Netherlands Antilles(*)	226	170	179
Guatemala	555	700	147
Vietnam	110	109	127
Chile	19	59	111
El Salvador	75	99	98
Trinidad and Tobago	125	145	94
United Arab Emirates	93	124	89
Taiwan	198	85	81
Honduras	105	112	80
Nicaragua	60	46	52
Jamaica	21	46	48
French Pacific Islands(*)	56	51	45
Leeward-Windward Islands(*)	31	32	41
Indonesia	27	14	41
Malaysia	26	27	40
Haiti	27	13	33
Belize	64	32	19
Bahamas, The	45	33	18
Rest of World	3,379	551	77
World Total	33,443	31,709	30,517
Lamb & mutton; fr/ch/fz:			
Mexico	984	877	685
United Arab Emirates	24	96	361
Bahamas, The	109	142	219
Canada	101	224	132
Leeward-Windward Islands(*)	90	81	108
Jamaica	14	52	95
Netherlands Antilles(*)	119	155	83
Dominican Republic	30	25	74
Trinidad and Tobago	28	60	72
Japan	0	41	69
Bermuda	131	99	67
Turks and Caicos Islands	36	26	58
Costa Rica	48	29	43
Barbados	55	25	41
Singapore	32	31	31
Taiwan	2	37	30
Guatemala	1	48	23
Netherlands	118	30	23
United Kingdom	0	0	22
Spain	22	10	19
Philippines	45	13	19
Micronesia	0	0	16
Italy(*)	24	18	14
Panama	34	49	13
Marshall Islands	0	0	11
Uruguay	1	5	10
Vietnam	40	10	8
Guyana	2	12	7
Kuwait	7	1	5
Australia(*)	11	51	4
Rest of World	158	189	41
World Total	2,266	2,435	2,404

See footnote(s) at end of table.

Table 7-63.—Meat: U.S. exports, 2016–2018—Continued

Country	2016	2017	2018
	Metric tons		
Other meat products, fr/ch/fz:			
Canada	12	15	75
Japan	107	74	72
Mexico	0	0	28
Korea, South	1	34	26
Philippines	6	0	21
Hong Kong	0	0	19
Belize	0	0	11
Guatemala	0	6	6
Panama	0	4	5
United Kingdom	1	0	5
Singapore	0	0	3
Bahamas, The	0	0	3
China	0	1	3
Taiwan	11	21	2
Costa Rica	7	1	1
Netherlands Antilles(*)	1	0	1
Dominican Republic	0	0	1
Chile	32	12	1
Australia(*)	148	99	0
Rest of World	0	17	0
United Kingdom	4	0	0
Singapore	13	0	0
Bahamas, The	0	32	0
China	0	18	0
Taiwan	3	0	0
Costa Rica	1	3	0
Netherlands Antilles(*)	1	0	0
Dominican Republic	0	36	0
Rest of World	86	39	0
World Total	433	410	281
Variety meats, other:			
Mexico	14,270	12,633	18,330
Hong Kong	5,616	7,140	8,606
Korea, South	2,270	3,079	3,400
Taiwan	763	1,085	1,123
South Africa	22	257	583
Canada	1,261	519	432
Netherlands	47	28	426
Japan	255	323	240
Chile	330	143	140
Denmark(*)	254	55	138
Egypt	0	0	116
Belgium-Luxembourg(*)	0	117	115
Colombia	24	148	111
Guatemala	46	41	86
Honduras	88	66	84
Peru	282	423	76
Suriname	15	34	76
Costa Rica	38	136	72
Ecuador	0	61	65
Albania	0	0	63
Gabon	0	27	51
Trinidad and Tobago	18	90	47
Venezuela	0	0	44
China	875	128	41
Leeward-Windward Islands(*)	46	93	36
Bolivia	0	0	25
Angola	0	0	24
Benin	0	0	24
Singapore	347	67	22
Dominican Republic	44	23	20
Rest of World	1,37981	951	167
World Total	28,289	27,665	34,781

See footnote(s) at end of table.

Table 7-63.—Meat: U.S. exports, 2016–2018—Continued

Country	2016	2017	2018
	Metric tons	*Metric tons*	*Metric tons*
Variety meats, pork:			
Mexico	132,038	128,423	112,777
Hong Kong	131,410	139,741	110,634
China	151,648	147,615	80,970
Canada	13,128	18,587	17,503
Philippines	10,602	11,374	17,272
Japan	10,888	11,039	13,968
Korea, South	6,633	7,266	12,273
Vietnam	498	0	10,185
Taiwan	3,060	3,352	4,822
Guatemala	2,442	2,090	3,056
Chile	2,074	3,386	2,752
Panama	1,227	1,358	2,343
Colombia	2,439	3,740	2,033
Honduras	667	423	1,341
Trinidad and Tobago	522	656	1,221
Dominican Republic	894	532	902
Haiti	720	664	538
South Africa	504	689	487
Leeward-Windward Islands(*)	503	657	432
Costa Rica	246	194	361
Australia(*)	120	23	297
Singapore	432	458	289
El Salvador	246	250	264
Peru	372	559	242
Bahamas, The	44	62	135
Netherlands Antilles(*)	226	161	122
Nicaragua	0	21	102
Congo (Kinshasa)	0	0	100
Barbados	60	63	64
Turks and Caicos Islands	158	141	43
Rest of World	327	803	316
World Total	3474,130	484,324	397,841

(*)Denotes a country that is a summarization of its component countries. Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.
FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 7-64.—Meat, beef, veal, and swine: International trade, imports and exports, 2016–2018

Country	2016	2017	2018
	1,000 metric tons		
Principle exporters, beef and veal:			
Brazil	1,698	1,856	2,083
Australia	1,480	1,485	1,662
India	1,764	1,849	1,556
United States	1,160	1,297	1,432
New Zealand	587	593	633
Argentina	216	293	508
Canada	441	461	502
Uruguay	421	436	466
Paraguay	389	378	365
European Union	349	369	351
Mexico	258	280	310
Belarus	225	206	219
Nicaragua	136	164	158
Pakistan	66	59	60
Ukraine	50	60	60
Principle importers, beef and veal:			
China	812	974	1,467
United States	1,366	1,358	1,360
Japan	719	817	865
Korea, South	513	531	582
Hong Kong	453	543	541
Russia	524	516	483
European Union	368	338	370
Chile	298	281	317
Egypt	340	250	300
Canada	243	228	233
Malaysia	218	211	215
Mexico	188	196	202
Philippines	163	169	195
Taiwan	154	160	176
Iran	153	207	126
Principle exporters, swine:			
European Union	3,130	2,858	2,934
United States	2,376	2,554	2,663
Canada	1,320	1,351	1,330
Brazil	832	786	730
China	191	208	203
Chile	173	171	200
Mexico	141	170	178
Australia	38	43	47
Russia	25	37	45
Vietnam	65	50	35
South Africa	15	18	19
Belarus	11	13	14
Serbia	11	16	14
Argentina	2	3	8
Norway	5	6	5
Principle importers, swine:			
China	2,181	1,620	1,561
Japan	1,361	1,475	1,481
Mexico	1,021	1,083	1,188
Korea, South	615	645	753
United States	495	506	473
Hong Kong	429	463	423
Philippines	195	241	286
Canada	215	222	233
Australia	210	215	216
Colombia	66	99	128
Singapore	117	117	125
Taiwan	77	111	109
Chile	73	96	98
Russia	347	374	87
New Zealand	62	62	66

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 7-65.—Meats: Production and consumption, United States, 2009–2018 [1]

Year	Beef			Veal			Lamb and mutton		
	Production	Consumption		Production	Consumption		Production	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	Million pounds	*Million pounds*	*Pounds*	*Million pounds*	*Million pounds*	*Pounds*	*Million pounds*	*Million pounds*	*Pounds*
2009	26,068	26,836	87.3	147	147	0.5	177	338	1.1
2010	26,412	26,390	85.2	145	150	0.5	168	318	1.0
2011	26,281	25,538	81.8	136	137	0.4	153	295	0.8
2012	25,989	25,748	81.9	125	123	0.4	161	299	1.0
2013	25,790	25,476	80.5	117	119	0.4	161	324	1.0
2014	24,316	24,682	77.4	100	98	0.3	161	340	1.1
2015	23,760	24,769	77.2	88	88	0.3	155	357	1.1
2016	25,288	25,669	79.4	81	73	0.2	155	381	1.2
2017	26,250	26,492	81.4	80	78	0.2	150	396	1.2
2018	26,938	26,767	81.7	81	89	0.3	158	416	1.3

Year	Pork			All meats		
	Production	Consumption		Production	Consumption	
		Total	Per capita		Total	Per capita
	Million pounds	*Million pounds*	*Pounds*	*Million pounds*	*Million pounds*	*Pounds*
2009	23,020	19,870	64.7	49,412	47,191	154
2010	22,456	19,076	61.6	49,181	45,934	148
2011	22,775	18,382	58.9	49,232	44,351	142
2012	23,268	18,607	59.2	49,543	44,778	142
2013	23,203	19,104	60.4	49,271	45,022	142
2014	22,858	18,836	59.1	47,435	43,955	138
2015	24,517	20,592	64.6	48,520	45,806	143
2016	24,957	20,892	64.6	50,481	47,015	145
2017	25,598	21,034	64.5	52,078	48,000	148
2018	26,330	21,497	65.7	53,507	48,769	149

[1] Carcass weight equivalent or dressed weight. Beginning 1977, pork production was no longer reported as ''pork, excluding lard.'' This series has been revised to reflect pork production in prior years on a dressed weight basis that is comparable with the method used to report beef, veal, and lamb and mutton. Edible offals are excluded. Shipments to the U.S. territories are included in domestic consumption.

ERS, Animal Products and Cost of Production Branch, (202) 694–5409.

Table 7-66.—Hides, packer: Average price per piece, Central U.S., 2009–2018

Year	Steers				Heifers	
	Heavy native	Heavy Texas	Butt branded	Colorado branded	Heavy native	Branded
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
2009	45.29	44.10	42.70	31.84	29.00	31.86
2010	71.93	72.30	70.77	67.31	63.44	67.57
2011	82.17	81.70	80.77	76.42	74.39	71.17
2012	84.53	84.23	84.28	79.83	71.77	70.19
2013	98.73	95.74	98.56	94.38	84.68	82.90
2014	110.98	106.37	108.95	103.05	93.45	89.68
2015	84.29	77.13	82.57	75.98	65.00	59.76
2016	73.88	68.02	72.37	60.11	58.39	53.00
2017	67.05	59.13	65.21	(NA)	51.77	42.76
2018	68.19	39.29	50.98	39.36	38.17	33.72

(NA) Not available.

AMS, Livestock & Grain Market News, (202) 720–7316.

Table 7-67.—Hides and skins: United States imports by country of origin, 2016–2018

Country of origin	2016	2017	2018
	Number		
Furskins:			
Canada	2,496,944	1,994,593	915,266
Ukraine	225,328	184,949	207,500
Belgium-Luxembourg(*)	78,351	121,399	200,362
Finland	45,885	48,652	64,193
Uruguay	50,015	42,840	46,379
United Kingdom	235	24	19,215
Poland	104,034	24,029	16,251
Mexico	10,329	13,088	12,163
Denmark(*)	10,434	9,477	6,493
Russia	4,256	2,377	5,597
Romania	273	1,241	3,913
Netherlands	130,426	19,429	2,741
France(*)	93	32	1,742
Latvia	458	708	1,524
Greece	87,173	113,477	891
Sweden	169,238	110,770	732
United Arab Emirates	608	788	715
China	12,607	12,165	672
Lithuania	741	842	532
Italy(*)	528	810	463
Germany(*)	152	0	183
Korea, South	0	0	101
Switzerland(*)	28	632	82
India	0	0	60
Taiwan	0	0	30
Armenia	0	107	25
Bulgaria	13	10	12
Slovakia	52,000	21	11
Hong Kong	0	6,600	8
Japan	0	0	4
Rest of World	73,137	80,207	6
World Total	3,553,286	2,789,267	1,507,866
	Pieces		
Hides and skins:			
Canada	794,196	625,096	653,848
United Kingdom	77,372	445,751	426,434
Belgium-Luxembourg(*)	139,405	203,691	196,535
Brazil	8,218	18,484	19,641
New Zealand(*)	1,948	4,076	16,504
Argentina	17,658	15,731	15,211
Colombia	107,074	27,056	13,694
Spain	320	515	13,096
Italy(*)	11,855	10,270	10,563
Mexico	69,436	16,644	9,235
France(*)	6	115	6,549
China	8,517	209	4,939
Sweden	1	4	4,922
Thailand	20,268	5,746	4,747
Australia(*)	1	5,200	3,429
Cote d'Ivoire	1,610	2,658	2,139
Pakistan	1,100	807	1,217
India	2,777	311	411
Senegal	0	200	401
Indonesia	198	211	364
Guinea	200	177	350
Netherlands	0	0	120
Korea, South	2	0	100
South Africa	3,393	124	41
Denmark(*)	1,110	0	32
Turkey	696	4	32
Japan	0	0	27
Singapore	2,004	6	21
Uganda	2	11	17
Zambia	26	0	7
Rest of World	1,066,788	66,689	15
World Total	2,336,181	1,449,786	1,404,641

(*) Denotes a country that is a summarization of its component countries.
FAS, Office of Global Analysis, (202) 720–6301.

Table 7-68.—Hides: U.S. trade exports, 2016–2018

Country	2016	2017	2018
	Pieces		
Cattle hides, whole:			
China	10,485,835	11,911,525	10,564,005
Korea, South	2,689,744	2,859,399	3,173,248
Mexico	2,046,260	1,816,057	2,063,478
Thailand	304,712	1,082,358	1,621,509
Taiwan	482,135	563,176	387,347
Italy(*)	701,954	363,965	296,751
Indonesia	52,892	232,215	192,279
Japan	166,161	173,884	184,789
Brazil	622	34,355	164,226
Turkey	91,763	127,818	128,043
India	108,288	77,627	77,831
Slovenia	0	4,959	77,747
Costa Rica	65,066	73,001	75,133
Netherlands	69,470	33,036	64,156
Bosnia and Herzegovina	45,595	83,510	55,347
Israel(*)	52,809	61,728	47,955
Vietnam	125,578	56,478	35,341
Germany(*)	17,760	18,074	23,875
Hong Kong	47,986	38,326	20,225
Spain	14,160	8,796	16,837
Pakistan	1,776	17,543	5,752
Croatia	2,460	0	4,760
Haiti	4,000	2,096	2,720
Belgium-Luxembourg(*)	79,487	66,007	2,675
Bangladesh	0	0	1,785
Philippines	560	332	1,680
South Africa	0	0	1,620
Austria	0	1,013	1,539
Djibouti	0	0	1,330
Chile	565	5,490	1,190
Rest of World	119,321	13,541	3,766
World Total	17,776,959	19,726,309	19,298,939
Sheep & lambskins:			
China	932,512	818,429	635,279
Turkey	514	56,760	116,840
Russia	5,100	19,200	55,860
Poland	1,815	3,667	28,310
Mexico	14,485	32,089	18,615
Brazil	1,048	15,392	13,109
Germany(*)	14,328	9,125	11,683
Canada	4,986	3,015	2,987
United Kingdom	0	137	2,800
Spain	0	0	2,685
Pakistan	0	0	748
Bosnia and Herzegovina	9,875	0	0
Colombia	0	90	0
Egypt	1,041	0	0
India	3,547	0	0
Italy(*)	0	500	0
Korea, South	0	2,155	0
Netherlands Antilles(*)	0	667	0
Uruguay	2,870	0	0
World Total	992,21	961,226	888,916
Pig and hog skins, pieces:			
Mexico	1,924,492	1,814,236	1,611,564
Thailand	340,637	1,434,179	1,185,799
Taiwan	2,019,552	1,345,099	354,590
Cambodia	0	83,899	189,891
China	56,024	142,393	123,002
United Kingdom	91,000	91,000	106,122
Vietnam	6,910	151,796	50,608
Japan	9,015	26,439	5,808
Poland	3,625	12,176	2,675
Barbados	0	0	395
Canada	0	0	315
Korea, South	4,363	1,746	40
Belgium-Luxembourg(*)	0	1,000	0
Singapore	0	384	0
World Total	4,455,618	5,104,347	3,630,809

See footnote(s) at end of table.

Table 7-68.—Hides: U.S. trade exports, 2016–2018—Continued

Country	2016	2017	2018
	Number		
Mink furskins, undressed:			
Canada	3,360,196	2,925,683	4,197,612
Korea, South	995,621	895,630	575,934
Denmark(*)	237,091	28,021	499,637
Finland	187,278	231,616	211,846
Thailand	92,694	196,140	74,392
China	1,962,681	1,569,986	70,462
Cambodia	136,199	278,688	41,533
Malaysia	300	39,513	40,045
Germany(*)	43,146	104,088	27,936
Vietnam	347,015	271,871	18,453
Greece	107,483	165,446	14,571
Peru	0	0	9,070
Portugal	2,711	0	6,552
Italy(*)	19,463	24,573	4,365
Burma	0	0	3,106
Turkey	300	4,766	2,817
Mexico	0	79	2,219
France(*)	6,909	16,746	800
Kenya	0	0	800
Austria	2,223	1,528	710
Hong Kong	95,255	60,265	180
United Kingdom	5,242	25,142	94
Rest of World	63,258	28,626	0
World Total	7,665,065	6,868,407	5,803,134
Other furskins, whole:			
Canada	750,611	491,395	853,684
China	342,978	566,762	427,458
Hong Kong	142,794	95,216	154,208
Portugal	76,085	10,028	45,015
Belgium-Luxembourg(*)	0	0	41,077
Germany(*)	7,415	7,247	24,168
Italy(*)	3,623	1,905	23,707
Cambodia	11,188	10,552	19,878
Pakistan	25,625	15,860	15,900
France(*)	23,732	13,604	3,697
Vietnam	0	0	3,449
Greece	676	3,663	1,625
Indonesia	0	0	685
Finland	0	0	500
Turkey	0	0	416
Spain	0	0	259
Switzerland(*)	0	0	200
United Kingdom	5,308	0	157
Rest of World	79,705	16,102	0
World Total	1,469,740	1,232,334	1,616,083
	Pieces		
Other hides & skins, mixed:			
China	2,447,712	2,101,203	1,412,731
Korea, South	870,687	950,040	569,457
France(*)	170,128	111,452	191,310
Italy(*)	181,171	176,726	155,784
Singapore	120,854	112,650	105,229
Thailand	404,508	236,514	99,996
Germany(*)	65,527	44,920	66,124
Taiwan	59,161	48,976	56,575
Mexico	167,955	205,621	52,770
Indonesia	0	2,720	45,331
Haiti	5,584	17,574	29,546
Canada	10,286	58,714	26,047
Brazil	46,786	51,668	17,374
Hong Kong	19,845	45,185	9,131
Vietnam	16,855	17,799	7,094
Japan	6,460	5,932	7,056
Malaysia	14,930	7,594	5,973
Israel(*)	0	0	3,507
Portugal	417	0	2,985
Pakistan	340	1,200	2,449
New Zealand(*)	0	0	2,000
Honduras	0	0	1,757
Rest of World	3,474	16,391	1,941
World Total	4,612,680	4,212,879	2,872,167

(*) Denotes a country that is a summarization of its component countries.
FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 7-69.—Mink: Farms, pelts produced, average price, and value, United States, 2009–2018

Year	Mink farms	Pelts produced	Average marketing price	Value of mink pelts
	Number	*Number*	*Dollars*	*Dollars*
2009	278	2,866,700	65.10	186,622,170
2010	265	2,840,200	81.90	232,612,380
2011	268	3,091,470	94.30	291,525,621
2012 [1]	(NA)	(NA)	(NA)	(NA)
2013	(NA)	3,544,610	56.30	199,561,543
2014	(NA)	3,741,150	57.70	215,864,355
2015	(NA)	3,682,960	32.00	117,854,720
2016	(NA)	3,454,410	34.70	119,868,027
2017	(NA)	3,305,440	36.30	119,987,472
2018				

(NA) Not available. [1] Due to sequestration the Mink report was suspended.
NASS, Livestock Branch, (202) 720–3570.

Table 7-70.—Mink pelts: Pelts produced by color class, selected States, and United States, 2017

State	Black	Demi/Wild	Pastel	Sapphire	Blue Iris	Mahogany
	Number	*Number*	*Number*	*Number*	*Number*	*Number*
Idaho	94,000	(D)	14,000	11,500	(D)	165,000
Illinois	51,000	-	-	(D)	-	(D)
Iowa	44,000	-	(D)	2,900	(D)	36,000
Michigan	59,000	-	500	200	(D)	1,200
Minnesota	(D)	(D)	(D)	(D)	(D)	37,000
Montana	(D)	(D)	-	-	-	-
Ohio	(D)	(D)	-	(D)	-	(D)
Oregon	210,000	-	-	(D)	44,000	(D)
Pennsylvania	33,000	(D)	5,500	11,500	(D0	(D)
Utah	280,000	24,000	33,000	45,000	1,900	285,000
Washington	27,000	-	-	-	(D)	(D)
Wisconsin	690,000	(D)	33,000	39,000	116,000	49,000
Other States [1]	151,150	86,010	11,810	88,800	40,730	56,200
United States	1,639,150	110,010	97,810	198,900	184,120	629,400

State	Pearl	Lavender	Violet	White	Other	Total [2]
	Number	*Number*	*Number*	*Number*	*Number*	*Number*
Idaho	-	(D)	(D)	(D)	(D)	313,500
Illinois	(D)	-	-	(D)	-	81,100
Iowa	-	-	-	(D)	-	88,210
Michigan	-	3,500	(D)	7,500	-	77,700
Minnesota	-	-	(D)	31,000	(D)	180,580
Montana	-	-	-	-	-	(D)
Ohio	(D)	(D)	(D)	(D)	-	(D)
Oregon	-	(D)	(D)	-	-	283,670
Pennsylvania	(D)	(D)	(D)	(D)	(D)	68,130
Utah	(D)	(D)	(D)	(D)	(D)	734,260
Washington	-	-	-	-	-	44,000
Wisconsin	-	20,000	(D)	151,000	(D)	1,091,180
Other States [1]	115,510	10,630	42,730	52,730	11,450	343,110
United States	115,510	34,130	42,730	242,230	11,450	3,305,440

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. [1] Other States include New Hampshire, New Jersey, New York, North Carolina, South Dakota, and some pelts from the above listed States that were not published to avoid disclosing individual operations. [2] Published color classes may not add to the State total to avoid disclosing individual operations.
NASS, Livestock Branch, (202) 720–3570.

Table 7-71.—Livestock: Inventory and value, United States, Jan. 1, 2016–2018

Class of livestock and poultry	Inventory			Value					
	2016	2017	2018	Per head [1]			Total		
				2016	2017	2018	2016	2017	2018
	1,000	*1,000*	*1,000*	*Dollars*	*Dollars*	*Dollars*	*1,000 Dollars*	*1,000 Dollars*	*1,000 Dollars*
Angora goats [2]	150	152	144	117	130	124	14,757	16,827	14,584
Cattle	91,888	93,624	94,298	1,410	1,109	1,146	129,562,080	103,829,681	108,065,508
Chickens [3]	500,608	514,838	527,573	4.23	4.20	4.33	2,115,245	2,162,545	2,284,164
Hogs [3]	71,345	73,145	74,915	92	99	98	6,578,419	7,206,965	7,298,943
Sheep and lambs	5,295	5,270	5,265	202	203	204	1,071,467	1,067,857	1,071,378

[1] Based on reporters' estimates of average price per head in their localities. [2] Four-State total for angora goats (Arizona, California, New Mexico, Texas). [3] Dec. 1 of preceding year.
NASS, Livestock Branch, (202) 720–3570.

Table 7-72.—Livestock: Market year for specified commodities

Cattle market year average price received: United States marketing years 2009–2018 [1]

Year	Cows [2]	Steers and heifers	Calves	Beef cattle [3]	Milks cows [4]
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
2009	44.80	85.40	105.00	80.30	1,390.00
2010	54.80	97.70	117.00	92.20	1,330.00
2011	71.20	117.00	142.00	113.00	1,420.00
2012	81.70	123.00	172.00	121.00	1,430.00
2013	82.30	126.00	181.00	125.00	1,380.00
2014	107.00	153.00	261.00	152.00	1,830.00
2015	103.00	148.00	247.00	147.00	1,990.00
2016	74.30	121.00	158.00	119.00	1,760.00
2017	69.10	122.00	168.00	120.00	1,620.00
2018	62.60	117.00	170.00	115.00	1,360.00

Hog market year average price received: United States marketing years 2008–2017 [5]

Year	Barrows and gilts	Sows	All Hogs
	Dollars	*Dollars*	*Dollars*
2008	47.90	29.20	47.00
2009	42.00	36.10	41.60
2010	54.40	48.70	54.10
2011	65.70	57.50	65.30
2012	64.60	51.30	64.20
2013	67.30	62.90	67.20
2014	76.50	77.70	76.50
2015	55.70	44.90	55.30
2016	53.50	44.50	53.10
2017	50.50	41.30	50.20

[1] Market year for cattle January 1-December 31 for United States and all States. [2] Cows includes beef cows and cull dairy cows sold for slaughter. [3] All beef includes steer and heifers combined and cows. [4] Milk cow prices are calendar year average. [5] Market year for hogs December 1-November 30 for United States and all States.
NASS, Livestock Branch, (202) 720–3570.

Table 7-74.—Frozen meat: Cold storage holdings, end of month, United States, 2017–2018

Month	Boneless beef		Beef bone-in		Total beef	
	2017	2018	2017	2018	2017	2018
	1,000 pounds					
January	499,000	458,749	39,215	42,995	538,215	501,744
February	463,934	416,438	38,514	42,901	502,448	459,339
March	422,572	426,232	41,429	37,725	464,001	463,957
April	415,592	435,196	42,826	35,964	458,418	471,160
May	376,699	426,089	34,799	38,565	411,498	464,654
June	383,658	407,131	31,668	41,454	415,326	448,585
July	398,071	444,089	33,765	40,159	431,836	484,248
August	438,094	457,392	38,473	43,923	476,567	501,315
September	454,439	458,904	41,576	48,262	496,015	507,166
October	462,093	468,424	44,948	47,150	507,041	515,574
November	443,927	473,863	41,260	40,835	485,187	514,698
December	445,881	462,072	42,176	33,552	488,057	495,624

Month	Picnics		Bellies		Butts	
	2017	2018	2017	2018	2017	2018
	1,000 pounds					
January	8,993	7,074	13,995	43,810	23,243	25,477
February	8,437	8,644	16,153	49,012	22,052	22,503
March	8,783	11,314	20,570	59,202	21,925	20,629
April	7,210	10,094	33,536	64,563	21,264	20,904
May	7,741	10,110	31,589	61,234	19,862	15,313
June	7,698	7,268	22,291	53,279	15,057	15,734
July	6,648	8,157	17,602	38,556	14,502	13,218
August	8,176	8,874	19,213	34,805	16,308	11,498
September	8,745	8,375	20,897	30,354	17,247	13,282
October	8,055	7,879	32,268	26,690	21,249	17,014
November	6,866	6,644	35,164	36,859	25,799	17,623
December	5,982	6,832	39,620	42,251	23,883	16,749

Month	Hams					
	Bone-in		Boneless		Total	
	2017	2018	2017	2018	2017	2018
	1,000 pounds					
January	34,094	35,572	61,271	82,835	95,365	118,407
February	50,874	36,932	74,293	85,811	125,167	122,743
March	28,850	24,234	61,343	72,105	90,193	96,339
April	36,689	23,694	76,126	88,451	112,815	112,145
May	51,222	41,898	92,419	97,397	143,641	139,295
June	74,248	54,794	104,063	93,863	178,311	148,657
July	87,178	71,184	107,790	96,379	194,968	167,563
August	91,736	91,764	112,151	112,999	203,887	204,763
September	99,301	93,281	132,733	121,347	232,034	214,628
October	79,733	76,417	115,594	99,692	195,327	176,109
November	27,715	37,122	70,509	59,253	98,224	96,375
December	15,458	15,714	65,624	57,404	81,082	73,118

Month	Loins					
	Bone-in		Boneless		Total	
	2017	2018	2017	2018	2017	2018
	1,000 pounds					
January	14,212	14,276	25,493	26,497	39,705	40,773
February	13,911	14,638	24,244	24,102	38,155	38,740
March	13,753	13,081	22,608	26,472	36,361	39,553
April	16,365	12,958	26,507	26,872	42,872	39,830
May	15,502	12,205	24,855	24,314	40,357	36,519
June	13,168	9,889	26,729	22,060	39,897	31,949
July	9,826	7,261	24,052	19,353	33,878	26,614
August	10,180	9,810	22,461	20,765	32,641	30,575
September	12,129	11,130	22,162	22,633	34,291	33,763
October	10,971	9,790	25,956	24,426	36,927	34,216
November	9,007	10,279	27,433	23,644	36,440	33,923
December	9,684	11,221	25,445	22,871	35,129	34,092

See footnote(s) at end of table.

Table 7-74.—Frozen meat: Cold storage holdings, end of month, United States, 2017–2018—Continued

Month	Ribs		Trimmings		Other frozen pork	
	2017	2018	2017	2018	2017	2018
	1,000 pounds					
January	128,029	114,366	34,281	48,602	85,023	104,544
February	139,525	131,600	37,339	51,186	86,028	97,215
March	140,639	143,957	40,087	56,318	83,593	93,548
April	136,875	143,717	40,613	57,490	88,858	90,657
May	114,460	119,286	37,308	56,969	91,386	92,610
June	85,993	88,871	32,781	45,132	90,064	85,049
July	77,182	84,171	29,858	40,372	91,725	86,046
August	74,341	77,803	34,811	42,253	99,330	86,905
September	88,032	83,403	34,643	38,499	99,095	81,592
October	94,859	101,369	33,185	42,156	94,458	79,323
November	100,218	108,324	37,484	43,033	93,602	81,265
December	104,264	124,310	43,080	48,441	86,880	78,855

Month	Variety meats		Unclassified pork		Total pork	
	2017	2018	2017	2018	2017	2018
	1,000 pounds					
January	52,415	30,735	43,166	46,926	524,215	580,714
February	50,908	33,161	44,091	55,009	567,855	609,813
March	54,430	35,875	48,882	54,278	545,463	611,013
April	54,471	36,544	51,810	58,778	590,324	634,722
May	49,848	34,681	52,024	57,708	588,216	623,725
June	39,419	34,438	47,499	51,502	559,010	561,879
July	40,879	34,439	47,612	52,893	554,854	552,029
August	37,736	34,307	49,255	49,730	575,698	581,513
September	37,231	37,030	46,348	48,477	618,563	589,403
October	35,495	36,193	46,551	49,968	598,374	570,917
November	28,709	36,001	39,818	47,621	502,324	507,668
December	27,965	34,009	42,162	46,630	490,047	505,287

Month	Veal		Lamb & mutton		Total red meat	
	2017	2018	2017	2018	2017	2018
	1,000 pounds	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*
January	18,535	19,912	20,361	26,790	1,101,326	1,129,160
February	16,950	21,158	25,694	28,280	1,112,947	1,118,590
March	16,104	20,780	25,792	28,615	1,051,360	1,124,365
April	15,383	20,033	28,603	33,992	1,092,728	1,159,907
May	12,870	18,206	29,859	35,591	1,042,443	1,142,176
June	12,297	14,954	26,177	38,678	1,012,810	1,064,096
July	16,329	18,096	26,770	42,129	1,029,789	1,096,502
August	15,311	14,179	32,383	39,386	1,099,959	1,136,393
September	13,669	13,736	31,415	40,466	1,159,662	1,150,771
October	12,344	9,842	31,594	39,321	1,149,353	1,135,654
November	15,799	9,106	28,977	37,859	1,032,287	1,069,331
December	16,373	8,238	26,714	36,454	1,021,191	1,045,603

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CHAPTER VIII

DAIRY AND POULTRY STATISTICS

Dairy statistics in this chapter include series relating to many phases of production, movement, prices, stocks, and consumption of milk and its products. Two series of number of milk cows on farms are included in this publication. One series is an inventory number of a specific classification estimated as one of the major groups making up the total cattle population on January 1. The other series identified as ''milk cows'' is an annual average number of milk cows during the year (excluding any not yet fresh) and is used in estimating milk production.

In comparing the several series of milk prices, it is important to note that prices received by farmers for all whole milk sold are for milk or milkfat content as actually sold, while certain prices paid by dealers for milk for fluid purposes or for specified manufacturing purposes may be quoted on a 3.5 percent butterfat basis, or for some types of manufacturing milk on the test of the milk used for that particular purpose.

Poultry and poultry products statistics include inventory numbers of chickens by classes; the production, disposition, cash receipts, and gross income from chickens and eggs; poultry and egg receipts at principal markets; commercial broiler production; turkey production, disposition, and gross income; poultry and eggs under Federal inspection; and the National Poultry Improvement Plan. Estimates relating to inventories, production, and income exclude poultry and eggs produced on places not classified as farms.

Table 8-1.—Milk cows and heifers: Number that have calved and heifers 500 pounds and over kept for milk cow replacements, United States, Jan. 1, 2010–2019

Year	Milk cows and heifers that have calved	Heifers 500 pounds and over kept for milk cow replacements
	Thousands	*Thousands*
2010	9,087	4,551
2011	9,156	4,577
2012	9,236	4,618
2013	9,221	4,546
2014	9,209	4,539
2015	9,312	4,710
2016	9,312	4,814
2017	9,369	4,754
2018	9,432	4,768
2019	9,353	4,702

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Table 8-2.—Milk cows and heifers: Number that have calved and heifers 500 pounds and over kept for milk cow replacements, by State and United States, Jan. 1, 2018 and 2019

State	Milk cows and heifers that have calved		Heifers 500 pounds and over kept for milk cow replacements	
	2018	2019	2018	2019
	Thousands	*Thousands*	*Thousands*	*Thousands*
Alabama	6.0	5.0	3.0	2.0
Alaska	0.3	0.2	0.1	0.1
Arizona	210.0	205.0	105.0	115.0
Arkansas	6.0	5.0	4.0	4.0
California	1,740.0	1,730.0	780.0	760.0
Colorado	168.0	178.0	100.0	110.0
Connecticut	20.0	19.5	9.5	9.0
Delaware	5.0	4.5	2.0	1.6
Florida	124.0	116.0	40.0	35.0
Georgia	85.0	81.0	25.0	30.0
Hawaii	2.0	1.5	1.0	1.0
Idaho	600.0	614.0	310.0	340.0
Illinois	93.0	85.0	47.0	45.0
Indiana	187.0	181.0	75.0	80.0
Iowa	220.0	220.0	135.0	125.0
Kansas	156.0	161.0	140.0	170.0
Kentucky	57.0	53.0	45.0	45.0
Louisiana	12.0	11.0	4.0	4.0
Maine	30.0	29.0	15.0	14.0
Maryland	47.0	44.0	28.0	30.0
Massachusetts	11.5	10.5	7.0	6.5
Michigan	428.0	422.0	176.0	160.0
Minnesota	455.0	450.0	290.0	255.0
Mississippi	9.0	8.0	7.0	5.0
Missouri	84.0	81.0	40.0	40.0
Montana	13.0	12.0	7.0	8.0
Nebraska	60.0	59.0	15.0	15.0
Nevada	32.0	33.0	12.0	11.0
New Hampshire	12.5	12.0	7.0	6.5
New Jersey	6.0	5.5	3.2	3.3
New Mexico	332.0	325.0	130.0	125.0
New York	625.0	625.0	350.0	335.0
North Carolina	45.0	43.0	17.0	20.0
North Dakota	16.0	15.0	9.0	8.0
Ohio	264.0	253.0	121.0	125.0
Oklahoma	42.0	40.0	25.0	20.0
Oregon	124.0	125.0	70.0	65.0
Pennsylvania	525.0	505.0	310.0	290.0
Rhode Island	0.8	0.7	0.5	0.5
South Carolina	15.0	14.0	6.0	5.0
South Dakota	119.0	122.0	45.0	40.0
Tennessee	40.0	36.0	25.0	25.0
Texas	530.0	545.0	250.0	260.0
Utah	97.0	100.0	50.0	50.0
Vermont	128.0	126.0	57.0	55.0
Virginia	87.0	79.0	40.0	37.0
Washington	275.0	280.0	123.0	123.0
West Virginia	7.0	7.0	3.0	3.0
Wisconsin	1,275.0	1,270.0	700.0	680.0
Wyoming	6.0	6.0	4.0	4.0
United States	9,432.1	9,353.4	4,768.3	4,701.5

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Table 8-3.—Milk and milkfat production: Number of milk cows, production per cow, and total quantity produced, by State and United States, 2017 [1]

State	Number of milk cows [2]	Production of milk and milkfat [3]				
		Per milk cow		All milk percent of fat	Total	
		Milk	Milkfat		Milk	Milkfat
	Thousands	*Pounds*	*Pounds*	*Percent*	*Million pounds*	*Million pounds*
Alabama	6.0	15,000	579	3.86	90.0	3.5
Alaska	0.3	9,667	379	3.92	2.9	0.1
Arizona	208.0	24,197	876	3.62	5,033.0	182.2
Arkansas	6.0	13,333	496	3.72	80.0	3.0
California	1,749.0	22,755	876	3.85	39,798.0	1,532.2
Colorado	162.0	25,858	954	3.69	4,189.0	154.6
Connecticut	19.0	22,105	871	3.94	420.0	16.5
Delaware	5.0	18,560	716	3.86	92.8	3.6
Florida	124.0	20,129	743	3.69	2,496.0	92.1
Georgia	84.0	21,905	795	3.63	1,840.0	66.8
Hawaii	2.3	16,913	560	3.31	38.9	1.3
Idaho	600.0	24,388	954	3.91	14,633.0	572.2
Illinois	93.0	20,742	796	3.84	1,929.0	74.1
Indiana	187.0	22,754	851	3.74	4,255.0	159.1
Iowa	218.0	23,757	919	3.87	5,179.0	200.4
Kansas	152.0	23,020	866	3.76	3,499.0	131.6
Kentucky	56.0	18,607	700	3.76	1,042.0	39.2
Louisiana	12.0	13,417	521	3.88	161.0	6.2
Maine	30.0	21,000	809	3.85	630.0	24.3
Maryland	48.0	19,917	761	3.82	956.0	36.5
Massachusetts	12.0	17,583	695	3.95	211.0	8.3
Michigan	427.0	26,302	978	3.72	11,231.0	417.8
Minnesota	458.0	21,544	838	3.89	9,867.0	383.8
Mississippi	9.0	15,222	585	3.84	137.0	5.3
Missouri	85.0	14,600	574	3.93	1,241.0	48.8
Montana	13.0	22,154	831	3.75	288.0	10.8
Nebraska	60.0	24,067	924	3.84	1,444.0	55.4
Nevada	32.0	22,156	866	3.91	709.0	27.7
New Hampshire	13.0	21,000	817	3.89	273.0	10.6
New Jersey	6.0	19,833	758	3.82	119.0	4.5
New Mexico	329.0	24,960	909	3.64	8,212.0	298.9
New York	624.0	23,925	921	3.85	14,929.0	574.8
North Carolina	45.0	21,156	793	3.75	952.0	35.7
North Dakota	16.0	21,563	826	3.83	345.0	13.2
Ohio	264.0	21,284	822	3.86	5,619.0	216.9
Oklahoma	40.0	18,200	684	3.76	728.0	27.4
Oregon	124.0	20,395	816	4.00	2,529.0	101.2
Pennsylvania	525.0	20,749	795	3.83	10,893.0	417.2
Rhode Island	0.8	16,250	644	3.96	13.0	0.5
South Carolina	15.0	16,533	637	3.85	248.0	9.5
South Dakota	117.0	22,376	913	4.08	2,618.0	106.8
Tennessee	40.0	17,325	651	3.76	693.0	26.1
Texas	515.0	23,406	946	4.04	12,054.0	487.0
Utah	96.0	23,073	877	3.80	2,215.0	84.2
Vermont	129.0	21,155	819	3.87	2,729.0	105.6
Virginia	87.0	19,954	748	3.75	1,736.0	65.1
Washington	274.0	23,836	953	4.00	6,531.0	261.2
West Virginia	8.0	15,875	602	3.79	127.0	4.8
Wisconsin	1,278.0	23,735	907	3.82	30,333.0	1,158.7
Wyoming	6.0	23,033	838	3.64	138.2	5.0
United States	9,406.0	22,914	880	3.84	215,527.0	8,272.3

[1] May not add due to rounding. [2] Average number during year, excluding heifers not yet fresh. [3] Excludes milk sucked by calves.

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Table 8-4.—Milk and milkfat production: Number of milk cows, production per cow, and total quantity produced, by State and United States, 2018 [1]

State	Number of milk cows [2]	Production of milk and milkfat [3]				
		Per milk cow		All milk percent of fat	Total	
		Milk	Milkfat		Milk	Milkfat
	Thousands	*Pounds*	*Pounds*	*Percent*	*Million pounds*	*Million pounds*
Alabama	5.0	14,600	566	3.88	73.0	2.8
Alaska	0.3	9,333	367	3.93	2.8	0.1
Arizona	208.0	23,933	876	3.66	4,978.0	182.2
Arkansas	6.0	12,333	467	3.79	74.0	2.8
California	1,734.0	23,306	909	3.90	40,413.0	1,576.1
Colorado	176.0	25,892	968	3.74	4,557.0	170.4
Connecticut	19.0	22,474	890	3.96	427.0	16.9
Delaware	4.8	19,063	732	3.84	91.5	3.5
Florida	120.0	19,842	730	3.68	2,381.0	87.6
Georgia	82.0	21,537	784	3.64	1,766.0	64.3
Hawaii	2.0	17,000	588	3.46	34.0	1.2
Idaho	609.0	24,875	985	3.96	15,149.0	599.9
Illinois	90.0	20,867	812	3.89	1,878.0	73.1
Indiana	184.0	22,614	855	3.78	4,161.0	157.3
Iowa	220.0	23,945	943	3.94	5,268.0	207.6
Kansas	159.0	23,321	900	3.86	3,708.0	143.1
Kentucky	55.0	18,345	695	3.79	1,009.0	38.2
Louisiana	11.0	13,818	558	4.04	152.0	6.1
Maine	30.0	20,600	797	3.87	618.0	23.9
Maryland	45.0	20,556	785	3.82	925.0	35.3
Massachusetts	11.0	18,364	731	3.98	202.0	8.0
Michigan	424.0	26,340	1,006	3.82	11,168.0	426.6
Minnesota	453.0	21,784	867	3.98	9,868.0	392.7
Mississippi	9.0	14,333	579	4.04	129.0	5.2
Missouri	83.0	14,386	573	3.98	1,194.0	47.5
Montana	12.0	22,833	868	3.80	274.0	10.4
Nebraska	60.0	24,000	926	3.86	1,440.0	55.6
Nevada	32.0	22,938	906	3.95	734.0	29.0
New Hampshire	12.0	20,750	811	3.91	249.0	9.7
New Jersey	6.0	18,333	697	3.80	110.0	4.2
New Mexico	330.0	25,106	929	3.70	8,285.0	306.5
New York	623.0	23,888	922	3.86	14,882.0	574.4
North Carolina	44.0	21,295	803	3.77	937.0	35.3
North Dakota	15.0	22,267	875	3.93	334.0	13.1
Ohio	259.0	21,359	831	3.89	5,532.0	215.2
Oklahoma	40.0	18,125	692	3.82	725.0	27.7
Oregon	123.0	20,577	835	4.06	2,531.0	102.8
Pennsylvania	519.0	20,549	783	3.81	10,665.0	406.3
Rhode Island	0.7	16,714	674	4.03	11.7	0.5
South Carolina	14.0	17,286	666	3.85	242.0	9.3
South Dakota	121.0	22,355	932	4.17	2,705.0	112.8
Tennessee	37.0	17,135	649	3.79	634.0	24.0
Texas	537.0	23,933	984	4.11	12,852.0	528.2
Utah	100.0	23,220	899	3.87	2,322.0	89.9
Vermont	127.0	21,102	823	3.90	2,680.0	104.5
Virginia	83.0	19,699	745	3.78	1,635.0	61.8
Washington	277.0	24,318	987	4.06	6,736.0	273.5
West Virginia	7.0	15,857	606	3.82	111.0	4.2
Wisconsin	1,274.0	24,002	934	3.89	30,579.0	1,189.5
Wyoming	6.0	23,700	863	3.64	142.2	5.2
United States	9,399.0	23,149	900	3.89	217,575.0	8,466.0

[1] May not add due to rounding. [2] Average number during year, excluding heifers not yet fresh. [3] Excludes milk sucked by calves.

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Table 8-5.—Milk: Quantities used and marketed by producers, by State and United States, 2017 [1]

State	Milk used where produced			Milk marketed by producers	
	Fed to calves [2]	Used for milk cream & butter	Total	Total quantity [3]	Fluid grade [4]
	Million pounds	*Million pounds*	*Million pounds*	*Million pounds*	*Percent*
Alabama	0.7	0.3	1.0	89.0	100
Alaska	0.2	0.2	0.4	2.5	100
Arizona	13.0	1.0	14.0	5,019.0	100
Arkansas	1.7	0.3	2.0	78.0	100
California	26.0	4.0	30.0	39,768.0	97
Colorado	21.0	1.0	22.0	4,167.0	100
Connecticut	2.5	0.5	3.0	417.0	100
Delaware	0.9	0.1	1.0	91.8	100
Florida	5.0	1.0	6.0	2,490.0	100
Georgia	7.0	1.0	8.0	1,832.0	100
Hawaii	0.1	0.1	0.2	38.7	100
Idaho	31.0	1.0	32.0	14,601.0	100
Illinois	10.0	2.0	12.0	1,917.0	98
Indiana	23.0	4.0	27.0	4,228.0	100
Iowa	15.0	1.0	16.0	5,163.0	100
Kansas	13.0	1.0	14.0	3,485.0	100
Kentucky	6.0	1.0	7.0	1,035.0	100
Louisiana	2.0	1.0	3.0	158.0	100
Maine	3.0	1.0	4.0	626.0	100
Maryland	7.0	1.0	8.0	948.0	100
Massachusetts	1.5	0.5	2.0	209.0	100
Michigan	33.0	2.0	35.0	11,196.0	100
Minnesota	95.0	4.0	99.0	9,768.0	99
Mississippi	1.0	1.0	2.0	135.0	100
Missouri	17.0	4.0	21.0	1,220.0	97
Montana	3.0	2.0	5.0	283.0	100
Nebraska	5.5	0.5	6.0	1,438.0	100
Nevada	5.0	1.0	6.0	703.0	100
New Hampshire	1.5	0.5	2.0	271.0	100
New Jersey	1.5	0.5	2.0	117.0	100
New Mexico	42.0	3.0	45.0	8,167.0	100
New York	55.0	2.0	57.0	14,872.0	100
North Carolina	5.0	1.0	6.0	946.0	100
North Dakota	4.5	0.5	5.0	340.0	98
Ohio	24.0	5.0	29.0	5,590.0	97
Oklahoma	6.0	1.0	7.0	721.0	100
Oregon	20.0	1.0	21.0	2,508.0	100
Pennsylvania	61.0	14.0	75.0	10,818.0	100
Rhode Island	0.1	-	0.1	12.9	100
South Carolina	2.0	1.0	3.0	245.0	100
South Dakota	7.0	1.0	8.0	2,610.0	100
Tennessee	4.0	1.0	5.0	688.0	100
Texas	25.0	1.0	26.0	12,028.0	100
Utah	12.0	1.0	13.0	2,202.0	100
Vermont	14.0	2.0	16.0	2,713.0	100
Virginia	8.0	2.0	10.0	1,726.0	100
Washington	17.0	1.0	18.0	6,513.0	100
West Virginia	2.0	1.0	3.0	124.0	100
Wisconsin	239.0	14.0	253.0	30,080.0	99
Wyoming	1.3	0.2	1.5	136.7	100
United States	901.0	91.0	992.0	214,535.0	99

- Represents zero. [1] May not add due to rounding. [2] Excludes milk sucked by calves. [3] Milk sold to plants and dealers as whole milk and equivalent amounts of milk for cream. Includes milk produced by dealers' own herds and milk sold directly to consumers. Also includes milk produced by institutional herds. [4] Percentage of milk sold that is eligible for fluid use (Grade A in most States). Includes fluid grade milk used in manufacturing dairy products.

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Table 8-6.—Milk: Quantities used and marketed by producers, by State and United States, 2018 [1]

State	Milk used where produced			Milk marketed by producers	
	Fed to calves [2]	Used for milk cream & butter	Total	Total quantity [3]	Fluid grade [4]
	Million pounds	*Million pounds*	*Million pounds*	*Million pounds*	*Percent*
Alabama	0.7	0.3	1.0	72.0	100
Alaska	0.2	0.3	0.5	2.3	100
Arizona	14.0	1.0	15.0	4,963.0	100
Arkansas	1.7	0.3	2.0	72.0	100
California	26.0	4.0	30.0	40,383.0	97
Colorado	21.0	1.0	22.0	4,535.0	100
Connecticut	2.5	0.5	3.0	424.0	100
Delaware	0.9	0.1	1.0	90.5	100
Florida	5.0	1.0	6.0	2,375.0	100
Georgia	7.0	1.0	8.0	1,758.0	100
Hawaii	0.1	0.1	0.2	33.8	100
Idaho	33.0	1.0	34.0	15,115.0	100
Illinois	10.0	2.0	12.0	1,866.0	98
Indiana	23.0	4.0	27.0	4,134.0	100
Iowa	16.0	1.0	17.0	5,251.0	100
Kansas	14.0	1.0	15.0	3,693.0	100
Kentucky	6.0	1.0	7.0	1,002.0	100
Louisiana	2.0	1.0	3.0	149.0	100
Maine	3.0	1.0	4.0	614.0	100
Maryland	7.0	1.0	8.0	917.0	100
Massachusetts	1.5	0.5	2.0	200.0	100
Michigan	34.0	2.0	36.0	11,132.0	100
Minnesota	95.0	4.0	99.0	9,769.0	99
Mississippi	1.0	1.0	2.0	127.0	100
Missouri	17.0	4.0	21.0	1,173.0	97
Montana	2.0	2.0	4.0	270.0	100
Nebraska	6.5	0.5	7.0	1,433.0	100
Nevada	5.0	1.0	6.0	728.0	100
New Hampshire	1.5	0.5	2.0	247.0	100
New Jersey	1.5	0.5	2.0	108.0	100
New Mexico	60.0	3.0	63.0	8,222.0	100
New York	55.0	2.0	57.0	14,825.0	100
North Carolina	5.0	1.0	6.0	931.0	100
North Dakota	3.5	0.5	4.0	330.0	98
Ohio	24.0	5.0	29.0	5,503.0	97
Oklahoma	6.0	1.0	7.0	718.0	100
Oregon	20.0	1.0	21.0	2,510.0	100
Pennsylvania	58.0	12.0	70.0	10,595.0	100
Rhode Island	0.1	-	0.1	11.6	100
South Carolina	2.0	1.0	3.0	239.0	100
South Dakota	7.0	1.0	8.0	2,697.0	100
Tennessee	4.0	1.0	5.0	629.0	100
Texas	27.0	1.0	28.0	12,824.0	100
Utah	13.0	1.0	14.0	2,308.0	100
Vermont	14.0	2.0	16.0	2,664.0	100
Virginia	8.0	2.0	10.0	1,625.0	100
Washington	17.0	1.0	18.0	6,718.0	100
West Virginia	1.0	1.0	2.0	109.0	100
Wisconsin	245.0	14.0	259.0	30,320.0	99
Wyoming	1.3	0.2	1.5	140.7	100
United States	929.0	89.0	1,018.0	216,556.0	99

- Represents zero. [1] May not add due to rounding. [2] Excludes milk sucked by calves. [3] Milk sold to plants and dealers as whole milk and equivalent amounts of milk for cream. Includes milk produced by dealers' own herds and milk sold directly to consumers. Also includes milk produced by institutional herds. [4] Percentage of milk sold that is eligible for fluid use (Grade A in most States). Includes fluid grade milk used in manufacturing dairy products.

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Table 8-7.—Milk and cream: Marketings and income, by State and United States, 2017 [1]

State	Milk utilized	All milk Average returns per cwt [2]	Returns per lb milkfat	Cash receipts from marketings
	Million pounds	*Dollars*	*Dollars*	*1,000 dollars*
Alabama	89.0	18.60	4.82	16,554
Alaska	2.5	22.00	5.61	550
Arizona	5,019.0	16.70	4.61	838,173
Arkansas	78.0	18.70	5.03	14,586
California	39,768.0	16.50	4.29	6,561,720
Colorado	4,167.0	18.10	4.91	754,227
Connecticut	417.0	18.60	4.72	77,562
Delaware	91.8	17.60	4.56	16,157
Florida	2,490.0	21.50	5.83	535,350
Georgia	1,832.0	19.00	5.23	348,080
Hawaii	38.7	28.60	8.64	11,068
Idaho	14,601.0	17.20	4.40	2,511,372
Illinois	1,917.0	18.30	4.77	350,811
Indiana	4,228.0	17.70	4.73	748,356
Iowa	5,163.0	18.10	4.68	934,503
Kansas	3,485.0	16.90	4.49	588,965
Kentucky	1,035.0	18.90	5.03	195,615
Louisiana	158.0	18.70	4.82	29,546
Maine	626.0	19.50	5.06	122,070
Maryland	948.0	17.80	4.66	168,744
Massachusetts	209.0	18.80	4.76	39,292
Michigan	11,196.0	16.40	4.41	1,836,144
Minnesota	9,768.0	17.80	4.58	1,738,704
Mississippi	135.0	18.90	4.92	25,515
Missouri	1,220.0	18.70	4.76	228,140
Montana	283.0	17.50	4.67	49,525
Nebraska	1,438.0	18.20	4.74	261,716
Nevada	703.0	17.90	4.58	125,837
New Hampshire	271.0	18.50	4.76	50,135
New Jersey	117.0	18.30	4.79	21,411
New Mexico	8,167.0	16.30	4.48	1,331,221
New York	14,872.0	18.20	4.73	2,706,704
North Carolina	946.0	18.80	5.01	177,848
North Dakota	340.0	17.60	4.60	59,840
Ohio	5,590.0	18.40	4.77	1,028,560
Oklahoma	721.0	19.20	5.11	138,432
Oregon	2,508.0	19.80	4.95	496,584
Pennsylvania	10,818.0	18.60	4.86	2,012,148
Rhode Island	12.9	18.50	4.67	2,387
South Carolina	245.0	19.10	4.96	46,795
South Dakota	2,610.0	18.80	4.61	490,680
Tennessee	688.0	18.90	5.03	130,032
Texas	12,028.0	18.40	4.55	2,213,152
Utah	2,202.0	17.70	4.66	389,754
Vermont	2,713.0	18.60	4.81	504,618
Virginia	1,726.0	19.40	5.17	334,844
Washington	6,513.0	18.20	4.55	1,185,366
West Virginia	124.0	18.00	4.75	22,320
Wisconsin	30,080.0	18.10	4.74	5,444,480
Wyoming	136.7	17.90	4.92	24,469
United States	214,535.0	17.69	4.61	37,940,662

[1] May not add due to rounding. [2] Cash receipts divided by milk or milkfat in combined marketings.
NASS, Livestock Branch, (202) 720–3570.

Table 8-8.—Milk and cream: Marketings and income, by State and United States, 2018 [1]

State	Milk utilized	All milk Average returns per cwt [2]	Returns per lb milkfat	Cash receipts from marketings
	Million pounds	*Dollars*	*Dollars*	*1,000 dollars*
Alabama	72.0	16.60	4.28	11,952
Alaska	2.3	22.00	5.60	506
Arizona	4,963.0	15.50	4.23	769,265
Arkansas	72.0	17.00	4.49	12,240
California	40,383.0	15.78	4.05	6,372,437
Colorado	4,535.0	16.70	4.47	757,345
Connecticut	424.0	17.10	4.32	72,504
Delaware	90.5	16.10	4.19	14,571
Florida	2,375.0	19.90	5.41	472,625
Georgia	1,758.0	17.10	4.70	300,618
Hawaii	33.8	28.00	8.09	9,464
Idaho	15,115.0	15.70	3.96	2,373,055
Illinois	1,866.0	16.50	4.24	307,890
Indiana	4,134.0	15.70	4.15	649,038
Iowa	5,251.0	16.50	4.19	866,415
Kansas	3,693.0	15.30	3.96	565,029
Kentucky	1,002.0	17.50	4.62	175,350
Louisiana	149.0	17.20	4.26	25,628
Maine	614.0	18.10	4.68	111,134
Maryland	917.0	16.20	4.24	148,554
Massachusetts	200.0	17.40	4.37	34,800
Michigan	11,132.0	14.90	3.90	1,658,668
Minnesota	9,769.0	16.50	4.15	1,611,885
Mississippi	127.0	17.10	4.23	21,717
Missouri	1,173.0	16.90	4.25	198,237
Montana	270.0	16.00	4.21	43,200
Nebraska	1,433.0	16.20	4.20	232,146
Nevada	728.0	16.40	4.15	119,392
New Hampshire	247.0	17.00	4.35	41,990
New Jersey	108.0	16.20	4.26	17,496
New Mexico	8,222.0	14.70	3.97	1,208,634
New York	14,825.0	16.70	4.33	2,475,775
North Carolina	931.0	17.30	4.59	161,063
North Dakota	330.0	16.20	4.12	53,460
Ohio	5,503.0	16.40	4.22	902,492
Oklahoma	718.0	17.80	4.66	127,804
Oregon	2,510.0	18.70	4.61	469,370
Pennsylvania	10,595.0	16.80	4.41	1,779,960
Rhode Island	11.6	17.20	4.27	1,995
South Carolina	239.0	17.40	4.52	41,586
South Dakota	2,697.0	17.30	4.15	466,581
Tennessee	629.0	17.40	4.59	109,446
Texas	12,824.0	16.90	4.11	2,167,256
Utah	2,308.0	16.10	4.16	371,588
Vermont	2,664.0	17.10	4.38	455,544
Virginia	1,625.0	17.50	4.63	284,375
Washington	6,718.0	16.80	4.14	1,128,624
West Virginia	109.0	16.40	4.29	17,876
Wisconsin	30,320.0	16.50	4.24	5,002,800
Wyoming	140.7	16.30	4.48	22,934
United States	216,556.0	16.28	4.19	35,244,314

[1] May not add due to rounding. [2] Cash receipts divided by milk or milkfat in combined marketings.
NASS, Livestock Branch, (202) 720–3570.

Table 8-9.—Milk production: Value, by State and United States, 2017 [1]

State	Used for milk, cream, & butter by producers		Gross producer income [3]	Value of milk produced [2 4]
	Milk utilized	Value [2]		
	Million pounds	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Alabama	0.3	56	16,610	16,740
Alaska	0.2	44	594	638
Arizona	1.0	167	838,340	840,511
Arkansas	0.3	56	14,642	14,960
California	4.0	660	6,562,380	6,566,670
Colorado	1.0	181	754,408	758,209
Connecticut	0.5	93	77,655	78,120
Delaware	0.1	18	16,175	16,333
Florida	1.0	215	535,565	536,640
Georgia	1.0	190	348,270	349,600
Hawaii	0.1	29	11,097	11,125
Idaho	1.0	172	2,511,544	2,516,876
Illinois	2.0	366	351,177	353,007
Indiana	4.0	708	749,064	753,135
Iowa	1.0	181	934,684	937,399
Kansas	1.0	169	589,134	591,331
Kentucky	1.0	189	195,804	196,938
Louisiana	1.0	187	29,733	30,107
Maine	1.0	195	122,265	122,850
Maryland	1.0	178	168,922	170,168
Massachusetts	0.5	94	39,386	39,668
Michigan	2.0	328	1,836,472	1,841,884
Minnesota	4.0	712	1,739,416	1,756,326
Mississippi	1.0	189	25,704	25,893
Missouri	4.0	748	228,888	232,067
Montana	2.0	350	49,875	50,400
Nebraska	0.5	91	261,807	262,808
Nevada	1.0	179	126,016	126,911
New Hampshire	0.5	93	50,228	50,505
New Jersey	0.5	92	21,503	21,777
New Mexico	3.0	489	1,331,710	1,338,556
New York	2.0	364	2,707,068	2,717,078
North Carolina	1.0	188	178,036	178,976
North Dakota	0.5	88	59,928	60,720
Ohio	5.0	920	1,029,480	1,033,896
Oklahoma	1.0	192	138,624	139,776
Oregon	1.0	198	496,782	500,742
Pennsylvania	14.0	2,604	2,014,752	2,026,098
Rhode Island	-	-	2,387	2,405
South Carolina	1.0	191	46,986	47,368
South Dakota	1.0	188	490,868	492,184
Tennessee	1.0	189	130,221	130,977
Texas	1.0	184	2,213,336	2,217,936
Utah	1.0	177	389,931	392,055
Vermont	2.0	372	504,990	507,594
Virginia	2.0	388	335,232	336,784
Washington	1.0	182	1,185,548	1,188,642
West Virginia	1.0	180	22,500	22,860
Wisconsin	14.0	2,534	5,447,014	5,490,273
Wyoming	0.2	36	24,505	24,738
United States	91.0	16,594	37,957,256	38,119,254

- Represents zero. [1] May not add due to rounding. [2] Value at average returns per 100 pounds of milk in combined marketings of milk and cream. [3] Cash receipts from marketings of milk and cream plus value of milk used for home consumption. [4] Includes value of milk fed to calves.

NASS, Livestock Branch, (202) 720–3570.

Table 8-10.—Milk production: Value, by State and United States, 2018 [1]

State	Used for milk, cream, & butter by producers		Gross producer income [3]	Value of milk produced [2 4]
	Milk utilized	Value [2]		
	Million pounds	*1,000 Dollars*	*1,000 Dollars*	*1,000 Dollars*
Alabama	0.3	50	12,002	12,118
Alaska	0.3	66	572	616
Arizona	1.0	155	769,420	771,590
Arkansas	0.3	51	12,291	12,580
California	4.0	631	6,373,068	6,377,171
Colorado	1.0	167	757,512	761,019
Connecticut	0.5	86	72,590	73,017
Delaware	0.1	16	14,587	14,732
Florida	1.0	199	472,824	473,819
Georgia	1.0	171	300,789	301,986
Hawaii	0.1	28	9,492	9,520
Idaho	1.0	157	2,373,212	2,378,393
Illinois	2.0	330	308,220	309,870
Indiana	4.0	628	649,666	653,277
Iowa	1.0	165	866,580	869,220
Kansas	1.0	153	565,182	567,324
Kentucky	1.0	175	175,525	176,575
Louisiana	1.0	172	25,800	26,144
Maine	1.0	181	111,315	111,858
Maryland	1.0	162	148,716	149,850
Massachusetts	0.5	87	34,887	35,148
Michigan	2.0	298	1,658,966	1,664,032
Minnesota	4.0	660	1,612,545	1,628,220
Mississippi	1.0	171	21,888	22,059
Missouri	4.0	676	198,913	201,786
Montana	2.0	320	43,520	43,840
Nebraska	0.5	81	232,227	233,280
Nevada	1.0	164	119,556	120,376
New Hampshire	0.5	85	42,075	42,330
New Jersey	0.5	81	17,577	17,820
New Mexico	3.0	441	1,209,075	1,217,895
New York	2.0	334	2,476,109	2,485,294
North Carolina	1.0	173	161,236	162,101
North Dakota	0.5	81	53,541	54,108
Ohio	5.0	820	903,312	907,248
Oklahoma	1.0	178	127,982	129,050
Oregon	1.0	187	469,557	473,297
Pennsylvania	12.0	2,016	1,781,976	1,791,720
Rhode Island	-	-	1,995	2,012
South Carolina	1.0	174	41,760	42,108
South Dakota	1.0	173	466,754	467,965
Tennessee	1.0	174	109,620	110,316
Texas	1.0	169	2,167,425	2,171,988
Utah	1.0	161	371,749	373,842
Vermont	2.0	342	455,886	458,280
Virginia	2.0	350	284,725	286,125
Washington	1.0	168	1,128,792	1,131,648
West Virginia	1.0	164	18,040	18,204
Wisconsin	14.0	2,310	5,005,110	5,045,535
Wyoming	0.2	33	22,967	23,179
United States	89.0	14,814	35,259,128	35,411,485

- Represents zero. [1] May not add due to rounding. [2] Value at average returns per 100 pounds of milk in combined marketings of milk and cream. [3] Cash receipts from marketings of milk and cream plus value of milk used for home consumption. [4] Includes value of milk fed to calves.

NASS, Livestock Branch, (202) 720–3570.

Table 8-11.—Milk cows, milk, and fat in cream: Average prices received by farmers, United States, 2009–2018

Year	Milk cows, per head [1]	Milk per 100 pounds [2]					
		Eligible for fluid market [3]		Of manufacturing grade		All milk wholesale	
		Price per 100 lb.	Fat test	Price per 100 lb.	Fat test	Price per 100 lb.	Fat test
	Dollars	*Dollars*	*Percent*	*Dollars*	*Percent*	*Dollars*	*Percent*
2009	1,390.00	12.94	3.67	12.03	4.00	12.93	3.67
2010	1,330.00	16.37	3.65	14.56	4.00	16.35	3.66
2011	1,420.00	(NA)	(NA)	(NA)	(NA)	20.24	3.71
2012	1,430.00	(NA)	(NA)	(NA)	(NA)	18.56	3.72
2013	1,380.00	(NA)	(NA)	(NA)	(NA)	20.11	3.76
2014	1,830.00	(NA)	(NA)	(NA)	(NA)	24.07	3.74
2015	1,990.00	(NA)	(NA)	(NA)	(NA)	17.21	3.75
2016	1,760.00	(NA)	(NA)	(NA)	(NA)	16.34	3.79
2017	1,620.00	(NA)	(NA)	(NA)	(NA)	17.69	3.84
2018	1,360.00	(NA)	(NA)	(NA)	(NA)	16.28	3.89

(NA) Not available. [1] Simple average of quarterly prices, by States, weighted by the number of milk cows on farms Jan. 1 of the current year. [2] Average price at average fat test for all milk sold at wholesale to plants and dealers, based on reports from milk-market administrators, cooperative milk-market associations, whole-milk distributors, and milk-products manufacturing plants, f.o.b. plant or receiving station (whichever is the customary place for determining prices) before hauling costs are deducted and including all premiums. [3] Includes fluid milk surplus diverted to manufacturing.

NASS, Livestock Branch, (202) 720–3570.

Table 8-12—Milk-feed price ratios: All milk price; Dairy feed price, 16% protein; Milk-feed price ratios, United States, annual 2009–2018

Year	All milk price	Dairy feed price 16% protein [1]	Milk-feed price ratio [2]
	Dollars/cwt	*Dollars/ton*	*Pounds*
2009	12.93	293	1.78
2010	16.35	274	2.26
2011	20.24	369	1.90
2012	18.56	442	1.52
2013	20.11	481	1.75
2014	24.07	502	2.54
2015	17.21	(NA)	2.14
2016	16.34	(NA)	2.26
2017	17.69	(NA)	2.42
2018	16.28	(NA)	2.05

[1] Commercially prepared 16%protein dairy ration price collected from March annual Prices Paid Survery. Discontinued beginning 2015. [2] Annual ratios based on average of monthly ratios. Pounds of 16% protein mixed dairy feed equal in value to one pound of whole milk. Feed price component (16% protein) calculated using U.S. price received for corn (51 lbs), soybeans (8 lb), and alfalfa hay (41 lbs).

NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 8-13.—Fluid beverage milk: Total sales and per capita consumption, United States, 2008–2017

Year	Consumption	
	Total	Per capita
	Million pounds	*Pounds*
2008	54,574	179
2009	54,850	179
2010	55,002	178
2011	54,295	174
2012	53,442	170
2013	52,286	165
2014	50,773	159
2015	50,038	156
2016	49,700	154
2017	48,629	149

ERS, Animal Products and Cost of Production Branch, (202) 694–5171.

Table 8-14.—Federal milk order markets [1]: Measures of growth, 2012–2018 [2]

Year	Population of Federal milk marketing areas	Number of handlers [3]	Number of producers [4]	Receipts of producer milk	Producer milk used in Class I	Percentage of producer milk used in Class I
	Thousands	*Number*	*Number*	*Million pounds*	*Million pounds*	*Percent*
2012	250,724	237	40,750	122,388	43,492	35.5
2013	251,201	225	40,048	132,100	42,742	32.4
2014	255,184	223	38,391	129,420	41,420	32.0
2015	256,526	214	36,118	126,126	41,206	32.7
2016	258,172	216	34,721	133,846	41,140	30.7
2017	262,240	217	32,988	135,502	40,642	30.0
2018	302,089	233	32,061	141,684	40,945	28.9

Year	Prices at 3.5 percent butterfat content per hundredweight [5]		Receipts as percentage of milk sold to plants and dealers		Daily deliveries of milk per producer	Gross value of receipts of producer milk [6]	
	Class I	Blend	Fluid grade	All milk		Per producer	All producer
	Dollars	*Dollars*	*Percent*	*Percent*	*Pounds*	*Dollars*	*1,000 dollars*
2012	20.39	18.05	62	61	8,229	542,121	22,091,337
2013	21.80	19.44	67	66	9,047	641,295	25,682,588
2014	26.14	23.54	63	63	9,236	793,728	30,472,016
2015	19.21	16.70	61	61	9,559	583,173	21,063,042
2016	17.70	15.38	64	64	10,516	592,884	20,585,571
2017	19.31	16.96	64	63	11,243	696,459	22,974,898
2018	17.70	15.51	66	65	12,448	685,389	21,974,258

[1] The California Federal Milk Marketing Order became effective on November 1, 2018. [2] Over this period, handler selected periodically not to pool substantial volumes of milk that normally would have been pooled under Federal orders. This decision resulted from disadvantageous blend/class price relationships and qualification circumstances. This fact should be kept in mind if year-to-year comparisons are made using the various "producer deliveries" measures of growth. [3] End of year. [4] Average for year. [5] Prices are weighted averages. [6] Based on blend (uniform) price adjusted for butterfat content, and in later years, other milk components of producer milk.

AMS, Dairy Programs, (202) 720–7461.

Table 8-15.—Milk production: Marketings, income and value, United States, 2009–2018

Year	Combined marketings of milk and cream				Used for milk, cream, and butter on farms where produced		Gross farm income from dairy products [3]	Farm value of all milk produced [2] [4]
	Milk utilized	Average returns [1]		Cash receipts from marketings	Milk utilized	Value [2]		
		Per 100 pounds milk	Per pound milkfat					
	Million pounds	*Dollars*	*Dollars*	*1,000 dollars*	*Million pounds*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
2009	188,189	12.93	3.52	24,321,032	112	15,224	24,336,256	24,455,900
2010	191,897	16.35	4.47	31,372,346	107	18,269	31,390,615	31,535,575
2011	195,290	20.24	5.46	39,531,306	98	20,561	39,551,867	39,730,346
2012	199,687	18.56	4.99	37,064,731	98	18,779	37,083,510	37,247,542
2013	200,283	20.11	5.35	40,282,881	100	20,629	40,303,510	40,482,699
2014	205,083	24.07	6.44	49,351,199	92	22,699	49,373,898	49,588,283
2015	207,536	17.21	4.59	35,716,849	91	16,291	35,733,140	35,888,595
2016	211,457	16.34	4.31	34,546,316	94	15,784	34,562,100	34,712,099
2017	214,535	17.69	4.61	37,940,662	91	16,594	37,957,256	38,119,254
2018	216,556	16.28	4.19	35,244,314	89	14,814	35,259,128	35,411,485

[1] Cash receipts divided by milk or milkfat represented in combined marketings. [2] Valued at average returns per 100 pounds of milk in combined marketings of milk and cream. [3] Cash receipts from marketings of milk and cream plus value of milk used for home consumption. [4] Includes value of milk fed to calves.

NASS, Livestock Branch, (202) 720–3570.

Table 8-16.—Official Dairy Herd Information test plans: Numbers of herds and cows and milk, fat, and protein production, United States, 2009–2018

Year	Herds	Cows	Cows per herd	Average production			Cows with protein information	Average protein production	Average protein production
				Milk	Fat	Fat			
	Number	*Number*	*Number*	*Pounds*	*Percent*	*Pounds*	*Percent*	*Percent*	*Pounds*
2009 ...	15,331	3,665,911	239.1	22,501	3.68	831	98	3.09	698
2010 ...	15,067	3,746,177	248.6	22,765	3.66	836	98	3.09	706
2011 ...	14,490	3,800,410	262.3	22,961	3.71	855	98	3.11	714
2012 ...	13,894	3,762,925	270.8	23,328	3.72	871	98	3.12	728
2013 ...	13,329	3,712,080	278.5	23,695	3.77	894	98	3.13	742
2014 ...	13,043	3,829,273	293.6	24,101	3.76	907	98	3.14	757
2015 ...	12,440	3,822,370	307.3	24,403	3.75	917	98	3.13	764
2016 ...	11,745	3,836,074	326.6	24,651	3.79	934	98	3.13	773
2017 ...	10,932	3,809,695	348.5	24,776	3.84	951	99	3.16	783
2018 ...	9,787	3,715,872	379.7	24,660	3.87	956	99	3.16	781

Council on Dairy Cattle Breeding, (240) 334–4164, https://www.uscdcb.com.

Table 8-17.—Milk and milkfat production: Number of producing cows, production per cow, and total quantity produced, United States, 2009–2018

Year	Number of milk cows [1]	Production of milk and milkfat [2]				
		Per milk cow		Percentage of fat in all milk produced	Total	
		Milk	Milkfat		Milk	Milkfat
	Thousands	*Pounds*	*Pounds*	*Percent*	*Million pounds*	*Million pounds*
2009	9,202	20,561	755	3.67	189,202	6,944
2010	9,123	21,142	774	3.66	192,877	7,054
2011	9,199	21,334	791	3.71	196,255	7,284
2012	9,237	21,722	808	3.72	200,642	7,463
2013	9,224	21,819	820	3.76	201,260	7,558
2014	9,261	22,249	832	3.74	206,048	7,698
2015	9,320	22,372	839	3.75	208,508	7,810
2016	9,334	22,761	863	3.79	212,451	8,054
2017	9,406	22,914	880	3.84	215,527	8,272
2018	9,399	23,149	900	3.89	217,575	8,466

[1] Average number during year, excluding heifers not yet fresh. [2] Excludes milk sucked by calves.
NASS, Livestock Branch, (202) 720–3570.

Table 8-18.—Milk: Quantities used and marketed by farmers, United States, 2009–2018

Year	Milk used on farms where produced			Milk marketed by producers	
	Fed to calves [1]	Consumed as fluid milk or cream	Total	Total [2]	Fluid grade [3]
	Million pounds	*Million pounds*	*Million pounds*	*Million pounds*	*Percent*
2009	901	112	1,013	188,189	98
2010	873	107	980	191,897	98
2011	867	98	965	195,290	99
2012	858	98	956	199,687	99
2013	877	100	977	200,283	99
2014	874	92	966	205,083	99
2015	880	91	971	207,536	99
2016	900	94	994	211,457	99
2017	901	91	992	214,535	99
2018	929	89	1,018	216,556	99

[1] Excludes milk sucked by calves. [2] Milk sold to plants and dealers as whole milk and equivalent amounts of milk for cream. Includes milk produced by dealers' own herds and small amounts sold directly to consumers. Also includes milk produced by institutional herds. [3] Percentage of milk sold that is eligible for fluid use (Grade A in most States). Includes fluid-grade milk used in manufacturing dairy products.
NASS, Livestock Branch, (202) 720–3570.

Table 8-19.—Milk markets under Federal order program: Whole milk and fat-reduced milk products sold for fluid consumption within defined marketing areas, 2016–2018 [1]

Federal milk order marketing area	Whole milk products [2]		Fat-reduced milk products [3]		Total fluid milk products	
	Quantity	Butterfat content	Quantity	Butterfat content	Quantity	Butterfat content
	Million pounds	*Percent*	*Million pounds*	*Percent*	*Million pounds*	*Percent*
	2016					
Northeast	3,189	3.28	5,063	1.16	8,252	1.98
Appalachian	1,120	3.29	2,072	1.32	3,192	2.01
Florida	1,111	3.29	1,642	1.25	2,753	2.08
Southeast	1,654	3.30	2,759	1.31	4,413	2.06
Upper Midwest	696	3.29	3,017	1.20	3,713	1.59
Central	1,116	3.30	3,019	1.29	4,134	1.83
Mideast	1,409	3.28	3,960	1.33	5,368	1.84
Pacific Northwest	571	3.33	1,392	1.34	1,964	1.92
Southwest	1,682	3.32	2,759	1.32	4,441	2.08
Arizona	339	3.29	709	1.30	1,048	1.94
Combined areas	12,886	3.29	26,392	1.27	39,278	1.93
	2017					
Northeast	3,249	3.27	4,782	1.18	8,031	2.03
Appalachian	1,157	3.29	2,005	1.34	3,162	2.05
Florida	1,152	3.23	1,579	1.31	2,731	2.12
Southeast	1,692	3.30	2,651	1.33	4,343	2.10
Upper Midwest	698	3.29	2,864	1.23	3,562	1.64
Central	1,164	3.30	2,918	1.30	4,082	1.87
Mideast	1,468	3.30	3,787	1.35	5,255	1.89
Pacific Northwest	596	3.33	1,307	1.36	1,903	1.98
Southwest	1,735	3.32	2,650	1.33	4,385	2.12
Arizona	346	3.29	671	1.31	1,017	1.99
Combined areas	13,256	3.29	25,214	1.29	38,471	1.98
	2018					
Northeast	3,306	3.28	4,539	1.21	7,846	2.08
Appalachian	1,206	3.29	1,960	1.36	3,166	2.10
Florida	1,161	3.19	1,515	1.36	2,676	2.15
Southeast	1,704	3.31	2,517	1.36	4,221	2.15
Upper Midwest	712	3.29	2,715	1.25	3,427	1.67
Central	1,197	3.30	2,773	1.34	3,970	1.93
Mideast	1,524	3.30	3,685	1.37	5,209	1.94
California [4]	334	3.38	556	1.44	890	2.17
Pacific Northwest	613	3.32	1,229	1.37	1,842	2.02
Southwest	1,775	3.28	2,528	1.35	4,303	2.15
Arizona	363	3.29	657	1.33	1,020	2.03
Combined areas	13,895	3.29	24,673	1.32	38,568	2.03

[1] In-area sales include total sales in each of the areas by handlers regulated under the respective order, by handlers regulated under other orders, by partially regulated handlers, by exempt handlers, and by producer-handlers. Sales routes of handlers may extend outside defined marketing areas; therefore, some handlers' in-area sales are partially estimated. [2] Plain, organic, flavored, and miscellaneous whole milk products, and eggnog. [3] Plain, fortified, organic, and flavored reduced fat milk (2%), low fat milk (1%), and fat-free milk (skim), and miscellaneous fat-reduced milk products, and buttermilk. [4] 4 The California Federal Milk Order became effective November 1, 2018.

AMS, Dairy Programs, (202) 720–7461.

Table 8-20.—Milk markets under Federal order program: Uniform and Class I milk prices at 3.5 percent fat test, number of producers, producer milk receipts, producer milk used in Class I, Class I percentage, daily milk deliveries per producer, average fat test of producer milk receipts, by markets, 2017–2018

Federal milk order marketing area	Class I $ / cwt [1]	Uniform $ / cwt [1 2]	Average number of producers	Receipts of producer milk	Producer milk used in Class I	Class I utilization	Daily milk deliveries per producer	Average fat test of producer milk
	Dollars	*Dollars*	*Number*	*Million pounds*	*Million pounds*	*Percent*	*Pounds*	*Percent*
	2017							
Northeast [3]	19.71	17.43	11,171	27,397	8,799	32.1	6,722	3.85
Appalachian [4]	19.87	18.79	1,991	5,801	4,002	69.0	8,002	3.76
Florida [5]	21.87	20.92	143	2,602	2,169	83.3	49,877	3.69
Southeast [6]	20.27	19.13	1,672	5,451	3,767	69.1	8,936	3.74
Upper Midwest [7 8]	18.26	16.28	9,435	32,312	3,244	10.0	9,342	3.84
Central [8 9]	18.46	16.35	2,565	15,879	4,839	30.5	16,967	3.82
Mideast [8 10]	18.46	16.56	4,968	20,241	6,430	31.8	11,160	3.78
Pacific Northwest [8 11]	18.36	16.18	468	7,661	1,891	24.7	44,855	3.99
Southwest [8 12]	19.46	17.16	487	13,092	4,217	32.2	73,541	3.86
Arizona [13]	18.81	16.39	89	5,065	1,284	25.4	155,410	3.62
All markets combined	19.31	16.96	32,988	135,502	40,642	30.0	11,243	3.82
	2018							
Northeast [3]	18.10	16.09	10,574	27,109	8,701	32.1	7,026	3.86
Appalachian [4]	18.25	17.29	1,704	5,735	3,984	69.5	9,243	3.79
Florida [5]	20.24	19.37	143	2,565	2,144	83.6	49,152	3.68
Southeast [6]	18.64	17.71	1,672	5,209	3,705	71.2	8,531	3.80
Upper Midwest [7 8]	16.63	14.75	8,883	33,323	2,990	9.0	10,263	3.92
Central [8 9]	16.85	14.87	2,433	16,604	4,783	28.8	18,722	3.89
Mideast [8 10]	16.86	15.21	4,513	19,603	6,374	32.5	11,905	3.84
California [11]	17.39	15.18	1,081	4,117	927	22.5	62,481	4.01
Pacific Northwest [12]	16.76	14.86	495	8,558	1,851	21.6	47,288	4.07
Southwest [8 13]	17.86	15.77	482	13,727	4,221	30.8	77,613	3.94
Arizona [14]	17.19	15.09	81	5,133	1,265	24.6	173,295	3.66
All markets combined	17.70	15.51	32,061	141,684	40,945	28.9	12,448	3.88

[1] Prices are for milk of 3.5 percent butterfat content and for the principal pricing point of the market. See footnotes 3-13. [2] For those orders that use the component pricing system for paying producers (orders 1, 30, 32, 33, 124,and 126), the figures are the statistical uniform price (the sum of the producer price differential and the Class III price). For those orders that use the skim milk/butterfat pricing system for paying producers (orders 5, 6, 7, and 131), the figures are the uniform price (the sum of the uniform butterfat price times 3.5 and the uniform skim milk price times 0.965). [3] Suffolk Co. (Boston), MA. [4] Mecklenburg Co. (Charlotte), NC. [5] Hillsborough Co. (Tampa), FL. [5] Fulton Co. (Atlanta), GA. [7] Cook Co. (Chicago), IL. [8] Due to the disadvantageous intraorder class and uniform price relationships in some months in these markets, handlers elected not to pool milk that normally would have been pooled under these orders. [9] Jackson Co. (Kansas City), MO. [10] Cuyahoga Co. (Cleveland), OH. [11] The California Federal Milk Marketing Order became effective on November 1, 2018. [12] King Co. (Seattle), WA. [13] Dallas Co. (Dallas), TX. [14] Maricopa Co. (Phoenix), AZ.

AMS, Dairy Programs, (202) 720–7461.

Table 8-21.—Dairy products: Quantities manufactured, United States, 2014–2018

Product	2014	2015	2016	2017	2018
	1,000 pounds				
Butter	1,855,315	1,849,519	1,839,399	1,847,473	1,891,007
Cheese:					
American types	4,588,023	4,694,471	4,768,888	5,072,129	5,253,833
Cheddar	3,317,038	3,393,111	3,434,498	3,721,468	3,802,508
Other American	1,270,985	1,301,360	1,334,390	1,350,661	1,451,325
Blue and Gorgonzola	92,845	94,489	90,872	91,316	94,648
Brick	2,942	3,449	2,845	2,424	2,276
Cream and Neufchatel	851,713	876,286	908,972	918,071	914,824
Feta	105,622	112,424	126,849	122,470	129,823
Gouda	55,911	58,364	58,601	65,400	65,252
Hispanic	249,579	254,291	264,941	286,521	311,916
Italian types	4,950,235	5,081,826	5,304,355	5,395,248	5,556,850
Mozzarella	3,924,925	3,988,936	4,117,746	4,167,492	4,351,361
Parmesan	301,848	339,003	407,319	450,640	424,491
Provolone	361,088	379,316	401,589	393,792	397,786
Ricotta	245,284	243,464	252,231	245,912	249,461
Romano	45,021	55,034	52,448	58,302	58,058
Other Italian types	72,069	76,073	73,022	79,110	75,693
Muenster cheese	163,650	177,540	181,354	189,167	191,269
Swiss cheese	297,802	312,015	311,977	316,654	332,303
All other types	153,783	166,240	161,889	180,562	171,593
Total cheese [1]	11,512,105	11,831,395	12,181,543	12,639,962	13,024,587
Cottage cheese:					
Curd [2]	381,146	400,634	406,428	390,409	402,362
Creamed [3]	303,113	317,531	329,444	330,484	352,785
Lowfat [4]	364,614	363,004	367,815	344,421	342,084
Sour cream	1,302,900	1,325,629	1,374,059	1,387,149	1,403,411
Yogurt plain & flavored	4,756,562	4,645,594	4,458,399	4,478,204	4,388,088
Bulk condensed milk:					
Skim, sweetened	43,593	52,935	77,158	90,157	120,873
Skim, unsweetened	1,661,446	1,672,557	1,651,169	1,570,819	1,468,374
Whole, sweetened	88,607	99,867	116,563	142,602	144,659
Whole, unsweetened	65,596	173,701	97,204	62,259	66,023
Condensed or evaporated buttermilk	109,044	105,676	105,968	113,035	109,612
Canned milk:					
Evaporated and condensed whole [5]	315,290	452,780	456,695	379,193	412,599
Evaporated skim	27,856	43,940	16,897	9,156	15,144
Dry milk products:					
Dry buttermilk, total	111,097	98,364	109,641	112,904	118,075
Dry skim milk animal	11,303	9,953	9,287	11,862	14,071
Dry whole milk	103,122	108,522	98,174	122,397	143,654
Milk protein concentrate, total	126,017	157,309	125,685	139,047	145,632
Nonfat dry milk, human	1,764,632	1,822,348	1,752,634	1,835,277	1,773,540
Skim milk powder, total [6]	543,504	446,324	559,175	529,633	566,504
Dry whey, total	869,701	977,568	955,141	1,035,414	999,356
	1,000 gallons				
Ice cream, regular, total	865,753	896,688	906,680	871,157	840,028
Ice cream, lowfat, total [7]	411,701	438,991	435,868	461,414	451,103
Ice cream, nonfat, total	18,303	13,575	12,438	11,427	11,266
Sherbet, total	48,353	44,743	44,262	42,975	40,206
Frozen yogurt, total	66,456	74,229	66,814	62,911	50,277

[1] Excluding cottage cheese. [2] Mostly used for processing into creamed or lowfat cottage cheese. [3] Fat content 4 percent or more. [4] Fat content less than 4 percent. [5] Combined to avoid disclosing individual plant operations. [6] Includes protein standardized and blends. [7] Includes freezer-made milkshake.

NASS, Livestock Branch, (202) 720–3570.

Table 8-22.—Dairy Products: Factory production of specified items, by State and United States, 2017–2018

State	Butter		Total American cheese [1]		Total cheese [2]	
	2017	2018	2017	2018	2017	2018
	1,000 pounds	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*
California	534,378	578,624	632,677	630,164	2,513,336	2,543,368
Idaho			605,555	625,427	958,687	991,239
Illinois					82,389	82,288
Iowa			155,111	182,094	256,737	296,396
Minnesota			589,516	622,884	712,988	740,601
New Jersey					57,727	59,087
New Mexico					766,804	895,779
New York	27,581	24,688	132,273	139,560	829,410	802,331
Ohio					222,044	239,267
Oregon			205,733	208,767	206,679	209,829
Pennsylvania	92,329	86,062			411,552	433,750
South Dakota					282,304	293,455
Vermont					142,941	146,953
Wisconsin			1,016,702	1,025,766	3,376,769	3,422,895
Other States [3]	1,193,185	1,201,633	1,734,562	1,819,161	1,819,595	1,867,349
United States	1,847,473	1,891,007	5,072,129	5,253,833	12,639,962	13,024,587

State	Ice cream, regular (hard)		Nonfat dry milk for human food	
	2017	2018	2017	2018
	1,000 Gallons	*1,000 Gallons*	*1,000 Pounds*	*1,000 Pounds*
California	73,643	66,328	562,017	587,059
Connecticut	12,206	12,614		
Missouri	32,404	37,350		
New Jersey	1,390	1,183		
New York	38,422	29,547		
Ohio	26,122	27,984		
Oregon	12,104	14,380		
Pennsylvania	41,064	37,595	183,766	181,158
Tennessee	25,711	22,704		
Utah	26,283	29,667		
Wisconsin	19,211	9,798		
Other States [3]	422,602	429,382	1,089,494	1,005,323
United States	731,162	718,532	1,835,277	1,773,540

[1] Includes Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack. [2] Excluding cottage cheese. [3] States not shown when fewer than 3 plants reported or individual plant operations could be disclosed.

NASS, Livestock Branch, (202) 720–3570.

Table 8-23.—Dairy products: Average price per pound for specified products, 2014–2018

Item and market	2014	2015	2016	2017	2018
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Butter, Chicago Mercantile Exchange, Grade AA:					
High [1]	3.0600	3.1350	2.3675	2.7375	2.4175
Low [1]	1.5325	1.5400	1.7550	2.0625	2.0675
Butter, Agricultural Marketing Service, Grade AA: [2]	2.1361	2.0670	2.0777	2.3303	2.2572
Cheese, Cheddar, Chicago Mercantile Exchange, Barrels:					
High [1]	2.4900	1.7550	1.8800	1.7600	1.6675
Low [1]	1.4200	1.4100	1.2700	1.3375	1.2345
Cheese, Cheddar, Chicago Mercantile Exchange, 40-lb blocks:					
High [1]	2.4500	1.8000	1.9425	1.8500	1.6905
Low [1]	1.5200	1.4000	1.2700	1.3600	1.3540
Cheese, Cheddar, Agricultural Marketing Service, Barrels: [3]	2.1376	1.6241	1.5961	1.5860	1.4659
Cheese, Cheddar, Agricultural Marketing Service, 40-lb blocks: [3]	2.1439	1.6389	1.5897	1.6513	1.5825
Nonfat dry milk, Agricultural Marketing Service:					
Low/medium heat [2]	1.7682	0.9016	0.8292	0.8666	0.7945
Dry whey, Agricultural Marketing Service:					
Edible nonhygroscopic [2]	0.6538	0.3804	0.2875	0.4437	0.3422

[1] Figures are the high and low prices for any trading day during the year. [2] Simple average of the product prices from the Class and Component Prices Announcement. [3] Simple average of the block and barrel prices used in the calculation of the cheese price on the Class and Component Prices Announement. Historical data are available at: https://www.ams.usda.gov/rules-regulations/mmr/dmr.

AMS, Dairy Programs, (202) 720–4392.

Table 8-24.—Dairy products: Manufacturers' stocks, end of month, United States, 2017–2018 [1]

Month	Evaporated and condensed whole milk [2]		Dry whole milk		Nonfat dry milk, human	
	2017	2018	2017	2018	2017	2018
	1,000 pounds	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*
January	43,940	51,472	18,034	33,232	227,052	300,828
February	55,613	48,558	21,660	37,328	263,021	296,991
March	50,777	49,050	22,284	46,035	246,484	297,296
April	63,792	53,147	23,060	47,243	267,375	273,346
May	69,730	73,770	22,961	59,625	280,078	270,489
June	76,890	73,123	21,224	56,604	297,773	303,301
July	79,138	79,064	21,864	51,876	295,906	317,447
August	82,905	88,565	15,948	42,387	312,929	280,494
September	75,947	79,977	20,608	32,589	320,765	261,646
October	61,202	64,953	22,070	18,733	316,826	252,648
November	41,983	43,053	27,878	17,559	316,969	289,199
December	37,191	42,112	31,007	15,573	320,046	276,527

[1] Stocks held by manufacturers at all points and in transit. [2] Combined to avoid disclosing individual plant operations.
NASS, Livestock Branch, (202) 720–3570.

Table 8-25.—Dairy products: Total disappearance, and total and per capita consumption, United States, 2008–2017 [1]

Year	Butter			Cheese [2]			Condensed and evaporated milk [3]		
	Total disappearance	Consumption		Total disappearance	Consumption		Total disappearance	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	Million pounds	*Million pounds*	*Pounds*	*Million pounds*	*Million pounds*	*Pounds*	*Million pounds*	*Million pounds*	*Pounds*
2008	1,693	1,516	5.0	10,162	9,799	32.39	787	712	2.3
2009	1,551	1,522	5.0	10,248	9,917	32.48	771	703	2.3
2010	1,618	1,521	4.9	10,605	10,136	32.92	718	607	2.0
2011	1,795	1,676	5.4	10,893	10,301	33.24	711	598	1.9
2012	1,829	1,730	5.5	11,123	10,461	33.51	715	627	2.0
2013	1,915	1,732	5.5	11,364	10,580	33.66	723	594	1.9
2014	1,887	1,753	5.5	11,784	10,887	34.40	537	446	1.4
2015	1,841	1,800	5.6	12,056	11,275	35.35	782	697	2.2
2016	1,881	1,395	5.7	9,841	9,617	36.66	732	678	.....
2017	1,903	1,414	5.7	10,150	9,868	37.23	716	628	.....

Year	Reg hard ice cream (product weight)			Dry whole milk			Nonfat dry milk (human food)		
	Total disappearance	Consumption		Total disappearance	Consumption		Total disappearance	Consumption	
		Total	Per capita		Total	Per capita		Total	Per capita
	Million pounds	*Million pounds*	*Pounds*	*Million pounds*	*Million pounds*	*Pounds*	*Million pounds*	*Million pounds*	*Pounds*
2008	3,949	3,893	14.2	86	29	0.1	1,812	930	3.0
2009	3,860	3,804	13.9	97	78	0.3	1,789	1,227	4.0
2010	3,689	3,618	14.0	86	64	0.2	1,864	998	3.2
2011	3,603	3,522	13.2	84	67	0.2	1,926	942	3.0
2012	3,608	3,504	13.2	79	53	0.2	2,132	1,137	3.6
2013	3,565	3,430	13.0	88	54	0.2	2,159	918	2.9
2014	3,455	3,313	12.5	101	63	0.2	2,209	997	3.1
2015	3,494	3,362	12.9	141	105	0.3	2,306	1,057	3.3
2016	.....	4,063	12.9	60	33	0.3	1,592	951	3.0
2017	.....	3,959	12.7	73	50	0.4	1,442	862	2.8

[1] Total disappearance is based on production, imports, and change in stocks during the year. Production statistics for these commodities appear in other tables in this chapter. The total apparent consumption was obtained by subtracting ending stocks, shipments, and exports, from the total supply. The per capita consumption for each year was obtained by dividing the total apparent consumption by the number of persons. [2] Includes all kinds of cheese except cottage cheese. [3] The evaporated milk is unskimmed, unsweetened, case goods. The condensed milk is unsweetened, unskimmed, bulk goods; and sweetened condensed milk, unskimmed, case and bulk goods.
ERS, Animal Products and Cost of Production Branch, (202) 694–5171.

Table 8-26.—Dairy products: Dec. 31 stocks, United States, 2008–2017

Year	Butter [1] [2]	Cheese [1] [3]	Condensed and evaporated milk	Dry whole milk	Nonfat dry milk for human consumption [1]
	Million pounds	*Million pounds*	*Million pounds*	*Million pounds*	*Million pounds*
2008	119	852	42	5	247
2009	133	967	45	7	192
2010	82	1,048	52	8	145
2011	107	992	37	7	165
2012	153	1,023	38	7	183
2013	112	1,009	37	8	135
2014	105	1,018	32	23	240
2015	155	1,146	43	11	204
2016	166	1,198	42	.....	226
2017	169	1,280	37	.....	320

[1] Includes Government holdings. [2] Includes anhydrous milkfat and butter oil. [3] Excludes cottage cheese.
ERS, Animal Products and Cost of Production Branch, (202) 694–5171.

Table 8-27.—International dairy: Butter production, 2016–2018

Country	2016	2017	2018
	1,000 metric tons		
India	5,200	5,400	5,600
European Union	2,345	2,340	2,375
United States	834	838	860
New Zealand	570	525	530
Russia	246	270	263
Mexico	217	223	226
Canada	93	109	123
Belarus	118	120	116
Ukraine	103	109	106
Australia	110	103	100
Brazil	82	83	85
Japan	66	60	60
Argentina	47	46	50

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 8-28.—International dairy: Cheese production, 2016–2018

Country	2016	2017	2018
	1,000 metric tons		
European Union	9,810	10,050	10,160
United States	5,525	5,742	5,878
Russia	865	951	975
Brazil	745	771	755
Argentina	552	514	555
Canada	445	497	510
Mexico	375	396	410
New Zealand	360	378	380
Australia	344	348	360
Belarus	275	260	275
Ukraine	186	190	192
Japan	47	46	45
Korea, South	25	35	43
Algeria	0	0	0
Philippines	2	2	0

FAS, Office of Global Analysis, (202) 720-6301. Prepared or estimated on the basis of official USDA production, supply, and distribution statistics from foreign governments.

Table 8-29.—Dairy products: United States imports by country of origin, 2016–2018

Commodity and country of origin	2016	2017	2018
	Metric tons		
Licensed cheese items 1:			
Netherlands	6,440	6,459	6,500
United Kingdom	4,912	3,969	5,398
Ireland	1,514	1,920	2,366
Denmark(*)	1,921	1,693	1,939
Australia(*)	1,748	1,326	1,711
New Zealand(*)	7,782	4,701	1,459
Germany(*)	1,012	1,141	1,390
Canada	850	946	1,244
Jamaica	511	474	498
Italy(*)	351	279	408
France(*)	273	306	307
Dominican Republic	219	197	193
Finland	74	115	173
Bahrain	115	148	138
India	58	140	115
Estonia	0	17	97
Spain	39	26	62
Poland	46	43	39
Lithuania	28	27	33
Jordan	0	0	22
Norway(*)	11	0	20
Greece	0	3	9
Philippines	3	11	7
PortugalCroatia	3	3	3
Rest of World	68	9	5
World Total	27,977	23,950	24,135
Licensed cheese items 2:			
France(*)	21,026	18,328	20,187
Italy(*)	19,180	18,600	19,707
Switzerland(*)	8,178	8,152	9,116
Netherlands	7,660	7,718	7,785
Germany(*)	8,444	8,034	7,380
Norway(*)	6,506	6,458	6,506
Spain	5,361	5,121	6,327
Denmark(*)	4,256	4,736	6,000
Nicaragua	5,283	5,945	5,584
Ireland	4,119	4,078	4,400
Canada	5,990	4,331	4,146
Finland	3,780	3,387	3,386
Mexico	3,123	3,498	2,804
New Zealand(*)	2,228	2,118	1,970
Lithuania	2,548	1,534	1,925
Poland	2,087	1,792	1,647
Australia(*)	1,239	973	1,365
United Kingdom	1,250	1,033	1,273
Austria	861	782	749
Uruguay	648	616	742
Belgium-Luxembourg(*)	453	466	621
Greece	349	422	522
Egypt	526	671	513
Israel(*)	446	440	465
Rest of World	18,063	7,577	3,713
World Total	133,603	116,808	118,833
Licensed dairy, misc :			
Canada	24,481	28,364	29,326
Mexico	25,749	28,059	21,904
Chile	6,143	9,211	6,753
Ireland	1,480	2,256	2,690
Netherlands	9,460	16,800	2,242
Germany(*)	7,110	3,930	2,127
New Zealand(*)	4,221	2,051	1,129
Denmark(*)	255	1,018	864
Belgium-Luxembourg(*)	537	617	742
Israel(*)	0	2	706
Korea, South	1,083	245	662
Italy(*)	248	204	561
India	45	39	453
France(*)	207	195	426
Honduras	326	344	351
Peru	406	313	306
Australia(*)	888	365	270
Portugal	17	29	192
Brazil	154	129	185
Colombia	911	164	174
Argentina	415	69	142
United Arab Emirates	254	224	122
Costa Rica	120	30	71
United Kingdom	320	73	46
Rest of World	608	327	200
World Total	85,437	95,059	72,644

See footnote(s) at end of table.

Table 8-29.—Dairy products: United States imports by country of origin, 2016–2018—Continued

Commodity and country of origin	2016	2017	2018
	Metric tons	*Metric tons*	*Metric tons*
Non-licensed cheese:			
Italy(*)	13,427	17,435	11,929
Spain	5,283	5,320	5,774
France(*)	3,567	3,159	3,935
Greece	3,290	3,405	3,624
Bulgaria	2,678	2,583	2,815
Lithuania	11,280	3,855	1,505
Israel(*)	630	553	584
Cyprus	380	461	516
Turkey	654	191	397
United Kingdom	989	693	384
Norway(*)	229	428	383
El Salvador	351	207	357
Romania	432	486	301
Switzerland(*)	20	14	214
Netherlands	207	197	160
Jordan	10	13	114
Egypt	40	27	77
Georgia	4	16	34
Portugal	25	28	26
Rest of World	254	2,565	104
World Total	43,749	41,635	33,232
Casein:			
New Zealand(*)	32,133	30,658	23,141
Netherlands	9,086	10,664	8,149
Ireland	9,707	7,468	7,456
France(*)	2,995	2,890	4,306
Denmark(*)	3,759	3,886	3,701
Argentina	874	2,298	3,568
Poland	3,705	3,888	2,442
India	2,486	1,506	2,249
Germany(*)	2,135	2,295	1,482
Uganda	1,446	1,020	476
Belgium-Luxembourg(*)	0	0	54
Switzerland(*)	0	0	24
United Kingdom	5	0	19
Italy(*)	1	4	4
Mexico	0	1	2
Australia(*)	57	0	0
Canada	5	6	0
World Total	68,393	66,584	57,072

See footnote(s) at end of table.

Table 8-29.—Dairy products: United States imports by country of origin, 2016–2018—Continued

Commodity and country of origin	2016	2017	2018
	Metric tons		
Lactose:			
Germany(*)	1,677	2,165	1,853
Netherlands	1,036	1,045	421
Canada	893	503	203
New Zealand(*)	76	86	127
France(*)	31	0	45
China	7	34	24
Italy(*)	5	1	11
Argentina	5	0	5
Belgium-Luxembourg(*)	3	0	3
Bosnia and Herzegovina	4	0	3
Singapore	2	0	3
Belarus	22	5	3
Lithuania	0	0	2
Japan	0	1	1
South Africa	0	0	1
Switzerland(*)	1	8	1
Australia(*)	0	16	0
Denmark(*)	8	0	0
India	0	2	0
Peru	1	0	0
Poland	0	5	0
Russia	7	12	0
Thailand	2	0	0
Taiwan	6	1	0
Ukraine	0	4	0
World Total	3,786	3,887	2,704
Butter:			
Ireland	13,346	19,598	28,422
Mexico	11,683	6,091	7,766
India	174	507	6,133
New Zealand(*)	8,046	5,464	5,344
United Kingdom	2,652	3,268	2,477
France(*)	1,806	1,974	2,186
Australia(*)	1,906	158	1,096
Canada	661	815	895
Finland	687	912	823
Colombia	0	73	342
Netherlands	75	170	189
Denmark(*)	184	109	144
Germany(*)	129	137	130
Poland	119	129	99
Belgium-Luxembourg(*)	118	60	92
Chile	1,077	1,223	90
Uruguay	171	54	80
Italy(*)	72	52	77
Lithuania	37	35	39
Portugal	11	14	27
Bangladesh	11	5	21
Turkey	34	15	19
Other Pacific Islands, NEC(*)	4	3	18
Ukraine	4	3	16
Argentina	42	96	15
Iceland	12	12	12
Brazil	1	2	11
Egypt	4	1	7
Bosnia and Herzegovina	0	0	6
Russia	1	2	6
Rest of World	682	381	20
World Total	43,748	41,361	56,601

(*) Denotes a country that is a summarization of its component countries. Note: All zeroes for a data item may show that statistics exist in the other import type. Consumption or General. Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to the assigned unit of measure of the grouped commodities.

FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 8-30.—Dairy products: United States exports by country of destination, 2016–2018

Commodity and country of destination	2016	2017	2018
	Metric tons		
Condensed & evap milk:			
Mexico	6,835	6,798	6,115
Dominican Republic	1,642	1,198	2,113
Vietnam	1,918	1,757	1,168
Canada	1,053	1,153	878
Bahamas, The	614	769	816
El Salvador	95	496	657
Korea, South	374	415	431
Jamaica	120	177	415
Panama	311	125	385
Trinidad and Tobago	526	556	370
China	468	530	369
Thailand	0	229	235
Netherlands Antilles(*)	156	298	228
Egypt	0	0	225
Sweden	16	43	208
Hong Kong	388	527	205
Malaysia	155	155	201
Peru	124	24	173
Chile	9	283	138
Philippines	40	131	120
Honduras	223	59	117
Guatemala	65	64	109
Belize	73	22	103
Australia(*)	2	22	101
Japan	55	100	99
Costa Rica	179	150	98
Bermuda	137	153	88
Leeward-Windward Islands(*)	85	59	86
Singapore	248	106	77
Colombia	58	72	72
Rest of World	1,161	623	538
World Total	17,130	17,092	16,935
Non-fat dry milk:			
Mexico	273,992	276,309	346,727
Philippines	82,048	73,328	85,909
Indonesia	53,860	31,977	55,801
Vietnam	27,869	21,800	35,506
Malaysia	25,485	27,717	31,312
China	18,278	34,774	21,054
Pakistan	22,601	23,131	17,888
Peru	10,033	15,676	14,068
Chile	7,394	11,119	11,227
Colombia	11,669	8,854	10,716
Korea, South	6,179	8,822	8,640
Honduras	86	2,550	8,485
New Zealand(*)	0	600	7,998
Japan	3,609	12,596	7,748
Dominican Republic	5,719	5,971	5,541
Canada	3,810	3,465	4,400
Sri Lanka	5,928	4,578	4,079
Thailand	4,666	5,093	4,015
Singapore	2,226	3,657	3,359
Nigeria	2,688	2,539	2,814
Egypt	6,410	4,690	2,239
Bangladesh	290	529	2,218
Nicaragua	185	1,633	2,164
El Salvador	786	1,170	2,132
Panama	1,771	2,763	1,878
Algeria	2,101	2,114	1,829
United Arab Emirates	777	1,806	1,725
Guatemala	1,023	1,179	1,180
Brazil	5,877	2,881	1,148
Israel(*)	1,112	935	1,092
Rest of World	5,572	11,704	8,335
World Total	594,046	605,958	713,227

See footnote(s) at end of table.

Table 8-30.—Dairy products: United States exports by country of destination, 2016–2018—Continued

Commodity and country of destination	2016	2017	2018
	Metric tons		
Dry whole milk & cream:			
Vietnam	543	4,715	11,777
China	2,300	9,281	10,340
Mexico	10,598	5,787	7,236
Singapore	2	28	5,958
Colombia	10,665	1,733	2,837
Canada	2,761	2,375	1,629
Malaysia	396	423	838
Indonesia	97	0	804
Dominican Republic	17	248	755
Australia(*)	150	435	708
El Salvador	574	116	688
New Zealand(*)	0	0	558
Chile	89	223	528
Peru	38	117	433
Saudi Arabia	31	9	372
Panama	344	264	325
Algeria	0	98	325
Korea, South	256	289	200
Philippines	3	46	190
Hong Kong	543	183	185
Ecuador	0	0	135
Cambodia	0	0	115
Japan	251	0	105
Trinidad and Tobago	123	196	97
Honduras	0	2	97
Guatemala	9	51	84
Bangladesh	0	0	72
Qatar	39	13	59
Georgia	0	0	58
United Arab Emirates	61	34	47
Rest of World	1,471	678	415
World Total	31,357	32,494	27,333
Butter and milkfat:			
Mexico	9,410	4,266	16,126
Canada	8,886	11,111	13,881
Saudi Arabia	1,830	1,821	2,343
Denmark(*)	1	437	1,582
Dominican Republic	223	380	1,431
Honduras	81	29	1,244
Korea, South	706	1,710	1,088
Taiwan	495	638	836
Japan	15	210	794
Panama	201	345	503
Morocco	96	639	477
Bahrain	95	416	459
Guatemala	91	89	391
Singapore	10	186	326
United Arab Emirates	221	598	271
Colombia	49	132	270
Belgium-Luxembourg(*)	0	431	263
Jamaica	132	259	256
Peru	121	1,256	233
Bahamas, The	140	170	217
France(*)	2	0	152
Leeward-Windward Islands(*)	83	120	145
Bermuda	152	135	140
Belize	270	317	137
Netherlands Antilles(*)	118	109	129
Cayman Islands	112	188	128
Turkey	1	1	109
Nicaragua	2	21	100
Iran	0	0	95
Pakistan	8	46	89
Rest of World	1,498	2,942	859
World Total	25,047	29,001	45,072

See footnote(s) at end of table.

Table 8-30.—Dairy products: United States exports by country of destination, 2016–2018—Continued

Commodity and country of destination	2016	2017	2018
	Metric tons		
Ice cream:			
Mexico	16,325	18,023	16,883
Australia(*)	4,180	5,150	7,043
Canada	2,585	3,882	6,577
Saudi Arabia	6,435	6,081	6,183
United Kingdom	449	771	4,958
United Arab Emirates	4,084	3,796	3,379
Trinidad and Tobago	1,252	1,666	1,719
Brazil	1,076	782	1,629
Malaysia	1,763	1,762	1,610
Korea, South	1,165	1,444	1,347
Bahamas, The	1,384	1,348	1,251
Chile	901	1,274	1,192
Philippines	1,224	804	1,116
China	1,401	645	1,013
Qatar	799	950	966
Kuwait	755	1,042	957
France(*)	631	819	948
Nigeria	689	236	910
Singapore	777	797	857
Japan	714	1,391	707
Jamaica	565	607	685
Netherlands Antilles(*)	600	607	656
Leeward-Windward Islands(*)	469	490	636
Bermuda	707	701	625
Dominican Republic	635	528	603
Indonesia	382	746	566
Bahrain	570	562	482
Netherlands	361	494	472
Panama	566	569	413
Oman	156	405	412
Rest of World	4,191	5,026	4,096
World TotalWorld Total	57,789	63,395	70,890
Cheese and curd:			
Mexico	89,982	96,420	96,902
Korea, South	42,464	52,306	56,169
Japan	27,799	32,411	33,239
Australia(*)	15,576	30,041	24,444
China	9,902	14,338	12,780
Chile	8,652	9,091	10,806
Saudi Arabia	6,704	8,095	8,767
Taiwan	7,372	8,003	8,561
Guatemala	5,661	6,252	7,935
Canada	13,289	11,788	7,712
Panama	5,186	5,928	7,194
Philippines	4,552	6,766	7,145
Dominican Republic	6,306	6,482	6,902
United Arab Emirates	2,461	4,556	5,457
Indonesia	2,485	5,255	5,214
Colombia	2,632	3,249	3,838
Honduras	2,605	3,773	3,347
Malaysia	933	1,042	3,020
Peru	2,908	2,851	2,919
Costa Rica	2,236	2,442	2,674
New Zealand(*)	1,846	2,432	2,410
Jamaica	1,374	1,900	2,144
Kuwait	2,103	2,256	2,033
Bahrain	722	1,425	1,961
Netherlands Antilles(*)	1,292	1,285	1,872
Trinidad and Tobago	1,625	1,677	1,849
Singapore	1,153	1,323	1,832
Hong Kong	1,838	2,132	1,812
Bahamas, The	1,519	1,789	1,744
El Salvador	1,221	1,219	1,623
Rest of World	12,236	12,589	14,254
World Total	286,633	314,113	348,561

See footnote(s) at end of table.

Table 8-30.—Dairy products: United States exports by country of destination, 2016–2018—Continued

Commodity and country of destination	2016	2017	2018
	Liters		
Fluid milk and cream:			
Mexico	36,624,368	38,284,376	38,189,834
Taiwan	22,335,069	28,782,314	37,675,729
Canada	39,340,038	23,311,949	22,864,257
Dominican Republic	7,586,008	2,349,212	6,390,531
Hong Kong	2,032,424	1,916,908	1,869,960
Bahamas, The	1,289,063	1,203,083	1,388,372
United Arab Emirates	70,252	452,025	915,169
Vietnam	2,229,860	949,490	910,394
Turks and Caicos Islands	725,809	759,379	650,111
Singapore	438,289	564,711	604,743
Korea, South	124,097	339,658	553,294
Cayman Islands	611,407	185,856	418,944
Malaysia	184,910	62,700	408,832
Philippines	698,861	329,344	365,236
Leeward-Windward Islands(*)	391,783	370,466	317,379
China	304,180	111,032	193,365
Barbados	86,990	88,524	156,524
Bermuda	415,101	158,220	140,888
Colombia	73,889	576,827	125,043
Micronesia	36,954	108,232	124,384
Cambodia	0	10,800	105,679
Panama	75,499	210,997	93,939
Japan	1,893	3,000	92,813
Uruguay	73,904	58,594	83,832
Thailand	62,413	46,078	83,312
India	3,200	153,962	72,662
Netherlands	320	42,248	63,014
Costa Rica	6,441	29,518	56,974
Palau	88,926	45,435	49,793
Guatemala	36,948	87,801	48,616
Rest of World	1,730,024	4,006,823	379,051
World Total	117,678,920	105,599,562	115,392,674
	Metric tons		
Whey:			
China	207,647	243,532	196,770
Mexico	48,862	56,930	64,407
Philippines	26,135	32,308	36,631
Canada	37,671	37,192	30,464
Japan	18,844	23,389	30,391
Vietnam	23,208	11,517	21,350
New Zealand(*)	18,456	23,057	20,552
Indonesia	20,180	14,397	18,123
Korea, South	12,105	9,984	14,572
Malaysia	13,698	7,179	12,045
Thailand	10,379	10,468	11,312
Singapore	2,839	7,864	7,824
Hong Kong	1,086	1,965	7,405
Egypt	4,962	4,424	6,612
Morocco	704	731	6,204
Taiwan	5,979	6,615	5,993
Colombia	3,606	4,902	5,149
Australia(*)	5,304	6,155	4,182
Chile	1,729	3,540	3,573
Belgium-Luxembourg(*)	106	372	3,417
Guatemala	2,084	2,921	3,379
El Salvador	1,775	2,099	2,778
Peru	2,444	2,999	2,682
Dominican Republic	1,513	1,927	2,340
Honduras	1,033	937	1,979
Ghana	984	1,013	1,811
Nicaragua	1,593	1,718	1,590
Costa Rica	1,269	1,183	1,435
India	682	929	1,188
Israel(*)	1,163	841	875
Rest of World	12,519	12,869	9,229
World Total	490,556	535,957	536,263

(*) Denotes a country that is a summarization of its component countries. Note: Users should use cautious interpretation on quantity reports using mixed units of measure. Quantity line items will only include statistics on the units of measure that are equal to, or are able to be converted to, the assigned unit of measure of the grouped commodities.
FAS, Office of Global Analysis, (202) 720-6301. Data Source: U.S. Census Bureau Trade Data.

Table 8-31.—Chickens: Layers, pullets, and other chickens, by State and United States, December 1, 2017 and 2018

State	Total layers		Total pullets		Other Chickens	
	2017	2018	2017	2018	2017	2018
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Thousands*
Alabama	9,348	9,962	5,792	6,342	973	1,071
Arkansas	14,175	14,690	8,372	8,596	1,009	1,060
California	14,582	15,021	3,237	4,025	54	54
Colorado	4,635	5,141	1,254	1,124	36	55
Florida	7,383	7,352	2,087	1,618	20	25
Georgia	20,134	20,222	8,822	9,644	1,101	894
Illinois	5,635	6,476	433	365	22	19
Indiana	34,082	34,631	9,202	9,693	72	49
Iowa	56,337	58,188	13,243	14,313	107	78
Kentucky	5,644	5,942	2,541	2,418	214	216
Louisiana	2,014	2,078	735	637	75	99
Maryland	2,858	2,831	1,400	1,260	9	8
Massachusetts	140	154	9	30	-	-
Michigan	14,737	16,149	3,655	3,476	4	4
Minnesota	10,458	11,174	3,427	2,974	33	37
Mississippi	5,684	5,536	3,531	3,651	501	508
Missouri	10,509	12,537	4,527	5,600	191	199
Montana	942	1,000	244	236	-	-
Nebraska	7,670	8,453	1,814	1,711	52	28
New York	5,626	5,628	1,095	996	6	11
North Carolina	15,294	13,434	7,319	7,399	894	851
Ohio	35,542	32,967	8,395	10,632	51	1
Oklahoma	2,951	3,105	1,103	1,192	232	179
Oregon	2,404	2,279	553	725	-	-
Pennsylvania	29,391	28,758	4,737	5,161	165	182
South Carolina	4,055	4,263	1,399	1,334	156	125
South Dakota	2,682	2,665	882	777	-	-
Tennessee	1,872	1,658	915	1,019	170	147
Texas	22,549	22,747	6,559	6,533	404	349
Utah	5,036	4,713	1,178	1,139	-	-
Vermont	202	190	20	6	-	2
Virginia	2,675	2,735	1,011	1,283	151	165
Washington	6,770	6,772	1,721	1,339	-	-
West Virginia	1,251	1,207	770	632	99	93
Wisconsin	7,383	7,284	1,679	1,509	22	25
Other States [1]	18,156	18,928	3,512	4,746	36	34
United States	390,806	396,870	117,173	124,135	6,859	6,568

- Represents zero. [1] Alaska, Arizona, Connecticut, Delaware, Hawaii, Idaho, Kansas, Maine, New Hampshire, New Jersey, New Mexico, Nevada, North Dakota, Rhode Island, and Wyoming combined to avoid disclosing individual operations.
NASS, Livestock Branch, (202) 720–3570.

Table 8-32.—Chickens: Inventory number and value, United States, Dec. 1, 2009–2018 [1]

Year	Total layers	Total pullets	Other chickens	All chickens	Value per head	Total value
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Dollars*	*1,000 dollars*
2009	342,058	104,069	8,487	454,614	3.32	1,510,038
2010	342,782	107,025	7,390	457,197	3.58	1,637,016
2011	343,283	104,159	6,922	454,364	3.79	1,721,671
2012	354,977	105,140	6,827	466,944	4.04	1,885,904
2013	367,356	108,919	6,853	483,128	4.15	2,007,374
2014	374,880	108,044	6,403	489,327	4.13	2,020,748
2015	356,312	120,007	7,211	483,530	4.38	2,115,982
2016	380,610	113,239	6,759	500,608	4.23	2,115,245
2017	390,806	117,173	6,859	514,838	4.20	2,162,545
2018	396,870	124,135	6,568	527,573	4.33	2,284,164

[1] Excludes commercial broilers.
NASS Livestock Branch, (202) 720-3570.

Table 8-33.—Chicken inventory: Number, value per head, and total value, by State and United States, December 1, 2017 and 2018 [1]

State	Number		Value per bird		Total value	
	2017	2018	2017	2018	2017	2018
	1,000 Head	*1,000 Head*	*Dollars*	*Dollars*	*1,000 Dollars*	*1,000 Dollars*
Alabama	16,113	17,375	7.40	9.20	119,236	159,850
Arkansas	23,556	24,346	7.90	8.50	186,092	206,941
California	17,873	19,100	3.70	3.80	66,130	72,580
Colorado	5,925	6,320	2.50	2.40	14,813	15,168
Florida	9,490	8,995	2.30	2.70	21,827	24,287
Georgia	30,057	30,760	6.20	6.60	186,353	203,016
Illinois	6,090	6,860	2.70	2.60	16,443	17,836
Indiana	43,356	44,373	1.90	2.30	82,376	102,058
Iowa	69,687	72,579	2.30	2.40	160,280	174,190
Kentucky	8,399	8,576	4.80	5.00	40,315	42,880
Louisiana	2,824	2,814	5.20	5.50	14,685	15,477
Maryland	4,267	4,099	4.00	3.90	17,068	15,986
Massachusetts	149	184	7.50	9.50	1,118	1,748
Michigan	18,396	19,629	2.20	2.60	40,471	51,035
Minnesota	13,918	14,185	2.30	2.30	32,011	32,626
Mississippi	9,716	9,695	8.80	8.60	85,501	83,377
Missouri	15,227	18,336	4.10	4.20	62,431	77,011
Montana	1,186	1,236	5.70	8.60	6,760	10,630
Nebraska	9,536	10,192	3.70	4.10	35,283	41,787
New York	6,727	6,635	2.40	2.90	16,145	19,242
North Carolina	23,507	21,684	7.70	8.70	181,004	188,651
Ohio	43,988	43,600	4.40	3.80	193,547	165,680
Oklahoma	4,286	4,476	7.00	7.50	30,002	33,570
Oregon	2,957	3,004	5.00	4.90	14,785	14,720
Pennsylvania	34,293	34,101	4.20	3.60	144,031	122,764
South Carolina	5,610	5,722	4.70	5.00	26,367	28,610
South Dakota	3,564	3,442	3.50	3.50	12,474	12,047
Tennessee	2,957	2,824	9.40	9.10	27,796	25,698
Texas	29,512	29,629	4.40	4.80	129,853	142,219
Utah	6,214	5,852	2.20	2.30	13,671	13,460
Vermont	222	198	8.60	7.20	1,909	1,426
Virginia	3,837	4,183	7.30	6.50	28,010	27,190
Washington	8,491	8,111	3.90	4.20	33,115	34,066
West Virginia	2,120	1,932	7.50	7.90	15,900	15,263
Wisconsin	9,084	8,818	2.40	2.50	21,802	22,045
Other States [2]	21,704	23,708	3.82	2.91	82,941	69,030
United States	514,838	527,573	4.20	4.33	2,162,545	2,284,164

Totals may not add due to rounding. [1] Excludes commercial broilers. [2] Alaska, Arizona, Connecticut, Delaware, Hawaii, Idaho, Kansas, Maine, New Hampshire, New Jersey, New Mexico, Nevada, North Dakota, Rhode Island and Wyoming combined to avoid disclosing data for individual operations.

NASS, Livestock Branch, (202) 720-3570.

Table 8-34.—Mature chickens: Lost, sold for slaughter, price, and value, United States, 2009–2018 [1]

Year	Number		Pounds (live weight) sold [3]	Price per pound live weight [3]
	Lost [2]	Sold [3]		
	1,000 head	*1,000 head*	*1,000 pounds*	*1,000 dollars*
2009	99,596	176,266	910,333	65,381
2010	108,356	173,404	903,750	73,099
2011	106,361	182,153	943,142	81,110
2012	103,758	179,162	901,411	79,208
2013	102,105	186,486	940,635	89,497
2014	106,166	192,334	970,852	96,840
2015	132,625	198,648	1,010,070	104,828
2016	106,166	207,923	1,060,677	87,949
2017	125,941	189,841	1,001,685	46,999
2018	136,698	189,603	1,019,695	49,365

[1] Annual estimates cover the period December 1 previous year through November 30. Excludes broilers. [2] Includes rendered, died, destroyed, composted, or disappeared for any reason (excluding sold for slaughter) during the 12-month period.

NASS, Livestock Branch, (202) 720–3570.

Table 8-35.—Chickens: Lost, sold for slaughter, and value of sales, by State and United States, 2017 and 2018 [1]

State	Number lost [2]		Number sold		Pounds sold		Value of sales	
	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 head				*1,000 pounds*		*1,000 dollars*	
Alabama	3,195.9	3,476.2	11,002.1	11,650.7	87,466.7	92,856.1	6,472.5	7,057.1
Arkansas	3,474.2	3,513.9	16,212.7	15,524.2	121,595.3	115,034.3	8,633.3	8,282.5
California	5,978.1	7,143.7	3,013.3	2,671.1	11,058.8	9,909.8	132.7	109.0
Colorado	2,313.7	2,240.8	1,553.0	1,286.7	7,873.7	6,973.9	338.6	341.7
Florida	5,378.0	5,022.6	380.5	401.7	2,891.8	3,000.7	214.0	216.1
Georgia	6,131.3	6,425.8	15,484.6	17,214.4	108,701.9	118,262.9	7,283.0	7,805.4
Illinois	1,221.4	1,487.4	1,911.5	2,505.2	7,301.9	9,519.8	109.5	123.8
Indiana	14,310.9	13,820.0	11,245.3	12,441.1	39,246.1	44,041.5	196.2	220.2
Iowa	28,024.3	31,854.6	6,376.6	9,608.6	22,063.0	33,534.0	110.3	100.6
Kentucky	992.6	1,085.1	4,506.6	5,181.5	26,138.3	30,260.0	1,437.6	1,664.3
Louisiana	315.0	403.5	1,879.4	1,930.1	11,953.0	12,410.5	729.1	769.5
Maryland	280.0	809.6	1,525.3	508.1	5,613.1	2,118.8	67.4	50.9
Massachusetts	9.2	89.2	75.4	0.2	254.1	0.7	(Z)	(Z)
Michigan	1,069.5	3,959.0	9,756.2	5,674.0	32,976.0	19,518.6	33.0	19.5
Minnesota	3,902.3	4,729.9	4,058.2	3,571.8	15,705.2	15,394.5	267.0	431.0
Mississippi	1,399.8	1,406.8	5,525.2	5,812.7	40,555.0	43,072.1	2,798.3	3,058.1
Missouri	3,209.7	2,418.0	8,703.9	6,790.5	41,865.8	34,971.1	1,632.8	1,573.7
Montana	322.6	629.9	52.3	5.1	176.3	17.5	(Z)	(Z)
Nebraska	791.9	1,272.1	5,814.8	4,035.2	19,886.6	14,042.5	59.7	28.1
New York	509.2	586.4	3,903.2	4,532.3	13,192.8	15,681.8	13.2	15.7
North Carolina	4,056.5	4,059.9	14,993.5	17,210.5	103,305.2	112,900.9	6,818.1	7,112.8
Ohio	10,930.4	11,193.0	12,950.4	12,662.9	46,491.9	46,219.6	371.9	416.0
Oklahoma	736.2	775.1	2,562.1	2,251.2	20,112.5	18,144.7	1,488.3	1,397.1
Oregon	1,625.6	1,710.8	14.1	14.9	47.5	51.3	(Z)	(Z)
Pennsylvania	2,781.9	2,855.3	11,201.6	11,911.9	41,670.0	45,146.1	541.7	632.0
South Carolina	1,961.7	1,993.0	1,916.2	2,269.1	12,608.6	15,611.4	807.0	1,046.0
South Dakota	904.6	1,091.5	1,072.3	140.3	3,613.7	481.2	3.6	0.5
Tennessee	521.1	467.9	1,802.3	1,917.2	14,076.0	14,800.8	1,041.6	1,095.3
Texas	4,156.5	3,686.8	14,270.9	14,350.6	69,784.7	72,470.5	2,861.2	3,116.2
Utah	1,598.2	1,127.0	2,648.0	2,271.9	8,923.8	7,815.3	8.9	7.8
Vermont	19.2	25.2	103.2	142.2	390.1	594.4	5.9	14.3
Virginia	1,536.5	1,326.4	2,116.9	2,092.1	17,041.0	16,841.4	1,278.1	1,279.9
Washington	4,852.1	5,113.0	33.3	36.3	112.2	129.6	(Z)	(Z)
West Virginia	286.7	276.3	1,690.7	1,740.5	13,153.6	13,680.3	973.4	1,026.0
Wisconsin	1,093.4	2,951.1	2,540.6	2,157.1	9,781.3	9,340.2	166.3	261.5
Other States [3]	6,050.5	5,670.9	6,944.5	7,088.7	24,057.8	24,845.7	104.2	90.9
United States	125,940.7	136,697.7	189,840.7	189,602.6	1,001,685.3	1,019,694.5	46,999.0	49,364.4

(Z) Less than half of the unit shown. [1] Annual estimates cover the period December 1 previous year through November 30. Exclude broilers. Totals may not add due to rounding. [2] Includes rendered, died, destroyed, composted, or disappeared for any reason except sold during the 12-month period. [3] Alaska, Arizona, Connecticut, Delaware, Hawaii, Idaho, Kansas, Maine, Nevada, New Hampshire, New Jersey, New Mexico, North Dakota, Rhode Island, and Wyoming combined to avoid disclosing data for individual operations.

NASS, Livestock Branch, (202) 720–3570.

Table 8-36.—Chickens: Production, commercial storage, exports, and consumption, United States, 2009–2018

Year	Production			Commercial storage at beginning of year	Exports	Commercial storage at end of year	Consumption	
	Commercial broilers	Other chickens	Total [1]				Total [1 2]	Per capita
	Million pounds							*Pounds*
2009	35,130	500	35,630	748	6,917	618	28,949	94
2010	36,515	504	37,018	618	6,840	777	30,130	97
2011	36,804	521	37,325	777	7,069	592	30,549	98
2012	36,643	516	37,159	592	7,363	652	29,850	95
2013	37,425	523	37,948	652	7,453	675	30,597	97
2014	38,153	521	38,673	675	7,406	683	31,378	98
2015	39,620	522	40,142	683	6,465	840	33,652	105
2016	40,261	548	40,809	840	6,803	786	34,194	106
2017	41,217	535	41,751	786	6,916	861	34,890	107
2018	42,145	539	42,684	861	7,153	850	35,683	109

[1] Totals may not add due to rounding. [2] Shipments to territories now included in total consumption.

ERS Markets and Trade Economics Division, Animal Products and Cost of Production Branch, (202) 694–5308.

Table 8-37.—Broilers: Production and value, United States, 2009–2018 [1] [2] [3]

Year	Number produced	Pounds produced	Value of production
	1,000 head	*1,000 pounds*	*1,000 dollars*
2009	8,550,200	47,752,300	21,822,804
2010	8,623,600	49,152,600	23,691,553
2011	8,607,600	50,082,400	22,987,822
2012	8,463,000	49,655,600	24,827,800
2013	8,533,800	50,678,200	30,761,669
2014	8,545,000	51,378,700	32,728,234
2015	8,688,700	53,376,200	28,716,398
2016	8,776,700	54,259,100	25,935,852
2017	8,913,800	55,573,900	30,232,203
2018	9,037,100	56,791,100	31,746,230

[1] December 1, previous year through November 30, current year. [2] Broiler production including other domestic meat-type strains. [3] Excludes States producing less than 500,000 broilers.
NASS, Livestock Branch, (202) 720–3570.

Table 8-38.—Broilers: Production and value, States and United States, 2017 and 2018 [1]

State	2017			2018		
	Number produced	Pounds produced	Value of production	Number produced	Pounds produced	Value of production
	1,000 head	*1,000 pounds*	*1,000 dollars*	*1,000 head*	*1,000 pounds*	*1,000 dollars*
Alabama	1,095,400	6,134,200	3,337,005	1,123,700	6,180,400	3,454,844
Arkansas	1,059,000	6,989,400	3,802,234	1,092,000	7,316,400	4,089,868
Delaware	259,800	1,870,600	1,017,606	263,600	1,924,300	1,075,684
Florida	65,200	371,600	202,150	65,400	385,900	215,718
Georgia	1,363,400	8,044,100	4,375,990	1,361,400	8,168,400	4,566,136
Kentucky	295,800	1,893,100	1,029,846	303,300	1,971,500	1,102,069
Maryland	306,700	1,840,200	1,001,069	289,400	1,736,400	970,648
Minnesota	59,700	358,200	194,861	59,100	360,500	201,520
Mississippi	741,100	4,743,000	2,580,192	747,800	4,711,100	2,633,505
Missouri	291,100	1,426,400	775,962	293,100	1,465,500	819,215
North Carolina	830,800	6,563,300	3,570,435	873,600	6,901,400	3,857,883
Ohio	99,300	526,300	286,307	107,900	561,100	313,655
Oklahoma	204,500	1,370,200	745,389	196,800	1,318,600	737,097
Pennsylvania	185,200	1,037,100	564,182	200,100	1,140,600	637,595
South Carolina	243,100	1,798,900	978,602	237,800	1,807,300	1,010,281
Tennessee	171,500	909,000	494,496	177,300	939,700	525,292
Texas	651,200	4,102,600	2,231,814	653,500	4,247,800	2,374,520
Virginia	277,400	1,608,900	875,242	278,900	1,673,400	935,431
West Virginia	86,100	335,800	182,675	83,300	316,500	176,924
Wisconsin	53,800	226,000	122,944	55,800	228,800	127,899
Other States [2]	573,700	3,425,000	1,863,202	573,300	3,435,500	1,920,446
United States	8,913,800	55,573,900	30,232,203	9,037,100	56,791,100	31,746,230

[1] Annual estimates cover the period December 1 previous year through November 30. Broiler production including other domestic meat-type strains. Excludes States producing less than 500,000 broilers. [2] Includes State estimates not shown and States whithheld to avoid disclosing data for individual operations.
NASS, Livestock Branch, (202) 720–3570.

Table 8-39.—Poultry: Slaughtered under Federal inspection, by class, United States, 2016–2018

Class	Number slaughtered			Total live weight		
	2016	2017	2018	2016	2017	2018
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Thousands*
Young chickens	8,768,399	8,916,083	9,034,504	54,036,929	55,314,913	56,541,518
Mature chickens	140,587	134,619	126,406	848,287	822,578	816,199
Total chickens	8,908,986	9,050,702	9,160,910	54,885,216	56,137,491	57,357,717
Young turkeys	241,418	240,014	235,198	7,412,058	7,420,122	7,310,114
Old turkeys	1,837	1,666	1,662	51,966	48,973	48,981
Total turkeys	243,255	241,680	236,860	7,464,024	7,469,095	7,359,095
Ducks	27,268	26,628	27,647	186,715	184,338	192,980
Other poultry [1]	(NA)	(NA)	(NA)	4,054	4,211	3,872
Total poultry	(NA)	(NA)	(NA)	62,540,009	63,795,135	64,913,664

Class	Pounds condemned					
	Ante-mortem (live weight)			Post-mortem (Carcass and parts)		
	2016	2017	2018	2016	2017	2018
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Thousands*	*Thousands*
Young chickens	124,994	124,241	130,452	356,808	342,149	322,994
Mature chickens	10,156	9,563	8,167	30,365	25,923	20,727
Total chickens	135,150	133,804	138,619	387,173	368,072	343,721
Young turkeys	18,680	18,798	19,090	86,939	84,726	82,278
Old turkeys	662	543	494	1,900	2,025	1,944
Total turkeys	19,342	19,341	19,584	88,839	86,751	84,222
Ducks	528	592	797	3,633	3,531	3,667
Other poultry [2]	4	5	5	28	40	35
Total poultry	155,024	153,742	159,005	479,673	458,394	431,645

Class	Pounds certified (ready-to-cook)		
	2016	2017	2018
	Thousands	*Thousands*	*Thousands*
Young chickens	40,696,114	41,662,394	42,600,735
Mature chickens	548,567	535,291	539,362
Total chickens	41,244,681	42,197,685	43,140,097
Young turkeys	5,942,076	5,943,827	5,841,082
Old turkeys	39,025	36,750	37,009
Total turkeys	5,981,101	5,980,577	5,878,091
Ducks	135,821	134,313	140,936
Other poultry [2]	2,655	2,727	2,563
Total poultry	47,364,258	48,315,302	49,161,687

(NA) Not available. [1] Includes geese, guineas, ostriches, emus, rheas, and squab. [2] Includes geese, guineas, and squab.

NASS, Livestock Branch, (202) 720–3570.

Table 8-40.—Poultry: Feed-price ratios, United States, 2009–2018

Year	Ratios [1]		
	Egg-feed	Broiler-feed	Turkey-feed
	Pounds	*Pounds*	*Pounds*
2009	7.2	4.1	5.0
2010	7.5	4.5	6.2
2011	6.0	3.1	4.9
2012	5.4	3.1	4.7
2013	6.5	3.7	4.6
2014	10.2	5.0	6.3
2015	17.1	5.0	8.5
2016	5.9	4.7	9.2
2017	7.7	5.4	7.2
2018	11.3	5.6	5.5

[1] Number of pounds of poultry feed equivalent in value at local market prices to 1 dozen market eggs, or 1 pound of broiler or 1 pound of turkey live weight. Simple average of monthly feed-price ratios. Egg feed= corn (75 lbs) and soybeans (25 lbs); broiler feed= corn (58 lbs); soybeans (42 lbs); turkey feed= corn (51 lbs), soybeans (28 lbs), and wheat (21 lbs). Monthly equivalent prices of commercial prepared feeds are based on current U.S. prices received for corn, soybeans, and wheat.

NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 8-41.—Turkeys: Supply, distribution, and per capita consumption, ready-to-cook basis, United States, 2009–2018

Year	Production	Commercial storage at beginning of year	Exports	Commercial storage at end of year	Consumption	
					Total [1 2]	Per capita
	Million pounds	*Million pounds*	*Million pounds*	*Million pounds*	*Million pounds*	*Pounds*
2009	5,589	396	534	262	5,210	17.0
2010	5,570	262	581	192	5,084	16.4
2011	5,715	192	703	211	5,013	16.1
2012	5,889	211	797	296	5,028	16.0
2013	5,729	296	741	237	5,068	16.0
2014	5,756	237	775	193	5,052	15.9
2015	5,627	193	529	201	5,135	16.0
2016	5,981	201	569	279	5,384	16.7
2017	5,981	279	622	310	5,352	16.4
2018	5,878	310	611	303	5,293	16.2

[1] Totals may not add due to rounding. [2] Shipments to territories now included in consumption.

ERS Markets and Trade Economics Division, Animal Products and Cost of Production Branch, (202) 694–5409.

Table 8-42.—Turkeys: Production and value, United States, 2009–2018

Year	Number raised	Pounds (live weight) produced	Value of production [1]
	1,000 head	*1,000 pounds*	*1,000 dollars*
2009	247,359	7,149,314	3,573,324
2010	244,188	7,108,222	4,372,438
2011	248,500	7,313,205	4,987,608
2012	253,500	7,561,905	5,452,135
2013	240,000	7,277,536	4,839,562
2014	237,500	7,217,006	5,304,501
2015	233,100	7,038,136	5,707,928
2016	244,000	7,486,978	6,184,247
2017	245,200	7,554,397	4,873,677
2018	244,750	7,598,289	3,875,131

NASS, Livestock Branch, (202) 720–3570.

Table 8-43.—Turkeys: Production and value, by State and United States, 2017–2018 [1]

State	2017			2018		
	Number raised	Pounds produced	Value of production	Number raised	Pounds produced	Value of production
	1,000 head	*1,000 pounds*	*1,000 dollars*	*1,000 head*	*1,000 pounds*	*1,000 dollars*
Arkansas	29,500	587,050	379,234	31,500	595,350	303,629
California	11,500	319,700	206,526	11,000	317,900	162,129
Indiana	20,000	792,000	511,632	20,000	768,000	391,680
Iowa	12,000	484,800	313,181	11,900	477,190	243,367
Michigan	5,100	206,040	133,102	5,300	222,070	113,256
Minnesota	42,000	1,058,400	683,726	42,000	1,113,000	567,630
Missouri	18,500	614,200	396,773	19,000	640,300	326,553
North Carolina	32,500	1,144,000	739,024	32,500	1,196,000	609,960
Ohio	6,700	280,730	181,352	6,700	282,070	143,856
Pennsylvania	7,500	204,750	132,269	7,000	195,300	99,603
South Dakota	4,100	176,300	113,890	4,250	179,350	91,469
Utah	5,200	134,160	86,667	(D)	(D)	(D)
Virginia	16,800	458,640	296,281	16,800	462,000	235,620
West Virginia	3,700	111,000	71,706	3,100	96,410	49,169
Other States [2]	30,100	972,621	628,314	33,700	1,053,349	537,210
United States	245,200	7,544,391	4,873,677	244,750	7,598,289	3,875,131

(D) Withheld to avoid disclosing data for individual operations. [1] Based on turkeys placed September 1 through August 31. Excludes young turkeys lost. [2] Includes State estimates not shown and States withheld to avoid disclosing data for individual operations.

NASS, Livestock Branch, (202) 720–3570.

Table 8-44.—Turkeys: Net poults placements, United States, Monthly, 2017–2018 [1]

Month	Total all breeds		Percent of Previous Year
	2017	2018	
	Thousands	*Thousands*	*Percent*
January	23,046	22,642	98
February	22,078	21,340	97
March	23,636	22,793	96
April	22,237	22,335	100
May	22,639	22,168	98
June	23,950	22,597	94
July	23,987	25,652	107
August	24,321	23,362	96
September	20,670	20,512	99
October	22,030	22,377	102
November	21,399	21,108	99
December	20,766	19,915	96
Total	270,759	266,801	99

[1] Includes imports and excludes exports.

NASS, Livestock Branch, (202) 720–3570.

Table 8-45.—Turkeys: Poults hatched by commercial hatcheries, United States by Month, 2017–2018

Month	2017	2018	Percent of Previous Year
	Thousands	*Thousands*	*Percent*
January	25,412	24,406	96
February	23,679	22,654	96
March	25,812	24,180	94
April	23,278	23,482	101
May	24,169	23,503	97
June	25,125	23,337	93
July	24,691	25,730	104
August	24,868	23,888	96
September	23,530	22,443	95
October	24,393	24,295	100
November	24,532	29,089	119
December	22,272	23,176	104
Total	291,761	290,183	99

NASS, Livestock Branch, (202) 720–3570.

Table 8-46.—Eggs: Supply, distribution, and per capita consumption, United States, 2009–2018 [1]

Year	Total egg production	Storage at beginning of the year [1]	Imports [2]	Exports [2]	Storage at end of the year [2]	Eggs used for hatching	Consumption	
							Total [3]	Per capita
	Million dozen							*Number*
2009	7,569	91	20	274	93	955	6,357	248
2010	7,656	93	22	295	98	982	6,396	248
2011	7,715	98	21	305	120	950	6,459	248
2012	7,884	120	19	336	85	941	6,660	254
2013	8,233	85	17	425	63	964	6,884	261
2014	8,509	63	35	414	76	981	7,136	269
2015	8,144	76	132	342	74	996	6,941	259
2016	8,668	74	130	304	142	1010	7,415	275
2017	8,943	142	34	355	88	1035	7,642	282
2018	9,115	88	18	333	79	1058	7,751	284

[1] Calendar years. [2] Shell eggs and the approximate shell-egg equivalent of egg product. [3] Shipments to territories now included in total consumption.

ERS Markets and Trade Economics Division, Animal Products and Cost of Production Branch, (202) 694–5409.

Table 8-47.—Eggs, shell: Average price per dozen on consumer Grade A cartoned white eggs to volume buyers, store-door delivery, New York, 2009–2018

Year	Large
	Cents
2009	102.97
2010	106.29
2011	115.31
2012	117.46
2013	124.69
2014	142.33
2015	181.74
2016	85.70
2017	100.96
2018	137.58

AMS, Livestock, Poultry and Seed Programs, Livestock, Poultry and Grain Market News Division, (515) 284-4460.

Table 8-48.—Total layers and egg production: Annual average number of layers, eggs per layer, and total production, by State and United States, 2017–2018 [1]

State	Average number of layers		Eggs per layer [2]		Total egg production	
	2017	2018	2017	2018	2017	2018
	Thousands	*Thousands*	*Number*	*Number*	*Millions*	*Millions*
Alabama	9,112	9,556	227	223	2,072.3	2,133.3
Arkansas	14,147	14,668	243	241	3,431.0	3,534.7
California	13,202	14,542	285	295	3,759.6	4,294.6
Colorado	4,642	4,866	305	305	1,414.5	1,482.9
Florida	7,587	7,340	276	273	2,095.7	2,005.4
Georgia	19,565	19,607	256	248	5,010.6	4,871.1
Illinois	5,088	6,004	295	294	1,500.4	1,764.1
Indiana	33,553	33,794	294	286	9,869.7	9,658.6
Iowa	55,867	57,614	289	282	16,155.2	16,273.8
Kentucky	5,190	5,690	262	252	1,360.5	1,434.4
Louisiana	1,984	2,004	242	258	480.8	517.5
Maryland	2,852	2,689	295	290	840.1	780.6
Massachusetts	124	142	324	304	40.2	43.1
Michigan	14,272	15,387	296	296	4,225.5	4,548.1
Minnesota	10,462	10,812	294	290	3,070.7	3,131.8
Mississippi	5,587	5,673	249	250	1,392.8	1,418.6
Missouri	10,764	11,937	292	291	3,146.3	3,473.9
Montana	523	900	294	325	153.8	292.5
Nebraska	8,167	7,829	305	305	2,489.1	2,388.8
New York	5,660	5,553	303	298	1,717.8	1,656.5
North Carolina	15,295	14,573	259	254	3,956.2	3,705.4
Ohio	33,773	32,848	289	285	9,754.6	9,364.9
Oklahoma	2,931	3,051	236	228	691.8	697.1
Oregon	2,369	2,382	314	307	744.6	732.4
Pennsylvania	28,232	28,477	295	296	8,337.3	8,423.1
South Carolina	3,922	4,331	272	267	1,068.3	1,156.2
South Dakota	2,701	2,603	290	307	784.3	797.9
Tennessee	1,642	1,798	229	216	376.6	388.8
Texas	21,781	22,563	267	271	5,820.3	6,108.5
Utah	5,153	4,793	294	293	1,512.9	1,403.4
Vermont	158	201	292	307	46.1	61.7
Virginia	2,698	2,676	265	268	716.0	716.7
Washington	6,994	6,959	301	302	2,103.7	2,102.1
West Virginia	1,244	1,284	221	230	274.7	295.9
Wisconsin	6,428	7,271	289	286	1,860.1	2,077.8
Other States [3]	17,506	18,894	284	289	4,967.5	5,455.9
United States	381,175	391,311	281	279	107,241.6	109,192.1

[1] Annual estimates cover the period December 1 previous year through November 30. Totals may not add due to rounding. [2] Total egg production divided by average number of layers on hand. [3] Alaska, Arizona, Connecticut, Delaware, Hawaii, Idaho, Kansas, Maine, New Hampshire, New Jersey, New Mexico, Nevada, North Dakota, Rhode Island, and Wyoming combined to avoid disclosing data for individual operations.

NASS, Livestock Branch, (202) 720–3570.

Table 8-49.—Eggs: Broken under Federal inspection, United States, 2017–2018

Item	Quantity	
	2017	2018
	1,000 dozen	*1,000 dozen*
Shell eggs broken	2,307,023	2,399,762
	1,000 pounds	1,000 pounds
Edible product from shell eggs broken		
Whole	1,837,087	1,911,501
White	771,207	788,037
Yolk	383,655	390,716
Total	2,991,949	3,090,254
Inedible product from shell eggs broken	239,584	260,875

NASS, Livestock Branch, (202) 720–3570.

Table 8-50.—Eggs: Number, rate of lay, production, and value, United States, 2009–2018 [1]

Year	Layers average number	Eggs per layer [2]	Total egg production	Value of production
	Thousands	*Number*	*Millions*	*1,000 dollars*
2009	338,846	268	90,737	6,191,040
2010	341,505	269	91,811	6,553,087
2011	340,598	271	92,450	7,355,873
2012	394,844	274	94,364	7,929,104
2013	358,313	275	98,481	8,745,404
2014	368,193	277	101,816	10,342,687
2015	356,370	276	98,291	13,762,519
2016	369,949	279	103,202	6,591,359
2017	381,175	281	107,242	7,635,001
2018	391,311	279	109,192	10,586,262

[1] Annual estimates cover the period December 1 previous year through November 30. [2] Total egg production divided by average number of layers on hand.
NASS, Livestock Branch, (202) 720–3570.

Table 8-51.—Total Eggs: Production and value by State and United States, 2017–2018 [1]

State	Eggs produced		Value of production	
	2017	2018	2017	2018
	Millions	*Millions*	*1,000 dollars*	*1,000 dollars*
Alabama	2,072.3	2,133.3	349,437	382,196
Arkansas	3,431.0	3,534.7	482,651	527,651
California	3,759.6	4,294.6	267,690	503,663
Colorado	1,414.5	1,482.9	77,227	113,657
Florida	2,095.7	2,005.4	112,225	154,784
Georgia	5,010.6	4,871.1	587,500	656,656
Illinois	1,500.4	1,764.1	87,784	147,870
Indiana	9,869.7	9,658.6	543,793	796,467
Iowa	16,155.2	16,273.8	868,838	1,327,106
Kentucky	1,360.5	1,434.4	122,051	158,458
Louisiana	480.8	517.5	53,102	63,196
Maryland	840.1	780.6	45,389	60,686
Massachusetts	40.2	43.1	2,023	3,194
Michigan	4,225.5	4,548.1	220,431	364,078
Minnesota	3,070.7	3,131.8	171,173	262,646
Mississippi	1,392.8	1,418.6	211,051	230,685
Missouri	3,146.3	3,473.9	207,485	297,684
Montana	153.8	292.5	11,192	33,674
Nebraska	2,489.1	2,388.8	130,912	198,202
New York	1,717.8	1,656.5	90,433	127,359
North Carolina	3,956.2	3,705.4	461,195	509,017
Ohio	9,754.6	9,364.9	524,196	762,538
Oklahoma	691.8	697.1	80,090	92,177
Oregon	744.6	732.4	50,436	85,136
Pennsylvania	8,337.3	8,423.1	482,082	673,940
South Carolina	1,068.3	1,156.2	92,746	118,383
South Dakota	784.3	797.9	40,556	63,795
Tennessee	376.6	388.8	68,552	70,558
Texas	5,820.3	6,108.5	395,521	546,249
Utah	1,512.9	1,403.4	102,395	163,332
Vermont	46.1	61.7	2,787	5,218
Virginia	716.0	716.7	91,300	100,668
Washington	2,103.7	2,102.1	141,321	240,515
West Virginia	274.7	295.9	50,249	54,681
Wisconsin	1,860.1	2,077.8	108,619	176,103
Other States [2]	4,967.5	5,455.9	300,569	514,040
United States	107,241.6	109,192.1	7,635,001	10,586,262

Totals may not add due to rounding. [1] Annual estimates cover the period December 1 previous year through November 30. Includes hatching and market (table) eggs. [2] Alaska, Arizona, Connecticut, Delaware, Hawaii, Idaho, Kansas, Maine, Nevada, New Hampshire, New Jersey, New Mexico, North Dakota, Rhode Island, and Wyoming combined to avoid disclosing individual operations.
NASS, Livestock Branch, (202) 720–3570.

Table 8-52.—Poultry and poultry products: Cold storage holdings, end of month, United States, 2017– 2018

Month	Frozen eggs							
	Whites		Yolks		Whole & mixed		Unclassified	
	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	4,364	4,028	1,025	689	13,170	13,136	18,354	13,188
February	5,200	4,917	1,039	677	13,177	12,782	21,655	13,932
March	5,707	3,155	828	629	13,416	11,341	21,960	13,050
April	4,628	2,479	920	715	12,296	12,596	23,332	11,973
May	3,530	3,296	914	688	13,109	13,000	21,480	13,252
June	4,773	3,207	1,340	1,031	14,034	12,837	21,565	13,630
July	5,244	3,220	1,228	1,095	14,592	13,169	19,129	12,307
August	4,651	2,734	675	799	13,290	14,498	16,550	13,959
September	4,685	2,521	1,200	1,157	13,174	11,231	14,875	14,026
October	4,138	2,308	672	704	12,884	13,721	15,234	13,534
November	4,597	2,503	733	485	11,217	13,974	11,364	12,641
December	4,760	2,688	642	814	11,734	13,869	13,026	12,005

Month	Frozen eggs, total		Frozen chicken					
	2017	2018	Broilers (Whole)		Hens		Breast and breast meat	
			2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	36,913	31,041	17,357	12,841	7,918	4,735	191,811	200,238
February	41,071	32,308	16,274	14,010	6,490	4,305	191,083	201,580
March	41,911	28,175	16,783	15,641	4,926	3,869	178,702	184,218
April	41,176	27,763	21,761	14,436	4,629	3,923	186,900	182,862
May	39,033	30,236	20,662	14,402	6,090	3,808	184,393	186,418
June	41,712	30,705	22,744	15,370	7,846	3,907	182,935	181,547
July	40,193	29,791	22,807	16,379	8,799	6,310	172,907	170,472
August	35,166	31,990	22,154	20,407	8,538	5,270	169,854	173,958
September	33,934	28,935	22,269	21,073	6,567	6,150	170,582	177,388
October	32,928	30,267	20,281	17,073	6,065	4,545	175,209	184,127
November	27,911	29,603	16,350	17,119	4,562	4,223	184,012	186,937
December	30,162	29,376	11,990	17,712	4,613	5,615	188,070	188,311

Month	Frozen chicken							
	Drumsticks		Leg quarters		Legs		Thigh and thigh quarters	
	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	16,621	25,873	109,647	88,635	12,620	15,918	8,473	7,030
February	18,146	26,997	112,677	81,742	17,379	15,490	12,162	8,492
March	16,672	27,613	113,069	86,768	21,830	14,423	9,916	8,853
April	19,942	29,793	116,017	89,943	24,220	13,176	8,502	8,575
May	21,240	31,983	119,333	87,863	23,665	15,390	8,106	9,627
June	20,500	36,304	131,323	85,540	21,861	17,291	8,362	10,214
July	25,124	36,503	125,073	81,554	18,937	15,527	7,186	9,182
August	24,359	37,194	114,455	97,914	17,842	19,163	9,177	12,812
September	22,835	40,085	128,744	104,410	18,386	18,012	9,101	11,892
October	21,869	38,655	120,762	90,698	20,317	16,693	8,225	11,576
November	24,930	38,884	113,777	70,030	18,843	17,217	9,046	13,449
December	31,185	37,552	104,563	61,435	13,220	11,749	10,274	12,572

Month	Frozen chicken							
	Thigh meat		Wings		Paws and feet		Other	
	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	26,635	26,054	71,783	64,627	18,650	28,853	293,562	402,530
February	24,497	26,396	71,523	70,655	15,328	32,100	300,314	418,109
March	21,697	24,368	64,942	68,347	17,795	26,899	298,341	410,474
April	18,937	24,544	61,818	71,639	22,781	25,402	310,387	403,241
May	15,936	23,611	56,609	79,955	21,337	30,233	307,465	391,898
June	15,170	21,872	60,502	81,488	19,136	36,553	315,086	397,898
July	16,597	23,595	60,238	88,979	21,353	33,573	319,099	395,575
August	15,861	21,861	63,417	97,436	20,841	33,837	315,555	406,395
September	17,285	22,721	66,850	104,951	22,784	28,189	332,687	423,132
October	21,082	22,435	70,364	97,318	24,602	27,422	385,432	429,754
November	23,241	25,906	76,187	98,708	26,569	26,216	399,085	430,447
December	26,122	24,145	74,113	86,813	26,665	31,460	396,407	404,262

See end of table.

Table 8-52.—Poultry and poultry products: Cold storage holdings, end of month, United States, 2017–2018—Continued

Month	Total chicken		Frozen turkey					
	2017	2018	Toms		Hens		Total whole	
			2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	775,077	877,334	57,392	84,346	67,075	74,187	124,467	158,533
February	785,873	899,876	71,510	97,875	83,670	90,466	155,180	188,341
March	764,673	871,473	79,721	106,625	101,494	112,223	181,215	218,848
April	795,894	867,534	101,509	125,408	115,587	123,467	217,096	248,875
May	784,836	875,188	130,431	149,736	141,572	134,593	272,003	284,329
June	805,465	887,984	146,273	160,846	161,610	145,418	307,883	306,264
July	798,120	877,649	171,608	181,480	174,669	147,906	346,277	329,386
August	782,053	926,247	175,578	192,601	173,123	155,216	348,701	347,817
September	818,090	958,003	181,048	192,267	151,266	138,460	332,314	330,727
October	874,208	940,296	154,342	150,034	103,223	101,861	257,565	251,895
November	896,602	929,136	61,513	51,307	47,543	41,267	109,056	92,574
December	887,222	881,626	61,288	49,213	48,356	53,181	109,644	102,394

Month	Frozen turkey							
	Breasts		Legs		Mechanically deboned meat		Other	
	2017	2018	2017	2018	2017	2018	2017	2018
	1,000 pounds							
January	73,909	85,313	17,522	11,588	6,252	6,546	32,038	31,208
February	87,836	101,384	16,497	11,069	5,825	6,607	30,166	31,787
March	97,176	100,335	15,289	11,744	6,479	5,983	33,736	32,596
April	105,780	102,215	12,257	11,231	7,290	7,497	32,206	29,018
May	106,663	104,830	12,492	12,325	8,512	7,831	29,679	30,241
June	105,260	99,023	10,463	14,972	8,438	9,466	29,246	33,116
July	103,097	99,010	10,518	14,039	6,428	10,182	27,784	34,366
August	101,706	90,558	10,393	14,710	6,559	9,155	31,039	30,738
September	92,471	79,241	7,311	13,077	6,501	7,857	32,976	29,151
October	71,492	66,522	9,344	11,641	6,189	8,003	33,077	24,755
November	64,000	72,068	11,958	12,465	5,943	7,673	28,675	25,294
December	73,195	77,143	13,076	14,117	6,302	8,118	31,140	30,586

Month	Frozen turkey				Ducks		Total frozen poultry	
	Unclassified		Total turkey		2017	2018	2017	2018
	2017	2018	2017	2018				
	1,000 pounds							
January	85,305	82,000	339,493	375,188	4,492	2,802	1,119,062	1,255,324
February	82,866	88,430	378,370	427,618	5,329	2,697	1,169,572	1,330,191
March	94,857	93,479	428,752	462,985	5,325	3,623	1,198,750	1,338,081
April	96,855	95,008	471,484	493,844	3,872	3,645	1,271,250	1,365,023
May	100,555	96,470	529,904	536,026	3,365	3,850	1,318,105	1,415,064
June	103,833	99,017	565,123	561,858	3,307	3,625	1,373,895	1,453,467
July	101,519	107,944	595,623	594,927	3,903	4,285	1,397,646	1,476,861
August	101,615	113,381	600,013	606,359	3,868	3,974	1,385,934	1,536,580
September	98,390	104,693	569,963	564,746	3,682	3,563	1,391,735	1,526,312
October	83,189	82,243	460,856	445,059	3,651	3,402	1,338,715	1,388,757
November	68,904	64,092	288,536	274,166	2,877	2,949	1,188,015	1,206,251
December	76,268	70,405	309,625	302,763	2,373	2,942	1,199,220	1,187,331

NASS, Livestock Branch, (202) 720–3570.

Table 8-53.—Dairy products: Cold storage holdings, end of month, United States, 2017–2018

Month	Butter		American cheese	
	2017	2018	2017	2018
	1,000 pounds			
January	221,556	226,694	722,449	741,772
February	269,857	265,756	744,640	762,770
March	272,500	273,955	772,702	766,628
April	292,284	307,325	804,645	780,256
May	313,593	338,492	816,266	804,075
June	310,158	336,625	810,234	800,379
July	307,359	318,325	831,538	823,342
August	280,194	290,851	800,994	787,435
September	255,839	282,379	780,466	803,750
October	217,918	231,223	740,404	811,593
November	159,258	154,366	733,378	798,970
December	168,787	179,333	746,846	800,336

Month	Swiss cheese		Other	
	2017	2018	2017	2018
	1,000 pounds			
January	23,930	28,733	445,787	508,132
February	26,999	27,884	454,818	527,077
March	26,053	29,080	463,489	529,020
April	26,962	29,193	471,721	535,831
May	26,242	31,424	466,421	549,441
June	25,495	31,312	480,969	556,947
July	27,009	32,189	510,959	557,449
August	26,831	31,211	505,726	541,843
September	25,408	30,848	502,198	545,105
October	24,277	30,775	503,269	532,781
November	24,933	29,866	500,319	523,903
December	26,367	29,775	507,271	514,683

Month	Total natural cheese	
	2017	2018
	1,000 pounds	
January	1,192,166	1,278,637
February	1,226,457	1,317,731
March	1,262,244	1,324,728
April	1,303,328	1,345,280
May	1,308,929	1,384,940
June	1,316,698	1,388,638
July	1,369,506	1,412,980
August	1,333,551	1,360,489
September	1,308,072	1,379,703
October	1,267,950	1,375,149
November	1,258,630	1,352,739
December	1,280,484	1,344,794

NASS, Livestock Branch, (202) 720–3570.

CHAPTER IX

FARM RESOURCES, INCOME, AND EXPENSES

The statistics in this chapter deal with farms, farm resources, farm income, and expenses. Many of the series are estimates developed in connection with economic research activities of the Department.

Table 9-1.—Economic trends: Data relating to agriculture, United States, 2009–2018

Year	Prices paid by farmers [1]		Prices received by farmers [1]	Farm income [2]		
	Total including interest, taxes, and wage rates (PPITW)	Production items		Gross farm income [3]	Production expenses	Net farm income
	Index numbers 2011=100	*Index numbers 2011=100*	*Index numbers 2011=100*	*Billion dollars*	*Billion dollars*	*Billion dollars*
2009	87.3	84.8	80.6	336.6	274.4	62.2
2010	90.0	87.7	86.8	356.5	279.4	77.1
2011	100.0	100.0	100.0	420.4	306.9	113.6
2012	104.4	105.4	105.0	449.8	353.4	96.4
2013	106.3	107.4	107.0	483.8	360.4	123.4
2014	112.0	114.1	107.9	483.1	391.1	92.0
2015	110.7	112.0	99.2	440.5	359.4	81.1
2016	105.9	104.7	90.6	411.7	350.2	61.5
2017	106.6	104.5	93.3	429.5	354.3	75.2
2018	109.1	106.4	90.9	433.0	369.8	63.1

Year	National income [4]	Personal income [4]	Industrial production [5]	Consumer prices all items [6]	Producer prices consumer foods [6]
	Billion dollars	*Billion dollars*	*Index numbers 2012=100*	*Index numbers 1982–84=100*	*Index numbers 1982=100*
2009	12,027.2	12,059.1	89.2	214.6	175.5
2010	12,735.8	12,551.6	94.1	218.1	182.4
2011	13,357.7	13,326.8	97.1	224.9	193.9
2012	14,094.7	14,010.1	100.0	229.6	199.1
2013	14,494.7	14,181.1	102.0	233.0	203.5
2014	15,245.5	14,991.8	105.2	236.7	212.5
2015	15,783.0	15,719.5	104.1	237.0	209.7
2016	16,058.9	16,125.1	102.1	240.0	204.6
2017	16,756.1	16,830.9	104.4	245.1	207.2
2018	17,529.4	17,569.5	108.6	251.1	207.4

[1] U.S. Department of Agriculture - NASS. [2] U.S. Department of Agriculture - ERS. [3] Includes cash receipts from farm marketings, government payments, nonmoney income (gross rental value of dwelling and value of home consumption), other income (machine hire custom work and recreational income), and value of change in farm inventories. [4] Department of Commerce, Bureau of Economic Analysis. [5] Major Industry groups Federal Reserve Board. [6] U.S. Department of Labor, Bureau of Labor Statistics.

ERS, Farm Economy Branch, (202) 694–5216. E-mail contact is Dipak Subedi at dipak.subedi@ers.usda.gov.

Table 9-2.—Farms: Number, land in farms, and average size of farm, United States, 2009–2018

Year	Farms [1]	Land in farms	Average size farm
	Number	*1,000 acres*	*Acres*
2009	2,169,660	917,590	423
2010	2,149,520	915,660	426
2011	2,131,240	914,420	429
2012	2,109,810	914,600	433
2013	2,100,350	911,720	434
2014	2,082,440	908,920	436
2015	2,063,890	905,790	439
2016	2,055,340	902,680	439
2017	2,042,000	900,370	441
2018	2,029,200	899,500	443

[1] A farm is any establishment from which $1,000 or more of agricultural products were produced and sold or normally would have been sold during the year.

NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 9-3.—Farms: Percent of farms and land in farms, and average size, by economic sales class, United States, 2017–2018

Economic sales class	Percent of total				Average size farm	
	Farms		Land in farms		2017	2018
	2017	2018	2017	2018		
	Percent	*Percent*	*Percent*	*Percent*	*Acres*	*Acres*
$ 1,000 - $ 9,999	51.1	51.0	9.4	9.4	81	81
$ 10,000 - $ 99,999	30.4	30.5	20.7	20.8	301	302
$100,000 - $249,999	6.7	6.7	14.7	14.8	971	987
$250,000 - $499,999	4.4	4.4	14.4	14.3	1,448	1,450
$500,000 - $999,999	3.5	3.6	15.4	15.4	1,930	1,925
$1,000,000 or more	3.9	3.9	25.3	25.3	2,866	2,897
Total [1]	100.0	100.1	99.9	100.00	441	443

[1] May not add due to rounding.
NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 9-4.—Land in farms: Classification by tenure of operator, United States, 1935–2012

Year	Land in farms	Tenure of operator			
		Full owners	Part owners	Managers	All tenants
	Acres	*Percent*	*Percent*	*Percent*	*Percent*
1935 [1]	1,054,515,111	37.1	25.2	5.8	31.9
1940	1,065,113,774	35.9	28.2	6.5	29.4
1945 [1]	1,141,615,364	36.1	32.5	9.3	22.0
1950	1,161,419,720	36.1	36.4	9.2	18.3
1954 [1]	1,158,191,511	34.2	40.7	8.6	16.5
1959	1,123,507,574	31.0	44.0	9.8	14.8
1964	1,110,187,000	28.7	48.0	10.2	13.1
1969	1,062,892,501	35.3	51.8	.....	13.0
1974	1,017,030,357	35.3	52.6	.....	12.0
1978	1,014,777,234	32.7	55.3	.....	12.0
1982	986,796,579	34.7	53.8	.....	11.5
1987	964,470,625	32.9	53.9	.....	13.2
1992	945,531,506	31.3	55.7	.....	13.0
1997	931,795,255	33.9	54.5	.....	11.6
2002 [2]	938,279,056	38.0	52.8	.....	9.2
2007 [2]	922,095,843	37.3	53.8	.....	8.9
2012 [2]	914,527,657	36.8	53.7	.....	9.5

[1] Excludes Alaska and Hawaii. [2] The 2002 Census of Agriculture introduced new methodology to account for all farms in the United States. All 2002 published census items were reweighted for undercoverage. Strictly speaking, data for 2002 and subsequent years are not fully comparable with data from earlier years.
ERS, Resource and Rural Economics Division, (202) 694–5572. Data from the Census of Agriculture, National Agricultural Statistics Service.

Table 9-5.—Number of farms and land in farms by economic sales class by State and United States, 2017–2018

State	Economic Sales Class: $1,000-$9,999			
	Number of Farms		Land in Farms	
	2017	2018	2017	2018
	Number	*Number*	*1,000 Acres*	*1,000 Acres*
Alabama	22,800	22,600	2,200	2,100
Alaska	540	540	80	80
Arizona	14,100	14,300	4,700	4,800
Arkansas	20,900	20,700	1,900	1,800
California	27,200	26,400	1,300	1,400
Colorado	22,300	21,900	2,300	2,100
Connecticut	3,650	3,650	130	130
Delaware	820	820	20	20
Florida	29,200	29,000	1,400	1,300
Georgia	23,600	23,300	2,200	2,300
Hawaii	4,250	4,250	70	70
Idaho	13,700	13,500	700	700
Illinois	28,100	27,900	1,200	1,200
Indiana	26,400	25,800	1,000	900
Iowa	25,400	25,400	900	900
Kansas	21,800	21,800	1,900	2,000
Kentucky	45,100	44,300	3,100	3,100
Louisiana	15,400	15,300	1,100	1,100
Maine	4,800	4,800	390	390
Maryland	6,700	6,700	260	260
Massachusetts	4,500	4,500	180	190
Michigan	24,500	24,000	1,200	1,200
Minnesota	25,600	25,400	1,600	1,600
Mississippi	20,000	19,700	2,300	2,300
Missouri	44,500	44,400	3,300	3,300
Montana	11,700	11,600	2,000	1,900
Nebraska	12,000	11,500	900	800
Nevada	1,700	1,700	500	500
New Hampshire	2,750	2,750	170	170
New Jersey	6,400	6,400	160	160
New Mexico	17,100	16,800	5,400	5,100
New York	15,400	15,400	1,100	1,100
North Carolina	26,100	26,100	1,500	1,500
North Dakota	7,400	7,200	1,100	1,100
Ohio	40,100	40,400	1,700	1,600
Oklahoma	40,400	39,800	4,100	4,100
Oregon	23,800	23,400	1,000	1,000
Pennsylvania	25,000	25,000	1,300	1,300
Rhode Island	630	630	20	20
South Carolina	16,700	16,500	1,500	1,600
South Dakota	7,500	7,200	900	900
Tennessee	43,800	43,800	2,800	2,700
Texas	157,000	156,500	15,600	15,600
Utah	11,200	11,000	600	600
Vermont	3,750	3,750	280	280
Virginia	24,700	24,100	1,700	1,700
Washington	21,800	21,800	800	800
West Virginia	17,000	17,000	1,600	1,600
Wisconsin	28,700	28,800	1,800	1,800
Wyoming	5,600	5,600	1,100	1,200
United States	1,044,090	1,035,690	85,060	84,370

See footnote(s) at end of table.

Table 9-5.—Number of farms and land in farms by economic sales class by State and United States, 2017–2018—Continued

State	Economic Sales Class: $10,000-$99,999			
	Number of Farms		Land in Farms	
	2017	2018	2017	2018
	Number	*Number*	*1,000 Acres*	*1,000 Acres*
Alabama	13,300	12,500	3,200	3,200
Alaska	360	360	450	450
Arizona	3,650	3,550	5,100	5,300
Arkansas	14,500	14,700	3,700	3,700
California	22,800	22,500	4,300	4,000
Colorado	10,900	11,200	7,200	7,100
Connecticut	1,400	1,400	100	100
Delaware	(D)	510	(D)	50
Florida	13,400	13,500	2,000	2,100
Georgia	12,000	11,500	2,700	2,700
Hawaii	2,500	2,500	200	200
Idaho	6,500	6,500	1,800	1,800
Illinois	20,400	20,200	2,600	2,600
Indiana	16,200	16,600	1,800	1,800
Iowa	26,300	26,200	3,700	3,700
Kansas	21,100	21,300	7,000	7,100
Kentucky	24,200	24,200	4,400	4,400
Louisiana	8,700	8,800	1,900	1,900
Maine	2,050	2,050	350	350
Maryland	3,300	3,300	390	390
Massachusetts	1,950	1,950	160	160
Michigan	14,200	14,400	1,700	1,700
Minnesota	20,400	20,400	3,600	3,600
Mississippi	10,700	10,700	3,000	3,000
Missouri	37,100	37,200	8,600	8,600
Montana	7,900	8,000	10,100	10,400
Nebraska	14,200	14,500	4,900	5,000
Nevada	970	970	500	500
New Hampshire	1,100	1,100	170	170
New Jersey	2,350	2,350	160	170
New Mexico	6,000	6,100	10,100	10,400
New York	11,300	11,400	1,800	1,800
North Carolina	12,500	12,700	1,700	1,800
North Dakota	7,400	7,400	3,800	4,000
Ohio	23,500	23,000	2,800	2,700
Oklahoma	29,400	29,000	11,400	11,400
Oregon	9,000	9,000	3,000	3,000
Pennsylvania	16,700	16,700	2,200	2,200
Rhode Island	(D)	340	(D)	20
South Carolina	5,900	5,900	1,300	1,300
South Dakota	9,300	9,300	4,600	4,600
Tennessee	21,700	21,700	3,800	3,900
Texas	73,800	72,800	39,100	38,300
Utah	5,200	5,100	1,900	1,900
Vermont	1,950	1,950	310	310
Virginia	14,000	14,000	2,800	2,800
Washington	8,200	8,300	1,800	1,800
West Virginia	5,800	5,600	1,500	1,400
Wisconsin	20,100	20,100	2,900	2,900
Wyoming	3,600	3,700	4,000	4,000
Other States [1]	850	-	70	-
United States	620,630	619,030	186,660	186,770

See footnote(s) at end of table.

Table 9-5.—Number of farms and land in farms by economic sales class by State and United States, 2017–2018—Continued

State	Economic Sales Class: $100,000-$249,999			
	Number of Farms		Land in Farms	
	2017	2018	2017	2018
	Number	*Number*	*1,000 Acres*	*1,000 Acres*
Alabama	1,000	1,050	710	750
Alaska	40	40	210	210
Arizona	490	530	10,400	10,300
Arkansas	1,350	1,350	900	950
California	6,700	6,450	3,400	3,200
Colorado	2,500	2,550	5,800	5,900
Connecticut	(D)	190	(D)	30
Delaware	(D)	130	(D)	40
Florida	1,950	1,900	1,200	1,200
Georgia	1,400	1,450	700	690
Hawaii	270	270	130	130
Idaho	1,700	1,700	1,700	1,700
Illinois	8,200	8,000	2,800	2,700
Indiana	5,100	5,000	1,600	1,700
Iowa	11,100	11,100	3,600	3,600
Kansas	6,200	6,300	6,500	6,600
Kentucky	3,000	2,900	1,300	1,200
Louisiana	930	950	780	790
Maine	320	320	100	100
Maryland	720	720	210	210
Massachusetts	340	340	40	40
Michigan	3,350	3,150	1,100	1,200
Minnesota	7,700	7,700	2,900	2,900
Mississippi	930	920	610	610
Missouri	6,000	5,800	3,600	3,500
Montana	3,050	3,100	10,300	10,200
Nebraska	6,600	6,400	5,700	5,700
Nevada	220	220	900	900
New Hampshire	(D)	(D)	(D)	(D)
New Jersey	450	450	100	110
New Mexico	850	820	6,600	6,300
New York	3,050	3,000	880	880
North Carolina	1,650	1,650	600	600
North Dakota	3,200	3,100	4,700	4,700
Ohio	6,100	6,400	2,000	2,200
Oklahoma	4,350	4,250	6,300	6,300
Oregon	1,850	1,850	2,600	2,600
Pennsylvania	5,100	5,100	1,100	1,100
Rhode Island	(D)	(D)	(D)	(D)
South Carolina	620	630	320	320
South Dakota	4,450	4,450	6,700	6,800
Tennessee	1,800	1,800	850	850
Texas	7,500	7,500	19,200	20,200
Utah	910	900	1,200	1,300
Vermont	470	470	140	140
Virginia	1,750	1,750	950	950
Washington	1,900	1,800	3,200	3,100
West Virginia	370	370	270	270
Wisconsin	7,000	6,900	2,100	2,100
Wyoming	1,300	1,200	5,300	5,400
Other States [1]	510	190	110	40
United States	136,340	135,110	132,410	133,310

See footnote(s) at end of table.

Table 9-5.—Number of farms and land in farms by economic sales class by State and United States, 2017–2018—Continued

State	Economic Sales Class: $250,000-$499,999			
	Number of Farms		Land in Farms	
	2017	2018	2017	2018
	Number	*Number*	*1,000 Acres*	*1,000 Acres*
Alabama	650	650	590	560
Alaska	(D)	(D)	(D)	(D)
Arizona	230	210	1,600	1,700
Arkansas	1,050	1,050	700	750
California	4,100	3,900	2,500	2,300
Colorado	1,400	1,450	5,500	5,700
Connecticut	(D)	110	(D)	20
Delaware	(D)	110	(D)	50
Florida	1,050	1,000	850	850
Georgia	1,050	1,050	600	610
Hawaii	120	120	170	170
Idaho	1,200	1,200	1,500	1,500
Illinois	6,400	6,200	4,100	4,000
Indiana	3,450	3,350	2,000	2,000
Iowa	8,900	8,900	5,500	5,500
Kansas	3,950	4,050	7,700	7,600
Kentucky	1,400	1,450	900	900
Louisiana	560	540	620	610
Maine	180	180	100	100
Maryland	490	490	230	230
Massachusetts	(D)	(D)	(D)	(D)
Michigan	2,200	2,200	1,300	1,200
Minnesota	5,800	5,800	3,800	3,900
Mississippi	590	600	590	590
Missouri	2,900	2,950	2,800	2,900
Montana	2,300	2,300	13,300	13,400
Nebraska	5,100	5,000	8,200	7,800
Nevada	240	240	1,000	1,000
New Hampshire	(D)	70	(D)	30
New Jersey	280	280	80	80
New Mexico	420	390	6,600	6,400
New York	1,750	1,750	780	780
North Carolina	1,250	1,250	700	700
North Dakota	3,000	3,000	6,600	6,500
Ohio	3,600	3,300	2,000	1,900
Oklahoma	2,050	2,050	4,600	4,600
Oregon	1,150	1,150	2,900	2,900
Pennsylvania	3,250	3,150	980	980
Rhode Island	(D)	(D)	(D)	(D)
South Carolina	340	280	270	270
South Dakota	3,700	3,700	8,700	8,700
Tennessee	1,000	1,000	660	660
Texas	3,550	3,650	15,200	14,700
Utah	510	520	2,100	2,000
Vermont	320	320	130	130
Virginia	960	910	680	680
Washington	1,300	1,250	2,000	2,100
West Virginia	130	130	120	120
Wisconsin	4,300	4,300	2,000	2,000
Wyoming	800	810	6,100	6,200
Other States [1]	540	250	230	130
United States	89,510	88,610	129,580	128,500

See footnote(s) at end of table.

Table 9-5.—Number of farms and land in farms by economic sales class by State and United States, 2017–2018—Continued

State	Economic Sales Class: $500,000-$999,999			
	Number of Farms		Land in Farms	
	2017	2018	2017	2018
	Number	*Number*	*1,000 Acres*	*1,000 Acres*
Alabama	1,150	1,200	700	690
Alaska	(D)	30	(D)	20
Arizona	210	200	1,100	1,000
Arkansas	1,350	1,350	1,200	1,200
California	3,300	3,550	2,500	2,200
Colorado	920	900	4,600	4,500
Connecticut	(D)	70	(D)	20
Delaware	260	260	110	110
Florida	800	900	650	650
Georgia	1,800	1,800	1,400	1,400
Hawaii	70	70	210	210
Idaho	800	800	1,800	1,800
Illinois	5,200	5,300	5,900	6,100
Indiana	2,650	2,450	2,800	2,800
Iowa	8,000	8,000	7,800	7,800
Kansas	2,950	3,000	9,300	9,200
Kentucky	1,000	1,000	900	900
Louisiana	710	710	1,100	1,050
Maine	110	110	70	70
Maryland	520	520	330	330
Massachusetts	(D)	140	(D)	30
Michigan	1,650	1,550	1,500	1,500
Minnesota	4,800	4,800	5,100	5,100
Mississippi	880	880	900	900
Missouri	2,400	2,400	3,700	3,700
Montana	1,400	1,300	12,200	12,200
Nebraska	4,300	4,400	9,400	9,400
Nevada	140	140	700	700
New Hampshire	(D)	30	(D)	10
New Jersey	200	200	90	90
New Mexico	290	260	5,900	6,300
New York	930	930	640	640
North Carolina	1,450	1,450	900	900
North Dakota	2,800	2,800	9,100	9,100
Ohio	2,450	2,550	2,300	2,300
Oklahoma	1,250	1,150	3,700	3,600
Oregon	850	850	2,800	2,800
Pennsylvania	1,700	1,700	750	750
Rhode Island	(D)	20	(D)	10
South Carolina	360	410	400	400
South Dakota	2,700	2,700	8,900	8,900
Tennessee	830	830	890	890
Texas	3,000	3,000	14,300	14,500
Utah	310	310	1,000	1,000
Vermont	140	140	80	80
Virginia	880	830	670	670
Washington	1,100	1,100	2,300	2,300
West Virginia	150	150	100	100
Wisconsin	2,550	2,550	1,900	1,900
Wyoming	400	390	6,200	6,100
Other States [1]	290	-	90	-
United States	72,000	72,180	138,980	138,920

See footnote(s) at end of table.

Table 9-5.—Number of farms and land in farms by economic sales class by State and United States, 2017–2018—Continued

State	Economic Sales Class: $1,000,000 or more			
	Number of Farms		Land in Farms	
	2017	2018	2017	2018
	Number	*Number*	*1,000 Acres*	*1,000 Acres*
Alabama	1,700	1,700	1,200	1,200
Alaska	(D)	(D)	(D)	(D)
Arizona	420	410	3,200	3,100
Arkansas	3,450	3,350	5,500	5,500
California	6,400	6,600	10,500	11,200
Colorado	880	900	6,400	6,500
Connecticut	80	80	80	80
Delaware	470	470	260	260
Florida	1,200	1,200	3,600	3,600
Georgia	2,550	2,500	2,400	2,400
Hawaii	90	90	320	320
Idaho	1,100	1,100	4,200	4,100
Illinois	4,400	4,400	10,400	10,400
Indiana	2,800	2,900	5,800	5,800
Iowa	6,400	6,400	9,100	9,100
Kansas	2,600	2,450	13,400	13,300
Kentucky	1,300	1,250	2,400	2,400
Louisiana	1,100	1,100	2,500	2,550
Maine	140	140	290	290
Maryland	670	670	580	580
Massachusetts	70	(D)	40	(D)
Michigan	1,700	1,700	3,000	3,000
Minnesota	4,500	4,400	8,500	8,400
Mississippi	1,900	1,900	3,000	3,000
Missouri	2,400	2,250	5,800	5,700
Montana	650	600	10,200	9,900
Nebraska	4,100	4,100	15,900	16,300
Nevada	130	130	2,500	2,500
New Hampshire	(D)	(D)	(D)	(D)
New Jersey	220	220	140	140
New Mexico	340	330	6,100	6,000
New York	970	920	1,700	1,700
North Carolina	3,450	3,250	3,000	2,900
North Dakota	2,600	2,600	14,000	13,900
Ohio	2,050	2,150	3,200	3,200
Oklahoma	1,050	1,050	4,100	4,200
Oregon	950	950	3,700	3,700
Pennsylvania	1,450	1,350	970	970
Rhode Island	(D)	(D)	(D)	(D)
South Carolina	880	880	910	910
South Dakota	2,350	2,250	13,400	13,300
Tennessee	870	870	1,900	1,900
Texas	3,650	3,550	23,600	23,700
Utah	270	270	4,000	3,900
Vermont	170	170	260	260
Virginia	910	910	1,000	1,000
Washington	1,500	1,450	4,600	4,600
West Virginia	150	150	110	110
Wisconsin	2,150	2,150	3,600	3,600
Wyoming	200	200	6,300	6,100
Other States [1]	50	120	20	60
United States	79,430	78,580	227,680	227,630

(D) Withheld to avoid disclosing data for individual operations. [1] Includes data withheld above.
NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 9-6.—Number of farms and land in farms by State and United States, 2017–2018

State	Number of Farms [1]		Land in farms		Average farm size	
	2017	2018	2017	2018	2017	2018
	Number	*Number*	*1,000 acres*	*1,000 acres*	*Acres*	*Acres*
Alabama	40,600	39,700	8,600	8,500	212	214
Alaska	1,000	1,000	850	850	850	850
Arizona	19,100	19,200	26,100	26,200	1,366	1,365
Arkansas	42,600	42,500	13,900	13,900	326	327
California	70,500	69,400	24,500	24,300	348	350
Colorado	38,900	38,900	31,800	31,800	817	817
Connecticut	5,500	5,500	380	380	69	69
Delaware	2,300	2,300	530	530	230	230
Florida	47,600	47,500	9,700	9,700	204	204
Georgia	42,400	41,600	10,000	10,100	236	243
Hawaii	7,300	7,300	1,100	1,100	151	151
Idaho	25,000	24,800	11,700	11,600	468	468
Illinois	72,700	72,000	27,000	27,000	371	375
Indiana	56,600	56,100	15,000	15,000	265	267
Iowa	86,100	86,000	30,600	30,600	355	356
Kansas	58,600	58,900	45,800	45,800	782	778
Kentucky	76,000	75,100	13,000	12,900	171	172
Louisiana	27,400	27,400	8,000	8,000	292	292
Maine	7,600	7,600	1,300	1,300	171	171
Maryland	12,400	12,400	2,000	2,000	161	161
Massachusetts	7,200	7,200	490	500	68	69
Michigan	47,600	47,000	9,800	9,800	206	209
Minnesota	68,800	68,500	25,500	25,500	371	372
Mississippi	35,000	34,700	10,400	10,400	297	300
Missouri	95,300	95,000	27,800	27,700	292	292
Montana	27,000	26,900	58,100	58,000	2,152	2,156
Nebraska	46,300	45,900	45,000	45,000	972	980
Nevada	3,400	3,400	6,100	6,100	1,794	1,794
New Hampshire	4,100	4,100	430	430	105	105
New Jersey	9,900	9,900	730	750	74	76
New Mexico	25,000	24,700	40,700	40,500	1,628	1,640
New York	33,400	33,400	6,900	6,900	207	207
North Carolina	46,400	46,400	8,400	8,400	181	181
North Dakota	26,400	26,100	39,300	39,300	1,489	1,506
Ohio	77,800	77,800	14,000	13,900	180	179
Oklahoma	78,500	77,300	34,200	34,200	436	442
Oregon	37,600	37,200	16,000	16,000	426	430
Pennsylvania	53,200	53,000	7,300	7,300	137	138
Rhode Island	1,100	1,100	60	60	55	55
South Carolina	24,800	24,600	4,700	4,800	190	195
South Dakota	30,000	29,600	43,200	43,200	1,440	1,459
Tennessee	70,000	70,000	10,900	10,900	156	156
Texas	248,500	247,000	127,000	127,000	511	514
Utah	18,400	18,100	10,800	10,700	587	591
Vermont	6,800	6,800	1,200	1,200	176	176
Virginia	43,200	42,500	7,800	7,800	181	184
Washington	35,800	35,700	14,700	14,700	411	412
West Virginia	23,600	23,400	3,700	3,600	157	154
Wisconsin	64,800	64,800	14,300	14,300	221	221
Wyoming	11,900	11,900	29,000	29,000	2,437	2,437
United States	2,042,000	2,029,200	900,370	899,500	441	443

[1] A farm is any establishment from which $1,000 or more of agricultural products were produced and sold or would normally have been sold during the year.

NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 9-7.—Farms: Classification by tenure of operator, United States, 1940–2017

Year	Farms	Tenure of operator			
		Full owners	Part owners	Managers	All tenants
	Number	*Percent*	*Percent*	*Percent*	*Percent*
1940	6,102,417	50.6	10.1	0.6	38.8
1945[1]	5,859,169	56.4	11.3	0.7	31.7
1950	5,388,437	57.4	15.3	0.4	26.9
1954[1]	4,783,021	57.4	18.2	0.4	24.0
1959	3,710,503	57.1	21.9	0.6	20.5
1964	3,157,857	57.6	24.8	0.6	17.1
1969	2,730,250	62.5	24.6	.....	12.9
1974	2,314,013	61.5	27.2	.....	11.3
1978	2,257,775	57.5	30.2	.....	12.3
1982	2,240,976	59.2	29.3	.....	11.6
1987	2,087,759	59.3	29.2	.....	11.5
1992	1,925,300	57.7	31.0	.....	11.3
1997	1,911,859	60.0	30.0	.....	10.0
2002[2]	2,128,982	67.1	25.9	.....	7.0
2007[2]	2,204,792	69.0	24.6	.....	6.4
2012[2]	2,109,303	67.7	25.3	.....	7.0
2017	2,042,220	69.0	24.1	.....	6.9

[1] Excludes Alaska and Hawaii. [2] The 2002 Census of Agriculture introduced new methodology to account for all farms in the United States. All 2002 published census items were reweighted for undercoverage. Strictly speaking, data for 2002 and subsequent years are not fully comparable with data from earlier years.

ERS, Resource and Rural Economics Division, (202) 694–5572. Data from the Census of Agriculture, National Agricultural Statistics Service.

Table 9-8.—Farmland Rented: Classification by tenants and part owners, United States, 1910–2012

Year	Land in farms	Land rented by tenure of operator[1]			Percentage of land rented
		Tenants	Part owners	Total	
	Million acres	*Million acres*	*Million acres*	*Million acres*	*Percent*
1920	958.7	[3] 265.0	[4] 54.7	319.7	33.3
1925	924.3	264.9	96.3	361.2	39.1
1930	990.1	307.3	125.2	432.5	43.7
1935	1,054.5	336.8	134.3	471.1	44.7
1940	1,065.1	313.2	155.9	469.1	44.0
1945	1,141.6	251.6	178.9	430.5	37.7
1950	1,161.4	212.2	196.2	408.4	35.2
1954	1,158.2	192.6	212.3	404.9	35.0
1959	1,123.0	166.8	234.1	400.9	35.7
1964	1,110.2	144.9	248.1	[5] 393.0	35.4
1969	1,063.3	137.6	241.8	379.4	35.7
1974	1,017.0	122.3	258.4	380.7	37.4
1978	1,029.7	124.1	282.2	406.2	39.4
1982	986.2	113.6	269.9	383.5	38.9
1987	964.5	126.9	275.4	402.3	41.7
1992	945.5	122.7	282.2	404.9	42.8
1997	931.8	108.1	270.0	378.1	40.6
2002[6]	938.3	86.5	266.8	353.3	37.7
2007[6]	922.1	81.8	269.0	350.8	38.0
2012[6]	914.5	82.9	268.1	351.0	38.4
2017	.....	.....	.....	.....	.....

[1] Columns 3, 4, and 5 refer only to land rented from others and operated, so subleased land is not included. Acres of land rented are comparable in the same year, but definitions change over time. Basic sources are 1969 Census of Agriculture, table 5, p.14; 1974 Census of Agriculture, table 3, pp.1-6; 1978 Census of Agriculture, vol. 1, part 51, table 5, pp. 124-127; 1982 Census of Agriculture, vol. 1, part 51, table 48, p. 49; 1987 Census of Agriculture vol. 1 part 51, table 48, p. 49; 1992 Census of Agriculture vol. 1, part 51, table 46, p. 53; 1997 Census of Agriculture, vol. 1, part 51, chapter 1, table 46, p. 57; 2002 Census of Agriculture, vol. 1, part 51, chapter 1, table 61, p. 214; 2007 Census of Agriculture, vol. 1, part 51, chapter 1, table 65, p. 262; 2012 Census of Agriculture, vol. 1, part 51, table 70, p. 231; and earlier census volumes as noted. [2] Assumes land leased by part-owners is the difference between the average size of full-owner and part-owner farms. Acreage leased by part-owners is this difference times the number of part-owners. 1910 Census of Agriculture, chapter 11, table 1 and 3, pp.97-99. [3] 1920 Census of Agriculture, vol. VI, part 1, table 5, p. 19. [4] Assumes same proportion of owner and part-owner as in 1910. [5] 1964 Census of Agriculture, vol. II, chapter 8, p.757. [6] The 2002 Census of Agriculture introduced new methodology to account for all farms in the United States. All 2002 published census items were reweighted for undercoverage. Strictly speaking, data for 2002 and subsequent years are not fully comparable with data from earlier years.

ERS, Resource and Rural Economics Division, (202) 694–5572. Data from the Census of Agriculture, National Agricultural Statistics Service.

Table 9-9.—Land: Utilization, by State and United States, 2012

State	Cropland			Grassland pasture	Forest land
	Used for crops	Idle	Used only for pasture		
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*
Alabama	2,231	415	161	2,892	22,800
Alaska	31	45	4	696	91,817
Arizona	908	142	84	43,580	13,000
Arkansas	7,466	585	184	4,127	18,544
California	8,316	780	481	26,667	16,991
Colorado	8,013	2,218	437	31,734	15,138
Connecticut	104	9	9	22	1,346
Delaware	420	11	7	18	331
Florida	2,122	452	260	5,100	15,827
Georgia	3,799	457	129	1,680	24,352
Hawaii	161	189	22	770	1,299
Idaho	4,790	789	221	18,391	16,771
Illinois	22,672	1,175	88	1,728	4,772
Indiana	12,216	414	80	1,656	4,748
Iowa	24,750	1,738	225	2,879	2,968
Kansas	25,545	2,598	449	17,781	2,402
Kentucky	5,400	641	328	4,742	11,886
Louisiana	3,497	869	218	2,275	14,645
Maine	328	55	8	159	17,191
Maryland	1,254	108	15	447	2,329
Massachusetts	130	14	5	79	2,088
Michigan	7,192	483	91	1,982	19,262
Minnesota	20,394	1,887	171	3,568	15,929
Mississippi	4,372	638	163	2,715	19,495
Missouri	13,455	1,591	580	9,792	15,085
Montana	12,522	3,181	902	47,629	18,429
Nebraska	20,442	1,090	326	23,677	1,470
Nevada	478	42	57	52,329	5,417
New Hampshire	73	18	2	116	4,341
New Jersey	403	29	16	78	1,116
New Mexico	1,183	534	231	54,344	13,278
New York	3,816	318	113	2,397	15,920
North Carolina	4,085	294	95	1,579	18,078
North Dakota	24,081	2,718	322	13,336	517
Ohio	10,190	530	109	2,144	7,864
Oklahoma	9,155	1,123	1,011	19,756	7,656
Oregon	3,522	834	308	23,863	24,116
Pennsylvania	3,952	446	119	1,287	16,242
Rhode Island	19	4	2	7	290
South Carolina	1,540	308	55	976	13,025
South Dakota	17,624	1,203	528	24,972	1,789
Tennessee	4,479	374	408	3,424	13,500
Texas	21,598	4,773	2,844	104,603	14,357
Utah	1,090	246	140	32,774	9,810
Vermont	379	19	15	305	4,476
Virginia	2,636	205	148	2,794	15,385
Washington	5,558	1,856	125	7,314	18,081
West Virginia	685	42	54	1,351	11,780
Wisconsin	9,301	607	164	2,864	16,727
Wyoming	1,523	207	256	46,086	7,002
United States[1]	339,900	39,306	12,769	655,486	631,682

[1] Distributions may not sum to totals due to rounding.

ERS, Resource and Rural Economics Division, (202) 694–5340. See notes to Table 9-11 for definitions and data sources. Estimates developed for years coinciding with a Census of Agriculture.

Table 9-10.—Land in farms: Irrigated land, by State and United States, 1982–2012 [1]

State	1982	1987	1992	1997	2002	2007	2012
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*
Alabama	66	84	82	80	109	113	113
Alaska	1	2	2	3	3	4	2
Arizona	1,098	914	956	1,075	932	876	881
Arkansas	2,022	2,406	2,702	3,785	4,150	4,461	4,804
California	8,461	7,596	7,571	8,887	8,709	8,016	7,862
Colorado	3,201	3,014	3,170	3,374	2,591	2,868	2,517
Connecticut	7	7	6	8	10	10	9
Delaware	44	61	62	75	97	105	127
Florida	1,585	1,623	1,783	1,874	1,815	1,552	1,493
Georgia	575	640	725	773	871	1,018	1,125
Hawaii	146	149	134	77	69	59	82
Idaho	3,450	3,219	3,260	3,544	3,289	3,300	3,365
Illinois	166	208	328	352	391	474	522
Indiana	132	170	241	256	313	397	437
Iowa	91	92	116	133	142	190	172
Kansas	2,675	2,463	2,680	2,696	2,678	2,763	2,881
Kentucky	23	38	28	60	37	59	74
Louisiana	694	647	898	961	939	954	1,093
Maine	6	6	10	22	20	21	31
Maryland	39	51	57	69	81	93	105
Massachusetts	17	20	20	27	24	23	23
Michigan	286	315	366	407	456	500	592
Minnesota	315	354	370	403	455	506	524
Mississippi	431	637	883	1,110	1,176	1,369	1,652
Missouri	403	535	709	921	1,033	1,200	1,181
Montana	2,023	1,997	1,978	2,102	1,976	2,013	1,903
Nebraska	6,039	5,682	6,312	7,066	7,625	8,559	8,297
Nevada	830	779	556	764	747	691	688
New Hampshire	1	3	2	3	2	2	3
New Jersey	83	91	80	94	97	95	88
New Mexico	807	718	738	852	845	830	680
New York	52	51	47	74	75	68	60
North Carolina	81	138	113	156	264	232	175
North Dakota	163	168	187	183	203	236	218
Ohio	28	32	29	35	41	38	47
Oklahoma	492	478	512	509	518	535	480
Oregon	1,808	1,648	1,622	1,963	1,908	1,845	1,630
Pennsylvania	18	30	23	40	43	38	39
Rhode Island	2	4	3	3	4	4	4
South Carolina	81	81	76	89	96	132	159
South Dakota	376	362	371	367	401	374	379
Tennessee	18	38	37	47	61	81	146
Texas	5,576	4,271	4,912	5,764	5,075	5,010	4,489
Utah	1,082	1,161	1,143	1,218	1,091	1,134	1,104
Vermont	1	2	2	3	2	2	4
Virginia	43	79	62	86	99	82	69
Washington	1,638	1,519	1,641	1,787	1,823	1,736	1,634
West Virginia	1	3	3	4	2	2	2
Wisconsin	259	285	331	358	386	377	422
Wyoming	1,565	1,518	1,465	1,750	1,542	1,551	1,436
United States	49,003	46,386	49,404	56,289	55,316	56,599	55,822
Puerto Rico	42	36	46	35	43	40	52
Virgin Islands	(3)	(3)	(3)	(3)	(2)	(2)	(3)
Total	49,002	46,386	49,404	55,058	55,360	56,639	55,874

[1] Distributions may not sum to totals due to rounding. [2] Less than 500 acres. [3] Not available.

Note: Data from the Census of Agriculture, U.S. Department of Commerce. Beginning in 1997 Census of Agriculture, U.S. Department of Agriculture. Estimates developed for years coinciding with a Census of Agriculture.

ERS, Resource and Rural Economics Division, (202) 694–5340.

Table 9-11.—Land utilization, United States, selected years, 1987–2012

Major land uses	1987	1992	1997	2002	2007	2012
	Million acres	*Million acres*	*Million acres*	*Million acres*	*Million acres*	*Million acres*
Cropland used for crops [1]	331	338	349	340	335	340
Idle cropland	68	56	39	40	37	39
Cropland used for pasture [2]	65	67	68	62	36	13
Grassland pasture [3]	591	591	580	587	614	655
Forest land [4]	648	648	641	651	671	632
Special uses [5]	279	281	286	297	313	316
Urban areas [6]	57	59	66	60	61	70
Other land [7]	227	224	236	228	197	196
Total land area [8]	2,265	2,263	2,263	2,264	2,264	2,260

[1] Cropland harvested, crop failure, and cultivated summer fallow. [2] The 2007 and 2012 estimates declined due to a change in the methodology for determining cropland used for pasture. [3] Grassland and other nonforest pasture and range. [4] Excludes reserved and other forest land duplicated in parks and special uses of land. Includes forested grazing land. [5] Includes rural transportation areas, Federal and State areas used primarily for recreation and wildlife purposes, military areas, farmsteads, and farm roads and lanes. [6] The 2002 urban acreage estimate is not directly comparable to estimates in prior years due to a change in the definition of urban areas in the 2000 Census of Population and Housing. The apparent change in ''urban'' acreage between 1997 and 2002 reflects a definitional change, rather than a decline in acreage. [7] Miscellaneous areas such as marshes, open swamps, bare rock areas, deserts, and other uses not inventoried. [8] Remeasurement and increases in reservoirs account for changes in total land areas.

ERS, Rural and Resource Economics Division, (202) 694–5340. Estimates based on reports and records of the U.S. Agriculture and Commerce Departments, and public land administering and conservation agencies. Estimates developed for years coinciding with a Census of Agriculture. See http://www.ers.usda.gov/data-products/major-land-uses for data and more information.

Table 9-12.—Farm real estate: Value of farmland and buildings, Region, State, and United States, 2015–2018 [1]

Region and State	Total value of land and buildings			
	2015	2016	2017	2018
	Million dollars	*Million dollars*	*Million dollars*	*Million dollars*
Northeast:				
Connecticut	4,680	4,641	4,598	4,674
Delaware	4,217	4,311	4,373	4,457
Maine	3,038	2,873	3,081	3,081
Maryland	14,540	14,940	15,240	15,720
Massachusetts	5,300	5,350	5,292	5,450
New Hampshire	1,958	1,982	2,090	2,107
New Jersey	9,709	9,709	9,782	10,125
New York	21,630	21,770	21,804	22,287
Pennsylvania	42,825	42,486	44,019	45,625
Rhode Island	858	876	894	912
Vermont	4,020	4,080	4,164	4,248
Lake:				
Michigan	48,706	48,020	48,412	48,608
Minnesota	122,332	122,624	124,185	123,675
Wisconsin	65,520	65,088	69,641	70,070
Corn Belt:				
Illinois	200,610	197,100	193,320	196,560
Indiana	103,257	101,767	98,700	98,700
Iowa	234,702	225,522	224,910	222,462
Missouri	90,117	89,838	86,736	93,626
Ohio	83,020	83,580	84,140	86,180
Northern Plains:				
Kansas	94,095	87,478	86,562	84,730
Nebraska	135,751	130,050	126,900	123,750
North Dakota	73,491	68,775	68,382	67,203
South Dakota	98,724	94,827	90,720	89,424
Appalachian:				
Kentucky	44,147	46,020	47,840	48,633
North Carolina	38,760	38,675	38,472	38,976
Tennessee	40,221	41,093	41,856	42,728
Virginia	35,076	35,313	35,802	36,036
West Virginia	9,468	9,432	9,768	9,540
Southeast:				
Alabama	23,577	24,252	25,026	25,330
Florida	52,608	52,896	56,842	57,230
Georgia	32,046	34,100	35,600	35,451
South Carolina	15,024	15,264	15,228	15,888
Delta States:				
Arkansas	41,676	41,700	43,229	43,924
Louisiana	21,962	22,960	23,680	24,320
Mississippi	26,500	27,195	27,664	28,496
Southern Plains:				
Oklahoma	55,909	57,967	59,850	61,560
Texas	239,010	234,600	243,840	260,350
Mountain:				
Arizona [2]	25,211	24,929	26,058	26,493
Colorado	47,550	47,550	48,972	49,608
Idaho	29,601	30,044	31,941	33,292
Montana	52,126	52,443	53,278	53,128
Nevada [2]	5,934	5,829	5,722	5,722
New Mexico [2]	20,268	20,586	20,977	21,100
Utah [2]	15,523	15,512	15,983	16,290
Wyoming	20,374	20,481	20,648	21,054
Pacific:				
California	194,718	200,384	219,765	227,205
Oregon	34,668	35,840	37,760	38,880
Washington	38,073	39,396	40,572	41,748
United States [3]	2,623,130	2,602,148	2,644,318	2,686,656

[1] Total value of land and buildings is derived by multiplying average value per acre of farm real estate by the land in farms. [2] Value of all land and buildings adjusted to include American Indian reservation land value. [3] Excludes Alaska and Hawaii.

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Table 9-13.—Farm real estate: Average value per acre - Region, State, and United States, 2015–2018

Region and State	2015	2016	2017	2018
	Dollars	*Dollars*	*Dollars*	*Dollars*
Northeast:	5,190	5,270	5,380	5,550
Connecticut	11,700	11,900	12,100	12,300
Delaware	8,110	8,290	8,250	8,410
Maine	2,170	2,210	2,370	2,370
Maryland	7,270	7,470	7,620	7,860
Massachusetts	10,600	10,700	10,800	10,900
New Hampshire	4,450	4,610	4,860	4,900
New Jersey	13,300	13,300	13,400	13,500
New York	3,090	3,110	3,160	3,230
Pennsylvania	5,710	5,820	6,030	6,250
Rhode Island	14,300	14,600	14,900	15,200
Vermont	3,350	3,400	3,470	3,540
Lake:	4,740	4,730	4,880	4,890
Michigan	4,970	4,900	4,940	4,960
Minnesota	4,760	4,790	4,870	4,850
Wisconsin	4,550	4,520	4,870	4,900
Corn Belt:	6,220	6,100	5,990	6,110
Illinois	7,430	7,300	7,160	7,280
Indiana	6,930	6,830	6,580	6,580
Iowa	7,670	7,370	7,350	7,270
Missouri	3,230	3,220	3,120	3,380
Ohio	5,930	5,970	6,010	6,200
Northern Plains:	2,320	2,200	2,150	2,110
Kansas	2,050	1,910	1,890	1,850
Nebraska	3,010	2,890	2,820	2,750
North Dakota	1,870	1,750	1,740	1,710
South Dakota	2,280	2,190	2,100	2,070
Appalachian:	3,810	3,880	3,970	4,030
Kentucky	3,370	3,540	3,680	3,770
North Carolina	4,560	4,550	4,580	4,640
Tennessee	3,690	3,770	3,840	3,920
Virginia	4,440	4,470	4,590	4,620
West Virginia	2,630	2,620	2,640	2,650
Southeast:	3,740	3,830	3,990	4,050
Alabama	2,710	2,820	2,910	2,980
Florida	5,480	5,510	5,860	5,900
Georgia	3,270	3,410	3,560	3,510
South Carolina	3,130	3,180	3,240	3,310
Delta:	2,790	2,830	2,920	3,000
Arkansas	3,020	3,000	3,110	3,160
Louisiana	2,780	2,870	2,960	3,040
Mississippi	2,500	2,590	2,660	2,740
Southern Plains:	1,810	1,810	1,880	2,000
Oklahoma	1,630	1,690	1,750	1,800
Texas	1,860	1,840	1,920	2,050
Mountain:	1,130	1,140	1,170	1,200
Arizona [1]	3,620	3,570	3,770	3,780
Colorado	1,500	1,500	1,540	1,560
Idaho	2,530	2,590	2,730	2,870
Montana	888	898	917	916
Nevada [1]	1,080	1,040	1,020	1,020
New Mexico [1]	523	540	558	565
Utah [1]	2,130	2,160	2,230	2,310
Wyoming	686	699	712	726
Pacific:	4,800	4,960	5,440	5,610
California	7,820	8,080	8,970	9,350
Oregon	2,140	2,240	2,360	2,430
Washington	2,590	2,680	2,760	2,840
United States [2]	3,000	2,990	3,030	3,100

[1] Excludes American Indian Reservation Land. [2] Excludes Alaska and Hawaii.
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Table 9-14.—Land values, cropland and pasture average value per acre: Region, State, and United States, 2015–2018

Region and State	Cropland			
	2015	2016	2017	2018
	Dollars	*Dollars*	*Dollars*	*Dollars*
Northeast:	5,520	5,650	5,700	5,940
Delaware	7,880	8,090	7,960	8,120
Maryland	6,720	6,910	7,050	7,280
New Jersey	13,800	13,500	13,600	13,700
New York	2,680	2,690	2,740	2,800
Pennsylvania	6,130	6,450	6,470	6,890
Other States [1]	7,270	7,290	7,630	7,650
Lake:	4,730	4,750	4,840	4,810
Michigan	4,620	4,590	4,580	4,510
Minnesota	4,860	4,840	4,920	4,950
Wisconsin	4,550	4,660	4,870	4,740
Corn Belt:	6,700	6,500	6,380	6,370
Illinois	7,580	7,350	7,210	7,280
Indiana	6,780	6,690	6,300	6,210
Iowa	7,860	7,510	7,440	7,290
Missouri	3,680	3,570	3,560	3,490
Ohio	6,030	6,070	6,150	6,320
Northern Plains:	3,090	2,900	2,760	2,740
Kansas	2,230	2,080	2,010	2,060
Nebraska	5,010	4,750	4,430	4,380
North Dakota	2,080	1,910	1,890	1,870
South Dakota	3,670	3,430	3,200	3,120
Appalachian:	3,910	3,980	4,070	4,140
Kentucky	3,860	3,980	4,140	4,250
North Carolina	4,150	4,060	4,090	4,130
Tennessee	3,510	3,670	3,730	3,830
Virginia	4,560	4,610	4,730	4,760
West Virginia	3,290	3,220	3,250	3,250
Southeast:	3,840	4,030	4,060	4,160
Alabama	2,940	3,080	3,170	3,300
Florida	6,660	6,860	6,940	7,040
Georgia	3,160	3,420	3,430	3,430
South Carolina	2,560	2,610	2,700	2,790
Delta:	2,600	2,690	2,770	2,840
Arkansas	2,600	2,660	2,730	2,780
Louisiana	2,480	2,590	2,700	2,790
Mississippi	2,700	2,810	2,900	3,000
Southern Plains:	1,690	1,700	1,780	1,820
Oklahoma	1,520	1,530	1,590	1,630
Texas	1,760	1,770	1,850	1,890
Mountain:	1,780	1,820	1,860	1,910
Arizona [2]	7,970	7,800	7,720	7,610
Colorado	1,990	2,020	2,070	2,100
Idaho	3,280	3,420	3,570	3,740
Montana	995	1,010	1,010	1,020
Nevada [2]	2,550	(D)	(D)	(D)
New Mexico [2]	1,480	1,500	1,560	1,580
Utah [2]	3,430	3,530	3,690	3,830
Wyoming	1,420	1,450	1,460	1,490
Pacific:	6,190	6,350	6,650	6,830
California	10,850	11,160	11,630	12,170
Oregon	2,630	2,780	2,920	3,000
Washington	2,530	2,590	2,660	2,630
United States [3]	4,100	4,040	4,030	4,050

See footnote(s) at end of table.

Table 9-14.—Land values, cropland and pasture average value per acre: Region, State, and United States, 2015–2018—Continued

Region, State, and land type	Irrigated and Non-Irrigated Cropland			
	2015	2016	2017	2018
	Dollars	*Dollars*	*Dollars*	*Dollars*
Corn Belt:				
Missouri all cropland	3,680	3,570	3,560	3,490
Irrigated	4,950	4,830	4,940	4,770
Non-irrigated	3,570	3,470	3,450	3,380
Northern Plains:				
Kansas all cropland	2,230	2,080	2,010	2,060
Irrigated	3,300	3,050	2,910	2,980
Non-irrigated	2,110	1,970	1,910	1,960
Nebraska all cropland	5,010	4,750	4,430	4,380
Irrigated	6,780	6,430	6,010	5,930
Non-irrigated	3,920	3,720	3,450	3,430
South Dakota all cropland	3,670	3,430	3,200	3,120
Irrigated	(D)	(D)	(D)	(D)
Non-irrigated	3,640	3,410	3,180	3,100
Southeast:				
Florida all cropland	6,660	6,860	6,940	7,040
Irrigated	7,680	7,750	7,860	7,980
Non-irrigated	5,690	6,020	6,070	6,160
Georgia all cropland	3,160	3,420	3,430	3,430
Irrigated	3,600	4,010	4,080	4,560
Non-irrigated	3,000	3,210	3,190	3,020
Delta:				
Arkansas all cropland	2,600	2,660	2,730	2,780
Irrigated	3,070	3,150	3,230	3,290
Non-irrigated	1,880	1,920	1,960	1,990
Louisiana all cropland	2,480	2,590	2,700	2,790
Irrigated	2,380	2,520	2,660	2,750
Non-irrigated	2,510	2,620	2,710	2,810
Mississippi all cropland	2,700	2,810	2,900	3,000
Irrigated	3,130	3,300	3,440	3,580
Non-irrigated	2,500	2,580	2,640	2,720
Southern Plains:				
Oklahoma all cropland	1,520	1,530	1,590	1,630
Irrigated	(D)	(D)	(D)	(D)
Non-irrigated	1,510	1,520	1,580	1,610
Texas all cropland	1,760	1,770	1,850	1,890
Irrigated	1,970	1,920	2,020	2,160
Non-irrigated	1,730	1,750	1,820	1,840
Mountain:				
Arizona all cropland[2]	7,970	7,800	7,720	7,610
Irrigated	7,970	7,800	7,720	7,610
Colorado all cropland	1,990	2,020	2,070	2,100
Irrigated	4,840	4,860	4,950	5,050
Non-irrigated	1,280	1,320	1,360	1,370
Idaho all cropland	3,280	3,420	3,570	3,740
Irrigated	4,950	5,180	5,410	5,690
Non-irrigated	1,430	1,470	1,530	1,590
Montana all cropland	995	1,010	1,010	1,020
Irrigated	2,950	2,970	2,970	2,990
Non-irrigated	808	818	827	836
Nevada all cropland[2]	2,550	(D)	(D)	(D)
Irrigated	2,550	(D)	(D)	(D)
New Mexico all cropland[2]	1,480	1,500	1,560	1,580
Irrigated	4,020	4,080	4,140	4,190
Non-irrigated	400	405	463	469
Utah all cropland[2]	3,430	3,530	3,690	3,830
Irrigated	5,510	5,660	5,930	6,160
Non-irrigated	1,180	1,240	1,270	1,320
Wyoming all cropland	1,420	1,450	1,460	1,490
Irrigated	2,280	2,330	2,340	2,390
Non-irrigated	800	816	820	836
Pacific:				
California all cropland	10,850	11,160	11,630	12,170
Irrigated	12,900	13,200	13,700	14,300
Non-irrigated	4,060	4,400	4,740	5,090
Oregon all cropland	2,630	2,780	2,920	3,000
Irrigated	4,400	4,730	4,950	5,180
Non-irrigated	1,970	2,060	2,170	2,200
Washington all cropland	2,530	2,590	2,660	2,630
Irrigated	7,530	7,760	8,000	7,930
Non-irrigated	1,230	1,250	1,270	1,260

See footnote(s) at end of table.

Table 9-14.—Land values, cropland and pasture average value per acre: Region, State, and United States, 2015–2018-Continued

Region and State	Pasture			
	2015	2016	2017	2018
	Dollars	*Dollars*	*Dollars*	*Dollars*
Northeast:	3,600	3,550	3,640	3,770
Maryland	6,230	6,450	6,580	(D)
New Jersey	13,800	13,000	13,100	13,300
New York	1,470	1,460	1,480	1,560
Pennsylvania	2,960	2,860	3,020	3,140
Other States [1]	6,010	6,040	6,160	6,410
Lake:	2,050	2,020	2,050	2,080
Michigan	2,720	2,650	2,620	2,600
Minnesota	1,720	1,680	1,740	1,750
Wisconsin	2,180	2,190	2,200	2,260
Corn Belt:	2,390	2,330	2,260	2,320
Illinois	3,520	3,350	3,240	3,200
Indiana	2,520	2,480	2,430	2,430
Iowa	3,260	3,190	2,850	2,790
Missouri	1,880	1,830	1,830	1,920
Ohio	3,240	3,250	3,240	3,370
Northern Plains:	1,010	1,000	1,020	1,040
Kansas	1,400	1,310	1,310	1,320
Nebraska	859	891	904	975
North Dakota	828	794	804	776
South Dakota	963	993	1,020	1,040
Appalachian:	3,410	3,440	3,500	3,530
Kentucky	2,850	2,880	2,970	3,000
North Carolina	4,760	4,810	4,840	4,830
Tennessee	3,540	3,610	3,670	3,870
Virginia	4,110	4,090	4,150	4,050
West Virginia	2,040	2,060	2,100	2,090
Southeast:	3,870	4,000	4,030	4,180
Alabama	2,210	2,280	2,360	2,470
Florida	4,970	5,200	5,240	5,380
Georgia	3,580	3,540	3,570	3,660
South Carolina	3,060	3,120	3,180	3,260
Delta:	2,330	2,420	2,480	2,550
Arkansas	2,270	2,410	2,460	2,530
Louisiana	2,570	2,570	2,660	2,750
Mississippi	2,210	2,300	2,350	2,410
Southern Plains:	1,500	1,480	1,490	1,540
Oklahoma	1,370	1,380	1,350	1,380
Texas	1,530	1,500	1,520	1,570
Mountain:	626	636	647	667
Arizona [2]	(D)	(D)	(D)	(D)
Colorado	792	803	818	835
Idaho	1,280	1,350	1,420	1,490
Montana	649	649	658	667
Nevada [2]	(D)	(D)	(D)	(D)
New Mexico [2]	349	363	379	394
Utah [2]	1,090	1,100	1,130	1,160
Wyoming	530	540	550	561
Pacific:	1,640	1,660	1,680	1,680
California	2,740	2,760	2,780	2,810
Oregon	666	692	715	728
Washington	787	790	782	766
United States [3]	1,310	1,320	1,330	1,370

(D) Withheld to avoid disclosing data for individual operations. [1] Includes: Connecticut, Delaware, Maine, Maryland (beginning in 2018), Massachusetts, New Hampshire, Rhode Island, and Vermont. [2] Excludes American Indian Reservation land. [3] Excludes Alaska and Hawaii.

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Table 9-15.—Cash rents, cropland and pasture: By State, 2017–2018

State	2017				2018			
	Cropland	Irrigated cropland	Non-irrigated cropland	Pasture	Cropland	Irrigated cropland	Non-irrigated cropland	Pasture
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Alabama	58.00	121.00	55.00	23.00	61.50	111.00	59.00	22.00
Arizona	250.00	250.00	.....	2.30	253.00	253.00	.....	.....
Arkansas	106.00	132.00	43.00	18.00	111.00	136.00	49.00	18.00
California	325.00	510.00	35.00	12.00	340.00	528.00	.....	13.00
Colorado	73.50	143.00	30.00	5.60	74.50	144.00	.....	.....
Connecticut	.....	.....	57.00	.....	.....	.....	.....	.....
Delaware	109.00	145.00	88.00	.....	112.00	.....	.....	.....
Florida	123.00	259.00	50.00	15.50	115.00	232.00	53.00	17.00
Georgia	120.00	200.00	65.00	29.00	116.00	190.00	65.00	27.00
Hawaii	282.00	400.00	200.00	12.00	.....	.....	.....	.....
Idaho	160.00	215.00	58.00	12.00	160.00	216.00	56.00	11.00
Illinois	218.00	236.00	218.00	38.00	223.00	240.00	223.00	39.00
Indiana	195.00	250.00	193.00	39.00	198.00	244.00	196.00	.....
Iowa	231.00	240.00	231.00	54.00	231.00	.....	231.00	54.00
Kansas	64.00	128.00	56.00	19.00	66.50	131.00	58.00	19.50
Kentucky	145.00	205.00	144.00	25.00	149.00	.....	148.00	.....
Louisiana	88.00	104.00	71.00	17.00	89.00	104.00	73.00	18.00
Maine	.....	.....	57.00	.....	.....	.....	.....	.....
Maryland	103.00	190.00	94.00	40.00	113.00	.....	106.00	.....
Massachusetts	82.00	220.00	67.00	27.00	.....	.....	.....	.....
Michigan	123.00	225.00	115.00	28.00	123.00	232.00	115.00	.....
Minnesota	166.00	185.00	166.00	30.00	167.00	192.00	166.00	31.00
Mississippi	119.00	143.00	83.00	18.00	120.00	143.00	84.00	19.00
Missouri	128.00	180.00	121.00	31.00	132.00	180.00	125.00	33.00
Montana	31.50	75.00	26.00	6.30	32.00	.....	26.50	6.30
Nebraska	194.00	238.00	149.00	24.50	195.00	238.00	150.00	22.50
Nevada	.....	127.00	.....	.....	.....	.....	.....	.....
New Hampshire	54.00	.....	50.00	.....	.....	.....	.....	.....
New Jersey	77.00	128.00	63.00	36.00	77.50	.....	.....	.....
New Mexico	83.00	140.00	18.00	3.20	.....	.....	.....	.....
New York	61.00	138.00	60.00	23.00	63.00	.....	62.00	.....
North Carolina	88.50	105.00	88.00	26.00	87.00	110.00	86.00	28.00
North Dakota	65.00	161.00	64.00	17.00	65.00	163.00	64.00	17.00
Ohio	152.00	185.00	152.00	25.00	152.00	.....	152.00	.....
Oklahoma	33.00	72.00	31.00	13.00	34.00	72.00	32.00	13.50
Oregon	152.00	205.00	90.00	11.00	159.00	215.00	93.00	12.00
Pennsylvania	79.50	140.00	79.00	44.00	80.50	.....	80.00	.....
South Carolina	46.50	90.00	42.00	19.00	48.50	90.00	44.00	.....
South Dakota	119.00	191.00	117.00	25.00	119.00	189.00	117.00	23.00
Tennessee	98.50	170.00	95.00	20.00	98.00	165.00	95.00	20.00
Texas	40.50	87.00	28.00	6.60	42.50	91.00	30.00	6.70
Utah	63.00	90.50	26.50	4.80	64.00	92.00	.....	.....
Vermont	.....	.....	48.00	24.50	.....	.....	.....	.....
Virginia	60.00	105.00	58.00	20.00	63.00	100.00	61.00	21.00
Washington	198.00	350.00	73.00	8.00	203.00	358.00	75.00	.....
West Virginia	42.00	.....	42.00	12.50	45.00	.....	45.00	.....
Wisconsin	139.00	243.00	133.00	40.00	140.00	238.00	134.00	40.00
Wyoming	56.50	82.00	15.00	4.80	.....	.....	.....	.....

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Table 9-16.—Farm assets and claims: Comparative balance sheet of the farming sector, excluding operator households, United States, Dec. 31, 2014–2018

Item	2014	2015	2016	2017	2018
Assets	*Billion dollars*	*Billion dollars*	*Billion dollars*	*Billion dollars*	*Billion dollars*
Physical assets:					
Real estate	2,383.2	2,395.4	2,443.4	2,469.5	2,519.0
Non-real estate:					
Livestock and poultry [1]	127.9	118.2	109.0	107.2	104.9
Machinery and motor vehicles [2]	245.7	118.2	109.0	107.2	267.5
Crops [3]	61.7	239.5	255.4	260.5	49.4
Purchased inputs	20.1	52.5	55.7	56.9	16.8
Financial	102.8	16.4	14.9	16.2	68.5
Total	2,949.2	2,909.7	2,956.5	2,993.1	3,032.8
Debt					
Liabilities:					
Real estate	196.8	208.8	226.0	238.1	250.9
Non-real estate	148.4	148.0	148.2	155.0	160.0
Total Debt [4]	345.2	356.7	374.2	393.0	410.8
Equity	2,604.0	2,552.9	2,582.3	2,600.0	2,621.9
	Percent	*Percent*	*Percent*	*Percent*	*Percent*
Ratio:					
Debt/equity	13.3	14.0	14.5	15.1	15.7
Debt/assets	11.7	12.3	12.7	13.1	13.5

Note: Data as of March 6, 2019. [1] The U.S. total exceeds the sum of the states because NASS does not release state data for some minor producing states due to disclosure issues. Horses and mules are excluded. [2] Includes only farm share value for trucks and autos. [3] All non-CCC crops held on farms plus the value above loan rate for crops held under CCC. [4] Excludes debt for nonfarm purposes.

ERS, Farm Income Team. http://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics.aspx.

Table 9-17.—Farm labor: Number of workers on farms and average wage rates, United States, 2009–2018

Year	Hired workers [1]	Wage rate [2]
	Thousands	*Dollars Per Hour*
2009		
Jan	603	10.93
Apr	694	10.86
July	892	10.66
Oct	829	10.93
Annual average	754.5	10.83
2010		
Jan	612	11.08
Apr	746	10.82
July	885	10.79
Oct	827	11.13
Annual average	767.5	10.95
2011		
Jan	603	11.30
Apr	([3])	([3])
July	834	10.93
Oct	828	11.15
Annual average	748.8	11.07
2012		
Jan	575	11.52
Apr	748	11.41
July	906	11.36
Oct	876	11.75
Annual average	776.3	11.51
2013		
Jan	596	12.02
Apr	736	11.89
July	906	11.68
Oct	871	11.96
Annual average	777.3	11.87
2014		
Jan	540	12.23
Apr	690	12.01
July	838	11.96
Oct	782	12.12
Annual average	712.5	12.07
2015		
Jan	549	12.53
Apr	687	12.28
July	872	12.47
Oct	841	12.82
Annual average	737.3	12.54
2016		
Jan	582	12.83
Apr	703	12.75
July	840	13.02
Oct	798	13.25
Annual average	730.8	12.98
2017		
Jan	533	13.43
Apr	673	13.23
July	879	13.23
Oct	840	13.42
Annual average	731.3	13.32
2018		
Jan	534	14.08
Apr	648	13.72
July	843	14.28
Oct	784	14.47
Annual average	702.3	14.17

[1] Includes all workers, other than agricultural service workers, who were paid for at least one hour of agricultural work on a farm or ranch during the survey week. [2] Applies to hired workers only (excludes pay for agricultural service workers). [3] The Agricultural (Farm) Labor Survey was not conducted for this quarter.

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Table 9-18.—Farm labor: Number of hired workers on farms and average wage rates, by regions and United States, 2018 [1]

Region [2]	Workers on farms	Farm wage rates			
	Hired	Type of worker			
		Field	Livestock	Field and livestock	All hired workers [3]
	Thousands	*Dollars per hour*	*Dollars per hour*	*Dollars per hour*	*Dollars per hour*
January 7–13, 2018					
Northeast I	28	14.00	13.12	13.45	14.70
Northeast II	27	13.57	12.88	13.25	14.19
Appalachian I	19	12.49	11.57	12.15	13.30
Appalachian II	17	11.68	11.53	11.60	12.89
Southeast	20	10.74	11.33	10.95	11.86
Florida	37	10.80	10.80	10.80	11.64
Lake	35	12.18	12.35	12.30	13.06
Cornbelt I	31	13.09	13.20	13.15	14.29
Cornbelt II	16	13.37	13.08	13.20	13.85
Delta	19	12.35	10.83	11.50	12.23
Northern Plains	25	14.76	13.47	14.05	14.82
Southern Plains	40	11.68	12.48	12.05	12.65
Mountain I	17	13.18	13.14	13.15	14.54
Mountain II	13	12.16	13.93	13.40	14.57
Mountain III	17	12.04	12.33	12.15	13.31
Pacific	37	14.06	14.23	14.10	15.31
California	129	13.55	14.40	13.73	15.61
Hawaii	7	14.35	15.40	14.52	16.20
United States	534	12.84	12.89	12.86	14.08
April 8–14, 2018					
Northeast I	35	13.44	13.03	13.25	14.46
Northeast II	33	13.37	12.68	13.10	13.89
Appalachian I	24	11.87	11.80	11.85	12.69
Appalachian II	18	11.56	11.64	11.60	12.69
Southeast	30	10.35	11.03	10.55	11.23
Florida	38	11.20	12.20	11.25	11.89
Lake	43	12.28	12.41	12.35	13.02
Cornbelt I	42	12.49	13.20	12.75	13.71
Cornbelt II	21	12.74	13.43	13.05	13.64
Delta	32	11.30	10.91	11.15	11.62
Northern Plains	32	14.52	13.47	14.00	14.70
Southern Plains	44	11.40	12.13	11.75	12.26
Mountain I	26	13.16	13.02	13.10	13.84
Mountain II	15	12.08	13.59	13.05	14.13
Mountain III	16	11.77	12.09	11.90	13.13
Pacific	53	14.16	14.10	14.15	14.97
California	140	13.45	14.15	13.58	15.10
Hawaii	6	14.55	15.70	14.77	16.71
United States	648	12.72	12.78	12.74	13.72

See footnote(s) at end of table.

Table 9-18.—Farm labor: Number of hired workers on farms and average wage rates, by regions and United States, 2018 [1]—Continued

Region [2]	Workers on farms	Type of worker			
	Hired	Field	Livestock	Field and livestock	All hired workers [3]
	Thousands	*Dollars per hour*	*Dollars per hour*	*Dollars per hour*	*Dollars per hour*
July 8–14, 2018					
Northeast I	34	13.14	12.92	13.05	13.74
Northeast II	42	12.57	12.83	12.65	13.45
Appalachian I	40	12.17	12.54	12.25	12.73
Appalachian II	31	11.52	11.77	11.60	12.33
Southeast	27	11.75	10.85	11.50	12.32
Florida	30	11.40	11.40	11.40	12.49
Lake	70	13.76	14.05	13.90	14.49
Cornbelt I	45	13.20	13.36	13.25	14.29
Cornbelt II	24	13.48	12.62	13.15	13.84
Delta	31	11.33	11.67	11.40	11.85
Northern Plains	42	15.12	13.80	14.40	15.14
Southern Plains	57	12.33	12.28	12.30	13.12
Mountain I	27	13.53	14.23	13.85	14.34
Mountain II	21	13.15	13.01	13.10	13.79
Mountain III	18	11.30	12.67	11.95	12.49
Pacific	120	15.39	14.40	15.30	15.69
California	178	14.10	14.15	14.11	15.43
Hawaii	6	14.35	17.00	14.82	16.58
United States	843	13.58	13.22	13.48	14.28
October 7–13, 2018					
Northeast I	36	13.58	12.81	13.30	13.95
Northeast II	35	13.77	13.70	13.75	14.45
Appalachian I	37	12.52	12.68	12.55	13.07
Appalachian II	30	11.63	11.84	11.70	12.39
Southeast	27	11.92	10.82	11.60	12.48
Florida	31	11.60	11.60	11.60	12.63
Lake	66	14.81	14.39	14.60	15.14
Cornbelt I	45	13.93	13.47	13.80	14.76
Cornbelt II	23	13.94	13.65	13.85	14.53
Delta	28	11.32	11.46	11.35	11.83
Northern Plains	40	15.93	13.55	14.80	15.49
Southern Plains	53	12.67	12.73	12.70	13.53
Mountain I	31	13.05	14.11	13.55	13.95
Mountain II	20	12.91	13.26	13.05	13.87
Mountain III	19	11.45	12.67	12.00	12.53
Pacific	90	15.62	14.58	15.50	16.02
California	167	14.10	14.25	14.12	15.50
Hawaii	6	14.55	16.20	14.82	16.26
United States	784	13.74	13.38	13.64	14.47

[1] Includes all workers, other than agricultural service workers, who were paid for at least one hour of agricultural work on a farm or ranch during the survey week. [2] Multi-state regions consist of the following: Northeast I: Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, Vermont; Northeast II: Delaware, Maryland, New Jersey, Pennsylvania; Appalachian I: North Carolina, Virginia; Appalachian II: Kentucky, Tennessee, West Virginia; Southeast: Alabama, Georgia, South Carolina; Lake: Michigan, Minnesota, Wisconsin; Cornbelt I: Illinois, Indiana, Ohio; Cornbelt II: Iowa, Missouri; Delta: Arkansas, Louisiana, Mississippi; Northern Plains: Kansas, Nebraska, North Dakota, South Dakota; Southern Plains: Oklahoma, Texas; Mountain I: Idaho, Montana, Wyoming; Mountain II: Colorado, Nevada, Utah; Mountain III: Arizona, New Mexico; Pacific: Oregon, Washington. [3] Includes field workers, livestock workers, supervisors, and others, excluding agricultural service workers.

NASS, Economic, Environmental and Demographics Branch, (202) 720–6146.

Table 9-19.—Hired farmworkers: Number of Workers and Median Weekly Earnings, 2016–2018

Characteristics	Workers [1]			Median Weekly Earnings [2]		
	2016	2017	2018	2016	2017	2018
	Thousands	*Thousands*	*Thousands*	*Dollars*	*Dollars*	*Dollars*
All workers	925	964	950	481	500	540
15–19 years old	74	69	78	204	300	300
20–24 years old	95	104	108	480	442	459
25–34 years old	221	216	191	559	560	576
35–44 years old	196	199	204	500	520	576
45–54 years old	189	192	169	518	550	570
55 years old and older	150	185	201	480	600	550
Male	741	776	744	520	554	577
Female	184	189	206	400	430	440
White [3]	436	456	426	550	600	597
Black and other races [3]	39	50	55	*	*	*
Hispanic	450	459	469	480	480	528
Schooling completed						
Less than 5th grade	66	51	68	450	464	460
5th-8th grade	160	175	165	400	461	492
9th-12th grade (no diploma)	175	165	183	416	450	480
High school diploma	291	318	300	536	560	600
Beyond high school	233	255	235	610	650	600
Full-time (35 or more hours per week) [4]	789	836	798	538	574	580
Part-time (less than 35 hours per week) [4]	135	126	148	200	240	220

* Insufficient number of reports to publish data. [1] Represents annual average number of persons 15 years old and over in the civilian noninstitutional population who were employed as hired farm managers, supervisors, or laborers. Employment estimates based on 12 monthly Current Population Survey microdata files. Earnings estimates based on 12 monthly Current Population Survey Outgoing Rotation Group microdata files. [2] "Median weekly earnings" is the earnings value that divides farmworkers into two equal-sized groups, one group having earnings above the median and the other group having earnings below the median. "Earnings" refers to the weekly earnings the farmworker usually earns at a farmwork job, before deductions, and includes any overtime pay or commissions. [3] Excludes persons of Hispanic origin. [4] The sum of full-time and part-time workers will not equal the total because usual hours worked varies for some individuals.

ERS, Rural Economy Branch, (202) 694–5416.

Table 9-20.—Crops: Area, United States, 2009–2018

Year	Principal crops				Commercial vegetables, harvested area	Fruits and nuts, bearing area [4]
	Area harvested			Area planted total [3]		
	Feed grains [1]	Food grains [2]	Total [3]			
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*
2009	89,446	53,195	301.172	319,022	2,946.6	4,050.5
2010	89,984	50,768	303,619	315,414	2,827.2	4,091.5
2011	90,940	48,543	292,652	314,343	2,682.0	4,132.6
2012	96,639	51,687	306,855	324,304	2,762.0	4,113.1
2013	98,095	48,073	303,764	324,937	2,681.2	4,306.1
2014	93,079	49,576	308,368	326,673	2,669.6	4,375.9
2015	93,037	50,267	304,814	319,047	2,637.1	4,398.3
2016	96,455	47,356	305,826	318,977	2,636.2	4,770.4
2017	90,543	40,229	301,779	318,340	2,572.5	4,818.5
2018	89,648	42,800	300,566	319,579	2,498.1	4,056.1

[1] Corn for grain, oats, barley, and sorghum for grain. [2] Wheat, rye, and rice. [3] Crops included in area planted and area harvested are corn, sorghum, oats, barley, winter wheat, rye, durum wheat, other spring wheat, rice, soybeans, peanuts, sunflower, cotton, dry edible beans, potatoes, canola, proso millet, and sugarbeets. Harvested acreage for all hay, tobacco, and sugarcane are used in computing total area planted. [4] Includes the following fruits and nuts: Citrus fruits—oranges, tangerines, Temples, grapefruit, lemons and tangelos; area is for the year of harvest; deciduous fruits—commercial apples, peaches, pears, grapes, cherries, plums, prunes, apricots, bananas, nectarines, figs, kiwifruit, olives, avocados, papayas, dates, berries, guavas, cranberries, pineapples (discontinued as of 2007 crop) and strawberries; nuts—almonds, hazelnuts, macadamias, pistachios, and walnuts.

NASS, Crops Branch, (202) 720–2127.

Table 9-21.—Crops: Area harvested and yield, United States, 2017–2018

Crop	Area harvested		Yield per acre		
	2017	2018	Unit	2017	2018
	1,000 acres	*1,000 acres*			
Grains and hay:					
Barley	1,962	1,982	Bushels	73.0	77.5
Corn for grain	82,733	81,740	Bushels	176.6	176.4
Corn for silage	6,385	6,113	Tons	20.0	19.9
Hay, all	52,777	52,839	Tons	2.43	2.34
Alfalfa	17,007	16,608	Tons	3.28	3.17
All other	35,770	36,231	Tons	2.02	1.96
Oats	804	865	Bushels	61.7	64.9
Proso millet	403	403	Bushels	36.9	29.8
Rice	2,374	2,915	Pounds	7,507	7,692
Rye	300	273	Bushels	34.2	30.9
Sorghum for grain	5,044	5,061	Bushels	71.7	72.1
Sorghum for silage	282	264	Tons	13.4	12.6
Wheat, all	37,555	39,612	Bushels	46.4	47.6
Winter	25,301	24,742	Bushels	50.2	47.9
Durum	2,106	1,974	Bushels	26.0	39.5
Other spring	10,148	12,896	Bushels	41.0	48.3
Oilseeds:					
Canola	2,002.0	1,942.5	Pounds	1,526	1,861
Cottonseed	.....	.....	Tons	.....	.....
Flaxseed	272	198	Bushels	14.1	22.6
Mustard Seed	95.4	97.5	Pounds	617	750
Peanuts	1,775.6	1,373.5	Pounds	4,007	4,001
Rapeseed	9.9	5.4	Pounds	1,843	1,524
Safflower	145.2	156.4	Pounds	1,212	1,511
Soybeans for beans	89,542	87,594	Bushels	49.3	50.6
Sunflower	1,333.8	1,217.4	Pounds	1,603	1,731
Cotton, tobacco and sugar crops:					
Cotton, all	11,100.4	10,205.8	Pounds	905	864
Upland	10,850.0	9,957.0	Pounds	895	847
American Pima	250.4	248.8	Pounds	1,341	1,545
Sugarbeets	1,113.8	1,095.4	Tons	31.7	30.3
Sugarcane	904.1	899.7	Tons	36.8	38.4
Tobacco	321.5	291.4	Pounds	2,209	1,830
Dry beans, peas and lentils:					
Austrian winter peas	8.0	10.9	Cwt	1,250	1,138
Dry edible beans	2,022.7	2,016.0	Cwt	1,778	1,860
Chickpeas, all	611.0	842.8	Cwt	1,155	1,512
Large	435.2	623.2	Cwt	1,169	1,520
Small	175.8	219.6	Cwt	1,120	1,489
Dry edible peas	1,051.5	807.9	Cwt	1,350	1,972
Lentils	1,022.0	718.0	Cwt	732	1,171
Wrinkled seed peas	.....	.....	Cwt	.....	.....
Potatoes and miscellaneous:					
Hops	54.0	55.0	Pounds	1,956	1,943
Maple Syrup	.....	.....	Pounds	.....	.....
Mushrooms	.....	.....	Pounds	.....	.....
Peppermint oil	60.8	58.5	Pounds	95	92
Potatoes, all	1,044.5	1,014.8	Cwt	432	443
Spring	62.2	51.8	Cwt	350	343
Summer	67.6	56.4	Cwt	331	315
Fall	914.7	906.6	Cwt	445	457
Spearmint oil	22.3	20.8	Pounds	125	124
Sweet potatoes	159.3	144.4	Cwt	224	190
Taro (Hawaii)	0.4	0.3	Pounds	10,530	9,630

NASS, Crops Branch, (202) 720–2127.

Table 9-22.—Crops: Production and value, United States, 2017–2018

Crop	Production			Value of production	
	Unit	2017	2018	2017	2018
		Thousands	*Thousands*	*1,000 dollars*	*1,000 dollars*
Grains and hay:					
Barley	Bushels	143,258	153,527	624,184	693,058
Corn for grain	Bushels	14,609,407	14,420,101	49,567,854	51,481,090
Corn for silage	Bushels	127,434	121,361	.....	.....
Hay, all	Tons	128,207	123,600	16,109,040	17,048,184
Alfalfa	Tons	55,812	52,634	8,155,304	8,457,472
All other	Tons	72,395	70,966	7,953,736	8,590,712
Oats	Bushels	49,585	56,130	139,635	163,822
Proso millet	Bushels	14,889	11,991	49,444	55,648
Rice	Cwt	178,228	224,211	2,360,439	2,751,514
Rye	Bushels	10,252	8,432	48,180	.....
Sorghum for grain	Bushels	361,871	364,986	1,168,526	1,212,237
Sorghum for silage	Bushels	3,772	3,326	.....	.....
Wheat, all	Bushels	1,740,910	1,885,156	8,255,119	9,699,073
Winter	Bushels	1,270,282	1,183,939	5,522,949	5,981,865
Durum	Bushels	54,777	77,985	344,791	405,313
Other Spring	Bushels	415,851	623,232	2,387,379	3,311,895
Oilseeds:					
Canola	Pounds	3,055,410	3,615,440	526,211	594,156
Cottonseed	Tons	6,422.0	5,631.0	911,925	896,048
Flaxseed	Bushels	3,842	4,466	36,340	43,072
Mustard Seed	Pounds	58,820	73,078	17,725	20,878
Peanuts	Pounds	7,115,410	5,495,935	1,634,017	1,155,709
Rapeseed	Pounds	18,250	8,230	3,487	1,526
Safflower	Pounds	176,025	236,380	35,725	48,051
Soybeans for beans	Bushels	4,411,633	4,428,150	41,308,740	39,133,978
Sunflower	Pounds	2,137,750	2,107,045	375,077	371,386
Cotton, tobacco and sugar crops:					
Cotton, all	Bales	20,922.5	18,367.0	7,222,535	6,712,086
Upland	Bales	20,223.0	17,566.0	6,757,371	6,187,432
American Pima	Bales	699.5	801.0	465,164	524,654
Sugarbeets	Tons	35,317	33,145	1,456,165	.....
Sugarcane	Tons	33,238	34,542	1,025,524	.....
Tobacco	Pounds	710,161	533,241	1,461,855	1,093,918
Dry Beans, peas and lentils:					
Austrian winter peas	Cwt	100	124	1,575	1,830
Dry edible beans	Cwt	35,961	37,494	1,006,353	978,076
Chickpeas, all	Cwt	7,057	12,742	223,130	274,039
Large	Cwt	5,088	9,472	170,960	203,423
Small	Cwt	1,969	3,270	52,170	70,616
Dry edible peas	Cwt	14,195	15,929	165,770	164,972
Lentils	Cwt	7,482	8,408	188,906	139,911
Wrinkled seed peas	Cwt	357	389	11,548	13,564
Potatoes and miscellaneous:					
Hops	Pounds	105,621.5	106,906.7	591,375	583,444
Maple Syrup	Gallons	4,385	4,199	145,346	141,825
Mushrooms	Pounds	933,355	917,235	1,226,127	1,131,564
Peppermint oil	Pounds	5,750	5,377	105,011	106,489
Potatoes, all	Cwt	450,921	450,020	4,133,073	4,006,340
Spring	Cwt	21,748	17,757	467,311	282,093
Summer	Cwt	22,373	17,764	287,416	207,518
Fall	Cwt	406,800	414,499	3,378,346	3,516,729
Spearmint oil	Pounds	2,796	2,571	45,336	43,178
Sweet potatoes	Cwt	35,646	27,378	657,021	654,060
Taro (Hawaii)	Pounds	3,686	2,985	2,580	1,970

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Table 9-23.—Fruits and nuts: Bearing acreage and yield, United States, 2017–2018

Crop	Bearing acreage		Yield per acre		
	2017	2018	Unit	2017	2018
	Acres	*Acres*			
Noncitrus fruits:					
Apples, Commerical	328,200	291,200	Tons	17.60	17.61
Apricots	11,300	10,600	Tons	4.04	3.73
Avocados	58,140	53,640	Tons	3.23	3.46
Bananas (Hawaii) [1] [2]	950	.....	Tons	3.50	.....
Blackberries Cultivated (Oregon) [1] [2]	6,300	.....	Tons	3.19	.....
Blueberries Cultivated [1]	83,900	89,200	Tons	3.06	3.15
Blueberries Wild (Maine) [1]	17,000	18,800	Tons	1.99	1.34
Boysenberries (Oregon) [1] [2]	330	.....	Tons	3.03	.....
Cherries, Sweet	92,500	85,000	Tons	4.73	4.05
Cherries, Tart	35,300	35,200	Tons	3.68	4.24
Coffee (Hawaii)	7,200	7,100	Tons	1.77	1.92
Cranberries	39,900	39,300	Tons	10.46	11.36
Dates	13,400	13,100	Tons	3.23	3.13
Figs (California) [2]	6,700	.....	Tons	4.66	.....
Grapes	997,800	937,000	Tons	7.40	8.11
Kiwifruit (California)	3,600	3,900	Tons	9.33	9.70
Nectarines	17,000	14,000	Tons	8.34	8.60
Olives (California)	40,000	37,500	Tons	4.81	1.43
Papayas (Hawaii) [1]	1,100	800	Tons	11.64	6.50
Peaches	91,950	74,500	Tons	7.62	8.74
Pears	46,200	46,300	Tons	16.00	17.40
Plums (California)	15,000	14,000	Tons	7.86	7.16
Prunes (California)	45,000	44,000	Tons	7.22	6.36
Raspberries [1]	19,960	16,900	Tons	5.65	6.47
Strawberries [1]	53,200	49,220	Tons	25.57	29.03
Tree nuts:					
Almonds (California) [3]	1,030,000	1,090,000	Tons	1.79	1.69
Hazelnuts (Oregon) [3]	40,000	44,000	Tons	0.80	1.16
Macadamia (Hawaii) [3]	17,000	16,900	Tons	1.44	1.04
Pecans [3]	404,800	409,900	Tons	0.38	0.30
Pistachios (California) [3]	250,000	264,000	Tons	1.20	1.87
Walnuts (California) [3]	335,000	350,000	Tons	1.88	1.93
Citrus fruits:					
Grapefruit [4]	59,600	54,800	Boxes	285	228
Lemons [4]	54,300	54,300	Boxes	406	409
Oranges [4]	527,500	517,500	Boxes	225	176
Tangerines and Mandarins [4]	68,400	71,300	Boxes	372	280

[1] Harvested acreage. For 2017, yield based on utilized production. For 2018, yield based on total production. [2] Estimates discontinued in 2018. [3] Yield based on utilized production on an in-shell basis. [4] Crop year begins with bloom in one year and ends with completion of harvest the following year. Citrus production is for the the year of harvest.

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Table 9-24.—Fruits and nuts: Production and value, United States, 2017–2018

Crop	Total production		Value of utilized production	
	2017	2018	2017	2018
	1,000 tons [1]	*1,000 tons* [1]	*1,000 dollars*	*1,000 dollars*
Noncitrus fruits:				
Apples, Commerical	5,776.9	5,128.5	3,601,447	3,013,713
Apricots	45.7	39.6	44,556	48,465
Avocados	187.7	185.8	392,012	400,354
Bananas (Hawaii) [2]	3.3	.....	6,028	.....
Blackberries Cultivated (Oregon)) [2]	20.1	.....	31,115	.....
Blueberries Cultivated	259.3	281.2	815,908	797,295
Blueberries Wild (Maine)	33.9	25.2	17,561	23,155
Boysenberries (Oregon)) [2]	1.0	.....	1,693	.....
Cherries, Sweet	437.6	344.4	891,652	637,700
Cherries, Tart	129.8	149.2	56,868	56,635
Coffee	12.7	13.7	43,774	50,160
Cranberries	419.7	446.3	252,088	222,440
Dates	43.3	41.1	150,959	152,175
Figs (California)) [2]	31.2	.....	28,568	.....
Grapes	7,383.9	7,596.0	6,507,849	6,615,121
Kiwifruit (California)	33.6	37.8	34,860	32,886
Nectarines	141.9	120.5	128,255	104,626
Olives (California)	192.3	53.6	186,649	40,523
Papayas (Hawaii)	12.8	5.2	9,400	5,702
Peaches	700.8	651.5	599,862	511,226
Pears	737.5	805.5	519,290	428,940
Plums (California)	117.9	100.0	114,897	92,570
Prunes (California)	325.5	279.6	207,900	194,832
Raspberries	113.4	109.4	493,945	367,001
Strawberries [3]	1,360.4	1,428.9	2,895,813	2,670,523
Tree Nuts:				
Almonds, shelled (California) [4]	1,892.5	1,872.5	5,603,950	5,468,040
Hazelnuts, in-shell (Oregon) [5]	(NA)	(NA)	73,600	91,800
Macadamia, in-shell (Hawaii) [5]	(NA)	(NA)	53,900	42,007
Pecans, in-shell [5]	(NA)	(NA)	709,218	425,331
Pistachios, in-shell (California) [5]	(NA)	(NA)	1,014,507	2,615,550
Walnuts, in-shell (California) [5]	(NA)	(NA)	1,568,700	878,800
Citrus fruits [3]:				
Grapefruit	698	509	256,917	207,970
Lemons	882	888	763,446	715,761
Oranges	5,088	3,875	1,943,678	1,830,445
Tangerines and mandarins	1,029	804	568,084	575,976

(NA) Not available. [1] Tons refers to the 2,000 lb. short Tons. [2] Estimates discontinued in 2018. [3] Value of production is packinghouse-door equivalent. [4] Value is based on the edible portion of the crop only. [5] Only utilized production estimated.

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Table 9-25.—Vegetables, commercial: Area harvested and yield, United States, 2017–2018

Crop	Total area harvested		Total yield per harvested acre		
	2017	2018	Unit	2017	2018
	Acres	*Acres*			
Artichokes	7,200	6,900	Cwt	130.0	145.0
Asparagus	26,300	21,700	Cwt	32.0	36.0
Beans, lima	24,100	23,750	Cwt	27.8	28.7
Beans, snap	212,100	221,500	Cwt	85.2	79.4
Broccoli	128,600	113,900	Cwt	158.5	151.7
Cabbage	60,600	54,200	Cwt	393.2	359.9
Cantaloups	63,250	60,700	Cwt	243.4	240.6
Carrots	75,900	79,800	Cwt	408.4	413.8
Cauliflower	45,800	43,900	Cwt	198.1	211.5
Celery	31,800	30,200	Cwt	505.9	589.4
Corn, sweet	464,600	473,100	Cwt	162.9	154.9
Cucumbers	117,200	110,900	Cwt	161.4	139.3
Garlic	33,000	32,800	Cwt	155.0	175.0
Honeydews	11,600	14,900	Cwt	290.0	310.0
Lettuce					
Head	140,700	120,300	Cwt	351.1	337.2
Leaf	67,200	69,300	Cwt	203.5	162.7
Romaine	117,400	99,600	Cwt	309.3	293.5
Onions	151,500	130,200	Cwt	543.8	556.1
Pea, green	134,200	131,100	Cwt	44.8	38.7
Peppers, bell	42,200	39,700	Cwt	341.0	324.8
Peppers, chile	16,000	14,200	Cwt	208.5	187.7
Pumpkins	72,300	65,900	Cwt	220.2	228.5
Spinach	64,730	61,450	Cwt	125.0	138.0
Squash	45,900	44,800	Cwt	174.5	165.0
Tomatoes	310,500	321,900	Cwt	791.2	863.8
Watermelons	107,800	111,400	Cwt	378.3	350.5

NASS, Crops Branch, (202) 720–2127.

Table 9-26.—Vegetables, commercial: Production and value, United States, 2017–2018

Crop	Total production			Total value of utilized production	
	Unit	2017	2018	2017	2018
		Thousands	*Thousands*	*1,000 dollars*	*1,000 dollars*
Artichokes	Cwt	936.0	1,000.5	65,520	63,032
Asparagus	Cwt	841.1	781.8	100,672	87,584
Beans, lima	Cwt	671.0	681.7	19,493	21,622
Beans, snap	Cwt	18,076.3	17,595.2	349,445	363,506
Broccoli	Cwt	20,384.0	17,273.0	925,716	738,527
Cabbage	Cwt	23,826.0	19,507.5	431,307	409,446
Cantaloups	Cwt	15,394.8	14,607.0	295,975	331,542
Carrots	Cwt	31,001.0	33,018.0	696,129	731,504
Cauliflower	Cwt	9,074.5	9,286.0	415,737	425,350
Celery	Cwt	16,089.0	17,799.0	322,047	444,013
Corn, sweet	Cwt	75,674.4	73,279.7	892,179	858,862
Cucumbers	Cwt	18,912.8	15,450.4	392,013	332,867
Garlic	Cwt	5,115.0	5,740.0	390,021	452,599
Honeydews	Cwt	3,364.0	4,619.0	94,192	90,532
Lettuce					
Head	Cwt	49,395.5	40,561.0	1,774,522	1,219,857
Leaf	Cwt	13,675.0	11,277.0	833,077	585,299
Romaine	Cwt	36,308.0	29,233.0	1,628,136	901,186
Onions	Cwt	82,389.0	72,409.0	1,042,090	817,496
Pea, green	Cwt	6,012.4	5,071.0	85,475	64,901
Peppers, bell	Cwt	14,390.0	12,895.0	625,577	533,307
Peppers, chile	Cwt	3,336.0	2,665.0	113,562	94,767
Pumpkins	Cwt	15,919.6	15,058.4	196,541	190,162
Spinach	Cwt	8,090.6	8,480.5	470,860	422,879
Squash	Cwt	8,009.1	7,392.5	235,613	192,922
Tomatoes	Cwt	245,654.5	278,071.0	1,677,960	1,856,280
Watermelons	Cwt	40,781.5	39,045.0	594,033	656,655

NASS, Crops Branch, (202) 720–2127.

Table 9-27.—Livestock and livestock products: Production and value, United States, 2016–2018

Product	Production [1]			Value of production		
	2016	2017	2018	2016	2017	2018
	Millions	*Millions*	*Millions*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Eggs	103,202	107,242	109,192	6,591,359	7,635,359	10,586,262
	1,000 pounds	*1,000 pounds*	*1,000 pounds*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Cattle and calves	42,694,001	44,197,461	46,318,583	48,572,501	50,398,374	49,844,530
Hogs	35,898,712	36,962,875	38,829,022	17,363,044	19,159,248	19,060,203
Broilers [2]	54,259,100	55,573,900	56,791,100	25,935,852	30,232,203	31,746,230
Mature chickens	1,060,677	1,001,386	1,019,695	87,949	46,999	49,364
Turkeys [3]	7,486,978	7,544,391	7,598,289	6,184,247	4,873,677	3,875,131
Milk	212,451,000	215,527,000	217,575,000	34,712,099	38,119,254	35,411,485
Catfish [3 4]	320,174	342,241	358,604	385,985	379,713	360,401
Trout [3 4]	60,933	55,709	49,772	113,904	120,302	110,554
Honey	162,246	148,980	152,348	343,962	334,166	333,482
Wool (shorn)	25,795	24,810	24,00	37,423	36,774	42,772
Mohair	800	740	755	3,650	3,661	3,963

[1] For cattle, sheep, and hogs, the quantity of net production is the live weight actually produced during the year, adjustments having been made for animals shipped in and changes in inventory. Estimates for broilers and eggs cover the 12-month period Dec. 1, previous year through Nov. 30. [2] Young chickens of meat–type strains raised for meat production. [3] Live weight. [4] Value of fish sold, excludes eggs.

NASS, Livestock Branch, (202) 720–3570.

Table 9-28.—Farm product prices: Marketing year average prices received by farmers; Parity prices, United States, 2017–2018

Commodity	Unit	Marketing year average price [1]		Parity price [2]	
		2017	2018	2017	2018
		Dollars	*Dollars*	*Dollars*	*Dollars*
Basic commodities:					
Cotton:					
Upland	pound	0.686	0.703	1.93	2
Extra long staple(American Pima)	pound	1.39	1.15	3.83	3.99
Wheat	bushel	4.72	5.16	17.7	17.6
Rice	cwt	12.9	12.3	39.5	39.9
Corn	bushel	3.36	3.61	13	13.2
Peanuts	pound	0.229	0.215	0.663	0.675
Tobacco:					
Flue-cured, types (class 1)	pound	2.004	1.933	5.21	5.46
Types 21	pound	(NA)	(NA)	(NA)	(NA)
Burley, type 31	pound	1.935	1.96	5.13	5.34
Maryland, type 32 [3]	pound	1.8	1.8	4.9	5.05
Dark air-cured, types 35–36	pound	(NA)	(NA)	(NA)	(NA)
Sun-cured, type 37	pound	(NA)	(NA)	(NA)	(NA)
Pa., seedleaf, type 41	pound	2.36	2.14	5.5	5.78
Cigar binder type 51	pound	(NA)	(NA)	(NA)	(NA)
Puerto Rican filler, type 46	pound	(NA)	(NA)	(NA)	(NA)
Cigar wrapper, type 61	pound	(NA)	(NA)	(NA)	(NA)
Designated nonbasic commodities:					
All milk, sold to plants	cwt	17.69	16.28	51.9	52.2
Honey, all	pound	2.200	2.166	4.72	5.14
Wool and mohair:					
Wool [4]	pound	1.48	1.75	3.63	3.87
Mohair [5]	pound	4.95	5.25	11.4	11.9
Other nonbasic commodities:					
Field crops and miscellaneous:					
Austrian winter peas	cwt	12.7	16.4	(NA)	(NA)
Barley	bushel	4.47	4.62	14.3	14.9
Beans, dry edible	cwt	26.7	25.4	93.3	96
Cottonseed	ton	142	155	591	593
Crude pine gum	barrel	(NA)	(NA)	400	408
Flaxseed	bushel	9.53	(NA)	33.1	33.8
Hay, all, baled	ton	142	166	424	431
Hops	pound	5.6	5.46	10.6	11.6
Lentils	cwt	25.9	17.7	73.5	77.8
Oats	bushel	2.59	2.66	8.41	8.57
Peas, dry edible	cwt	11.8	10.5	54.5	55.5
Peppermint oil	pounds	18.3	19.8	58.8	60.8
Popcorn, shelled basis	cwt	(NA)	(NA)	52.1	53.1
Potatoes	cwt	9.17	8.9	24.6	(NA)
Rye	bushel	4.7	6.27	18.2	18.5
Sorghum grain	cwt	5.75	5.82	22.2	22.3
Soybeans	bushel	9.33	8.48	31.4	32.6
Spearmint oil	pound	16.2	16.8	49	50.8
Sweet potatoes	cwt	18.4	23.2	59.3	60.5
Fruits:					
Citrus (equiv. on-tree): [6]					
Grapefruit	box	12.48	14.24	19.2	21.7
Lemons	box	28.5	26.03	50.4	54.9
Oranges	box	13.32	16.86	25.4	26.7
Tangerines	box	18.76	25.39	51.6	53.7
Deciduous and other:					
Apples:					
For fresh consumption [7]	pound	0.407	0.394	0.98	1.03
For processing [8]	ton	248	206	545	575
Apricots:					
For fresh consumption [9]	ton	1,400	1,540	3400	3,400
Dried, California (dried basis) [8]	ton	(D)	(D)	7630	8,750
For processing (excl dried) [8]	ton	(NA)	(NA)	1160	1,230
Avocados [9]	ton	2,110	2,190	5100	5,370

See footnote(s) at end of table.

Table 9-28.—Farm product prices: Marketing year average prices received by farmers; Parity prices, United States, 2017–2018—Continued

Commodity	Unit	Marketing year average price [1]		Parity price [2]	
		2017	2018	2017	2018
		Dollars	*Dollars*	*Dollars*	*Dollars*
Deciduous and other—Continued					
Berries for processing:					
Blackberries (Oregon)	pound	0.692	.....	17.90	18.20
Boysenberries (Oregon)	pound	0.835	.....	2.54	2.58
Gooseberries	pound	.....	.....	1.07	1.09
Loganberries (Oregon)	pound	.....	.....	1.73	1.76
Raspberries, black (California, Oregon & Washington)	pound	.....	.....	3.05	3.11
Raspberries, red (California, Oregon & Washington)	pound	.....	.....	2.42	2.47
Cherries:					
Sweet	ton	2,060	1,860	5,930	6,250
Tart	pound	0.224	0.196	0.922	0.939
Cranberries [10]	barrel	30.20	25.10	121	119
Dates [9]	ton	3,510	3,800	4,260	4,230
Grapes:					
For all sales	ton	881	871	.....	.....
Raisin varieties dried, California (dried basis) [8]	ton	1,840	.....	4,090	4,110
Wine dried grapes	ton	928	.....	1,860	2,010
Kiwi	ton	1,050	870	2,780	3,050
Nectarines					
For fresh consumption [17]	ton	943	(D)	1,830	1,970
For processing [18]	ton	144	(D)	121	124
Olives (California): [11]					
For all sales	ton	974	766	.....	.....
Crushed for oil	ton	810	566	1,690	1,800
For all sales (excl crushed)	ton	.....	.....	2,520	2,610
For canning	ton	1,320	1,270	2,790	2,910
Papayas	pound	0.422	0.554	1.15	1.20
Peaches:					
For all sales	ton	864	801	.....	.....
For fresh consumption [7]	ton	1,350	1,250	2,490	2,660
Dried, California (dried basis) [8]	ton	(NA)	.....	1,320	1,280
For processing California (excl dried):					
Clingstone [11]	ton	474	480	980	1,060
Freestone [8]	ton	393	410	798	869
Pears:					
For all sales	ton	710	536	.....	.....
For fresh consumption [7]	ton	875	610	1,670	1,770
For processing (excl dried) [8]	ton	384	367	.....	.....
Plums (California):					
For all sales [9]	ton	1,000	935	.....	.....
For fresh consumption [17]	ton	(D)	(D)	1,840	1,910
For processing [18]	ton	(D)	(D)	.....	.....
Prunes, dried (California) [8]	ton	1,980	.....	4,520	4,700
Prunes and plums (excl California):					
For fresh consumption [12]	ton	.....	.....	1,760	1,800
For processing (excl dried) [8]	ton	.....	.....	686	699
Strawberries:					
For fresh consumption [13]	cwt	125	106	253	282
For processing [8]	cwt	37.20	43.60	101	106
Sugar crops:					
Sugarbeets	ton	41.2	35.5	150	150
Sugarcane for sugar	ton	31	33.4	99.70	102
Tree nuts: [14]					
Almonds	pound	2.53	2.44	6.60	6.93
Hazelnuts	ton	2,300	1,800	6,250	6,840
Macadamia	pound	1.10	1.19	.....	.....
Pecans, all	pound	2.33	1.75	4.98	(NA)
Pistachios	pound	1.69	2.65	6.63	6.93
Walnuts	ton	2,490	1,300	6,680	6,870

See footnote(s) at end of table.

Table 9-28.—Farm product prices: Marketing year average prices received by farmers; Parity prices, United States, 2017–2018—Continued

Commodity	Unit	Marketing year average price [1]		Parity price [2]	
		2017	2018	2017	2018
		Dollars	*Dollars*	*Dollars*	*Dollars*
Vegetables for fresh market: [13]					
Artichokes, California	cwt	70	63	131	134
Asparagus	cwt	132	122	323	335
Broccoli	cwt	46	43.1	111	115
Cabbage	cwt	19.8	22.9	39.8	40.5
Cantaloups	cwt	19.2	22.7	61.4	62.5
Carrots [15]	cwt	30.2	27.3	78.7	81.9
Cauliflower [15]	cwt	46.8	46.1	130	135
Celery [15]	cwt	20.5	25.9	58.8	58.1
Cucumbers	cwt	29.4	28.6	65.7	66.9
Eggplant	cwt	(NA)	(NA)	69.4	70.7
Escarole/Endive	cwt	(NA)	(NA)	89.3	91
Garlic	cwt	184	190	84.4	86
Green peppers [15]	cwt	48.7	44.3	104	106
Honeydew melons	cwt	28	19.6	55.6	59.3
Lettuce	cwt	35.9	30.1	66.3	71.3
Onions [15]	cwt	14.4	13.5	39.8	41.4
Snap beans	cwt	57.1	59.8	130	132
Spinach	cwt	68.8	59	114	116
Sweet corn	cwt	29.2	29.3	76.3	79.8
Tomatoes	cwt	36.8	41.5	116	119
Watermelons	cwt	14.8	16.9	24.4	24.8
Vegetables for processing: [8]					
Asparagus	ton	1570	1,580	42100	4,340
Beets	ton	(NA)	(NA)	224	229
Cabbage	ton	202	123	173	176
Cucumbers	ton	352	352	(NA)	(NA)
Green peas	ton	250	251	977	989
Lima beans	ton	561	625	19300	1,970
Snap beans	ton	188	182	645	660
Spinach	ton	196	197	418	426
Sweet corn	ton	78.5	79.7	305	311
Tomatoes	ton	82.7	81.5	235	243
Livestock and livestock products:					
All beef cattle	cwt	120	115	320	335
Cows	cwt	69.1	62.6	(NA)	(NA)
Steers and heifers	cwt	122	117	(NA)	(NA)
Calves	cwt	168	170	464	484
Beeswax	pound	(NA)	(NA)	(NA)	(NA)
Chickens:					
Broilers, live [18]	pound	0.545	0.567	1.44	1.5
All Eggs	dozen	0.863	1.15	2.94	2.96
Hogs	cwt	53.1	50.2	161	166
Lambs	cwt	(NA)	(NA)	(NA)	(NA)
Milk cows [16]	head	1,620	1,360	(NA)	(NA)
Sheep	cwt	(NA)	(NA)	(NA)	(NA)
Turkeys, live	pound	0.645	0.51	187	194

(D) Withheld to avoid disclosing data for individual operations. (NA) Not available. [1] Unless otherwise noted, these prices are for marketing year average or calendar year average computed by weighing State prices by quantities sold, or by production for those commodities for which the production is sold. [2] Parity prices are for January of the year shown as published in the January issue of Agricultural Prices. [3] Previous year. [4] Average local market price for wool sold excluding incentive payment. [5] Average local market price for mohair sold excluding incentive payment. [6] Crop year begins with bloom in one year and ends with completion of harvest the following year. Prices refer to the year harvest begins. [7] Equivalent packinghouse-door returns for California, Oregon (pears only), Washington, and New York (apples only), and prices as sold for other States. [8] Equivalent returns at processing plant-door. [9] Equivalent returns at packinghouse-door. [10] Weighted average of co-op and independent sales. Co-op prices represent pool proceeds excluding returns from non-cranberry products and before deductions for capital stock and other retains. [11] Equivalent per unit returns for bulk fruit at first delivery point. [12] Average price as sold. [13] FOB shipping point when available. Weighted average of prices at points of first sale. [14] Prices are in-shell basis except almonds which are shelled basis. [15] Includes some processing. [16] Simple average of States weighted by estimated Jan. 1 head for U.S. average. [17] Prices for fresh and processing breakdown no longer published to avoid disclosure of individual operations. [18] Live weight equivalent price.

NASS, Environmental, Economics, and Demographics Branch (202) 720–6146.

Table 9-29.—Producer prices: Index numbers, by groups of commodities, United States, 2009–2018

[1982=100]

Year	Total finished goods	Consumer foods	Personal consumption goods [1]	Total intermediate materials	Unprocessed Goods for intermediate demand [2]
2009	172.5	175.5	179.1	172.5	175.2
2010	179.8	182.4	189.1	183.4	212.2
2011	190.7	193.9	203.3	199.8	249.4
2012	194.3	199.1	207.5	200.7	241.4
2013	196.7	203.5	210.3	200.8	246.7
2014	200.4	212.5	214.7	201.9	249.3
2015	193.9	209.7	204.4	188.0	189.1
2016	191.9	204.6	201.3	182.2	173.4
2017	198.0	207.2	209.2	190.7	190.8
2018	204.1	207.4	216.8	200.9	200.1

ERS, Food Marketing Branch, (202) 694–5349. Compiled from reports of the U.S. Department of Labor.

Table 9-30.—Prices received by farmers: Index numbers by groups of commodities and parity ratio, United States, 2008–2018 [1]

[1910–14=100]

Year	Food grain	Feed grain	Cotton	Tobacco	Oilseed	Fruit & tree nut [2]	Vegetable & melon	Other crop
2008	820	1,010	515	1,409	1,107	1,038	1,076	604
2009	590	579	416	1,569	971	977	1,153	609
2010	560	587	601	1,557	944	1,031	1,161	622
2011	758	902	745	1,497	1,225	1,162	1,224	645
2012	779	1,010	673	1,576	1,356	1,339	1,040	649
2013 [3]	759	943	651	1,760	1,343	1,311	1,330	645

Year	Potato & dry edible bean	Crop Production	Meat animal	Dairy	Poultry & egg	Livestock Production	Agricultural Production	Parity ratio [4]
2009	761	747	1,075	790	390	857	832	35
2010	708	690	1,256	1,000	427	1,002	850	35
2011	867	872	1,540	1,239	422	1,161	1,032	38
2012	846	933	1,633	1,140	459	1,190	1,083	38
2013	901	922	1,669	1,230	515	1,260	1,104	38
2014	(3)	805	(3)	(3)	(3)	1,495	1,113	37
2015	(3)	759	(3)	(3)	(3)	1,317	1,024	34
2016	(3)	752	(3)	(3)	(3)	1,096	935	32
2017	(3)	752	(3)	(3)	(3)	1,160	963	33
2018	(3)	609	(3)	(3)	(3)	1,095	938	32

[1] These indexes are computed using the price estimates of averages for all classes and grades for individual commodities being sold in local farm markets. In computing the group indexes, prices of individual commodities have been compared with 2011 weighted average prices. The resulting ratios are seasonally weighted by average quantities sold for the most recent 5–year period. For example, 2013 indexes use quantities sold for the period 2007–11. Then, the 2011 indexes are used to adjust the 1910–14 base period. [2] Fresh market for noncitrus, and fresh market and processing for citrus. [3] Data series discontinued after 2013. [4] Ratio of Index of Prices Received to the Index of Prices Paid by Farmers for Commodities and Services, Interest, Taxes, and Farm Wage Rates.

NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 9-31.—Prices received by farmers: Index numbers by groups of commodities and ratio, United States, 2009–2018 [1]

(2011=100)

Year	Food grain	Feed grain	Cotton [2]	Tobacco [2]	Oilseed	Fruit & tree nut [3]	Vegetable & melon	Other crop
2009	78.5	65.1	55.9	99.7	83.5	83.9	102.8	94.1
2010	74.4	66.0	80.6	98.9	81.2	88.5	103.5	95.9
2011	100.0	100.0	.....	.....	100.0	100.0	100.0	100.0
2012	103.8	110.8	.....	.....	111.9	112.4	91.9	102.7
2013	101.5	102.4	.....	.....	111.6	119.1	103.8	100.5
2014	90.4	69.1	.....	.....	98.8	136.3	103.3	94.7
2015	75.5	62.7	.....	.....	76.0	138.6	108.8	84.3
2016	62.1	58.6	.....	.....	75.0	138.8	103.9	79.1
2017	65.5	56.5	.....	.....	75.1	133.8	113.6	81.5
2018	74.8	58.3	.....	.....	73.5	132.4	107.3	88.5

Year	Potato [4] & dry edible bean [5]	Crop Production	Meat animal	Dairy product	Poultry & egg	Livestock Production	Agricultural Production	Parity ratio [6]
2009	88.3	85.7	73.8	63.7	93	69.9	80.6	92
2010	82.1	87.0	85.7	80.7	101.6	81.6	86.8	96
2011	.....	100.0	100	100.0	100	100	100	100
2012	.....	107.0	102.5	92.1	109	103.9	105	100
2013	.....	105.7	108.5	99.8	123.3	106.8	107	100
2014	.....	92.3	128.7	119.2	133.1	131.1	107.9	96
2015	.....	87.0	113.4	85.2	127.8	119.8	99.2	90
2016	.....	86.2	94.4	81.1	100.4	97.9	90.6	85
2017	.....	86.8	99.9	87.8	107.5	100.5	93.3	87
2018	.....	86.8	94.3	80.9	116.3	95.8	90.9	83

[1] These indexes are computed using the price estimates of averages for all classes and grades for individual commodities being sold in local farm markets. In computing the group indexes, prices of individual commodities have been compared with 2011 weighted average prices. The resulting ratios are seasonally weighted by average quantities sold for the most recent previous 5–year period. For example, 2013 indexes use quantities sold for the period 2007–11. [2] Included in Other crop index group beginning in 2010. [3] Fresh market for noncitrus, and fresh market and processing for citrus. [4] Included in Vegetable and melon index group beginning 2010. [5] Included in Food grain index group beginning 2010. [6] Ratio of Index of Prices Received (2011=100) to Index of Prices Paid by Farmers for Commodities & Services, Interest, Taxes, and Wage Rates (2007–11=100).

NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 9-32.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 2009–2018

(2011=100)

	Production indexes [1]								
Year	Production all commodities	Feed	Livestock & Poultry	Seeds	Fertilizer	Agricultural chemicals	Fuels	Supplies & Repairs	Autos & trucks
2009	84.8	82.5	74.6	90.1	83.8	102.5	63.1	94.3	94.9
2010	87.7	79.7	86.0	93.4	76.8	99.5	78.3	96.1	97.3
2011	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2012	105.4	115.3	106.6	105.5	101.4	105.4	99.3	102.9	101.9
2013	107.4	117.5	108.3	110.2	96.7	108.5	98.4	103.8	103.4
2014	114.1	114.9	153.6	113.5	94.5	109.5	97.9	105.7	104.4
2015	112.0	106.1	147.1	124.6	87.2	106.5	63.5	105.8	105.5
2016	104.7	101.4	105.2	121.4	71.8	107.7	55.6	106.0	106.0
2017	104.5	94.8	107.0	119.9	66.2	104.0	63.2	107.9	106.0
2018	106.4	99.9	105.8	118.5	66.7	100.7	71.1	111.6	105.5

	Production indexes [1] - continued									
Year	Farm machinery	Building materials	Farm services	Rent	Interest	Taxes	Wage rates	Production, interest, taxes, & wage rates	Family living	Commodities, interest, taxes, & wage rates [2]
2009	91.2	95.4	95.3	89.6	94.2	91.9	97.9	86.4	95.4	87.3
2010	94.3	96.6	98.1	92.6	91.6	95.9	98.9	89.0	96.9	90.0
2011	100.0	100.0	100.0	100.0	100.0	100 0	100.0	100.0	100.0	100.0
2012	105.3	102.6	101.8	101.7	99.3	101.0	102.9	104.8	102.1	104.4
2013	108.1	104.6	105.5	105.6	93.3	103.4	106.3	106.7	103.6	106.3
2014	112.0	106.9	109.1	114.2	93.1	116.3	108.0	113.1	105.3	112.0
2015	114.6	107.4	113.7	130.3	98.4	109.9	111.9	111.6	105.4	110.7
2016	115.4	107.6	115.6	123.8	103.9	114.7	115.9	105.8	106.7	105.9
2017	117.7	110.4	112.4	123.8	111.9	116.3	119.1	106.3	109.0	106.6
2018	120.0	116.1	114.5	119.5	117.6	117.1	126.3	108.7	111.7	109.1

[1] Annual price index computed using annual weights. Base period (2011=100) are now being published to one decimal digit. [2] Family Living component included.

NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 9-33.—Prices paid by farmers: Index numbers, by groups of commodities, United States, 2009–2018 [1]

[1910–14=100]

Year	Family living	Production indexes							
		Production all commodities	Feed	Livestock & poultry	Seed	Fertilizer	Agricultural chemicals	Fuels	Supplies & repairs
2009	2,038	1,766	909	1,472	2,960	1,009	921	1,765	1,113
2010	2,071	1,825	879	1,698	3,070	925	893	2,191	1,134
2011	2,136	2,082	1,102	1,974	3,286	1,204	898	2,797	1,180
2012	2,181	2,193	1,270	2,104	3,468	1,221	946	2,779	1,214
2013	2,213	2,237	1,295	2,137	3,622	1,164	974	2,752	1,225
2014	2,249	2,376	1,266	3,032	3,729	1,138	983	2,739	1,247
2015	2,252	2,331	1,168	2,904	4,096	1,050	957	1,775	1,248
2016	2,280	2,179	1,118	2,076	3,990	864	967	1,556	1,251
2017	2,328	2,175	1,045	2,113	3,940	797	934	1,768	1,272
2018	2,385	2,214	1,100	2,089	3,893	803	904	1,988	1,316

Year	Production indexes—Continued				Interest	Taxes	Wage rates	Production, interest, taxes, & wage rates	Commodities, interest, taxes, & wage rates [2]
	Autos & trucks	Farm machinery	Building materials	Farm services & rent					
2009	2,917	5,575	2,218	1,976	3,436	5,453	7,007	2,435	2,364
2010	2,992	5,762	2,248	2,036	3,339	5,694	7,079	2,509	2,434
2011	3,074	6,111	2,326	2,123	3,646	5,935	7,161	2,820	2,706
2012	3,131	6,432	2,387	2,162	3,620	5,993	7,366	2,954	2,824
2013	3,179	6,609	2,434	2,241	3,402	6,137	7,607	3,010	2,877
2014	3,209	6,845	2,486	2,360	3,394	6,904	7,731	3,190	3,031
2015	3,243	7,003	2,497	2,554	3,587	6,520	8,015	3,146	2.996
2016	3,259	7,051	2,504	2,524	3,789	6,808	8,295	2,983	2,866
2017	3,259	7,190	2,569	2,486	4,082	6,904	8,529	2,996	2,885
2018	3,242	7,329	2,700	2,474	4,288	6,952	9,047	3,066	2,954

[1] Based on Consumer Price Index-Urban of Bureau of Labor Statistics. [2] The index known as the Parity Index is the Index of Prices Paid by Farmers for Commodities and Services, Interest, Taxes, and Wage Rates expressed on the 1910–14=100 base.

NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 9-34.—Grazing fees: Rates for cattle by selected States and regions, 2017–2018

State	Monthly lease rates for private non-irrigated grazing land [1]					
	Animal unit [2]		Cow-calf		Per head	
	2017	2018	2017	2018	2017	2018
	Dollars per month	*Dollars per month*	*Dollars per month*	*Dollars per month*	*Dollars per month*	*Dollars per month*
Arizona	9.50	10.00	(S)	(S)	(S)	(S)
California	20.60	22.40	28.00	29.00	19.50	21.00
Colorado	19.00	19.50	23.00	23.00	18.00	18.50
Idaho	18.00	18.00	22.00	22.50	18.50	19.00
Kansas	21.00	21.00	27.00	27.00	24.50	22.00
Montana	24.50	24.50	27.00	26.00	24.00	24.50
Nebraska	39.80	46.00	45.00	52.00	39.00	35.00
Nevada	9.90	9.50	18.10	(S)	15.50	15.20
New Mexico ...	15.50	16.00	(S)	(S)	16.00	16.50
North Dakota	19.00	24.50	23.00	32.00	19.00	19.00
Oklahoma	12.50	12.50	(S)	(S)	11.50	13.00
Oregon	16.50	17.50	19.50	21.00	19.50	21.50
South Dakota	31.50	31.50	39.00	40.50	35.00	34.00
Texas	12.50	12.50	(S)	(S)	11.50	14.50
Utah	16.50	17.00	20.00	19.00	18.50	18.50
Washington	14.00	14.50	16.50	16.50	16.00	16.00
Wyoming	21.50	22.00	23.50	24.00	22.00	23.00
17-State [3]	20.20	21.30	23.70	25.20	20.60	21.00
16-State [4]	22.60	24.00	26.40	28.40	23.40	23.00
11-State [5]	19.30	19.70	22.80	22.80	19.80	20.50
9-State [6]	20.50	21.70	23.80	25.70	20.70	21.00

(S) Insufficient number of reports to establish an estimate. [1] The average rates are estimates (rates over $10.00 are rounded to the nearest dime) based on survey indications of monthly lease rates for private, non-irrigated grazing land from the January Cattle Survey. [2] Includes animal unit plus cow-calf rates. Cow-calf rate converted to animal unit (AUM) using (1 aum=cow-calf *0.833). [3] Seventeen Western States: All States listed. [4] Sixteen Western States: All States, except Texas. [5] Eleven Western States: Arizona, California, Colorado, Idaho, Montana, Nevada , New Mexico, Oregon, Utah, Washington and Wyoming. [6] Nine Great Plains States: Colorado, Kansas, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota, Texas and Wyoming.

NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 9-35.—Agricultural commodities: Support prices per unit, United States, 2014–2018 [1]

Commodity	Unit	2014 [2]	2015	2016	2017	2018
		Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Basic commodities:						
Corn:						
Target/reference price	Bushel	3.70	3.70	3.70	3.70	3.70
Loan rate	do	1.95	1.95	1.95	1.95	1.95
Cotton:						
American upland:						
Target price	Cwt	(NA)	(NA)	(NA)	(NA)	(NA)
Loan rate	do	52.00	52.00	52.00	49.49	52.00
Extra-long staple:						
Target price	do	(NA)	(NA)	(NA)	(NA)	(NA)
Loan rate	do	79.77	79.77	79.77	79.77	79.77
Peanuts:						
Target/reference price	Short tons	535.00	535.00	535.00	535.00	535.00
Loan rate	do	355.00	355.00	355.00	355.00	355.00
Rice:						
Target/reference price [3]	Cwt	14.00	14.00	14.00	14.00	14.00
Loan rate	do	6.50	6.50	6.50	6.50	6.50
Wheat:						
Target/reference price	Bushel	5.50	5.50	5.50	5.50	5.50
Loan rate	do	2.94	2.94	2.94	2.94	2.94
Barley:						
Target/reference price	Bushel	4.95	4.95	4.95	4.95	4.95
Loan rate	do	1.95	1.95	1.95	1.95	1.95
Sorghum grain:						
Target/reference price	Cwt	7.05	7.05	7.05	7.05	7.05
Loan rate	do	3.48	3.48	3.48	3.48	3.48
Oats:						
Target/reference price	Bushel	2.40	2.40	2.40	2.40	2.40
Loan rate	do	1.39	1.39	1.39	1.39	1.39
Other oilseeds: [4]						
Target/reference price	Cwt	20.15	20.15	20.15	20.15	20.15
Loan rate	do	10.09	10.09	10.09	10.09	10.09
Soybeans:						
Target/reference price	Bushel	8.40	8.40	8.40	8.40	8.40
Loan rate	do	5.00	5.00	5.00	5.00	5.00
Dry Peas:						
Target/reference price	Cwt	11.00	11.00	11.00	11.00	11.00
Loan rate	do	5.40	5.40	5.40	5.40	5.40
Small chick peas:						
Target/reference price	Cwt	19.04	19.04	19.04	19.04	19.04
Loan rate	do	7.43	7.43	7.43	7.43	7.43
Large chick peas:						
Target/reference price	Cwt	21.54	21.54	21.54	21.54	21.54
Loan rate	do	11.28	11.28	11.28	11.28	11.28
Lentils:						
Target/reference price	do	19.97	19.97	19.97	19.97	19.97
Loan rate	do	11.28	11.28	11.28	11.28	11.28
Sugar, raw cane:						
Loan rate	Pound	0.188	0.188	0.188	0.188	0.188
Sugar, refined beet:						
Loan rate	do	0.241	0.241	0.241	0.241	0.241
Honey, extracted:						
Loan rate	Pound	0.69	0.69	0.69	0.69	0.69
Mohair:						
Loan rate	do	4.20	4.20	4.20	4.20	4.20
Wool, graded:						
Loan rate	Pound	1.15	1.15	1.15	1.15	1.15
Wool,nongraded:						
Loan rate	Pound	0.40	0.40	0.40	0.40	0.40
Milk for manufacturing: [5]						
Support price	Cwt	(NA)	(NA)	(NA)	(NA)	(NA)

(NA) Not available. [1] National averages during the marketing years for the individual crops. [2] Target price is applicable for crop years 2012-2013 and reference price is applicable beginning with crop year 2014. [3] Target and reference price shown is for long grain and medium (including short) grain rice. The reference price for temporate japonica rice is $16.10 per Cwt beginning with crop year 2014. The loan rate for temperate japonica is the same as for other types of rice, at 6.50 per cwt. [4] Other oilseeds are flaxseed, sunflower seed (oil and other types), safflower, rapeseed, canola, mustard seed, crambe, and sesame seed. [5] Effective support price calculated from product prices specified in 2008 Farm Bill, effective January 1, 2008. The Dairy Product Price Support Program expired December 31, 2013.

FPAC-FSA, Loan Making Division, (202) 690-4006.

Table 9-36.—Farm income: Cash receipts by commodity groups and selected commodities, United States, 2014–2018 [1]

Commodity	2014	2015	2016	2017	2018
	Thousand dollars				
All commodities	424,216,010	377,072,444	357,855,275	371,431,220	372,899,822
Livestock and products	212,799,230	189,468,909	162,829,730	176,034,295	175,268,484
Cattle and calves	81,478,368	78,128,981	63,672,844	67,351,377	66,510,424
Hogs	26,517,815	20,623,942	19,038,623	21,072,898	20,181,367
Sheep and lambs	(NA)	(NA)	(NA)	(NA)	(NA)
Dairy products	49,352,950	35,732,794	34,538,700	37,937,689	35,064,026
Broilers	32,728,234	28,716,398	25,935,852	30,229,700	32,280,115
Farm chickens	96,151	103,206	87,423	46,674	49,384
Chicken eggs	10,257,972	13,608,194	6,514,074	7,551,021	10,135,673
Turkeys	5,304,501	5,707,928	6,184,247	4,841,545	3,815,409
Miscellaneous livestock	7,063,239	6,847,466	6,857,968	7,003,390	7,232,086
Crops	211,426,948	187,619,974	195,001,740	195,396,925	197,631,338
Food grains	16,046,130	12,281,732	11,273,172	11,202,413	11,679,520
Feed crops	65,887,223	56,928,704	55,442,001	54,255,031	56,568,259
Cotton	7,111,320	4,756,100	5,496,518	7,958,702	7,815,473
Tobacco	1,717,774	1,607,985	1,337,821	1,378,695	1,247,564
Oil crops	42,619,119	35,513,420	44,043,505	41,207,593	42,240,723
Vegetables	18,870,335	20,281,406	18,996,236	19,723,146	18,459,872
Fruits/nuts	31,930,824	28,417,919	29,991,875	31,145,042	30,381,540
All other crops	27,244,224	27,832,707	28,420,611	28,526,304	29,238,387

Data as of March 6, 2019. (NA) Not available [1] USDA estimates and publishes individual cash receipt values only for major commodities and major producing States. The U.S. receipts for individual commodities, computed as the sum of the reported States, may understate the value of sales for some commodities, with the balance included in the appropriate category labeled ''other'' or ''miscellaneous''. The degree of underestimation in some of the minor commodities can be substantial.

ERS, Farm Income Team, (202) 694–5344. FarmIncomeTeam@ers.usda.gov. http://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics.aspx.

Table 9-37.—Farm income: United States, 2014–2018

Item	2014	2015	2016	2017	2018
	Thousand dollars				
Total gross farm income	483.1	440.5	411.7	429.5	433.0
Value of production	473.4	429.7	398.7	417.9	419.2
Crops	206.0	184.0	188.6	189.6	188.5
Livestock and product	214.4	194.2	165.6	177.3	176.4
Services and forestry	52.9	51.5	44.5	51.0	54.3
Direct government payments	9.8	10.8	13.0	11.5	13.8
Total production expenses [1]	391.1	359.4	350.2	354.3	369.8
Net farm income	92.0	81.1	61.5	75.2	63.1
Gross cash income	470.6	422.3	398.7	415.8	421.6
Cash expenses	339.0	315.9	303.8	314.8	330.3
Net cash income	131.6	106.3	94.9	101.0	91.4

Data as of March 6, 2019. [1] Includes expenses associated with operator dwellings.

ERS, Farm Income Team, (202) 694–5344. FarmIncomeTeam@ers.usda.gov. http://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics.aspx.

Table 9-38.—Expenses: Farm production expenses, United States, 2015–2018

Item	2015	2016	2017	2018
	Thousand dollars			
Total production expenses [1]	359,440,347	350,219,741	354,277,464	369,827,260
Feed purchased	58,538,814	55,636,890	55,236,625	58,311,974
Livestock and poultry purchased	30,374,285	22,063,968	28,377,831	28,721,552
Seed purchased	21,323,225	21,823,770	22,224,206	22,031,377
Fertilizer and lime	25,544,606	23,541,108	22,038,484	22,122,980
Pesticides	14,629,651	15,230,869	15,531,478	15,538,668
Fuel and oil	13,166,472	12,155,180	12,872,344	15,138,634
Electricity	5,722,547	5,585,083	5,806,507	5,899,755
Other [2]	66,511,167	65,592,758	68,522,002	70,913,260
Interest [1]	16,382,490	17,337,685	18,687,579	21,956,267
Contract and hired labor expenses	32,102,649	34,425,216	35,436,036	38,069,072
Net rent to landlords [3]	20,071,518	19,459,885	18,378,016	19,126,814
Capital consumption [1]	41,555,938	44,736,351	37,385,366	37,326,457
Property taxes [1]	13,516,985	12,630,978	13,780,990	14,670,449

[1] Includes expenses associated with operator dwellings. [2] Includes repair and maintenance, machine hire and custom work, marketing, storage and transportation, insurance premiums, and miscellaneous other expenses. [3] Data includes landlord capital consumption.

ERS, Farm Income Team, (202) 694-5344. FarmIncomeTeam@ers.usda.gov. http://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics.aspx. Data as of March 6, 2019.

Table 9-39.—Principal farm operator household finances, United States, 2015–2018

Item	2015	2016	2017	2018
Number of family farms	2,032,300	2,027,269	1,989,574	1,979,368
	Income, median dollars per household			
Farm income	(765)	(940)	(1,036)	(1,840)
Off-farm income	67,500	66,468	67,500	65,841
Earned income	38,270	40,000	42,851	37,500
Unearned income	25,013	24,962	19,000	20,404
Household income	76,735	76,250	74,950	72,092
U.S. household income [1]	56,516	59,039	61,372	(NA)
	Income, average dollars per household			
Farm income	24,740	24,731	21,830	17,103
Off-farm income	95,140	93,187	89,914	93,786
Earned income	65,814	65,680	61,506	65,596
Unearned income	29,326	27,506	28,408	28,190
Household income	119,880	117,918	111,744	110,888
U.S. household income [1]	79,263	83,143	86,220	(NA)

(NA) Not available. [1] Estimates of U.S. Household Income are produced by the U.S. Census Bureau, Current Population Reports, p60-263, *Income and Poverty in the United States: 2017 (and earlier editions).*

ERS, Farm Economy Branch, farmincometeam@ERS.usda.gov. Source: USDA, Economic Research Service and National Agricultural Statistics Service, 2014-2018 Agricultural Resource Management Survey. Data as of August 30, 2019.

CHAPTER X

INSURANCE, CREDIT, AND COOPERATIVES

The statistics in this chapter deal with insurance, agricultural credit and farm cooperatives. Some of the series were developed in connection with research activities of the Department, while others, such as data from agricultural credit agencies, are primarily records of operations.

Table 10-1.—Crop losses: Average percentage of indemnities attributed to specific hazards, by crops, 1948–2018

Crop	Year	Drought heat (excess)	Hail	Precip. (excess poor drainage)	Frost freeze, (other cold damage)	Flood	Cyclone, tornado, wind, hot wind	Insects	Disease	Decline in price	Other
		Percent									
Adj. gross revenue	2001-2014	11	10	10	24	0	2	0	0	43	0
Adj. gross revenue-lite	2003-2014	8	10	10	31	1	1	0	1	39	0
Alfalfa seed	2002-2018	42	9	12	17	0	14	4	0	0	0
All other citrus trees	2001-2018	0	0	3	9	0	25	0	0	0	63
All other grapefruit	2001-2009	0	0	0	10	0	90	0	0	0	0
Almonds	1981-2018	8	3	50	35	0	4	0	0	0	0
Annual Forage	2014-2018	0	0	0	0	0	0	0	0	0	100
Apiculture	2009-2018	0	0	0	0	0	0	0	0	0	100
Apples	1963-2018	8	29	5	54	0	2	0	0	0	1
Avocado trees	1996-2013	0	0	6	1	0	94	0	0	0	0
Avocados	1998-2018	45	0	1	29	0	20	0	0	1	3
Banana	2012-2013	100	0	0	0	0	0	0	0	0	0
Barley	1956-2018	42	15	31	5	0	2	2	2	0	0
Blueberries	1995-2018	3	5	10	73	0	2	1	1	0	5
Buckwheat	2010-2018	39	30	20	9	0	2	0	0	0	0
Burley tobacco	1997-2018	37	3	44	2	6	2	0	4	0	1
Cabbage	1999-2018	20	1	38	20	1	10	5	3	0	2
Camelina	2012-2015	100	0	0	0	0	0	0	0	0	0
Canola	1995-2018	22	11	52	10	0	4	1	1	0	0
Carambola trees	2001-2018	0	0	17	0	0	83	0	0	0	0
Cherries	1963-2018	17	4	32	36	0	3	0	0	8	0
Chile peppers	2000-2018	1	24	12	23	6	21	8	4	0	1
Cigar:											
binder tobacco	1997-2018	10	15	25	2	0	2	0	44	0	1
filler tobacco	1998-2015	73	0	19	0	0	0	1	7	0	0
wrapper tobacco	1997-2015	0	0	49	3	0	0	0	48	0	0
Citrus	1952-1997	2	1	1	94	0	2	0	0	0	0
Citrus I	1998-2012	0	0	0	7	0	92	0	0	0	0
Citrus II	2000-2013	0	0	0	27	0	73	0	0	0	0
Citrus III	2001-2013	0	0	0	13	0	87	0	0	0	0
Citrus IV	1998-2011	0	6	0	13	0	81	0	0	0	0
Citrus V	1999-2013	0	4	0	46	0	50	0	0	0	0
Citrus VI	2006	0	0	0	0	0	100	0	0	0	0
Citrus VII	1998-2013	0	4	0	15	0	81	0	0	0	0
Citrus VIII	2009-2012	0	13	0	87	0	0	0	0	0	0
Citrus trees	1984-1997	0	0	0	100	0	0	0	0	0	0
Citrus trees I	2008-2010	0	0	70	0	0	30	0	0	0	0
Citrus trees II	2008-2010	0	0	100	0	0	0	0	0	0	0
Citrus trees III	2010	0	0	100	0	0	0	0	0	0	0
Citrus trees IV	2008-2010	0	0	100	0	0	0	0	0	0	0
Citrus trees V	2010	0	0	100	0	0	0	0	0	0	0
Clams	2001-2018	0	0	0	25	0	8	0	2	0	65
Clary sage	2017-2018	0	0	78	4	0	17	0	0	0	0
Coffee	2009-2018	52	0	15	0	0	17	2	0	0	15
Corn	1948-2018	50	5	26	3	2	2	0	1	10	0
Cotton	1948-2018	55	12	13	3	1	13	1	0	2	0
Cotton ex long staple	1984-2018	81	2	5	7	1	2	1	0	0	0
Crambe	1999-2003	22	12	28	9	0	23	0	5	0	0
Cranberries	1984-2018	16	16	16	40	2	2	4	1	0	5
Cucumbers	2014-2018	10	3	81	4	0	2	0	1	0	0
Cultivated wild rice	1999-2018	41	10	6	12	1	16	1	1	0	13
Dark air tobacco	1997-2018	12	2	71	1	2	3	0	5	0	3
Dry beans	1948-2018	16	19	46	13	0	2	0	2	1	0
Dry peas	1963-2018	47	22	22	3	0	1	0	1	3	0
Early & midseason oranges	1998-2018	0	6	24	37	0	32	0	0	0	0
Figs	1988-2018	22	0	42	34	0	2	0	0	0	0
Fire cured tobacco	1997-2018	15	6	56	3	5	6	0	4	0	7
Flax	1948-2018	41	7	42	5	0	3	1	1	0	0

See note(s) at end of table.

Table 10-1.—Crop losses: Average percentage of indemnities attributed to specific hazards, by crops, 1948–2018—Continued

Crop	Year	Drought heat (excess)	Hail	Precip. (excess poor drainage)	Frost freeze, (other cold damage)	Flood	Cyclone, tornado, wind, hot wind	Insects	Disease	Decline in price	Other
		Percent									
Flue cured tobacco	1997-2018	30	4	31	2	0	18	0	14	0	0
Forage production	1979-2018	68	2	7	21	0	0	1	0	0	0
Forage seeding	1978-2018	27	0	20	49	1	2	0	0	0	0
Fresh:											
Apricots	1997-2018	8	15	25	48	0	3	0	0	0	0
Freestone peaches	1997-2018	11	19	21	45	0	3	0	0	0	0
Market beans	2000-2018	3	0	58	13	0	17	2	7	0	0
Market sweet corn	1985-2018	11	2	36	30	0	17	1	1	0	2
Market tomatoes	1984-2018	6	4	45	27	0	10	2	5	0	0
Nectarines	1997-2018	8	28	22	41	0	2	0	0	0	0
Plum	1990-1997	1	32	41	25	0	0	0	0	0	0
Grain sorghum	1959-2018	75	3	10	4	0	4	1	0	2	0
Grapefruit	1997-2018	5	1	1	11	0	82	0	0	0	0
Grapefruit trees	2000-2014	0	0	7	5	0	13	0	0	0	75
Grapes	1967-2018	22	5	15	52	0	2	0	0	0	3
Grass Seed	2012-2018	46	2	50	3	0	0	0	0	0	0
Green peas	1962-2018	45	4	38	9	0	2	0	1	0	0
Hybrid corn seed	1983-2018	57	5	21	2	2	11	0	1	0	0
Hybrid seed rice	2017-2018	75	0	25	0	0	0	0	0	0	0
Hybrid sorghum seed	1988-2018	25	20	8	18	0	28	0	0	0	0
Hybrid sweet corn seed	2018	100	0	0	0	0	0	0	0	0	0
Late oranges	1998-2018	0	11	26	23	0	40	0	0	0	0
Lemon trees	2005-2018	0	0	0	0	0	100	0	0	0	0
Lemons	1997-2018	17	1	2	75	0	4	0	0	0	0
Lime trees	1998-2005	0	0	0	1	0	0	0	0	0	99
Macadamia nuts	1996-2018	73	0	7	8	0	4	5	0	0	2
Macadamia trees	2000-2012	0	0	56	0	0	36	0	0	0	8
Mandarins	1997-2014	18	2	1	76	0	4	0	0	0	0
Mandarins/ tangerines	2015-2018	62	1	5	24	0	8	0	0	0	0
Mango trees	1997-2010	0	0	8	2	0	90	0	0	0	0
Maryland tobacco	1997-2018	58	8	7	4	0	6	0	17	0	0
Millet	1996-2018	67	18	11	2	0	1	0	0	0	0
Minneola tangelos	1998-2014	12	1	6	78	0	3	0	0	0	0
Mint	2000-2018	35	3	24	32	1	2	1	2	0	0
Mustard	1999-2018	51	19	21	4	0	4	1	0	0	0
Navel oranges	1998-2014	20	2	3	74	0	1	0	0	1	0
Nursery (container)	1987-1999	9	1	18	19	11	21	8	14	0	0
Nursery (fg&c)	2001-2018	1	6	4	12	4	70	3	1	0	0
Oats	1956-2018	57	10	24	5	0	2	1	1	0	0
Olives	2012-2018	23	2	9	60	0	6	0	0	0	0
Onions	1988-2018	21	7	44	10	1	2	0	14	0	0
Orange trees	1996-2018	0	0	6	5	0	29	0	0	0	60
Oranges	1958-2018	14	1	1	18	0	66	0	0	0	0
Orlando tangelos	1998-2012	0	0	0	100	0	0	0	0	0	0
Papaya	2007-2018	0	0	11	0	0	13	4	50	0	21
Papaya tree	2014-2018	0	0	20	3	0	24	0	22	0	31
Pastures/Rangeland forage	2007-2018	0	0	0	0	0	0	0	0	0	100
Peaches	1957-2018	3	13	2	77	0	0	0	0	0	4
Peanuts	1962-2018	66	0	20	2	0	4	0	5	0	1
Pears	1989-2018	21	22	10	42	0	2	0	2	0	0
Pecans	1998-2018	14	5	15	22	0	39	0	2	2	0
Peppers	1984-2018	1	4	59	20	0	14	0	2	0	0
Pistachios	2012-2018	87	0	7	4	0	2	0	0	0	0
Plums	1998-2018	15	24	19	39	0	3	0	0	0	0
Popcorn	1984-2018	41	21	23	6	2	3	0	1	3	0
Potatoes	1962-2018	23	5	42	15	1	2	0	11	0	0
Processing:											
Apricots	1997-2018	10	6	33	47	0	4	0	0	0	0
Beans	1988-2018	44	7	39	5	0	3	0	2	0	0
Cling peaches	1997-2018	21	13	30	34	0	2	0	0	0	0
Cucumbers	2000-2005	33	3	49	5	0	1	2	7	0	0
Freestone	1998-2018	22	6	23	47	0	1	0	0	0	0
Prunes	1986-2018	39	3	29	19	0	10	0	0	0	0
Pumpkins	2009-2018	11	0	62	25	0	0	0	1	1	0
Raisins	1961-2015	0	0	100	0	0	0	0	0	0	0
Rangeland	1999-2008	0	0	0	0	0	0	0	0	0	100
Raspberry and blackberry	2002-2006	9	0	5	60	0	26	0	0	0	0

See note(s) at end of table.

Table 10-1.—Crop losses: Average percentage of indemnities attributed to specific hazards, by crops, 1948–2018—Continued

Crop	Year	Drought heat (excess)	Hail	Precip. (excess poor drainage)	Frost freeze, (other cold damage)	Flood	Cyclone, tornado, wind, hot wind	Insects	Disease	Decline in price	Other
		Percent									
Revenue coverage corn	1996	5	35	47	4	7	1	0	0	0	0
Revenue coverage soybeans	1996	7	22	51	5	12	0	0	2	0	0
Rice	1960-2018	26	0	54	4	4	6	0	2	3	1
Rio red & star ruby	1998-2018	0	5	32	32	0	31	0	0	0	0
Ruby red grapefruit	1998-2018	0	11	40	17	0	32	0	0	0	0
Rye	1980-2018	40	14	27	18	0	1	0	0	0	0
Safflower	1964-2018	55	5	17	12	0	7	2	2	0	0
Sesame	2011-2018	55	2	33	3	0	5	0	0	0	1
Silage sorghum	2005-2018	78	7	2	2	0	11	0	0	0	0
Soybeans	1955-2018	44	7	33	4	3	1	0	0	8	0
Special citrus	1992-1994	7	13	0	80	0	0	0	0	0	0
Stonefruit	1988-1996	3	12	59	19	0	2	0	0	0	4
Strawberries	2000-2015	27	1	30	23	0	0	2	17	0	0
Sugar beets	1965-2018	12	5	48	20	1	6	1	8	0	0
Sugarcane	1967-2018	28	0	16	35	1	8	3	8	0	1
Sunflowers	1976-2018	25	8	48	7	0	3	2	3	2	2
Sweet corn	1978-2018	50	2	26	16	0	4	0	1	0	1
Sweet oranges	1998-2014	20	0	6	69	0	3	0	0	0	0
Sweet potatoes	1998-2018	34	0	50	0	0	12	3	0	0	1
Table grapes	1984-2018	44	8	24	22	0	1	0	1	0	0
Tangelos	1997-2018	32	4	2	34	0	29	0	0	0	0
Tangors	2014-2018	0	0	0	1	0	99	0	0	0	0
Tobacco	1948-1996	32	10	32	2	1	11	0	11	0	1
Tomatoes	1963-2018	35	2	41	9	1	2	3	8	0	0
Triticale	2018	40	9	0	51	0	0	0	0	0	0
Tung Nuts	1965-1970	0	0	0	100	0	0	0	0	0	0
Valencia oranges	1998-2014	20	2	2	71	0	3	0	0	0	0
Walnuts	1984-2018	30	6	31	28	1	4	0	0	0	0
Watermelons	1999	22	2	11	5	0	7	0	48	0	6
Wheat	1948-2018	45	11	21	13	0	3	0	2	3	0
Whole Farm Revenue Protection	2015-2018	23	7	19	11	0	4	0	1	33	0
Winter squash	1999-2005	30	5	57	1	5	0	0	0	0	3

GRP crops do not have any specific cause of loss.
RMA, Requirements, Analysis and Validation Branch, (816) 926–7910.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2016–2018

Commodity and year	Coverage				Amount of premium	Indemnities		
	County programs	Insured units	Area insured	Maximum insured production		Number	Area indemnified	Amount
	Number	*Number*	*1,000 acres*	*1,000 dollars*	*1,000 dollars*		*1,000 acres*	*1,000 dollars*
Alfalfa seed:								
2016	24	576	46	65,029	4,615	261	14	10,515
2017	32	711	52	76,116	5,126	312	18	17,394
2018	35	661	43	54,273	3,974	101	9	4,771
All other citrus trees:								
2016	28	413	0	42,941	646	0	0	0
2017	28	292	0	36,871	523	1	0	2
2018	28	234	0	36,180	489	45	0	1,871
All other grapefruit:								
2016	3	0	0	0	0	0	0	0
2017	3	0	0	0	0	0	0	0
Almonds:								
2016	32	6,406	750	3,578,744	135,458	513	37	47,313
2017	32	6,424	757	2,576,363	95,462	622	44	36,336
2018	32	6,730	787	2,133,738	64,990	942	67	45,988
Annual Forage:								
2016	711	1,589	175	37,946	7,894	1,177	0	6,510
2017	744	2,967	481	134,038	33,835	578	0	4,842
2018	744	3,936	643	150,821	36,977	1,448	0	41,006
Apiculture:								
2016	2,059	8,618	0	118,332	24,486	2,782	0	11,311
2017	2,059	9,901	0	115,519	25,870	5,673	0	29,928
2018	3,069	7,706	0	166,403	35,815	4,168	0	30,245
Apples:								
2016	600	7,231	226	1,162,390	114,892	1,703	31	105,313
2017	600	7,104	225	1,279,420	120,104	1,737	32	91,468
2018	600	7,398	228	1,400,208	123,084	997	13	44,480
Avocado trees:								
2016	1	154	0	27,182	960	0	0	0
2017	1	153	0	30,708	1,111	0	0	0
2018	1	129	0	24,734	806	113	0	7,858
Avocados:								
2016	7	1,028	35	78,597	5,671	150	0	2,128
2017	7	1,012	34	83,021	5,552	337	1	13,266
2018	8	1,027	33	80,503	5,107	136	3	3,939
Banana tree:								
2016	4	1	0	512	14	0	0	0
2017	4	0	0	0	0	0	0	0
2018	4	2	0	508	14	0	0	0
Bananas:								
2016	4	2	0	32	1	0	0	0
2017	4	2	0	764	4	0	0	0
2018	4	4	0	1,177	26	0	0	0
Barley:								
2016	5,331	16,453	2,174	428,646	58,886	2,799	353	28,425
2017	5,379	13,263	1,679	314,929	39,465	3,872	415	29,888
2018	5,379	12,020	1,585	295,015	36,122	2,114	218	18,327
Blueberries:								
2016	161	1,304	64	224,638	12,899	277	6	12,729
2017	169	1,286	67	222,415	13,780	619	18	40,316
2018	171	1,373	69	248,251	16,511	494	17	31,411
Buckwheat:								
2016	32	95	8	1,450	257	7	1	69
2017	32	86	9	1,399	262	10	1	77
2018	22	120	10	1,748	298	37	3	297
Burley tobacco:								
2016	497	5,851	67	177,606	31,053	3,906	51	86,067
2017	497	5,810	69	179,565	35,348	3,555	49	78,401
2018	497	4,364	51	132,469	23,189	2,318	31	48,391
Cabbage:								
2016	29	313	14	29,395	2,096	72	2	2,397
2017	31	341	15	32,109	2,210	62	2	1,8391
2018	31	314	13	31,073	2,165	67	2	1,953
Camelina:								
2016	52	1	0	13	4	0	0	0
2017	52	2	0	16	3	0	0	0
2018	52	0	0	0	0	0	0	0
Canola:								
2016	966	11,752	1,644	313,339	60,723	1,525	189	16,474
2017	1,005	13,777	1,990	399,943	80,852	5,024	682	57,861
2018	1,005	12,296	1,890	420,865	83,959	2,361	314	27,340

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2016–2018—Continued

Commodity and year	Coverage				Amount of premium	Indemnities		
	County programs	Insured units	Area insured	Maximum insured production		Number	Area indemnified	Amount
	Number	*Number*	*1,000 acres*	*1,000 dollars*	*1,000 dollars*		*1,000 acres*	*1,000 dollars*
Carambola trees:								
2016	2	9	0	1,764	62	0	0	0
2017	2	10	0	1,834	65	0	0	0
2018	2	9	0	2,772	101	5	0	87
Cattle:								
2016	20	14	0	1,924	66	10	0	128
2017	20	38	0	17,432	683	3	0	11
2018	20	9	0	964	42	5	0	32
Cherries:								
2016	64	3,457	87	488,631	50,028	1,230	25	61,611
2017	64	3,428	84	487,158	56,107	964	21	42,700
2018	64	3,491	84	493,985	61,135	960	23	48,014
Chile Peppers:								
2016	3	22	2	1,028	50	1	0	13
2017	3	17	2	739	29	0	0	0
2018	3	11	1	457	14	0	0	0
Cigar binder tobacco:								
2016	21	318	3	15,766	4,473	19	0	565
2017	21	355	3	19,093	5,213	82	1	2,634
2018	21	389	3	25,294	7,162	63	0	1,573
Cigar filler tobacco:								
2016	3	11	0	228	3	0	0	0
2017	3	11	0	291	5	0	0	0
2018	3	11	0	331	5	1	0	4
Cigar wrapper tobacco:								
2016	5	7	0	1,917	222	6	0	515
2017	5	10	0	1,387	179	1	0	286
2018	5	13	0	1,381	175	0	0	0
Clams:								
2016	9	48	0	15,285	373	5	0	108
2017	9	66	0	14,062	367	0	0	0
2018	9	61	0	17,652	485	23	0	1,589
Clary sage:								
2016	4	139	18	12,576	1,351	50	7	1,702
2017	4	199	22	15,356	1,671	77	7	1,670
2018	4	154	13	8,172	883	26	1	216
Coffee:								
2016	4	112	4	15,933	428	37	0	459
2017	4	105	4	16,816	413	23	0	128
2018	4	123	4	19,519	424	11	0	314
Coffee tree:								
2016	4	40	0	21,347	78	0	0	0
2017	4	67	0	20,944	85	0	0	0
2018	4	31	0	18,967	71	0	0	0
Corn:								
2016	17,208	715,137	82,239	39,617,158	3,537,797	97,640	9,539	952,897
2017	17,232	677,695	78,901	39,434,353	3,453,907	137,711	12,529	1,267,011
2018	18,722	655,855	78,139	40,314,289	3,160,243	105,161	11,146	1,318,381
Cotton:								
2016	5,922	133,312	9,458	3,345,135	652,814	29,016	3,731	359,785
2017	5,922	153,339	11,733	4,951,525	935,122	42,911	6,474	650,449
2018	5,938	169,187	13,174	5,712,888	1,136,089	54,772	10,951	1,352,518
Cotton exlong staple:								
2016	58	1,152	248	216,052	25,068	455	131	61,469
2017	58	1,228	253	298,072	21,070	261	50	16,093
2018	58	1,047	248	208,707	15,701	199	48	20,668
Cranberries:								
2016	30	659	33	112,398	3,253	53	1	1,443
2017	30	642	32	111,701	3,236	86	3	3,432
2018	30	606	31	102,716	2,682	49	1	1,929
Cucumbers:								
2016	55	431	28	19,237	1,614	157	10	2,480
2017	72	387	25	17,703	1,511	72	4	1,050
2018	72	324	21	15,065	1,304	78	4	1,577
Cultivated wild rice:								
2016	22	97	27	26,164	1,336	4	0	98
2017	22	102	25	24,906	1,301	8	1	359
2018	11	80	22	13,840	796	9	1	175

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2016–2018—Continued

Commodity and year	Coverage				Amount of premium	Indemnities		
	County programs	Insured units	Area insured	Maximum insured production		Number	Area indemnified	Amount
	Number	*Number*	*1,000 acres*	*1,000 dollars*	*1,000 dollars*		*1,000 acres*	*1,000 dollars*
Dairy cattle:								
2016	48	1,046	0	299,649	7,153	395	0	8,719
2017	48	1,080	0	303,454	6,533	461	0	4,951
2018	48	1,370	0	319,088	6,131	387	0	3,910
Dark air tobacco:								
2016	59	805	4	18,503	751	501	3	6,102
2017	59	973	6	27,382	1,315	155	1	2,652
2018	59	1,092	9	38,527	1,860	232	4	9,388
Dry beans:								
2016	938	13,416	1,220	398,679	55,834	3,373	311	59,818
2017	938	14,308	1,345	527,025	74,056	3,135	247	42,040
2018	940	11,263	1,082	419,077	56,568	1,870	169	29,913
Dry Peas:								
2016	725	16,381	2,400	444,950	75,608	2,829	399	37,907
2017	725	16,752	2,593	480,369	85,658	8,961	1,447	128,614
2018	725	14,172	2,258	443,844	78,944	4,045	721	75,559
Early and Midseason oranges:								
2016	3	181	4	3,590	143	28	0	96
2017	3	175	4	3,750	148	31	0	143
Fed cattle:								
2016	37	236	0	32,643	1,315	126	0	1,106
2017	37	221	0	23,053	993	20	0	74
2018	37	128	0	13,328	473	23	0	57
Feeder cattle:								
2016	38	1,852	0	159,594	6,154	1,345	0	8,685
2017	38	2,559	0	173,357	7,853	449	0	1,791
2018	38	1,385	0	110,163	4,036	596	0	2,260
Figs:								
2016	4	56	4	7,081	265	2	0	110
2017	4	70	5	8,220	254	2	0	130
2018	4	60	4	8,241	225	2	0	133
Fired cured tobacco:								
2016	63	1,315	12	67,518	3,345	627	6	18,237
2017	63	1,474	15	87,470	5,065	253	3	7,890
2018	63	1,519	16	88,939	5,262	205	3	6,833
Flax:								
2016	265	3,432	339	38,247	5,462	438	41	2,207
2017	265	2,658	261	31,799	4,720	1,460	145	7,852
2018	265	1,713	177	23,938	3,974	378	36	2,265
Flue cured tobacco:								
2016	291	11,750	210	666,273	56,540	4,465	86	131,728
2017	291	11,475	206	638,033	61,882	3,492	66	95,645
2018	291	11,686	205	657,775	69,268	5,319	119	215,500
Forage production:								
2016	1,404	17,893	2,447	446,137	38,824	4,923	846	36,320
2017	1,404	15,935	2,222	277,277	25,828	6,969	1,112	44,962
2018	1,404	14,905	2,108	261,146	25,916	1,838	174	9,668
Forage seeding:								
2016	589	3,743	167	28,623	3,871	1,515	62	6,876
2017	590	3,068	151	25,507	3,238	1,065	52	5,181
2018	590	3,556	176	31,942	3,779	100	8	842
Fresh apricots:								
2016	29	136	3	10,645	1,395	13	0	369
2017	29	130	3	12,292	1,654	43	1	1,899
2018	29	125	3	11,484	1,378	38	1	1,620
Fresh freestone peaches:								
2016	25	709	17	58,519	1,484	47	0	445
2017	25	695	19	68,755	1,625	96	1	1,521
2018	25	713	19	79,585	2,152	76	1	1,200
Fresh market beans:								
2016	15	27	4	2,192	193	16	2	538
2017	15	26	5	3,441	378	4	1	151
2018	15	26	6	4,117	494	10	3	440
Fresh market sweet corn:								
2016	230	688	48	48,107	3,513	108	4	2,513
2017	230	622	49	45,647	3,374	86	4	2,988
2018	230	609	47	45,411	3,236	119	4	2,582
Fresh market tomatoes:								
2016	57	521	33	122,698	13,060	173	5	12,273
2017	57	455	31	120,434	12,636	151	4	12,711
2018	59	408	29	103,266	10,490	184	4	15,134

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2016–2018—Continued

Commodity and year	Coverage				Amount of premium	Indemnities		
	County programs	Insured units	Area insured	Maximum insured production		Number	Area indemnified	Amount
	Number	*Number*	*1,000 acres*	*1,000 dollars*	*1,000 dollars*		*1,000 acres*	*1,000 dollars*
Fresh nectarines:								
2016	24	750	15	55,022	3,250	46	0	388
2017	24	705	15	58,196	3,322	131	2	2,015
2018	24	680	14	59,063	3,485	114	2	3,003
Grain sorghum:								
2016	7,074	72,593	5,374	843,596	189,739	11,905	947	50,348
2017	7,074	54,424	4,141	679,140	150,553	9,964	812	49,749
2018	7,077	54,690	4,191	714,046	151,817	13,655	1,309	84,629
Grapefruit:								
2016	41	764	41	73,188	3,655	31	0	637
2017	53	668	37	54,735	2,383	147	15	5,219
2018	56	898	45	68,103	4,798	359	28	26,321
Grapefruit trees:								
2016	31	1,117	0	178,972	4,591	0	0	0
2017	31	1,019	0	163,430	3,972	0	0	0
2018	31	960	0	165,959	4,196	47	0	3,573
Grapes:								
2016	200	17,047	571	1,450,130	50,193	1,381	26	20,219
2017	200	16,675	572	1,505,936	49,784	2,173	49	43,330
2018	226	16,868	557	1,569,776	51,179	1,076	18	21,860
Grass seed:								
2016	20	134	50	11,860	1,220	9	2	273
2017	20	106	29	7,134	620	12	1	208
2018	20	96	32	8,862	628	9	2	262
Green peas:								
2016	321	1,764	126	59,681	6,254	546	37	8,793
2017	321	1,624	117	56,858	6,490	402	31	7,723
2018	321	1,570	118	55,071	6,642	726	51	10,373
Hybrid corn seed:								
2016	458	5,628	377	276,506	17,177	344	19	4,877
2017	462	5,769	382	300,169	17,751	243	15	2,601
2018	462	4,618	310	245,713	13,255	150	13	2,058
Hybrid seed rice:								
2016	50	132	14	16,238	1,431	59	5	1,950
2017	50	160	17	18,125	1,486	11	3	59
2018	50	246	19	26,058	2,335	83	10	5,591
Hybrid sorghum seed:								
2016	52	356	21	8,604	1,024	68	4	966
2017	52	346	25	9,057	04	46	3	684
2018	52	438	32	13,898	1,265	46	2	606
Hybrid sweet corn seed:								
2016	15	0	0	0	0	0	0	0
2017	15	0	0	0	0	0	0	0
2018	16	111	2	2,502	234	0	0	0
Lamb:								
2016	28	115	0	16,194	359	58	0	101
2017	28	88	0	18,223	842	79	0	3,347
2018	28	282	0	50,139	1,430	267	0	5,582
Late oranges:								
2016	3	95	1	1,555	251	10	0	38
2017	3	62	1	1,102	125	4	0	27
Lemon trees:								
2016	4	0	0	0	0	0	0	0
2017	2	0	0	0	0	0	0	0
2018	3	8	0	1,297	29	3	0	410
Lemons:								
2016	19	852	44	136,387	7,777	21	0	1,115
2017	34	859	44	153,560	9,540	22	1	1,881
2018	34	861	43	161,163	11,541	38	2	1,943
Lime trees:								
2016	6	3	0	612	15	0	0	0
2017	5	5	0	927	17	0	0	0
2018	5	4	0	985	16	0	0	0
Macadamia nuts:								
2016	3	103	12	18,233	411	6	1	503
2017	3	39	12	17,289	220	8	1	818
2018	3	54	12	18,035	244	0	0	0
Macadamia trees:								
2016	3	36	12	51,390	362	0	0	0
2017	3	50	12	51,874	298	0	0	0
2018	3	53	12	52,808	308	0	0	0
Mandarins/ Tangerines:								
2016	41	1,001	44	228,534	21,456	78	0	11,814
2017	53	989	48	265,366	23,135	55	3	4,109
2018	53	1,045	50	302,866	24,519	175	7	10,591

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2016–2018—Continued

Commodity and year	Coverage				Amount of premium	Indemnities		
	County programs	Insured units	Area insured	Maximum insured production		Number	Area indemnified	Amount
	Number	*Number*	*1,000 acres*	*1,000 dollars*	*1,000 dollars*		*1,000 acres*	*1,000 dollars*
Mango trees:								
2016	1	13	0	531	20	0	0	0
2017	1	20	0	837	33	0	0	0
2018	1	20	0	876	32	14	0	217
Maryland tobacco:								
2016	6	1	0	1	0	1	0	1
2017	6	0	0	0	0	0	0	0
2018	6	0	0	0	0	0	0	0
Millet:								
2016	138	4,381	348	24,172	5,666	926	80	2,635
2017	138	4,266	348	20,279	4,876	1,171	96	3,115
2018	138	4,019	329	21,888	5,500	1,071	95	3,273
Mint:								
2016	48	345	22	20,884	1,074	85	3	952
2017	48	270	19	16,947	856	67	3	1,211
2018	48	246	17	15,951	747	61	3	636
Mustard:								
2016	75	468	68	9,310	2,322	93	16	1,513
2017	75	318	63	6,083	1,683	154	26	1,418
2018	75	308	48	5,700	1,529	87	10	763
Nursery (FG&C):								
2016	2,799	2,666	0	1,376,494	25,286	52	0	5,909
2017	2,799	2,418	0	1,255,929	23,719	26	0	2,525
2018	2,799	2,466	0	1,402,702	26,315	538	0	97,077
Oats:								
2016	2,805	8,956	435	42,230	7,479	1,944	98	5,450
2017	2,805	8,499	436	42,134	7,554	3,390	194	12,900
2018	2,805	7,767	400	39,863	6,730	1,496	69	4,263
Olives:								
2016	13	440	25	29,408	2,942	71	3	1,425
2017	13	429	24	36,373	3,614	16	1	516
2018	17	373	22	35,632	3,546	257	13	15,838
Onions:								
2016	176	1,761	109	214,441	38,856	703	25	33,301
2017	176	1,714	101	218,824	39,824	687	24	32,080
2018	178	1,913	104	238,162	45,147	751	26	39,445
Orange trees:								
2016	31	2,774	0	1,217,465	14,222	1	0	94
2017	31	2,331	0	1,077,818	12,244	0	0	0
2018	31	1,997	0	1,128,054	11,945	214	0	24,840
Oranges:								
2016	48	6,703	469	661,107	30,784	291	0	5,585
2017	63	6,079	438	639,252	29,343	236	6	3,443
2018	66	6,386	417	582,416	26,829	1,752	180	76,198
Oysters:								
2017	9	0	0	0	0	0	0	0
2018	9	0	0	0	0	0	0	0
Papaya:								
2016	4	30	0	1,111	27	7	0	49
2017	4	36	0	1,340	32	1	0	41
2018	4	19	0	904	23	1	0	105
Papaya tree:								
2016	4	10	0	331	5	0	0	0
2017	4	15	0	403	5	3	0	40
2018	4	6	0	303	4	2	0	63
Pasture/Rangeland/Forage:								
2016	3,069	118,282	51,786	1,390,717	280,761	45,194	0	178,756
2017	3,069	140,673	74,933	1,744,688	380,370	64,209	0	341,230
2018	3,069	159,684	98,331	2,376,797	520,004	64,828	0	499,150
Peaches:								
2016	383	1,408	32	82,294	21,528	526	9	13,364
2017	383	1,406	31	81,985	22,494	748	20	44,018
2018	383	1,405	32	82,276	24,251	417	12	17,657
Peanuts:								
2016	2,103	24,304	1,411	690,666	67,271	6,695	338	84,735
2017	2,139	27,982	1,644	859,322	71,493	4,983	255	60,161
2018	2,139	22,591	1,302	643,484	55,032	4,626	232	54,317
Pears:								
2016	29	1,906	33	148,782	3,428	140	3	2,895
2017	29	1,945	33	178,009	4,224	191	3	4,644
2018	29	1,809	33	134,668	2,843	123	2	2,022
Pecan trees:								
2018	233	18	0	5,204	25	0	0	0
Pecans:								
2016	138	1,802	159	277,246	15,852	251	14	8,227
2017	138	1,823	163	286,176	16,314	190	15	6,060
2018	139	1,887	166	314,426	17,198d	643	50	50,030
Peppers:								
2016	13	129	6	25,384	3,225	56	2	4,850
2017	13	127	6	26,651	3,643	52	2	8,024
2018	13	123	5	19,960	2,834	50	2	6,810

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2016–2018—Continued

Commodity and year	Coverage				Amount of premium	Indemnities		
	County programs	Insured units	Area insured	Maximum insured production		Number	Area indemnified	Amount
	Number	*Number*	*1,000 acres*	*1,000 dollars*	*1,000 dollars*		*1,000 acres*	*1,000 dollars*
Pistachios:								
2016	24	764	138	899,211	47,242	23	2	1,877
2017	24	806	146	377,099	20,628	138	26	13,404
2018	24	929	168	558,733	42,995	20	2	1,587
Plums:								
2016	23	698	12	37,107	3,906	114	1	1,286
2017	23	663	13	39,752	3,899	127	2	2,125
2018	23	613	12	40,064	3,929	88	1	1,557
Popcorn:								
2016	3,273	2,207	224	136,597	10,269	317	30	2,750
2017	3,297	1,965	200	124,931	8,765	366	34	3,894
2018	3,297	1,852	189	116,433	7,401	130	11	2,235
Potatoes:								
2016	531	5,552	767	1,088,727	80,975	932	68	47,618
2017	531	5,087	724	1,087,631	80,821	503	34	30,290
2018	531	5,068	739	1,122,516	85,126	733	47	42,110
Processing apricots:								
2016	13	59	3	6,465	944	19	1	1,595
2017	13	61	3	6,946	1,055	15	0	1,003
2018	13	62	3	5,894	840	24	1	1,483
Processing beans:								
2016	252	1,505	93	47,094	4,451	383	20	4,900
2017	258	1,392	88	46,973	4,499	240	11	3,655
2018	258	1,391	89	43,703	4,583	395	22	5,171
Processing cling peaches:								
2016	10	841	14	53,104	1,977	58	2	2,231
2017	10	835	14	59,892	2,344	75	1	1,370
2018	10	783	13	51,718	1,905	105	1	1,466
Processing freestone:								
2016	8	96	2	11,727	328	2	0	68
2017	8	97	2	11,516	277	7	0	293
2018	8	91	2	10,280	289	7	0	218
Prunes:								
2016	28	723	40	114,396	24,624	564	28	55,134
2017	28	722	40	109,723	23,759	123	7	7,561
2018	28	686	39	94,170	21,272	261	14	17,049
Pumpkins:								
2016	22	216	10	6,700	418	26	1	322
2017	22	201	10	6,675	462	68	4	1,291
2018	22	138	6	3,874	282	8	0	83
Raisins:								
2016	7	2,156	0	173,866	6,570	18	0	97
2017	7	1,816	0	95,891	3,051	661	0	3,158
2018	7	1,630	0	154,798	4,703	0	0	0
Rice:								
2016	999	21,409	2,746	1,697,576	87,683	5,074	606	106,562
2017	99	18,621	2,385	1,261,083	75,293	4,900	645	181,410
2018	1,089	21,322	2,549	1,662,974	87,440	3,039	438	73,079
Rio Red & Star Ruby:								
2016	3	324	12	16,383	2,230	74	0	893
2017	3	313	12	16,686	2,319	43	1	609
Ruby red grapefruit:								
2016	3	46	1	529	57	13	0	58
2017	3	39	1	433	49	9	0	34
Rye:								
2016	89	687	56	6,044	1,098	185	12	797
2017	89	406	36	2,948	511	150	12	730
2018	89	483	35	3,446	614	209	13	682
Safflower:								
2016	164	590	110	11,651	2,113	85	15	1,126
2017	164	594	108	10,710	1,731	173	25	1,622
2018	164	556	102	11,322	1,738	105	16	711

See footnote(s) at end of table.

Table 10-2.—Crop insurance programs: Coverage, amount of premiums and indemnities, by crops, United States, 2016–2018—Continued

Commodity and year	Coverage				Amount of premium	Indemnities		
	County programs	Insured units	Area insured	Maximum insured production		Number	Area indemnified	Amount
	Number	*Number*	*1,000 acres*	*1,000 dollars*	*1,000 dollars*		*1,000 acres*	*1,000 dollars*
Sesame:								
2016	102	232	18	1,766	427	70	4	240
2017	102	322	21	1,865	614	154	8	471
2018	102	708	58	6,226	1,833	330	24	2,072
Silage Sorghum:								
2016	194	548	51	11,532	1,621	36	3	366
2017	194	542	47	11,055	1,321	51	3	395
2018	194	626	59	14,594	1,743	100	11	1,400
Soybeans:								
2016	14,187	687,248	73,345	22,180,248	1,852,617	74,423	5,532	384,159
2017	14,265	701,017	79,877	28,412,148	2,556,295	125,772	11,203	766,417
2018	15,790	671,403	78,808	28,871,455	2,243,048	154,023	15,712	1,200,895
Strawberries:								
2016	6	17	1	22,048	971	0	0	0
2017	7	5	0	4,883	89	0	0	0
2018	7	3	0	4,345	206	0	0	0
Sugar beets:								
2016	239	13,784	1,025	922,789	50,574	1,823	115	37,729
2017	239	13,142	992	848,902	46,772	772	47	9,196
2018	120	14,011	1,040	817,279	41,518	919	55	10,115
Sugarcane:								
2016	62	5,647	782	263,586	3,962	142	6	1,082
2017	62	4,739	767	320,765	5,861	116	5	904
2018	62	4,793	789	357,649	6,717	65	4	859
Sunflowers:								
2016	1,794	8,238	1,436	269,022	46,963	1,601	199	20,568
2017	1,794	6,846	1,223	245,674	47,147	1,771	249	27,658
2018	1,806	5,776	1,146	216,748	42,846	1,373	234	21,039
Sweet corn:								
2016	332	2,477	199	85,358	4,399	322	23	5,745
2017	332	2,388	199	90,157	4,397	231	16	4,340
2018	332	2,345	197	86,060	4,230	402	26	4,192
Sweet potatoes:								
2016	9	27	9	7,510	729	4	2	1,141
2017	9	23	7	8,296	987	2	1	385
2018	9	20	7	6,334	638	3	0	978
Swine:								
2016	85	152	0	22,360	945	106	0	1,881
2017	85	190	0	22,732	1,144	41	0	296
2018	85	126	0	18,649	767	61	0	1,301
Table grapes:								
2016	10	1,167	77	311,440	9,162	135	3	6,616
2017	10	1,177	77	326,337	9,303	238	6	16,317
2018	10	1,212	76	355,595	11,236	165	4	15,268
Tangelos:								
2016	39	445	9	19,404	1,600	24	0	741
2017	49	382	8	20,811	1,586	36	1	626
2018	49	344	7	20,638	1,404	75	1	795
Tangerine trees:								
2016	3	12	9	383	17	0	0	0
2017	3	12	9	411	16	0	0	0
2018	3	13	9	381	14	0	0	0
Tangors:								
2016	29	211	5	9,900	504	2	0	43
2017	29	185	4	9,690	491	8	0	248
2018	29	140	3	7,180	359	107	3	4,948
Tomatoes:								
2016	148	2,896	263	605,722	13,850	130	12	8,481
2017	148	2,656	232	490,700	11,418	216	16	9,439
2018	148	2,694	240	512,868	10,855	99	8	4,086
Triticale:								
2018	116	196	23	2,702	309	49	3	157
Walnuts:								
2016	52	1,786	158	307,507	6,914	80	3	2,192
2017	52	1,835	158	249,532	5,985	182	8	3,973
2018	52	1,884	169	303,896	6,038	89	4	2,787
Wheat:								
2016	15,516	410,170	42,825	6,775,408	1,110,512	70,983	8,063	501,236
2017	15,522	344,492	37,246	5,891,036	893,160	85,003	10,655	751,605
2018	15,672	337,392	38,695	6,904,347	997,226	80,837	9,104	558,690
Whole Farm Revenue Protection:								
2016	3,140	2,205	0	2,333,659	118,731	693	0	174,230
2017	3,140	2,731	0	2,838,027	142,726	805	0	151,200
2018	3,140	2,482	0	2,662,284	137,952	108	0	4,795

RMA, Requirements, Analysis and Validation Branch, (816) 926–7910.

Table 10-3.—Farm real estate debt: Amount outstanding by lender, United States, Dec. 31, 2009–2018 [1]

Year	Farm Credit System	Farm Service Agency	Farmer Mac	Commercial banks [1]
	Billion dollars	*Billion dollars*	*Billion dollars*	*Billion dollars*
2009	69.1	2.6	2.1	44.2
2010	72.5	3.5	3.6	51.2
2011	75.3	3.3	3.8	52.9
2012	80.3	3.7	3.8	64.6
2013	85.3	3.7	4.5	68.9
2014	88.8	4.3	4.7	73.3
2015	96.7	4.9	4.8	79.2
2016	103.7	5.9	5.5	84.4
2017	107.7	6.1	6.3	88.7
2018	NA	NA	NA	NA

Year	Individuals and others [1]	Life insurance companies	Storage facility loans	Total farm mortgage debt
	Billion dollars	*Billion dollars*	*Billion dollars*	*Billion dollars*
2009	14.2	13.3	0.5	146.0
2010	10.2	12.4	0.6	154.1
2011	18.1	13.0	0.7	167.2
2012	8.7	11.5	0.7	173.4
2013	10.1	12.0	0.7	185.2
2014	12.5	12.4	0.8	196.8
2015	10.0	12.5	0.8	208.8
2016	12.5	13.2	0.7	226.0
2017	13.5	15.1	0.8	238.1
2018	NA	NA	NA	250.9

Data as of March 6, 2019.
[1] Beginning with 2012 estimates, farm sector debt held by savings associations is reported with the commercial bank lender group instead of the individuals and others grouping.
ERS, Farm Farm Income Team, (202) 694–5586. FarmIncomeTeam@ers.usda.gov. http://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics.aspx.

Table 10-4.—Nonreal estate farm debt: Amount outstanding, by lender, United States, Dec. 31, 2009–2018

Year	Commericial banks [1]	Farm Credit System	Farm Service Agency	Individuals and others [1]	Total nonreal estate debt
	Billion dollars	*Billion dollars*	*Billion dollars*	*Billion dollars*	*Billion dollars*
2009	57.2	39.0	3.3	22.9	122.4
2010	56.2	39.2	3.6	25.8	124.9
2011	59.2	41.1	3.5	23.5	127.3
2012	59.9	42.7	3.4	18.2	124.2
2013	63.7	44.0	2.8	19.6	130.2
2014	70.7	47.9	3.6	26.2	148.4
2015	73.2	48.3	3.7	22.8	148.0
2016	73.2	49.4	3.8	21.8	148.2
2017	73.3	51.2	4.0	26.6	155.0
2018	NA	NA	NA	NA	160.0

Data as of March 6, 2019.
[1] Beginning with 2012 estimates, farm sector debt held by savings associations is reported with the commercial bank lender group instead of the individuals and others grouping.
ERS, Farm Farm Income Team, (202) 694–5586. FarmIncomeTeam@ers.usda.gov. http://www.ers.usda.gov/data-products/farm-income-and-wealth-statistics.aspx.

Table 10-5.—Farm Service Agency: Loans made to individuals and associations for farming purposes, and amount outstanding, United States and Territories, 2009–2018 [1]

Year	Loans to individuals				
	Farm ownership			Soil and water	Recreation
	New borrowers	Loans made	Outstanding Jan. 1	Outstanding Jan. 1	Outstanding Jan. 1
	Number	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
2009	5,048	1,832,709	9,800,441	12,469	267
2010	6,281	2,308,813	10,875,039	10,364	4,632
2011	5,945	2,486,929	11,872,786	8,053	208
2012	4,976	2,029,778	12,498,221	6,585	191
2013	4,224	1,946,912	12,842,052	5,483	133
2014	7,418	3,012,450	13,768,000	4,617	102
2015	7,366	3,049,028	14,985,868	4,082	79
2016	7,849	3,487,629	16,560,650	3,579	64
2017	7,721	3,322,717	18,195,830	2,864	46
2018	8,094	3,264,634	19,666,568	2,333	45

Year	Loans to individuals					
	Operating			Emergency		
	New borrowers	Loans made	Outstanding Jan. 1	New borrowers	Loans made	Outstanding Jan. 1
	Number	*1,000 dollars*	*1,000 dollars*	*Number*	*1,000 dollars*	*1,000 dollars*
2009	11,778	2,611,248	6,500,532	177	30,401	726,370
2010	12,056	2,934,097	7,047,105	187	35,598	661,950
2011	10,064	2,285,131	6,953,778	176	32,610	578,846
2012	10,325	2,103,112	6,594,239	155	31,436	537,640
2013	10,685	1,960,150	6,254,820	224	23,340	479,869
2014	12,039	2,201,420	6,214,490	118	18,106	428,304
2015	12,564	2,616,666	6,352,898	82	13,383	385,951
2016	12,401	2,832,984	6,778,399	195	42,725	379,094
2017	13,022	2,650,932	7,135,916	55	15,131	343,455
2018	10,926	2,198,126	7,119,181	52	12,713	313,088

Year	Loans to associations			Economic opportunity individual loans	Economic emergency loans
	Indian tribe land acquisition	Grazing association	Irrigation, drainage, and soil conservation	Outstanding Jan. 1	Outstanding Jan. 1
	Outstanding Jan. 1	Outstanding Jan. 1	Outstanding Jan. 1		
	1,000 dollars				
2009	38,510	2,590	860	6	117,942
2010	34,306	2,232	707	6	100,515
2011	29,539	1,848	605	6	85,915
2012	25,112	1,618	511	6	76,843
2013	24,246	1,014	468	6	65,040
2014	19,825	798	284	6	57,053
2015	15,590	673	227	6	49,517
2016	11,619	408	181	5	42,545
2017	10,461	365	152	4	39,216
2018	9,227	326	121	4	33,651

[1] Includes loans made directly by FmHA and those guaranteed by the Agency. Amounts of loans made represent obligations and include loans to new borrowers and subsequent loans to borrowers who received an initial loan in a prior year. Amounts outstanding are loan advances less principal repayments for loans made directly by the Agency.

FSA, Loan Making Division, (202) 690–4006.

Table 10-6.—Loans to farmers' cooperative organizations: Outstanding amounts held by the agricultural credit bank classified by type of loan, United States, Jan. 1, 2009-2018

Year	Operating capital loans	Facility loans
	1,000 dollars	*1,000 dollars*
2009	11,769,457	32,780,415
2010	10,743,647	33,430,718
2011	10,871,732	35,413,410
2012	32,789,008	39,191,450
2013	32,449,687	41,153,688
2014	32,171,519	48,210,977
2015	35,316,639	53,723,941
2016	39,243,137	56,015,144
2017	35,681,814	63,583,691
2018	39,317,966	65,175,889

FCA, Office of Information Technology, (703) 883–4260.

Table 10-7.—Farmers' marketing, farm supply, and related service cooperatives: Number, memberships, and business volume, United States, 2009–2018

Year [1]	Cooperatives [2]				Estimated memberships [4]			
	Marketing	Farm supply	Related service [3]	Total	Marketing	Farm supply	Related service [3]	Total
	Number				*1,000 members*			
2009	1,277	992	121	2,390	754	1,448	35	2,237
2010	1,215	974	125	2,314	737	1,463	35	2,234
2011	1,222	935	128	2,285	846	1,398	36	2,279
2012	1,200	916	120	2,236	652	1,426	37	2,115
2013	1,195	871	120	2,186	655	1,284	37	1,977
2014	1,114	876	116	2,106	627	1,333	35	1,996
2015	1,079	874	94	2,047	591	1,296	34	1,921
2016	1,040	827	86	1,953	584	1,280	37	1,901
2017	1,010	777	84	1,871	604	1,251	35	1,890
2018	961	760	85	1,806	594	1,262	33	1,889

Year [1]	Marketing volume		Farm supply volume		Service Receipts [7]	Total marketing and farm supply volume and service receipts	
	Gross [5]	Net [6]	Gross [5]	Net [6]		Gross [5]	Net [6]
	Billion dollars						
2009	101.386	94.558	62.999	47.362	4.940	169.325	146.860
2010	103.031	95.756	63.842	47.118	4.930	171.803	147.805
2011	128.041	121.784	80.898	57.322	4.453	213.391	187.100
2012	140.900	133.200	92.200	64.700	4.700	237.800	202.600
2013	144.615	135.810	95.933	67.175	5.572	246.120	208.557
2014	147.731	138.340	92.624	65.638	6.315	246.670	210.293
2015	124.892	115.409	81.709	59.023	5.458	212.059	179.890
2016	114.587	108.603	71.048	51.589	5.440	191.075	165.632
2017	119.807	112.754	71.754	51,516	5.579	197.141	169.849
2018	126.333	118.962	71.728	53.634	5.753	203.814	178.349

[1] Reports of cooperatives are included for their fiscal year ending in calendar year. [2] Includes independent local cooperatives, centralized cooperatives, federations of cooperatives, and cooperatives with mixed organizational structures. Cooperatives are classified according to their major activity. If, for example, more than 50 percent of a cooperative's business is derived from marketing activities, it is included as a marketing cooperative. [3] Includes cooperatives whose major activity is providing services related to marketing and farm supply activities. [4] Includes members (those entitled to vote for directors) but does not include nonvoting patrons. (Some duplication exists because some farmers belong to more than one cooperative.) [5] Estimated gross business includes all business reported between cooperatives, such as the wholesale business of farm supply cooperatives with other cooperatives or terminal market sales for local cooperatives. [6] Estimated net business represents the value at the first level at which cooperatives transact business for farmers, adjusted for duplication resulting from intercooperative business. [7] Services related to marketing or purchasing but not included in the volumes reported for those activities, plus other operating and non-operating income and losses and extraordinary items.

Rural Development, Cooperative Programs, (202) 720-7395.

Table 10-8.—Farmers' cooperatives: Business volume of marketing, farm supply, and related service cooperatives, United States, 2017–2018

Item	Gross business		Net business [1]	
	2017	2018	2017	2018
	Billion dollars			
Products marketed:				
Beans and peas (dry edible)	0.275	0.225	0.272	0.218
Cotton and cotton products	2.956	3.549	2.900	3.420
Dairy products	42.338	40.835	39.417	37.887
Fish	0.219	0.239	0.219	0.239
Fruits and vegetables	8.256	9.391	6.418	7.531
Grain and oilseeds [2]	47.169	51.318	46.596	50.211
Livestock and livestock products	3.976	3.990	3.976	3.990
Nuts	1.588	1.725	1.588	1.725
Poultry products	0.710	1.796	0.710	1.796
Rice	1.523	1.694	1.523	1.694
Sugar products	5.478	5.941	4.247	4.964
Tobacco	0.321	0.340	0.321	0.340
Wool and mohair	0.009	0.012	0.009	0.012
Other products [3]	4.989	5.276	4.558	4.933
Total farm products	119.807	126.333	112.754	118.962
Supplies purchased:				
Crop protectants	10.821	8.941	6.970	6.208
Feed	11.005	11.859	8.938	9.905
Fertilizer	12.051	13.367	9.884	10.438
Petroleum	26.292	26.886	16.963	19.037
Seed	5.680	5.861	3.507	3.689
Other supplies [4]	5.905	4.814	5.254	4.356
Total farm supplies	71.754	71.728	51.516	53.634
Receipts for services: [5]				
Trucking, cotton ginning, storage, grinding, locker plants, miscellaneous	5.440	5.753	5.440	5.753
Total business	197.002	203.814	169.710	178.349

[1] Represents value at the first level at which cooperatives transact business for farmers; adjusted for inter-cooperative business. [2] Excludes oilseed meal and oil. Oilseed meal is included in feed sales while oil sales are included in other products sales. [3] Includes coffee, forest products, hay, hops, seed marketed for growers, nursery stock, other farm products not separately classified, and sales of farm products not received directly from member-patrons. Also includes manufactured food products and resale items marketed by cooperatives. [4] Includes automotive supplies, building material, chicks, containers, farm machinery and equipment, hardware, meats and groceries, and other supplies not separately classified. [5] Trucking, cotton ginning, storage, grinding, locker plants, and/or miscellaneous services related to marketing or purchasing but not included in the volume reported for those activities, plus other operating and non-operating income and losses and extraordinary items.

Rural Development, Cooperative Programs, (202) 720–7395.

Table 10-9.—Farmers' cooperatives: Number of cooperatives, memberships, and business volume of marketing, farm supply, and related service cooperatives, by State, United States and Foreign, 2017–2018

State	Cooperatives headquartered in State		Memberships in State [1]		Net business [2]	
	2017	2018	2017	2018	2017	2018
	Number	*Number*	*Number*	*Number*	*Million dollars*	*Million dollars*
Alabama	44	43	25,500	24,873	808.84	1,018.76
Arkansas	28	27	31,027	38,173	2,031.49	2,274.61
California	102	101	34,538	34,963	12,569.71	13,692.10
Colorado	25	25	17,849	18,702	2,174.24	2,526.49
Florida	24	23	18,258	21,082	2,260.42	2,364.74
Georgia	10	9	13,947	13,784	1,230.56	1,155.42
Hawaii	9	9	488	488	19.83	17.66
Idaho	21	20	12,896	13,449	2,407.56	2,303.20
Illinois	91	89	122,443	109,333	11,510.42	11,129.04
Indiana	29	26	57,420	49,953	3,750.11	3,891.75
Iowa	76	73	95,266	99,594	17,047.01	18,315.75
Kansas	77	75	96,298	104,930	6,987.48	6,869.97
Kentucky	20	20	160,955	161,973	1,361.59	1,403.25
Louisiana	27	25	9,410	7,731	1,608.10	1,320.14
Maine	21	21	5,488	5,574	280.46	277.22
Maryland	11	11	36,380	35,614	605.81	431.34
Massachusetts	7	7	4,716	4,959	283.26	342.86
Michigan	35	33	38,651	42,817	4,829.56	4,645.24
Minnesota	170	160	129,738	125,853	19,202.38	16,172.06
Mississippi	40	38	42,324	42,886	1,091.70	1,351.86
Missouri	54	50	93,657	93,482	5,188.49	4,972.42
Montana	41	42	22,444	18,768	2,098.14	1,408.91
Nebraska	38	38	58,154	60,174	8,080.10	8,318.59
New Jersey	10	11	1,608	1,715	249.90	313.13
New York	47	42	10,903	10,284	3,809.87	3,930.56
North Carolina	10	11	23,132	21,887	827.14	778.95
North Dakota	123	120	70,530	67,092	7,830.60	6,732.53
Ohio	34	33	39,847	39,060	4,849.47	4,808.19
Oklahoma	47	47	38,493	42,154	1,610.13	1,993.07
Oregon	26	24	26,624	29,422	4,398.51	3,596.39
Pennsylvania	27	24	12,828	12,471	2,837.07	3,107.33
South Dakota	65	63	58,812	55,687	6,156.81	5,108.20
Tennessee	57	57	67,622	66,935	1,766.41	1,318.92
Texas	158	157	71,829	75,180	5,690.99	5,865.18
Utah	10	10	10,284	9,299	895.66	737.35
Virginia	44	42	116,785	116,081	1,728.54	1,736.94
Washington	56	50	25,711	25,569	5,065.42	7,367.93
West Virginia	9	9	58,184	58,231	101.40	102.15
Wisconsin	107	100	102,540	102,182	8,896.87	8,765.69
Wyoming	7	7	4,151	4,765	533.54	437.99
Other States [3]	34	34	21,801	21,172	4,567.13	4,251.96
United States	1,871	1,806	1,889,529	1,888,340	169,242.72	167,155.87
Foreign [4]	.....	.....	528	561	606.73	11,193.54
Total	1,871	1,806	1,890,057	1,888,901	169,849.44	178,349.40

[1] Actual memberships in State. [2] Represents value at the first level at which cooperatives transact business for farmers; adjusted for inter-cooperative business. Totals may not add due to rounding. [3] Dollar volume or membership is not shown to avoid disclosing operations of individual cooperatives. [4] Sales outside the United States and sales of certain products not received directly from member-patrons.

Rural Development, Cooperative Programs, (202) 720–7395.

CHAPTER XI

STABILIZATION AND PRICE-SUPPORT PROGRAMS

The statistics in this chapter relate to activities of the Commodity Credit Corporation (CCC), loan and inventory acquisition and disposition programs, the CCC and Farm Service Agency payment programs, and marketing agreements and order programs for fruits and vegetables. Statistics for Federal Milk Marketing Order programs are contained in chapter VIII.

Table 11-1.—Commodity Credit Corporation: Price-supported commodities owned as of September 2018 [1] (Inventory quantity)

Year	Butter and butter oil	Corn	Sorghum and products	Milk and products	Rice and products [4]	Peanut and products
	Million pounds	*Million bushels*	*Million bushels*	*Million pounds*	*Million cwt*	*Million pounds*
2009	0	0	0	224	(2)	(2)
2010	(3)	0	(3)	7	(3)	0
2011	0	0	(3)	0	(2)	0
2012	0	0	0	0	0	0
2013	0	0	(3)	0	(3)	0
2014	0	0	0	0	(3)	4
2015	0	0	0	0	0	168
2016	0	0	0	0	0	0
2017	0	8	0	0	(3)	55
2018	0	2	(3)	0	0	133

Year	Beans, dry edible	Wheat	Blended Foods	Vegetable Oil Products	Value of all commodities owned
	Million bushels	*Million bushels*	*Million pounds*	*Million pounds*	*Million dollars*
2009	0	0	13	6	205
2010	(5)	(2)	16	5	48
2011	(2)	0	16	33	53
2012	0	0	2	12	14
2013	0	0	25	23	71
2014	0	0	18	32	40
2015	0	2	13	23	55
2016	0	0	27	10	24
2017	0	0	0	21	35
2018	0	0	12	15	45

[1] Commodities with data consistently zero for 2009-2018 are not listed. [2] Less than 50,000 units. [3] Less than 500,000 units. [4] Total value of all commodities owned by CCC, including price-supported commodities not shown and commodities acquired under programs other than price-support programs, less reserve for losses on inventory. [5] Less than 500 units.
FPAC, Business Center, Budget Division, Program Budget Branch, CCC Program Section, (202) 720-4697.

Table 11-2.—Commodity Credit Corporation: Loans pledge made, by quantity and face amount, United States and Territories, by crop year 2017–2018 [1]

Commodity	Unit	2017		2018	
		Quantity pledged	Face amount	Quantity pledged	Face amount
		1,000	*1,000 dollars*	*1,000*	*1,000 dollars*
Barley	1,000 bushels	8,232	15,596	1,711	3,196
Corn	1,000 bushels	885,563	1,689,795	78,890	152,614
Cotton, ELS & Upland [2]	1,000 bales	335,329	2,581,538	260	67,888
Seed cotton, ELS & Upland	1,000 pounds	135	6,697	6	1,892
Sugar Cane and Beet	1,000 pounds	51,888	1,175,081	.....	.....
Flaxseed	1,000 cwt	126	1,256	19	196
Honey	1,000 pounds	57	3,904	3,711	2,561
Oats	1,000 bushels	418	552	273	365
Peanuts	1,000 pounds	46,513	809,738	538,966	95,856
Rice	1,000 cwt	46,528	302,359	2,064	13,470
Wool	1,000 pounds	0	4	.....	.....
Grain sorghum	1,000 bushels	1,913	6,360	469	928
Soybeans	1,000 bushels	106,313	529,523	7,272	36,013
Wheat	1,000 bushels	77,149	229,326	28,113	85,570
Sunflower Seed	1,000 cwt	1,418	14,400	85	843
Canola Seed	1,000 cwt	719	7,331	464	4,666
Safflower Seed	1,000 cwt	16	137	.....	.....
Mustard Seed	1,000 cwt	83	849	26	269
Sunflower Seed (non-oil)	1,000 cwt	238	2,426	18	183
Chickpeas	1,000 cwt	62	687	109	1,183
Dry Whole Peas	1,000 cwt	778	4,146	277	1,478
Lentil Dry	1,000 cwt	304	3,331	242	2,702

[1] Includes loans pledge directly by Commodity Credit Corporation. [2] Includes Upland & ELS Bales and CFLS Pounds.
FPAC, Business Center, Budget Division, Program Budget Branch, CCC Program Section, (202) 720-4697.

Table 11-3.—Commodity Credit Corporation: Loan transactions for fiscal year 2018, by commodities [1]

Commodity	Unit	Loans outstanding Oct. 1, 2017 [2]	New loans made	Loans repayments	Collateral acquired in settlement	Loans written off and transferred to accounts receivable [3]	Loans outstanding Sept. 30, 2018	
							Value	Quantity collateral remaining pledged
		1,000 dollars						
Basic commodities:								
Corn	Bushel	176,174	1,902,641	(1,913,413)		(12,788)	152,614	78,890
Cotton (Upland and ELS)	Bale [4]	37,093	2,601,593	(2,568,717)	0	(190)	69,780	266
Seed cotton	Pound	0	56,768	(55,303)	0	(1,465)	0	0
Peanuts	Pound	29,190	1,000,754	(873,184)	(27,971)	(32,935)	95,856	538,966
Rice	Cwt	13,625	191,136	(190,606)		(684)	13,470	2,064
Tobacco	Pound	0					0	0
Wheat	Bushel	92,082	136,720	(142,443)	(70)	(718)	85,570	28,113
Total [5]		348,164	5,889,612	(5,743,666)	(28,041)	(48,780)	417,290	648,299
Designated nonbasic commodities								
Barley	Bushel	5,721	7,951	(10,477)		0	3,196	1,711
Sorghum	Bushel	974	4,344	(4,390)		0	928	469
Honey	Pound	2,049	3,960	(3,404)		(45)	2,561	3,711
Oats	Bushel	251	673	(555)		(5)	365	273
Raw sugar, cane	Pound	0	353,624	(353,624)		0	0	0
Refined sugar, cane	Pound	0				0	0	0
Raw sugar beet	Pound	0	229,104	(229,104)		0	0	0
Refined sugar beet	Pound	0	376,614	(376,614)		0	0	0
FlaxSeed	Cwt	673	414	(801)		(90)	196	19
Sunflower seed (oil)	Cwt	2,025	7,573	(8,754)		0	843	85
Canola seed	Cwt	1,539	10,503	(7,376)		0	4,666	464
Safflower seed	Cwt	0	37	(37)		0	0	0
Rapeseed	Cwt	0				0	0	0
Mustard seed	Cwt	170	422	(323)		0	269	26
Crambe oilseed	Cwt	0		0		0	0	0
Sunflower seed, non oil	Cwt	67	2,409	(2,294)		0	183	18
Total [5]		13,469	997,628	(997,753)	0	(140)	13,207	6,776
Other nonbasic commodities:								
Soybeans	Bushel	26,232	734,005	(721,002)		(3,222)	36,013	7,272
Mohair	Pound	0				0	0	0
Chickpeas	Pound	148	1,691	(655)		0	1,183	109
Lentils	Pound	831	4,232	(2,361)		0	2,702	242
Peas, dry whole	Pound	1,379	2,741	(2,642)		0	1,478	277
Wool	Pound	4	0	(4)		0	0	0
Unknown	Pound	(1,455)						
Total [5]		27,139	742,669	(726,664)	0	(3,222)	41,376	7,900
Grand total [5]		388,772	7,629,909	(7,468,083)	(28,041)	(52,142)	471,873	662,975

[1] Loans made directly by Commodity Credit Corporation. [2] Book value of outstanding loans; includes face amounts and any charges paid. [3] Includes transfers to accounts receivable. [4] Includes Upland & ELS Bales and CFLS Pounds. [5] Totals do not include allowance for losses.

FPAC, Business Center, Budget Division, Program Budget Branch, CCC Program Section, (202) 720-4697.

Table 11-4.—Commodity Credit Corporation: Selected inventory transactions, programs and commodity, as of September 30, 2018

Program and commodity	Unit	Quantity					
		Inventory Oct. 1, 2017	Purchases	Collateral acquired from loans	Other addition deduction	Sales and other dispositions[1]	Inventory Sept. 30, 2018
		Thousands					
Feed grains:							
Barley	Bushel	0	0	0	0	0	0
Corn	Bushel	0	0	0	0	0	0
Corn products	Pound	2,998	32,706	0	0	(33,532)	2,172
Grain sorghum	Bushel	222	12,014	0	0	(11,840)	396
Sorghum grits	Pound	0	0	0	0	0	0
Oats	Bushel	0	0	0	0	0	0
Food grains, cotton and tobacco:							
Wheat	Bushel	18	22,264	27	0	(22,304)	5
Wheat flour	Pound	0	13,291	0	0	(13,291)	0
Bulgur	Pound	0	0	0	0	0	0
Rice, milled	Cwt	11	448	0	0	(459)	0
Rice, rough	Cwt	0	0	0	0	0	0
Cotton, extra long staple	Bale	0	0	0	0	0	0
Upland cotton	Bale	0	0	0	0	0	0
Tobacco Products	Pound	0	0	0	0	0	0
Dairy products:							
Butter	Pound	0	0	0	0	0	0
Cheese	Pound	0	0	0	0	0	0
Milk, dried	Pound	0	0	0	0	0	0
Milk, UHT	Pound	0	0	0	0	0	0
Dry whole milk	Pound	0	0	0	0	0	0
Non fat dry milk	Pound	0	0	0	0	0	0
Oils and oilseeds:							
Crambe oilseed	Cwt	0	0	0	0	0	0
Canola seed	Cwt	0	0	0	0	0	0
Sunflower seed	Cwt	0	0	0	0	0	0
Sunflower seed, non-oil	Cwt	0	0	0	0	0	0
Peanuts	Pound	55,593	.....	155,852	(77,771)	(518)	132,952
Peanut butter	Pound	0	0	0	12,150	(12,150)	0
Soybeans	Bushel	0	132	0	0	(132)	0
Soybean products	Pound	0	67,682	0	0	(67,682)	0
Dry edible beans	Cwt	0	32	.....	.....	(32)	0
Flaxseed	Cwt	0	0	0	0	0	0
Blended foods	Pound	4,445	114,215	0	0	(106,541)	12,119
Dry whole peas and lentils	Cwt	252	3,313	0	0	(3,317)	248
Sugar cane and beet	Pound	0	0	0	0	0	240
Vegetable oil products	Pound	20,684	259,162	0	0	(265,017)	14,828
Wool	Pound	0	0	0	0	0	0
Mohair	Pound	0	0	0	0	0	0
Other[2]	.....	0	0	0	0	0	0
Total inventory operations	.....	84,223	525,259	155,879	(65,621)	(536,815)	162,960

See footnote(s) at end of table.

Table 11-4.—Commodity Credit Corporation: Selected inventory transactions, programs and commodity, as of September 30, 2018—Continued

Program and commodity	Unit	Value					
		Inventory Oct. 1, 2017	Purchases	Collateral acquired from loans	Other addition deduction	Sales and other disposi-tions [1]	Inventory Sept. 30, 2018
		Thousand dollars					
Feed grains:							
Barley	Bushel	0	0	0	0	0	0
Corn	Bushel	0	0	0	0	0	0
Corn products	Pound	872	6,872	0	(289)	(6,913)	542
Grain sorghum	Bushel	2,015	60,935	0	3	(60,075)	2,877
Sorghum grits	Pound	0	0	0	0	0	0
Oats	Bushel	0	0	0	0	0	0
Food grains, cotton and tobacco:							
Wheat	Bushel	50	172,150	70	0	(172,256)	14
Wheat flour	Pound	0	3,020	0	0	(3,020)	0
Bulgur	Pound	0	0	0	0	0	0
Rice, milled	Cwt	248	9,934	0	(42)	(10,140)	0
Rice, rough	Cwt	0	0	0	0	0	0
Cotton, extra long staple	Bale [2]	0	0	0	0	0	0
Upland cotton	Bale [2]	0	0	0	0	0	0
Tobacco Products	Pound	0	0	0	0	0	0
Dairy products:							
Butter	Pound	0	0	0	0	0	0
Cheese	Pound	0	0	0	0	0	0
Milk, dried	Pound	0	0	0	0	0	0
Milk, UHT	Pound	0	0	0	0	0	0
Dry whole milk	Pound	0	0	0	0	0	0
Non fat dry milk	Pound	0	0	0	0	0	0
Oils and oilseeds:							
Crambe oilseed	Cwt	0	0	0	0	0	0
Canola seed	Cwt	0	0	0	0	0	0
Sunflower seed	Cwt	0	0	0	0	0	0
Sunflower seed, non-oil	Cwt	0	0	0	0	0	0
Peanuts	Pound	9,678	0	27,971	(13,527)	(83)	24,039
Peanut butter	Pound	0	0	0	12,985	(12,985)	0
Soybeans	Bushel	0	2,322	0	0	(2,322)	0
Soybean products	Pound	0	14,464	0	0	(14,464)	0
Dry edible beans	Cwt	0	897	0	0	(897)	0
Flaxseed	Cwt	0	0	0	0	0	0
Blended foods	Pound	1,735	38,656	0	257	(36,483)	4,166
Dry whole peas and lentils	Cwt	7,105	74,749	0	(237)	(76,141)	5,476
Sugar, cane and beet	Pound	69,490	0	0	0	0	69,490
Vegetable oil products	Pound	13,151	126,721	0	(980)	(130,430)	8,463
Wool	Pound	0	0	0	0	0	0
Mohair	Pound	0	0	0	0	0	0
Other [3]	.....	(69,490)	4,463	0	0	(3,992)	(69,019)
Total inventory operations	.....	34,854	515,183	28,041	(1,830)	(530,201)	46,048

[1] Includes sales, commodity donations, transfers to other government agencies and inventory adjustment. [2] Includes Upland & ELS Bales and CFLS Pounds. [3] Includes Miscellaneous-Oats and Sugar FY Carryforward, which should be included in Sugar, cane & beets.

FPAC, Business Center, Budget Division, Program Budget Branch, CCC Program Section, (202) 720-4697.

Table 11-5.—Commodity Credit Corporation: Cost value of export and domestic commodity dispositions, by type of disposition, fiscal year 2018 [1]

(In Thousands)

Commodity	Domestic				
	Dollar sales (Costs)	Transfers to other Government agencies	Donations [1]	Inventory adjustments and other recoveries (domestic)	Total domestic
Feed grains:					
Barley	0	0	0	0	0
Corn	0	0	0	0	0
Corn products	0	0	0	(1)	(1)
Grain sorghum	0	0	0	0	0
Sorghum grits	0	0	0	0	0
Oats	0	0	0	0	0
Food grains, cotton and tobacco:					
Tobacco products	0	0	0	0	0
Bulgur	0	0	0	0	0
Wheat	0	0	0	112	112
Wheat flour	0	0	0	0	0
Wheat product, Other	0	0	0	0	0
Rice, milled	0	0	0	0	0
Rice, rough	0	0	0	0	0
Rice, brown and Textured soy	0	0	0	0	0
Cotton, extra long staple & upland	0	0	0	0	0
Dairy products:					
Butter oil	0	0	0	0	0
Butter	0	0	0	0	0
Cheese Products	0	0	0	0	0
Nonfat dry milk	0	0	0	0	0
Milk, dried. UT high temp	0	0	0	0	0
Oils and oilseeds:					
Peanuts	0	0	0	65	65
Peanut butter	0	0	12,985	0	12,985
Peanuts farmer's stock & products	0	0	0	0	0
Soya flour	0	0	0	(6)	(6)
Flaxseed	0	0	0	0	0
Sunflower Seed (oil & non-oil)	0	0	0	0	0
Soybeans & Soybean products	0	0	0	0	0
Fruit fresh apples	0	0	0	0	0
Blended foods	0	0	0	0	0
Potatoes	0	0	0	0	0
Grains and seeds:					
Feed for Government facilities	0	0	0	0	0
Foundation seeds	0	0	0	0	0
Lentils dry	0	0	0	0	0
Vegetable Seeds	0	0	0	0	0
Canola seed	0	0	0	0	0
Crambe oil seed	0	0	0	0	0
Peas, dried whole	0	0	0	(1)	(1)
Dry edible beans	0	0	0	0	0
Honey	0	0	0	0	0
Sugar	0	0	0	0	0
Vegetable oil products	0	0	0	0	0
Mohair	0	0	0	0	0
Meat (and products)	0	0	0	0	0
Veg. canned tomato sauce	0	0	0	0	0
Wool	0	0	0	0	0
Other (rice products, fish, canned salmon)	0	0	0	0	0
Total	0	0	12,985	169	13,154

See footnote(s) at end of table.

Table 11-5.—Commodity Credit Corporation: Cost value of export and domestic commodity dispositions, by type of disposition, fiscal year 2018 [1]—Continued

(In Thousands)

Commodity	Export				Total export and domestic
	Dollar sales (Costs)	Public law 480 (Costs)	Donations [1]	Total export	
Feed grains:					
Barley	0	0	0	0	0
Corn	0	0	0	0	0
Corn products	0	0	0	0	0
Grain sorghum	0	0	0	0	0
Sorghum grits	0	0	0	0	0
Oats	0	0	0	0	0
Food grains, cotton and tobacco:					
Tobacco Products	0	0	0	0	0
Bulgur	0	0	0	0	0
Wheat	0	24,195	0	0	24,195
Wheat flour	0	0	0	0	0
Wheat product, Other	0	0	0	0	0
Rice, milled	0	0	0	0	0
Rice, rough	0	0	0	0	0
Rice, brown and textured soy	0	0	0	0	0
Cotton, extra long staple & upland	0	0	0	0	0
Dairy products:					
Butter oil	0	0	0	0	0
Butter	0	0	0	0	0
Cheese Products	0	0	0	0	0
Nonfat dry milk	0	0	0	0	0
Milk, dried UT high temp	0	0	0	0	0
Oils and oilseeds:					
Peanuts	0	0	0	0	0
Peanut butter	0	0	0	0	0
Peanuts farmer's stock & products	0	0	0	0	0
Soya flour	0	0	0	0	0
Flaxseed	0	0	0	0	0
Sunflower Seed (oil & non-oil)	0	0	0	0	0
Soybeans & Soybean products	0	16,786	0	0	16,786
Fruit fresh apples	0	0	0	0	0
Blended foods	0	0	0	0	0
Potatoes	0	0	0	0	0
Grains and seeds:					
Feed for Government facilities	0	0	0	0	0
Foundation seeds	0	0	0	0	0
Lentils dry	0	0	0	0	0
Vegetable Seeds	0	0	0	0	0
Canola seed	0	0	0	0	0
Crambe oil seed	0	0	0	0	0
Peas, dried whole	0	0	0	0	0
Dry edible beans	0	0	0	0	0
Honey	0	0	0	0	0
Sugar	0	0	0	0	0
Vegetable oil products	0	24,519	0	0	24,519
Mohair	0	0	0	0	0
Meat (and products)	0	0	0	0	0
Veg. canned tomato sauce	0	0	0	0	0
Wool	0	0	0	0	0
Other (rice products, fish, canned salmon)	0	363	0	0	363
Total	0	65,863	0	0	65,863

[1] Includes donations under section 202,407,416, Section 210, P.L. 85-540, miscellaneous donations under various other authorizations.

FPAC, Business Center, Budget Division, Program Budget Branch, CCC Program Section, (202) 720-4697.

Table 11-6.—Commodity Credit Corporation: Investment in price-support operations, March 31 and June 30, 2007–2018 [1]

Year Month	Inventory investment	Loan investment	Total investment
	Million dollars	*Million dollars*	*Million dollars*
2007:			
March	72	7,031	7,103
June	48	2,902	2,950
2008:			
March	168	5,926	6,094
June	11	3,335	3,346
2009:			
March	174	4,647	4,821
June	209	2,215	2,424
2010:			
March	119	4,054	4,173
June	70	1,996	2,066
2011:			
March	41	3,259	3,300
June	66	1,588	1,654
2012:			
March	63	2,740	2,803
June	27	1,260	1,287
2013:			
March	28	2,981	3,009
June	43	1,664	1,707
2014:			
March	188	2,094	2,282
June	94	890	984
2015:			
March	32	2,734	2,766
June	41	1,572	1,613
2016:			
March	25	3,934	3,959
June	23	1,956	1,979
2017:			
March	11	4,142	4,153
June	24	2,095	2,119
2018:			
March	7	4,192	4,199
June	13	2,291	2,304

[1] Reflects total CCC loans and inventories investment.
FPAC, Business Center, Budget Division, Program Budget Branch, CCC Program Section, (202) 720-4697.

Table 11-7.—Commodity Credit Corporation: Loans made in fiscal year 2018 as of September 30, by State and Territories [1]

State or Territory	Barley	Corn	Cotton-bales	Dry whole peas	Flaxseed
	1,000 dollars				
Alabama		2,298	30,580		
Alaska	15		0		
Arizona		1,167	0		
Arkansas		13,440	145,715		
California			468,278		
Colorado	127	25,310	0		
Connecticut					
Delaware		1,660	0		
Florida		134	0		
Georgia		6,164	3,016		
Hawaii					
Idaho	785	293	0	130	
Illinois		160,897	0		
Indiana		142,669	0		
Iowa		385,108	0		
Kansas City Commodity		30808	0		
Kansas			0		
Kentucky	66	43,197	0		
Louisiana		1,027	6,360		
Maine	49	34	0		
Maryland	41	7,666	0		
Massachusetts		43	0		
Michigan		55,698	0		
Minnesota	578	433,930	0	256	
Mississippi		10,093	741,198		
Missouri		55,687	5,258		
Montana	3,643	9	0	4,402	71
Nebraska		143,033	0	73	
Nevada					
New Hampshire					
New Jersey		911	0		
New Mexico		1,294	0		
New York	4	23,681	0		
North Carolina	9	4,659	36,554		
North Dakota	2,377	64,492	0	3,366	344
Ohio		67,703	0		
Oklahoma	7	3,074	0		
Oregon			0		
Pennsylvania		12,549	0		
Rhode Island					
South Carolina		4,072	0		
South Dakota	47	109,376	0	149	
Tennessee		10,899	263,964		
Texas		10,955	900,670		
Utah	134		0		
Vermont					
Virginia	30	3,816	0		
Washington		655	0	288	
West Virginia		1,551	0		
Wisconsin	1	61,682	0		
Wyoming	38	906	0		
Total	7,951	1,902,640	2,601,593	8,664	415

See footnote(s) at end of table.

Table 11-7.—Commodity Credit Corporation: Loans made in fiscal year 2018 as of September 30, by State and Territories [1]—Continued

State or Territory	Honey	Oats	Oilseeds	Peanuts	Rice	Seed Cotton
	1,000 dollars					
Alabama	.....	.....	.....	7,220	.....	.....
Alaska	.....	.....	.....	.....	.....	.....
Arizona	.....	.....	.....	.....	.....	.....
Arkansas	.....	.....	.....	.....	96,885	1,966
California	360	.....	.....	.....	73,178	.....
Colorado	.....	7	195	.....	.....	.....
Connecticut	.....	.....	.....	.....	.....	.....
Delaware	.....	.....	.....	.....	.....	.....
Florida	.....	.....	.....	23,545	.....	.....
Georgia	73	4	.....	768,774	.....	.....
Hawaii	.....	.....	.....	.....	.....	.....
Idaho	305	25	34	.....	.....	.....
Illinois	.....	.....	.....	.....	.....	.....
Indiana	.....	.....	.....	.....	.....	.....
Iowa	356	7	.....	.....	.....	.....
Kansas City Commodity	.....	.....	.....	.....	.....	.....
Kansas	9	.....	.....	.....	.....	,468
Kentucky	.....	.....	.....	.....	.....	.....
Louisiana	9	.....	.....	379	2,943	.....
Maine	.....	175	.....	.....	.....	.....
Maryland	.....	.....	.....	.....	.....	.....
Massachusetts	.....	.....	.....	.....	.....	.....
Michigan	.....	11	19	.....	.....	.....
Minnesota	192	15	609	.....	.....	.....
Mississippi	.....	.....	.....	3,451	8,037	.....
Missouri	.....	.....	.....	1	4,488	717
Montana	366	.....	1,178	.....	.....	.....
Nebraska	17	.....	111	.....	.....	.....
Nevada	.....	.....	.....	.....	.....	.....
New Hampshire	.....	.....	.....	.....	.....	.....
New Jersey	.....	.....	.....	.....	.....	.....
New Mexico	.....	.....	.....	2,989	.....	.....
New York	.....	9	.....	.....	.....	.....
North Carolina	.....	.....	.....	47,239	.....	.....
North Dakota	101	122	11,361	.....	.....	.....
Ohio	.....	.....	.....	.....	.....	.....
Oklahoma	-	.....	.....	4,007	.....	24,192
Oregon	88	.....	.....	.....	.....	.....
Pennsylvania	13	64	.....	.....	.....	.....
Rhode Island	.....	.....	.....	.....	.....	.....
South Carolina	.....	.....	.....	3,114	.....	.....
South Dakota	1,036	188	7,302	.....	.....	.....
Tennessee	6	.....	.....	.....	468	.....
Texas	859	17	.....	61,168	5,137	26,424
Utah	36	.....	.....	.....	.....	.....
Vermont	.....	.....	.....	.....	.....	.....
Virginia	.....	.....	.....	78,867	.....	.....
Washington	105	.....	135	.....	.....	.....
West Virginia	.....	.....	.....	.....	.....	.....
Wisconsin	31	5	.....	.....	.....	.....
Wyoming	.....	23	.....	.....	.....	.....
Total	3,962	672	20,944	1,000,754	191,136	56,767

See footnote(s) at end of table.

Table 11-7.—Commodity Credit Corporation: Loans made in fiscal year 2018 as of September 30, by State and Territories [1]—Continued

State or Territory	Sorghum	Soybeans	Sugar	Wheat
	1,000 dollars			
Alabama		376		138
Alaska				
Arizona				
Arkansas		5,457		
California				359
Colorado	632	100	108,517	3,390
Connecticut				
Delaware		653		
Florida			113,999	
Georgia		48		77
Hawaii				
Idaho			266,678	6,593
Illinois	49	54,907		490
Indiana	126	91,194		635
Iowa		139,502		6
Kansas City Commod				
Kansas	1,347	10,721		3,797
Kentucky		23,333		3,712
Louisiana		417	239,625	
Maine				
Maryland		3,445		640
Massachusetts				
Michigan		23,941	77,495	1,755
Minnesota	4	129,030	144,260	20,249
Mississippi		4,469		
Missouri	496	44,631		1,170
Montana				22,462
Nebraska	18	29,418		1,350
Nevada				
New Hampshire				
New Jersey		182		117
New Mexico				535
New York		7,579		1,358
North Carolina		3,773		949
North Dakota		23,076		40,724
Ohio		65,580		782
Oklahoma	1,284	127		1,462
Oregon				2,457
Pennsylvania		4,718		629
Rhode Island				
South Carolina	12	1,499		119
South Dakota	35	36,796		7,537
Tennessee		5,852		726
Texas	324	250		474
Utah				861
Vermont				
Virginia		3,755		470
Washington				9,978
West Virginia		1,322		
Wisconsin	17	17,855		376
Wyoming			8,769	344
Total	4,344	734,006	959,343	136,721

[1] Loans made directly by Commodity Credit Corporation. As much as possible, loans have been distributed according to the location of producers receiving the loans. Direct loans to cooperative associations for the benefit of members have been distributed according to the location of the association.

FPAC, Business Center, Budget Division, Program Budget Branch, CCC Program Section, (202) 720-4697.

Table 11-8.—Farm Service Agency programs: Payments to producers, by program and commodity, United States, calendar year 2017–2018

Program and commodity	2017	2018
	1,000 dollars	*1,000 dollars*
Acreage grazing payments	0	
Additional risk coverage	3,816,009	1,116,830
American indian - livestock feed	0	
Aquaculture block grant	0	
Auto conservation reserve program (CRP)-cost shares	108,079	90,391
Avg crop revenue election program	559	
Bioenergy program	0	
Biomass crop assistance	2663	392
Cotton ginning cost share	434	215,831
Cotton transition program	661	12
Cottonseed payment program	0	
Crop assistance program	0	
Crop disaster - North Carolina	0	
Crop disaster - Virginia	0	
Crop disaster program	0	
Crop hurricane damage program	0	
CRP annual rental	1,774,250	1,816,927
CRP incentives	79,177	44,661
CRP transition incentive	3,769	3,964
Dairy economic loss assistance	0	
Dairy indemnity	292	91
Dairy market loss assistance	0	
Direct and counter cyclical program	3,773	164
Emergency Assistance program	18,748	64,889
Emergency conservation program	73,344	65,008
Emergency forest restoration	2,088	2,354
Environment quality incentives	0	
Feed indemnity program	0	
FL hurricane citrus disaster	0	
Forestry conservation reserve	0	
Forgiven interest	0	
FL nursery disaster	0	
Fl vegetable disaster	0	
Florida sugarcane program	0	
Grasslands reserve program	11,013	9,755
Geographic disadvantaged program	1,996	123
Hawaii sugar disaster	0	
Hurricane indemnity program	0	
Interest payments	0	
Lamb meat adjustment assistance	0	
Livestock assistance grant	0	
Livestock assistance program	0	
Livestock compensation program	0	
Livestock emergency assistance	0	
Livestock forage program	429,933	460,377
Livestock indemnity program	26,007	38,299
Loan deficiency	9,175	23
Margin protection-Dairy	100	253,615
Market gains	0	
Marketing loss assistance-asparagus	0	
Marketing loss assistance	0	
Milk income loss contract transitional	0	
Milk income loss contract	0	
Milk income loss II	37	1
Noninsured assistance program	158,963	176,955
Peanut quota buyout program	0	
Pima cotton trust fund program	14,908	14,814
Price loss coverage	3,226,102	2,075,956
Storage forgiven	0	
Sugar beet disaster program	0	
Supplemental assistance program	0	
Texas sugarcane storage & transportation	0	
Tobacco quota holder-interest	0	
Trade adjustment assistance	0	
Tree assistance program	8,314	11,258
Trade mitigation programs [1]		5,096,102
TTPP tobacco producer	0	
Upland cotton assistance	44,526	43,514
Wetlands reserve	0	
Wool manufacturers trust fund	26,709	27,942
Grand Total	9,841,629	11,630,248

[1] The Trade Mitigation Programs were added to CY2018.

FPAC, Business Center, Budget Division, Program Budget Branch, CCC Program Section, (202) 720-4697.

Table 11-9.—Farm Service Agency programs: Payments received, by States, calendar year 2017–2018 [1]

State	Payments	
	2017	2018
	1,000 dollars	*1,000 dollars*
Alabama	187,347	80,429
Alaska	694	360
Arizona	19,466	31,898
Arkansas	522,580	487,565
California	89,441	165,820
Colorado	231,966	184,745
Connecticut	1,400	2,157
Delaware	13,113	6,619
District of Columbia	950	492
Florida	70,897	61,318
Georgia	329,265	218,521
Hawaii	7,132	7,033
Idaho	147,696	136,985
Illinois	565,706	1,001,352
Indiana	342,233	473,037
Iowa	641,205	1,126,699
Kansas	565,466	725,996
Kentucky	141,429	138,711
Louisiana	239,213	211,632
Maine	2,681	4,946
Maryland	45,121	26,566
Massachusetts	2,512	3,144
Michigan	182,553	209,462
Minnesota	368,880	734,829
Mississippi	231,009	262,839
Missouri	371,889	519,580
Montana	328,695	288,699
Nebraska	738,915	610,895
Nevada	2,322	3,904
New Hampshire	1004	1,621
New Jersey	7,045	5,192
New Mexico	69,321	74,241
New York	58,391	64,557
North Carolina	134,285	86,801
North Dakota	503,713	648,476
Ohio	340,704	421,416
Oklahoma	220,772	268,081
Oregon	85,681	74,157
Pennsylvania	60,487	65,184
Rhode Island	320	394
South Carolina	61,939	30,429
South Dakota	469,827	693,308
Tennessee	118,818	107,568
Texas	839,130	737,820
Utah	23,406	36,165
Vermont	1,619	11,189
Virginia	55,834	49,121
Washington	184,532	159,642
West Virginia	4,583	2,872
Wisconsin	95,449	252,092
Wyoming	34,351	19,136
KCCO	76,224	83,795
Puerto Rico	2,317	10,703
Virgin Islands	27	.....
Guam	65	.....
MI	2	.....
AS	7	60
Total	9,841,629	11,630,253

[1] Only for programs listed on Table 11-8. The Trade Mitigation Programs were added to CY2018.
FPAC, Business Center, Budget Division, Program Budget Branch, CCC Program Section, (202) 720-4697.

Table 11-10.—Fruit, vegetable, and tree nut and specialty crop marketing orders and peanut program, 2018-19 season

Program	Estimated number of producers	Farm value
	Number	*1,000 dollars*
Citrus fruits		
Florida oranges, grapefruit, tangerines, and tangelos	500	121,070
Texas oranges and grapefruit	170	89,797
Deciduous fruits		
California olives	1,100	40,523
California desert grapes	38	.....
California kiwifruit	140	32,886
Florida avocados	400	15,278
Washington apricots	315	10,410
Washington sweet cherries	1,450	407,360
Washington and Oregon pears [1]	1,500	304,251
Tart cherries (7 States) [2]	600	56,635
Cranberries (10 States) [3]	1,100	222,440
Dried fruits		
California dates	70	152,175
California plums	800	194,832
California raisins	2,600	642,830
Vegetables		
Florida tomatoes	75	266,711
Idaho and Eastern Oregon onions	250	37,687
South Texas onions	60	.....
Georgia onions (Vidalia)	80	.....
Onions (Walla Walla, Washington)	30	.....
Potatoes [4]		
Colorado	220	.....
Idaho and Eastern Oregon	450	.....
Washington	.....	.....
Tree Nuts		
California almonds	6,800	5,468,040
Pecans (15 States)	2,500	425,331
California, Arizona, and New Mexico pistashios [5]	1,455	2,615,550
California walnuts	5,700	878,800
Oregon and Washington hazelnuts	800	91,800
Spearmint oil [6]	123	34,675
Peanuts [7]	7,500	1,155,709
Total 29 programs [8]	.....	13,264,790

[1] Includes fresh and processed pears.

[2] The tart cherry order covers the States of Michigan, New York, Pennsylvania, Oregon, Utah, Washington, and Wisconsin.

[3] The cranberry order covers Massachusetts, Rhode Island, Connecticut, New Jersey, Wisconsin, Michigan, Minnesota, Oregon, Washington, and Long Island in New York.

[4] The farm values of fresh potatoes regulated under the three potato marketing orders are based on the season average grower prices for all potatoes (fresh and processed utilization combined) in Colorado, Idaho, and Washington, respectively. NASS grower prices for fresh potato utilization were not available for all of the states regulated under the marketing order.

[5] Pistachio farm value is for California only.

[6] The marketing order regulates the handling of spearmint oil produced in the States of Washingon, Idaho, Oregon and designated parts of Nevada and Utah. The farm value is the sum of crop values for Washington, Idaho and Oregon, and excludes the minor level of production in Nevada and Utah, which is not published by NASS.

[7] The Farm Security and Rural Investment Act of 2002 terminated the Peanut Administrative Committee (which locally administered Marketing Agreement No. 146). As a result, the marketing agreement was terminated and and new quality standards were established for domestic and imported peanuts, administered by the Peanut Standards Board.

[8] The total number of producers cannot be determined from totals for individual commodities; some producers may produce more than one commodity.

AMS, Specialty Crops Programs, Promotion and Economics Division, (202) 720–9915.

Table 11-10.—Fruit, vegetable, and tree nut and specialty crop marketing orders and peanut program, 2018-19 season

Program	Estimated number of producers	Farm value
	Number	*1,000 dollars*
Citrus fruits		
Florida oranges, grapefruit, tangerines, and tangelos	500	121,070
Texas oranges and grapefruit	170	89,797
Deciduous fruits		
California olives	1,100	40,523
California desert grapes	38	.....
California kiwifruit	140	32,886
Florida avocados	400	15,278
Washington apricots	315	10,410
Washington sweet cherries	1,450	407,360
Washington and Oregon pears [1]	1,500	304,251
Tart cherries (7 States) [2]	600	56,635
Cranberries (10 States) [3]	1,100	222,440
Dried fruits		
California dates	70	152,175
California plums	800	194,832
California raisins	2,600	642,830
Vegetables		
Florida tomatoes	75	266,711
Idaho and Eastern Oregon onions	250	37,687
South Texas onions	60	.....
Georgia onions (Vidalia)	80	.....
Onions (Walla Walla, Washington)	30	.....
Potatoes [4]		
Colorado	220	.....
Idaho and Eastern Oregon	450	.....
Washington	.....	.....
Tree Nuts		
California almonds	6,800	5,468,040
Pecans (15 States)	2,500	425,331
California, Arizona, and New Mexico pistashios [5]	1,455	2,615,550
California walnuts	5,700	878,800
Oregon and Washington hazelnuts	800	91,800
Spearmint oil [6]	123	34,675
Peanuts [7]	7,500	1,155,709
Total 29 programs [8]	.....	13,264,790

[1] Includes fresh and processed pears.

[2] The tart cherry order covers the States of Michigan, New York, Pennsylvania, Oregon, Utah, Washington, and Wisconsin.

[3] The cranberry order covers Massachusetts, Rhode Island, Connecticut, New Jersey, Wisconsin, Michigan, Minnesota, Oregon, Washington, and Long Island in New York.

[4] The farm values of fresh potatoes regulated under the three potato marketing orders are based on the season average grower prices for all potatoes (fresh and processed utilization combined) in Colorado, Idaho, and Washington, respectively. NASS grower prices for fresh potato utilization were not available for all of the states regulated under the marketing order.

[5] Pistachio farm value is for California only.

[6] The marketing order regulates the handling of spearmint oil produced in the States of Washingon, Idaho, Oregon and designated parts of Nevada and Utah. The farm value is the sum of crop values for Washington, Idaho and Oregon, and excludes the minor level of production in Nevada and Utah, which is not published by NASS.

[7] The Farm Security and Rural Investment Act of 2002 terminated the Peanut Administrative Committee (which locally administered Marketing Agreement No. 146). As a result, the marketing agreement was terminated and and new quality standards were established for domestic and imported peanuts, administered by the Peanut Standards Board.

[8] The total number of producers cannot be determined from totals for individual commodities; some producers may produce more than one commodity.

AMS, Specialty Crops Programs, Promotion and Economics Division, (202) 720–9915.

CHAPTER XII

AGRICULTURAL CONSERVATION AND FORESTRY STATISTICS

Statistics in this chapter concern conservation of various natural resources, particularly soil, water, timber, wetlands, wildlife, and improvement of water quality. Forestry statistics include area of private and public-owned forest land, timber production, imports and exports, pulpwood consumption and paper and board production, area burned over by forest fires, livestock grazing, and recreational use of national forest lands.

Conservation Practices on Active CRP Contracts, September 2018

Practice code	Practice	Acres
CP1	Introduced grasses and legumes	3,184,118
CP2	Native grasses	5,379,446
CP3	Tree planting	765,032
CP4	Wildlife habitat with woody vegetation	1,543,438
CP5	Field windbreaks	75,426
CP6	Diversions	4
CP7	Erosion control structures	10
CP8	Grass waterways	122,911
CP9	Shallow water areas for wildlife	26,870
CP10	Existing grasses and legumes[1]	2,424,383
CP11	Existing trees	176,413
CP12	Wildlife food plots	33,583
CP15	Contour grass strips	60,064
CP16	Shelterbelts	24,481
CP17	Living snow fences	5,115
CP18	Salinity reducing vegetation	189,535
CP21	Filter strips (grass)	738,808
CP22	Riparian buffers (trees)	669,651
CP23	Wetland restoration	1,198,369
CP24	Cross wind trap strips	95
CP25	Rare and declining habitat	1,395,695
CP26	Sediment retention	43
CP27	Farmable wetland pilot (wetland)	99,059
CP28	Farmable wetland pilot (upland)	221,140
CP29	Wildlife habitat buffer (marginal pasture)	118,619
CP30	Wetland buffer (marginal pasture)	42,862
CP31	Bottomland hardwood	161,217
CP32	Hardwood trees	1
CP33	Upland bird habitat buffers	230,328
CP34	Flood control structure	69
CP36	Longleaf pine	166,435
CP37	Duck nesting habitat	443,406
CP38	State acres for wildlife enhancement	1,989,175
CP39	FWP--Constucted wetlands	478
CP40	FWP--Aquaculture wetlands	16,680
CP41	FWP--Flooded praire wetlands	62,253
CP42	Pollinator Habitat[2]	507,439
CP87	Grasslands-Native grass	63,736
CP88	Grasslands-Introduced grass	473,194
	Total	22,609,724

[1] Includes both introduced grasses and legumes and native grasses. [2] Does not include about 40,000 acres from Signup 39 before CP42 was implemented.

FSA, Conservation and Environmental Programs Division, (202) 690-1612.

CRP enrollment by sign up and initial contract year [1], as of September 2018

Sign up	Before 2010	2010	2011	2012	2013	2014
25	42,854					
26	331,429					
27	130,975					
28	174,171					
29	262,232					
30	233,513					
31	208,846					
32	1,016,319	517,054	233,453			
33	180,496					
35	239,395					
36	363,452					
37	217,801	221,628		69		
38		212,404	378,037			
39			3,635,426			
40			169,496		305,155	
41					2,467,969	
42				483,667	114,727	
43				3,420,257		498,804
44				22,862		1,528,810
45						3,221
46						
47						
48						
49						
50						
51						
All	3,401,484	951,085	4,416,412	3,926,855	2,887,852	2,030,836

Sign up	2015	2016	2017	2018	Total
25					42,854
26					331,429
27					130,975
28					174,171
29					262,232
30					233,513
31					208,846
32					1,766,826
33					180,496
35					239,395
36					363,452
37					439,498
38					590,441
39					3,635,426
40					474,651
41					2,467,969
42					598,394
43					3,420,257
44					521,666
45					1,528,810
46	517,463				520,684
47	172,208	691,459			863,668
48		513,424	815,945	7,407	1,336,776
49			386,793		386,793
50			31,094	1,308,167	1,339,261
51				11,133	11,133
200		464	88,011	451,631	540,106
All	689,672	1,205,348	1,321,844	1,778,338	22,609,724

[1] For CRP, contract year is the same as fiscal year, which begins October 1.

General Signup Numbers: 1-13, 15, 16, 18, 20, 26, 29, 33, 39, 41, 43, 45, 49. Continuous Sign-up Numbers: 14, 17, 19, 21-25, 27, 28, 30, 31, 35-38, 40, 42, 44, 46, 47, 48, 50, Grasslands Signup Number: 200.

FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-1.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2018

(CP1 and CP2)

State	CP1 Establishment of permanent introduced grasses and legumes			CP2 Establishment of permanent native grasses		
	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]
Alabama	13,987	739,612	67.64	2,816	146,574	88.14
Alaska	1,100	0	.....	.....	0	.....
Arkansas	4,152	171,481	62.65	3,164	256,638	101.57
California	19,660	748,616	156.26	157	2,100	300.00
Colorado	66,945	3,255,652	66.02	841,507	48,483,132	70.79
Delaware	31	11,105	358.23	23	16,310	700.00
Florida	28	0	.....	108	3,718	143.00
Georgia	720	49,882	96.18	80	10,962	812.00
Hawaii	.....	0	.....	.....	0	.....
Idaho	201,699	13,510,776	78.54	40,558	2,586,674	81.12
Illinois	185,159	8,635,907	61.39	43,716	6,560,052	204.01
Indiana	17,654	938,197	73.54	12,221	1,502,968	179.15
Iowa	232,647	7,470,053	41.70	128,495	18,726,335	217.26
Kansas	12,305	400,874	44.15	629,398	25,179,212	45.18
Kentucky	32,342	2,879,371	122.96	21,501	1,789,639	130.31
Louisiana	690	78,255	140.03	1,140	142,567	186.41
Maine	2,229	419,335	199.99	.....	0	.....
Maryland	7,209	579,085	170.58	2,030	215,369	215.49
Massachusetts	.....	0	.....	.....	0	.....
Michigan	15,798	1,530,391	125.71	9,028	1,310,858	192.63
Minnesota	66,491	2,145,749	45.11	46,841	1,781,949	78.17
Mississippi	22,262	174,841	88.27	2,180	43,102	109.40
Missouri	432,486	18,786,257	82.39	127,765	11,630,642	159.09
Montana	389,364	5,888,154	26.80	242,394	3,743,729	34.20
Nebraska	30,085	2,716,105	108.36	249,755	16,345,111	77.41
Nevada	130	12,810	98.39	.....	0	.....
New Jersey	55	0	.....	40	0	.....
New Mexico	52,394	4,116,452	92.59	265,133	23,461,214	115.23
New York	4,964	1,160,135	266.56	374	76,650	293.14
North Carolina	1,026	40,020	62.92	100	7,590	126.69
North Dakota	130,561	5,442,862	50.05	13,400	1,001,028	89.99
Ohio	11,748	552,276	86.75	45,612	3,274,851	113.14
Oklahoma	114,732	5,278,204	60.54	291,134	15,299,979	69.04
Oregon	201,477	13,222,222	73.13	59,646	5,391,725	99.27
Pennsylvania	76,265	7,814,682	150.19	27,139	3,091,476	179.84
Puerto Rico	.....	0	.....	.....	0	.....
South Carolina	698	18,859	141.69	182	0	.....
South Dakota	47,360	1,280,230	33.85	64,322	3,303,804	72.32
Tennessee	32,349	1,472,656	108.43	20,914	1,913,846	172.93
Texas	266,508	15,837,750	88.56	1,634,709	265,932,040	199.30
Utah	69,622	2,157,570	42.65	13,760	966,379	73.69
Vermont	7	0	.....	.....	0	.....
Virginia	2,154	286,833	239.98	764	145,682	316.63
Washington	264,256	13,578,290	63.40	510,720	34,829,241	94.70
West Virginia	231	59,357	482.85	.....	0	.....
Wisconsin	54,010	4,004,856	94.03	23,461	2,419,557	166.59
Wyoming	98,526	1,654,478	28.40	3,136	83,701	48.28
United States	3,184,118	149,120,241	66.93	5,379,446	501,676,403	120.30

[1] Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-2.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2018

(CP3 and CP4)

State	CP3 Tree planting			CP4 Permanent wildlife habitat		
	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]
Alabama	104,992	9,541,836	115.88	4,695	897,394	313.12
Alaska	0	0	.....	0	0	.....
Arkansas	37,463	3,414,114	116.88	1,663	90,233	70.97
California	14	0	.....	9,651	1,025	250.00
Colorado	13	0	.....	284,969	16,849,607	90.08
Delaware	2,190	671,270	338.91	639	170,156	372.23
Florida	15,524	812,933	154.95	330	0	.....
Georgia	69,425	7,935,125	139.29	1,459	241,242	234.47
Hawaii	13	55,854	4,168.21	0	0	.....
Idaho	5,353	435,751	90.37	61,340	2,121,595	50.53
Illinois	40,682	9,030,296	277.20	81,896	23,623,918	469.08
Indiana	15,087	3,006,533	284.34	6,508	563,806	187.34
Iowa	18,750	4,476,306	299.73	119,116	2,730,845	142.15
Kansas	393	41,478	175.18	321,539	15,844,646	57.46
Kentucky	3,804	766,714	242.44	243	23,200	105.15
Louisiana	56,841	5,324,707	121.72	32,372	2,308,152	104.86
Maine	90	84,326	938.00	38	0	.....
Maryland	957	191,215	549.37	1,306	82,652	177.78
Massachusetts	0	0	.....	0	0	.....
Michigan	5,022	675,628	190.23	10,047	308,398	113.76
Minnesota	23,318	2,038,974	125.82	156,707	1,333,829	80.61
Mississippi	234,237	4,864,385	115.48	2,269	168,144	825.53
Missouri	13,613	1,134,448	197.57	2,329	158,927	157.49
Montana	31	0	.....	11,491	573,764	256.26
Nebraska	460	36,308	194.21	37,388	2,177,282	69.56
Nevada	0	0	.....	0	0	.....
New Jersey	0	0	.....	0	0	.....
New Mexico	0	0	.....	140	16,800	120.00
New York	703	421,308	662.48	444	258,042	740.41
North Carolina	23,898	4,310,855	223.09	663	347,358	700.81
North Dakota	418	33,297	179.22	202,908	12,768,865	78.84
Ohio	7,435	1,768,374	394.31	9,655	279,200	96.45
Oklahoma	120	12,118	144.95	752	30,504	99.25
Oregon	1,387	174,191	387.80	8,505	895,052	160.09
Pennsylvania	606	404,235	960.79	4,399	1,275,294	402.70
Puerto Rico	6	0	.....	20	0	.....
South Carolina	20,538	769,827	79.51	610	55,459	226.56
South Dakota	21	946	220.00	36,395	1,791,094	62.29
Tennessee	23,887	1,673,176	163.29	2,334	45,460	146.22
Texas	1,329	49,738	95.48	13,504	330,726	96.94
Utah	0	0	.....	13	0	.....
Vermont	0	0	.....	0	0	.....
Virginia	5,810	400,671	95.23	229	25,029	120.39
Washington	2,412	164,854	73.63	110,326	7,432,264	113.66
West Virginia	16	4,102	431.79	0	0	.....
Wisconsin	28,172	4,795,208	279.02	3,320	213,891	181.49
Wyoming	2	0	.....	1,223	42,392	83.67
United States	765,032	69,521,103	164.07	1,543,438	96,076,244	102.80

[1] Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-3.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2018

(CP5, CP6, and CP7)

State	CP5 Establishment of field windbreaks			CP6 Diversions			CP7 Erosion control structures		
	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]
Alabama	0	0	.....	.....	0	.....	.....	0	.....
Alaska	0	0	.....	.....	0	.....	.....	0	.....
Arkansas	0	0	.....	.....	0	.....	.....	0	.....
California	0	0	.....	.....	0	.....	.....	0	.....
Colorado	1,189	625,321	807.55	.....	0	.....	.....	0	.....
Delaware	0	0	.....	.....	0	.....	.....	0	.....
Florida	0	0	.....	.....	0	.....	.....	0	.....
Georgia	0	0	.....	.....	0	.....	.....	0	.....
Hawaii	0	0	.....	.....	0	.....	.....	0	.....
Idaho	92	156,500	2,245.66	.....	0	.....	.....	0	.....
Illinois	2,182	403,910	257.23	3	0	.....	4	0	.....
Indiana	1,327	204,636	234.43	.....	0	.....	0	0	.....
Iowa	6,224	1,130,621	306.00	.....	0	.....	3	38	25.00
Kansas	1,323	432,498	523.01	.....	0	.....	.....	0	.....
Kentucky	0	0	.....	.....	0	.....	.....	0	.....
Louisiana	0	0	.....	.....	0	.....	.....	0	.....
Maine	0	0	.....	.....	0	.....	.....	0	.....
Maryland	0	0	.....	.....	0	.....	.....	0	.....
Massachusetts	0	0	.....	.....	0	.....	.....	0	.....
Michigan	1,786	375,358	276.56	1	0	.....	.....	0	.....
Minnesota	6,386	1,245,431	275.07	.....	0	.....	0	0	.....
Mississippi	0	0	.....	.....	0	.....	.....	0	.....
Missouri	31	2,327	323.19	.....	0	.....	1	0	.....
Montana	65	13,103	410.75	.....	0	.....	.....	0	.....
Nebraska	26,485	10,134,885	814.35	.....	0	.....	.....	0	.....
Nevada	0	0	.....	.....	0	.....	.....	0	.....
New Jersey	3	19,967	6,106.12	.....	0	.....	.....	0	.....
New Mexico	0	0	.....	.....	0	.....	.....	0	.....
New York	1	700	1,000.00	.....	0	.....	.....	0	.....
North Carolina	11	161	84.74	.....	0	.....	.....	0	.....
North Dakota	3,140	1,562,808	702.21	.....	0	.....	.....	0	.....
Ohio	3,269	698,039	388.36	.....	0	.....	.....	0	.....
Oklahoma	35	5,837	1,423.66	.....	0	.....	.....	0	.....
Oregon	0	0	.....	.....	0	.....	.....	0	.....
Pennsylvania	0	0	.....	.....	0	.....	.....	0	.....
Puerto Rico	0	0	.....	.....	0	.....	.....	0	.....
South Carolina	15	146	43.42	.....	0	.....	.....	0	.....
South Dakota	21,620	10,082,571	685.49	.....	0	.....	.....	0	.....
Tennessee	0	0	.....	.....	0	.....	.....	0	.....
Texas	23	23,956	1,446.62	.....	0	.....	.....	0	.....
Utah	0	0	.....	.....	0	.....	.....	0	.....
Vermont	0	0	.....	.....	0	.....	.....	0	.....
Virginia	0	500	1,250.00	.....	0	.....	.....	0	.....
Washington	6	0	.....	.....	0	.....	.....	0	.....
West Virginia	0	0	.....	.....	0	.....	.....	0	.....
Wisconsin	98	19,137	506.40	.....	0	.....	1	0	.....
Wyoming	114	117,778	1,668.48	.....	0	.....	.....	0	.....
United States	75,426	27,256,191	605.04	4	.....	.....	10	38	25.00

[1] Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-4.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2018

(CP8 and CP9)

State	CP8 Grass waterways			CP9 Shallow water areas for wildlife		
	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]
Alabama	1	0	.....	102	30,233	700.00
Alaska	0	0	.....	.....	0	.....
Arkansas	5	66	12.74	476	5,095	55.77
California	0	0	.....	.....	0	.....
Colorado	468	6,548	195.93	12	0	.....
Delaware	6	0	.....	206	190,262	1,584.06
Florida	0	0	.....	.....	0	.....
Georgia	23	4,263	947.33	23	14,424	1,109.54
Hawaii	0	0	.....	.....	0	.....
Idaho	0	0	.....	23	224	70.00
Illinois	31,466	24,288,831	1,428.46	4,156	1,499,930	796.48
Indiana	18,349	41,557,082	5,222.42	866	188,410	1,089.83
Iowa	35,717	14,476,108	693.21	10,205	761,764	171.75
Kansas	7,620	2,495,432	540.87	901	204,376	593.94
Kentucky	4,919	7,714,165	2,165.72	1,780	590,468	1,369.52
Louisiana	2	0	.....	474	64,933	343.51
Maine	55	294,351	7,278.72	.....	0	.....
Maryland	232	612,358	6,678.56	1,037	1,041,814	2,812.07
Massachusetts	0	0	.....	.....	0	.....
Michigan	460	671,089	3,786.97	1,245	449,984	599.57
Minnesota	3,198	681,393	558.74	173	1,180	39.07
Mississippi	55	0	.....	476	62,109	1,928.84
Missouri	1,898	1,105,934	1,490.48	1,698	26,272	263.01
Montana	66	1,252	79.75	11	0	.....
Nebraska	1,117	287,970	474.14	149	39,438	519.06
Nevada	0	0	.....	.....	0	.....
New Jersey	175	1,943,373	11,917.42	.....	0	.....
New Mexico	0	0	.....	.....	0	.....
New York	41	52,279	2,108.02	3	3,462	1,018.24
North Carolina	217	299,589	1,736.35	196	56,764	453.75
North Dakota	79	14,086	403.38	.....	0	.....
Ohio	11,715	26,122,295	6,132.05	503	209,503	1,458.83
Oklahoma	141	297	23.17	70	9,309	340.99
Oregon	16	194	58.08	.....	0	.....
Pennsylvania	247	409,537	2,929.03	32	9,257	935.05
Puerto Rico	0	0	.....	.....	0	.....
South Carolina	15	547	497.02	34	41,000	2,113.40
South Dakota	1,430	304,009	357.37	41	0	.....
Tennessee	175	191,467	2,369.06	57	10,660	640.24
Texas	1,231	871,951	1,218.76	83	6,806	680.60
Utah	6	0	.....	.....	0	.....
Vermont	15	12,315	1,021.15	.....	0	.....
Virginia	80	336,676	4,973.79	52	119,189	3,144.83
Washington	327	1,038	31.84	50	0	.....
West Virginia	0	0	.....	.....	0	.....
Wisconsin	1,344	1,166,512	2,727.41	1,737	588,752	1,039.33
Wyoming	0	0	.....	.....	0	.....
United States	122,911	125,923,007	1,968.90	26,870	6,225,618	619.75

[1] Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-5.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2018

(CP10, CP11, and CP12)

State	CP10 Vegetative-cover-grass-already established			CP11 Vegetative-cover-trees-already established			CP12 Wildlife food plots		
	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]
Alabama	10,057	607,045	83.32	27,062	2,099,911	130.16	794	0	.....
Alaska	1,414	0	.....	.....	0	.....	.....	0	.....
Arkansas	3,774	78,450	148.75	7,599	89,297	200.38	228	0	.....
California	8,853	0	.....	.....	0	.....	1	0	.....
Colorado	453,936	4,814,552	32.14	11	0	.....	121	0	.....
Delaware	.....	0	.....	.....	0	.....	3	0	.....
Florida	133	0	.....	6,226	12,500	690.61	19	0	.....
Georgia	769	24,000	568.72	12,707	402,692	139.97	293	0	.....
Hawaii	.....	0	.....	.....	0	.....	.....	0	.....
Idaho	55,576	22,063	11.50	291	0	.....	72	0	.....
Illinois	29,063	15,744	55.20	3,785	3,194	48.32	3,709	0	.....
Indiana	4,974	4,282	13.52	1,529	0	.....	348	30	50.00
Iowa	56,816	1,440,263	110.44	1,467	132,522	691.98	3,972	0	.....
Kansas	77,927	84,392	10.62	66	204	43.23	2,903	12	12.00
Kentucky	3,325	4,358	33.25	273	536	43.23	469	0	.....
Louisiana	369	0	.....	5,212	392	5.03	771	0	.....
Maine	823	0	.....	212	0	.....	.....	0	.....
Maryland	513	0	.....	121	0	.....	25	0	.....
Massachusetts	.....	0	.....	.....	0	.....	.....	0	.....
Michigan	5,539	13,847	90.03	1,486	21,331	67.25	580	0	.....
Minnesota	45,308	26,819	54.28	4,752	114,264	364.08	3,404	263	43.75
Mississippi	9,251	0	.....	69,175	477,562	340.37	1,644	0	.....
Missouri	46,589	96,713	70.85	1,072	39,151	588.73	2,839	0	.....
Montana	181,581	36,948	20.78	197	0	.....	684	0	.....
Nebraska	59,042	490,027	34.81	322	32,025	1,351.84	445	50	50.00
Nevada	.....	0	.....	.....	0	.....	.....	0	.....
New Jersey	14	0	.....	.....	0	.....	.....	0	.....
New Mexico	12,643	4,382	9.68	.....	0	.....	1	0	.....
New York	5,256	190,187	96.97	241	9,980	227.33	38	0	.....
North Carolina	510	0	.....	6,979	1,362,686	399.42	13	0	.....
North Dakota	125,131	1,854,362	23.01	119	61	45.19	1,800	0	.....
Ohio	4,884	9,227	39.67	849	0	.....	340	0	.....
Oklahoma	171,175	539,786	11.22	84	0	.....	721	0	.....
Oregon	57,761	817,474	31.61	281	151,416	1,202.67	97	0	.....
Pennsylvania	6,351	311,377	127.80	103	0	.....	956	17	51.52
Puerto Rico	48	0	.....	100	0	.....	.....	0	.....
South Carolina	935	0	.....	10,980	104,404	53.57	118	0	.....
South Dakota	67,427	17,307	15.88	60	0	.....	2,176	0	.....
Tennessee	11,374	620	17.92	5,223	3,362	59.50	248	0	.....
Texas	637,419	11,764,923	116.01	1,275	0	.....	2,256	1,880	100.00
Utah	76,028	5,454	3.00	.....	0	.....	8	0	.....
Vermont	.....	0	.....	.....	0	.....	.....	0	.....
Virginia	646	57,398	426.21	1,894	79,936	246.11	20	0	.....
Washington	98,874	119,280	22.97	423	3,922	55.01	538	80	.....
West Virginia	.....	0	.....	.....	0	.....	.....	0	.....
Wisconsin	20,236	198,593	86.68	4,225	70,360	407.96	910	0	.....
Wyoming	72,038	0	.....	12	0	.....	18	0	.....
United States	2,424,383	23,649,871	50.24	176,413	5,211,708	185.42	33,583	2,252	81.19

[1] Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-6.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2018

(CP15, CP16, and CP17)

State	CP15 Contour grass strips			CP16 Shelter belts			CP17 Living snow fences		
	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]
Alabama	0	0	.....	0	0	.....	0	0	.....
Alaska	0	0	.....	0	0	.....	0	0	.....
Arkansas	0	0	.....	0	0	.....	0	0	.....
California	0	0	.....	0	0	.....	0	0	.....
Colorado	12	0	.....	2,507	1,749,872	797.84	23	9,600	979.59
Delaware	0	0	.....	0	0	.....	0	0	.....
Florida	0	0	.....	0	0	.....	0	0	.....
Georgia	0	0	.....	0	0	.....	0	0	.....
Hawaii	0	0	.....	0	0	.....	0	0	.....
Idaho	180	1,007	10.58	24	30,036	1,877.25	0	0	.....
Illinois	859	21,251	59.80	148	19,001	261.40	47	3,940	171.900
Indiana	20	170	113.33	20	3,188	279.40	0	48	266.67
Iowa	11,449	544,585	142.16	1,969	1,156,840	843.14	692	136,934	258.14
Kansas	3,065	96,351	69.32	571	166,281	512.41	35	12,644	630.00
Kentucky	30	0	.....	0	0	.....	0	0	.....
Louisiana	0	0	.....	0	0	.....	0	0	.....
Maine	0	0	.....	0	0	.....	0	0	.....
Maryland	1	0	.....	0	0	.....	0	0	.....
Massachusetts	0	0	.....	0	0	.....	0	0	.....
Michigan	3	490	490.00	30	3,159	207.97	11	3,332	302.91
Minnesota	749	19,096	59.83	3,268	718,103	294.62	2,862	484,411	221.19
Mississippi	44	0	.....	0	0	.....	0	0	.....
Missouri	788	9,053	83.30	49	24,668	825.02	0	0	.....
Montana	0	0	.....	140	40,882	650.37	188	13,056	585.47
Nebraska	279	5,381	53.62	1,235	393,074	452.98	89	3,633	292.28
Nevada	0	0	.....	0	0	.....	0	0	.....
New Jersey	1	4,391	7,841.07	0	0	.....	0	0	.....
New Mexico	0	0	.....	0	0	.....	0	0	.....
New York	0	0	.....	0	0	.....	0	0	.....
North Carolina	0	0	.....	5	0	.....	0	0	.....
North Dakota	1	0	.....	3,385	2,103,024	761.91	531	277,638	670.33
Ohio	14	0	.....	75	11,664	290.14	0	0	.....
Oklahoma	0	0	.....	21	0	.....	0	0	.....
Oregon	0	0	.....	0	0	.....	0	0	.....
Pennsylvania	45	2,010	101.41	0	0	.....	0	0	.....
Puerto Rico	60	0	.....	0	0	.....	0	0	.....
South Carolina	0	0	.....	0	0	.....	0	0	.....
South Dakota	25	111	30.25	11,007	5,360,897	721.50	624	296,011	681.25
Tennessee	17	161	107.33	0	0	.....	0	0	.....
Texas	77	320	50.00	4	4,818	1,075.45	0	0	.....
Utah	40	0	.....	0	0	.....	0	0	.....
Vermont	0	0	.....	0	0	.....	0	0	.....
Virginia	2	286	130.00	0	0	.....	0	0	.....
Washington	41,815	107,709	46.48	8	1,750	5,833.33	0	0	.....
West Virginia	0	0	.....	0	0	.....	0	0	.....
Wisconsin	488	7,568	205.15	9	4,315	599.31	13	2,267	343.52
Wyoming	0	0	.....	7	2,372	551.63	0	0	.....
United States	60,064	819,939	95.45	24,481	11,793,944	668.21	5,115	1,243,514	338.42

[1] Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-7.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2018

(CP18 and CP21)

State	CP18 Salt tolerant grasses			CP21 Alternative perennials		
	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]
Alabama	0	0	.....	325	10,494	186.39
Alaska	0	0	.....	.....	0	.....
Arkansas	0	0	.....	4,870	203,229	109.79
California	0	0	.....	.....	0	.....
Colorado	7	0	.....	97	10,325	398.96
Delaware	0	0	.....	535	148,563	358.99
Florida	0	0	.....	.....	0	.....
Georgia	0	0	.....	314	25	10.87
Hawaii	0	0	.....	.....	0	.....
Idaho	0	0	.....	626	49,752	89.85
Illinois	4	261	104.40	103,955	6,985,147	112.19
Indiana	0	0	.....	44,866	2,470,495	135.68
Iowa	0	0	.....	188,622	14,690,908	144.09
Kansas	749	0	.....	21,077	950,528	79.10
Kentucky	0	0	.....	17,094	867,014	108.86
Louisiana	0	0	.....	307	6,112	71.79
Maine	0	0	.....	57	0	.....
Maryland	0	0	.....	24,213	1,678,659	155.29
Massachusetts	0	0	.....	10	7,074	714.55
Michigan	0	0	.....	24,154	2,406,556	133.52
Minnesota	4,369	187,372	59.92	111,177	5,787,288	87.86
Mississippi	0	0	.....	4,809	132,955	106.41
Missouri	0	0	.....	24,595	543,641	103.30
Montana	69,010	136,084	30.69	176	2,594	21.73
Nebraska	449	6,997	42.56	14,384	743,927	71.02
Nevada	.....	.....	.....	.....	0	.....
New Jersey	0	0	.....	331	60,578	235.83
New Mexico	0	0	.....	.....	0	.....
New York	0	0	.....	365	132,184	451.16
North Carolina	0	0	.....	920	229,601	488.62
North Dakota	95,602	1,434,005	41.26	7,324	221,748	47.67
Ohio	0	0	.....	69,612	3,009,421	92.46
Oklahoma	1,583	10,960	78.01	505	6,951	440.22
Oregon	0	0	.....	1,525	108,292	214.11
Pennsylvania	0	0	.....	765	62,325	223.32
Puerto Rico	0	0	.....	.....	0	.....
South Carolina	0	0	.....	1,136	20,258	102.56
South Dakota	17,325	589,669	41.81	9,696	315,809	46.52
Tennessee	0	0	.....	4,686	390,431	201.99
Texas	436	20	0.13	526	50,374	187.59
Utah	0	0	.....	.....	0	.....
Vermont	0	0	.....	164	29,137	223.51
Virginia	0	0	.....	3,104	205,923	109.89
Washington	24	0	.....	32,776	1,272,886	84.39
West Virginia	0	0	.....	581	221,499	967.67
Wisconsin	0	0	.....	18,529	1,441,416	152.29
Wyoming	0	0	.....	.....	0	.....
United States	189,535	2,365,368	41.58	738,808	45,474,119	115.94

[1] Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-8.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2018

(CP22 and CP23)

State	CP22 Riparian buffer			CP23 Wetland restoration		
	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]
Alabama	26,234	2,033,214	169.12	5	0	.....
Alaska	50	0	.....	0	0	.....
Arkansas	57,984	3,309,188	121.81	62,516	14,974,429	523.67
California	890	293,437	389.19	572	0	.....
Colorado	444	190,097	1,044.66	1,419	72,022	91.90
Delaware	57	8,125	273.57	206	240,204	1,565.66
Florida	64	0	.....	0	0	.....
Georgia	736	331,737	836.64	403	0	.....
Hawaii	1,161	2,824,685	3,883.26	0	0	.....
Idaho	2,497	385,130	351.46	401	2,125	83.99
Illinois	98,007	15,094,288	211.34	44,467	7,605,704	209.59
Indiana	4,920	572,680	253.15	10,865	1,450,423	239.33
Iowa	43,010	8,814,959	336.75	135,124	20,403,437	192.09
Kansas	2,631	138,916	176.64	9,938	593,146	95.88
Kentucky	18,769	4,373,219	288.64	221	34,415	566.69
Louisiana	4,146	252,908	126.48	122,889	7,795,820	179.71
Maine	31	53,022	9,818.89	0	0	.....
Maryland	10,620	2,506,182	780.74	2,146	1,174,293	1,254.64
Massachusetts	.....	0	.....	0	0	.....
Michigan	1,552	526,808	465.48	18,847	3,375,081	222.95
Minnesota	26,627	2,688,140	178.00	323,465	25,041,191	101.37
Mississippi	163,628	4,646,744	77.88	15,819	774,247	174.99
Missouri	22,710	1,570,689	257.00	21,027	2,561,122	257.09
Montana	2,260	163,170	177.40	1,827	744	8.01
Nebraska	1,548	281,476	353.78	12,953	728,563	95.26
Nevada	.....	0	.....	0	0	.....
New Jersey	269	248,075	973.49	0	0	.....
New Mexico	2,648	637,357	432.75	0	0	.....
New York	7,556	6,783,828	1,454.15	60	4,616	1,394.56
North Carolina	10,669	958,014	138.83	1,092	166,797	201.15
North Dakota	246	115,096	711.96	197,062	1,915,012	47.71
Ohio	6,696	1,080,133	410.11	12,724	6,214,785	934.58
Oklahoma	1,187	307,341	460.44	1,825	83,442	60.93
Oregon	34,195	17,737,749	797.52	268	120,166	776.42
Pennsylvania	20,837	20,551,251	1,350.62	695	470,856	988.36
Puerto Rico	297	12,180	60.00	0	0	.....
South Carolina	9,375	199,046	58.79	172	0	.....
South Dakota	4,781	1,679,088	653.25	184,723	3,945,573	35.62
Tennessee	5,064	774,369	369.97	688	31,976	106.26
Texas	18,067	2,306,915	231.37	8,862	115,217	61.16
Utah	42	3,186	637.20	0	0	.....
Vermont	2,417	2,802,616	1,519.71	0	0	.....
Virginia	19,323	18,698,365	1,677.34	147	25,659	421.26
Washington	19,431	7,911,364	1,035.40	62	4,636	111.44
West Virginia	5,071	5,072,431	1,136.50	0	0	.....
Wisconsin	8,023	1,642,556	546.22	4,880	514,482	343.17
Wyoming	2,850	718,887	358.23	0	0	.....
United States	669,651	141,298,662	404.10	1,198,369	100,440,182	148.33

[1] Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-9.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2018

(CP25, CP26, and CP27)

State	CP25 Rare and declining habitat			CP26 Sediment retention			CP27 Farmable wetland pilot (wetland)		
	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]
Alabama	393	17,622	142.46	.....	0	.....	.....	0	.....
Alaska	.....	0	.....	.....	0	.....	.....	0	.....
Arkansas	.....	0	.....	.....	0	.....	.....	0	.....
California	.....	0	.....	.....	0	.....	.....	0	.....
Colorado	2,080	72,868	79.42	.....	0	.....	2	0	.....
Delaware	.....	0	.....	.....	0	.....	.....	0	.....
Florida	.....	0	.....	.....	0	.....	.....	0	.....
Georgia	.....	0	.....	.....	0	.....	.....	0	.....
Hawaii	.....	0	.....	.....	0	.....	.....	0	.....
Idaho	79	4,120	100.00	.....	0	.....	4	606	173.14
Illinois	569	183,566	377.24	.....	0	.....	637	136,004	245.26
Indiana	1,981	350,084	183.27	.....	0	.....	338	450,823	1,822.76
Iowa	157,605	34,222,263	252.96	.....	0	.....	26,612	3,676,218	188.50
Kansas	679,133	40,434,848	69.54	.....	0	.....	794	15,625	141.19
Kentucky	37,466	7,130,423	203.25	.....	0	.....	.....	0	.....
Louisiana	.....	0	.....	.....	0	.....	335	0	.....
Maine	.....	0	.....	.....	0	.....	.....	0	.....
Maryland	596	149,663	251.03	.....	0	.....	.....	0	.....
Massachusetts	.....	0	.....	.....	0	.....	.....	0	.....
Michigan	62	6,114	136.17	43	131,376	3,546.88	22	995	199.00
Minnesota	115,812	10,638,866	105.31	.....	0	.....	13,595	1,169,239	120.95
Mississippi	.....	0	.....	.....	0	.....	40	5,109	129.34
Missouri	44,773	5,123,883	141.03	.....	0	.....	2	0	.....
Montana	82,514	4,889,565	72.99	.....	0	.....	175	240	27.59
Nebraska	166,506	14,064,529	102.02	.....	0	.....	1,252	48,713	88.92
Nevada	.....	0	.....	.....	*	.....	.....	0	.....
New Jersey	.....	0	.....	.....	0	.....	.....	0	.....
New Mexico	.....	0	.....	.....	0	.....	.....	0	.....
New York	.....	0	.....	.....	0	.....	.....	0	.....
North Carolina	.....	0	.....	.....	0	.....	.....	0	.....
North Dakota	10,340	730,248	74.01	.....	0	.....	26,576	1,039,433	60.80
Ohio	4,128	1,125,662	424.64	.....	0	.....	88	388,657	5,016.87
Oklahoma	20,565	1,624,457	86.85	.....	0	.....	9	7,316	2,090.29
Oregon	41,747	1,614,572	110.48	.....	0	.....	.....	0	.....
Pennsylvania	.....	0	.....	.....	0	.....	.....	0	.....
Puerto Rico	.....	0	.....	.....	0	.....	.....	0	.....
South Carolina	.....	0	.....	.....	0	.....	.....	0	.....
South Dakota	14,266	1,032,367	96.60	.....	0	.....	28,545	682,016	49.83
Tennessee	.....	0	.....	.....	0	.....	.....	0	.....
Texas	.....	0	.....	.....	0	.....	.....	0	.....
Utah	.....	0	.....	.....	0	.....	.....	0	.....
Vermont	.....	0	.....	.....	0	.....	.....	0	.....
Virginia	.....	0	.....	.....	0	.....	.....	0	.....
Washington	1,162	62,911	128.02	.....	0	.....	2	0	.....
West Virginia	.....	0	.....	.....	0	.....	.....	0	.....
Wisconsin	13,232	2,591,708	232.76	.....	0	.....	32	603	118.24
Wyoming	685	40,517	60.00	.....	0	.....	.....	0	.....
United States	1,395,695	126,110,857	108.07	43	131,376	3,546.88	99,059	7,621,597	123.82

[1] Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-10.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2018

(CP28, CP29, and CP30)

State	CP28 Farmable wetland pilot (buffer)			CP29 Wildlife habitat buffer (marginal pastureland)			CP30 Wetland buffer (marginal pastureland)		
	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]
Alabama	0	0	.....	389	2,016	97.86	.....	0	.....
Alaska	.....	0	.....	.....	0	.....	141	121,457	864.46
Arkansas	0	0	.....	404	194,215	621.69	2,706	26,865	107.59
California	.....	0	.....	.....	0	.....	.....	0	.....
Colorado	4	0	.....	58	0	.....	32	0	.....
Delaware	.....	0	.....	.....	0	.....	.....	0	.....
Florida	.....	0	.....	.....	0	.....	.....	0	.....
Georgia	.....	0	.....	26	0	.....	.....	0	.....
Hawaii	.....	0	.....	.....	0	.....	.....	0	.....
Idaho	2	62	31.00	259	53,286	421.60	142	9,355	83.38
Illinois	1,077	161,981	170.57	263	39,985	282.40	33	4,143	134.12
Indiana	633	63,165	123.26	60	25,714	518.43	49	8,866	181.68
Iowa	64,497	6,979,408	148.46	9,292	2,271,102	368.82	2,280	226,457	201.85
Kansas	1,546	47,260	48.27	4	224	56.00	.....	0	.....
Kentucky	.....	0	.....	70,467	10,619,891	160.33	.....	0	.....
Louisiana	0	0	.....	.....	0	.....	176	0	.....
Maine	.....	0	.....	5	18,088	36,176.00	11	33,012	2,895.79
Maryland	.....	0	.....	1,058	207,077	399.79	160	7,992	583.36
Massachusetts	.....	0	.....	.....	0	.....	.....	0	.....
Michigan	47	3,149	185.02	4	0	.....	316	285,038	1,083.67
Minnesota	28,818	1,949,364	93.08	874	22,608	76.20	7,920	381,174	125.42
Mississippi	157	20,462	130.17	62	6,830	171.95	24	2,466	104.49
Missouri	8	0	.....	1,266	369,820	530.68	1,662	511,961	527.27
Montana	134	149	27.59	94	5,876	62.38	.....	0	.....
Nebraska	1,855	75,527	69.60	1,260	146,230	207.93	299	30,296	267.23
Nevada	.....	0	.....	.....	0	.....	.....	0	.....
New Jersey	.....	0	.....	.....	0	.....	.....	0	.....
New Mexico	.....	0	.....	.....	0	.....	.....	0	.....
New York	.....	0	.....	2,094	1,241,869	899.35	1,172	784,034	779.65
North Carolina	0	0	.....	29	41,592	8,318.40	.....	0	.....
North Dakota	61,196	2,862,193	76.54	35	0	.....	.....	0	.....
Ohio	209	17,109	99.34	3,033	261,864	155.74	132	170,407	3,322.43
Oklahoma	21	465	62.84	6	4,345	697.43	.....	0	.....
Oregon	.....	0	.....	14,402	2,540,240	343.71	494	672,466	1,361.65
Pennsylvania	.....	0	.....	1,250	395,004	527.52	473	158,607	579.49
Puerto Rico	.....	0	.....	544	12,180	60.00	.....	0	.....
South Carolina	.....	0	.....	36	90,130	3,086.64	72	147,403	2,033.99
South Dakota	60,879	2,726,090	61.36	5,030	272,729	101.79	23,975	330,883	45.72
Tennessee	.....	0	.....	74	6,756	536.17	.....	0	.....
Texas	.....	0	.....	1,913	256,323	162.67	2	2,973	1,351.36
Utah	.....	0	.....	.....	0	.....	.....	0	.....
Vermont	.....	0	.....	.....	0	.....	1	1,612	2,302.86
Virginia	.....	0	.....	800	1,149,633	1,760.22	20	0	.....
Washington	8	0	.....	860	147,284	753.37	543	669,947	1,309.80
West Virginia	.....	0	.....	.....	0	.....	.....	0	.....
Wisconsin	50	796	118.81	1,204	183,139	229.18	28	16,136	593.24
Wyoming	.....	0	.....	1,466	345,333	532.68	.....	0	.....
United States	221,140	14,907,179	97.01	118,619	20,931,384	224.08	42,862	4,603,550	291.08

[1] Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-11.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2018

(CP31, CP32, and CP33)

State	CP31 Bottomland hardwood			CP32 Hardwood trees			CP33 Upland bird habitat buffers		
	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]
Alabama	1,219	95,711	119.53	.....	0	.....	685	65,527	130.75
Alaska	.....	0	.....	.....	0	.....	.....	0	.....
Arkansas	19,715	988,093	121.48	.....	0	.....	3,621	101,231	123.70
California	.....	0	.....	.....	0	.....	.....	0	.....
Colorado	.....	0	.....	.....	0	.....	1,435	70,329	95.75
Delaware	.....	0	.....	.....	0	.....	.....	0	.....
Florida	.....	0	.....	.....	0	.....	.....	0	.....
Georgia	19	2,000	103.63	.....	0	.....	509	22,207	126.28
Hawaii	.....	0	.....	.....	0	.....	.....	0	.....
Idaho	.....	0	.....	.....	0	.....	.....	0	.....
Illinois	6,759	1,285,306	229.88	.....	0	.....	62,368	6,900,429	124.61
Indiana	8,733	1,818,374	247.88	.....	0	.....	10,119	686,012	107.54
Iowa	4,002	985,180	323.05	.....	0	.....	24,556	4,045,872	238.67
Kansas	223	31,868	214.85	.....	0	.....	26,998	1,221,758	73.90
Kentucky	659	182,258	291.72	.....	9	.....	5,789	683,285	149.16
Louisiana	51,732	2,853,768	100.38	.....	0	.....	145	9,310	95.68
Maine	.....	0	.....	.....	0	.....	.....	0	.....
Maryland	.....	0	.....	.....	0	.....	484	55,125	166.60
Massachusetts	.....	0	.....	.....	0	.....	.....	0	.....
Michigan	11	7,300	675.93	.....	0	.....	681	89,189	157.93
Minnesota	820	43,764	150.65	.....	0	.....	526	29,483	92.54
Mississippi	61,104	1,174,198	96.56	.....	0	.....	1,368	33,963	225.37
Missouri	2,143	118,415	170.39	.....	0	.....	25,142	1,641,032	109.79
Montana	.....	0	.....	.....	0	.....	404	30,974	82.00
Nebraska	9	4,778	542.95	.....	0	.....	9,642	449,495	94.98
Nevada	.....	0	.....	.....	0	.....	.....	0	.....
New Jersey	.....	0	.....	.....	0	.....	.....	0	.....
New Mexico	.....	0	.....	.....	0	.....	.....	0	.....
New York	2	2,000	869.57	.....	0	.....	.....	0	.....
North Carolina	57	1,978	139.30	.....	0	.....	3,700	129,449	116.81
North Dakota	.....	0	.....	.....	0	.....	.....	0	.....
Ohio	109	24,427	336.00	.....	0	.....	10,914	707,697	129.93
Oklahoma	486	75,806	164.51	.....	0	.....	368	976	61.00
Oregon	.....	0	.....	.....	0	.....	.....	0	.....
Pennsylvania	.....	0	.....	.....	0	.....	240	28,659	225.43
Puerto Rico	.....	0	.....	.....	0	.....	.....	0	.....
South Carolina	.....	0	.....	.....	0	.....	1,462	16,733	45.53
South Dakota	.....	0	.....	.....	0	.....	1,502	83,337	68.30
Tennessee	3,034	264,227	126.89	.....	0	.....	3,553	246,432	92.72
Texas	381	53,558	140.54	.....	0	.....	31,362	1,169,832	121.25
Utah	.....	0	.....	.....	0	.....	.....	0	.....
Vermont	.....	0	.....	.....	0	.....	.....	0	.....
Virginia	.....	0	.....	.....	0	.....	991	70,448	155.10
Washington	.....	0	.....	.....	0	.....	1,553	39,396	110.52
West Virginia	.....	0	.....	.....	0	.....	.....	0	.....
Wisconsin	.....	0	.....	1	0	.....	210	5,869	170.66
Wyoming	.....	0	.....	.....	0	.....	.....	0	.....
United States	161,217	10,013,008	142.41	1	.....	.....	230,328	18,634,048	128.51

[1] Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-12.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2018

(CP34, CP36, and CP37)

State	CP34 Flood control structure			CP36 Longleaf pine			CP37 Duck nesting habitat		
	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]
Alabama		0		14,260	2,817,598	229.62		0	
Alaska		0			0			0	
Arkansas		0			0			0	
California		0			0			0	
Colorado		0			0			0	
Delaware		0			0			0	
Florida		0		2,638	800,662	326.38		0	
Georgia		0		126,771	23,240,404	296.05		0	
Hawaii		0			0			0	
Idaho		0			0			0	
Illinois		0			0			0	
Indiana		0			0			0	
Iowa		0			0		2,443	202,037	123.83
Kansas		0			0			0	
Kentucky		0			0			0	
Louisiana		0		59	7,030	119.97		0	
Maine		0			0			0	
Maryland		0			0			0	
Massachusetts		0			0			0	
Michigan		0			0			0	
Minnesota	69	5,617	112.90		0		21,400	1,740,608	92.46
Mississippi		0		147	5,621	142.30		0	
Missouri		0			0			0	
Montana		0			0		3,394	21,954	17.79
Nebraska		0			0			0	
Nevada		0			0			*	
New Jersey		0			0			0	
New Mexico		0			0			0	
New York		0			0			0	
North Carolina		0		7,412	1,041,073	226.56		0	
North Dakota		0			0		189,626	6,360,884	49.74
Ohio		0			0			0	
Oklahoma		0			0			0	
Oregon		0			0			0	
Pennsylvania		0			0			0	
Puerto Rico		0			0			0	
South Carolina		0		14,741	1,526,266	140.45		0	
South Dakota		0			0		226,543	7,346,492	42.19
Tennessee		0			0			0	
Texas		0			0			0	
Utah		0			0			0	
Vermont		0			0			0	
Virginia		0		408	47,321	126.90		0	
Washington		0			0			0	
West Virginia		0			0			0	
Wisconsin		0			0			0	
Wyoming		0			0			0	
United States	69	5,617	112.90	166,435	29,485,975	270.12	443,406	15,671,975	48.41

[1] Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-13.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2018

(CP38, CP39, and CP40)

State	CP38 State acres for wildlife enhancement			CP39 Constructed wetlands			CP40 Aquaculture wetlands		
	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [1]
Alabama	2,114	126,966	116.01	0	0		14	504	36.52
Alaska		0		0	0		0	0	
Arkansas	18,910	1,013,061	155.10	0	0		2,012	566,485	321.13
California		0		0	0		0	0	
Colorado	73,742	3,984,181	81.67	0	0		0	29,853	
Delaware		0		0	0		0	0	
Florida		0		0	0		0	0	
Georgia	15,967	1,018,892	125.84	0	0		0	0	
Hawaii		0		0	0		0	0	
Idaho	146,900	10,637,102	78.01	0	0		0	0	
Illinois	27,522	4,459,917	213.46	30	0		0	0	
Indiana	58,452	6,551,415	133.06	0	0		0	0	
Iowa	290,081	42,471,883	159.04	252	57,992	285.69	0	0	
Kansas	198,809	6,868,779	55.06	7	830	350.21	0	0	
Kentucky	15,703	1,387,571	177.65	0	0		0	0	
Louisiana	477	33,668	92.75	5	138	156.82	3,220	559,700	173.79
Maine	2,099	368,072	417.21	0	0		0	0	
Maryland		0		0	0		0	0	
Massachusetts		0		0	0		0	0	
Michigan	11,176	2,685,257	305.83	0	0		0	0	
Minnesota	100,197	8,133,494	98.51	89	32,044	358.11	0	0	
Mississippi	12,203	1,744,887	297.75	0	0		11,154	1,451,328	172.60
Missouri	57,099	5,954,341	197.66	0	0		222	0	
Montana	89,585	4,832,132	97.60	0	0		0	0	
Nebraska	128,648	8,644,579	81.48	0	0		0	0	
Nevada		0		0		0	0		
New Jersey	979	146,337	189.00	0	0		0	0	
New Mexico	2,600	0		0	0		0	0	
New York	2,279	329,716	215.45	0	0		0	0	
North Carolina	875	103,413	212.24	0	0		58	692	197.71
North Dakota	161,560	4,377,988	47.13	0	0		0	0	
Ohio	37,752	3,194,837	156.46	84	54,829	2,383.89	0	0	
Oklahoma	8,318	2,666,125	562.18	0	0		0	0	
Oregon	5,450	304,549	63.21	0	0		0	0	
Pennsylvania		0		0	0		0	0	
Puerto Rico		0		0	0		0	0	
South Carolina	1,080	183,277	212.74	0	0		0	0	
South Dakota	174,942	5,504,011	46.06	14	0		0	0	
Tennessee	10,148	1,227,838	144.59	0	0		0	0	
Texas	178,807	14,484,513	103.16	0	0		0	0	
Utah		0		0	0		0	0	
Vermont		0		0	0		0	0	
Virginia	503	48,548	114.23	0	0		0	0	
Washington	112,371	14,585,609	165.89	0	0		0	0	
West Virginia		0		0	0		0	0	
Wisconsin	31,995	4,194,434	181.11	0	0		0	0	
Wyoming	9,831	850,974	87.95	0	0		0	0	
United States	1,989,175	163,118,365	110.90	478	145,833	457.56	16,680	2,578,709	192.29

[1] Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-14.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2018

(CP41 and CP42)

State	CP41 Flooded prairie wetlands			CP42 Pollinator Habitat [1]		
	Total acres treated	Total cost share	Avg cost share per acre treated [1]	Total acres treated	Total cost share	Avg cost share per acre treated [2]
Alabama	0	0	.....	85	10,259	122.73
Alaska	0	0	.....	0	0	.....
Arkansas	0	0	.....	50	6,553	412.14
California	0	0	.....	1,821	0	.....
Colorado	0	0	.....	19,024	2,340,907	152.40
Delaware	0	0	.....	4	2,800	700.00
Florida	0	0	.....	0	0	.....
Georgia	0	0	.....	27	3,847	167.48
Hawaii	0	0	.....	0	0	.....
Idaho	0	0	.....	7,868	685,455	101.34
Illinois	0	0	.....	105,945	45,380,384	433.52
Indiana	0	0	.....	5,283	831,546	164.38
Iowa	125	23,160	185.12	220,208	113,062,354	520.79
Kansas	0	0	.....	5,607	229,569	68.82
Kentucky	0	0	.....	4,720	1,223,489	266.91
Louisiana	0	0	.....	24	1,962	82.21
Maine	0	0	.....	0	0	.....
Maryland	0	0	.....	34	3,453	300.00
Massachusetts	0	0	.....	0	0	.....
Michigan	0	0	.....	5,647	894,348	163.96
Minnesota	1,052	72,521	80.59	14,500	3,938,682	279.56
Mississippi	0	0	.....	0	0	.....
Missouri	0	0	.....	45,174	6,138,128	223.66
Montana	0	0	.....	5,513	245,973	56.53
Nebraska	0	0	.....	28,312	1,972,672	82.49
Nevada	0	0	.....	16	2,795	173.61
New Jersey	0	0	.....	14	5,584	407.00
New Mexico	0	0	.....	725	83,328	120.00
New York	0	0	.....	44	21,152	530.38
North Carolina	0	0	.....	20	5,145	643.13
North Dakota	47,525	1,432,621	40.85	4,601	790,988	180.44
Ohio	0	0	.....	3,359	257,570	124.47
Oklahoma	0	0	.....	146	7,966	107.10
Oregon	0	0	.....	353	15,303	94.87
Pennsylvania	0	0	.....	10	1,941	285.02
Puerto Rico	0	0	.....	0	0	.....
South Carolina	0	0	.....	4	160	40.00
South Dakota	13,550	565,579	47.36	4,472	744,595	174.67
Tennessee	0	0	.....	5,048	692,314	163.97
Texas	0	0	.....	12,256	1,023,465	135.56
Utah	0	0	.....	743	62,006	83.48
Vermont	0	0	.....	0	0	.....
Virginia	0	0	.....	208	31,786	345.24
Washington	0	0	.....	3,097	300,248	117.43
West Virginia	0	0	.....	0	0	.....
Wisconsin	0	0	.....	2,246	652,877	398.58
Wyoming	0	0	.....	230	43,386	188.40
United States	62,253	2,093,881	43.59	507,439	181,714,987	394.12

[1] Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-15.—Conservation Reserve Program (CRP): Enrollment by practice, under contract, September 2018

(CP87 and CP88)

State	CP87 Grasslands-Native Grass			CP88 Grasslands-Introduced grass		
	Total acres treated	Total cost share	Avg cost share per acre treated [2]	Total acres treated	Total cost share	Avg cost share per acre treated [1]
Alabama	1,515	0		166	482,528	2,904.35
Alaska		0			0	
Arkansas		0			0	
California	847	0		588	0	
Colorado	1,134	16,368	100.00	45,686	198,692	25.36
Delaware		0			0	
Florida	378	0			0	
Georgia	1,274	2,624	17.01		0	
Hawaii		0			0	
Idaho		0		16,957	847,845	50.00
Illinois	450	0		3	0	
Indiana	54	0		11	0	
Iowa	2,129	0		540	0	
Kansas	595	261	25.02	7,973	13,818	25.00
Kentucky	2,965	0		48	0	
Louisiana	1,217	0		165	0	
Maine		0			0	
Maryland	894	11,899	46.53		0	
Massachusetts		0			0	
Michigan	6,154	19,045	146.01		0	
Minnesota	498	0		1,466	0	
Mississippi	440	0		101	0	
Missouri	1,171	0		540	75,768	1,855.24
Montana	4,804	0		32,752	0	
Nebraska	11,162	7,426	43.87	133,815	311,777	52.17
Nevada		0			0	
New Jersey	35	0			0	
New Mexico	1,944	0		73,114	804,884	70.39
New York	1,331	235,879	481.52	2	0	
North Carolina	538	0		7	0	
North Dakota	2,619	0		19,352	10,729	83.00
Ohio	2,768	37,254	178.54	61	0	
Oklahoma	1,506	0		18,626	8,629	27.57
Oregon	489	0		15,930	0	
Pennsylvania	330	35,178	676.89	110	301	15.00
Puerto Rico		0			0	
South Carolina	101	7,708	76.26		0	
South Dakota	5,514	13,555	143.11	78,640	297,260	45.74
Tennessee	1,877	5,609	67.96	1,022	0	
Texas	1,712	27,359	88.72	15,435	569,397	125.40
Utah	85	0		623	0	
Vermont		0			0	
Virginia	538	8,472	50.00	80	0	
Washington	276	0		2,753	0	
West Virginia	1,998	16,682	51.07		0	
Wisconsin	877	0		23	0	
Wyoming	1,518	0		6,605	0	
United States	63,736	445,319	163.90	473,194	3,621,628	66.49

[1] Not including acres which receive no cost share.
Total acres treated may not add due to rounding.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-16.—Emergency Conservation Program: Assistance, fiscal years 2009–2018 [1]

Year	Emergency Conservation Program
	1,000 dollars
2009	73,028
2010	76,735
2011	32,262
2012	56,114
2013	41,206
2014	22,548
2015	24,001
2016	26,017
2017	56,353
2018	94,038

[1] Totals are from unrounded data.
FSA, Conservation and Environmental Protection Division, (202) 690-1612.

Table 12-17.—Conservation Reserve Program (CRP): Enrollment by State, September 2018

State [1]	Number of contracts	Number of farms	Acres	Annual rent ($1,000)	Avg Payments [2] ($/acre)
Alabama	5,215	3,867	211,908	9,799	46.24
Alaska	14	13	2,704	103	38.09
Arkansas	5,550	3,179	231,319	17,986	77.75
California	172	133	43,054	2,302	53.47
Colorado	9,989	5,322	1,796,878	63,273	35.21
Connecticut	3	3	25	2	75.57
Delaware	359	213	3,900	538	137.97
Florida	642	531	25,448	1,226	48.19
Georgia	7,003	4,779	231,545	14,514	62.68
Hawaii	25	17	1,175	57	48.64
Idaho	3,615	2,052	540,942	28,693	53.04
Illinois	78,446	43,456	878,963	169,417	192.75
Indiana	34,132	19,131	225,265	40,926	181.68
Iowa	109,857	54,727	1,798,900	392,174	218.01
Kansas	36,655	21,246	2,014,184	88,297	43.84
Kentucky	13,414	7,050	242,587	38,345	158.07
Louisiana	4,599	2,981	282,764	24,808	87.73
Maine	254	175	5,652	266	47.11
Maryland	5,027	2,863	53,637	11,063	206.26
Massachusetts	3	3	10	2	207.20
Michigan	9,387	5,467	119,754	15,461	129.11
Minnesota	57,662	29,916	1,136,769	134,451	118.27
Mississippi	15,086	9,859	612,650	44,517	72.66
Missouri	27,783	16,571	878,754	103,137	117.37
Montana	6,581	2,980	1,118,854	34,569	30.90
Nebraska	21,300	12,377	918,947	71,812	78.15
Nevada	1	1	146	1	10.16
New Hampshire	1	1	4	0	63.00
New Jersey	342	211	1,914	177	92.72
New Mexico	1,697	1,094	411,344	13,607	33.08
New York	1,699	1,239	26,969	2,459	91.19
North Carolina	4,107	2,884	58,994	4,351	73.76
North Dakota	21,352	11,061	1,305,136	67,728	51.89
Ohio	36,085	19,939	247,768	42,981	173.47
Oklahoma	5,467	3,806	634,137	21,400	33.75
Oregon	3,771	2,087	444,025	28,100	63.28
Pennsylvania	8,495	5,660	140,849	17,960	127.51
Puerto Rico	14	14	1,075	66	61.68
Rhode Island	1	1	28	2	74.00
South Carolina	3,013	1,748	62,305	2,538	40.73
South Dakota	30,576	13,940	1,106,917	101,063	91.30
Tennessee	5,382	3,641	131,773	12,610	95.70
Texas	18,928	13,810	2,828,197	104,474	36.94
Utah	796	515	160,970	5,499	34.16
Vermont	393	285	2,605	296	113.71
Virginia	4,223	3,248	37,778	2,592	68.62
Washington	10,988	5,062	1,204,696	72,318	60.03
West Virginia	530	436	7,896	520	65.81
Wisconsin	14,831	9,391	219,354	31,248	142.45
Wyoming	777	505	198,260	5,168	26.07
United States	626,242	349,490	22,609,724	1,844,896	81.60

* Data withheld to avoid disclosure of individual operations. [1] State in which land is located. [2] Payments made October 2018.
FSA, Conservation and Environmental Programs Division, (202) 690-1612.

Table 12-18.—Forest land: Total forest land and area and ownership of timberland, by regions, Jan. 1, 2017 [1]

Region	Total forest land [2]	Timberland [3]							
		All ownerships	Federal			State, county, and municipal	Private		
			Total	National forest	Other		Total	Private corporate	Private non-corporate [4]
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 acres*
Northeast	84,727	78,539	2,852	2,355	498	10,103	65,586	22,090	43,496
North Central	91,062	86,355	8,495	7,792	704	15,549	62,310	8,106	54,204
North	175,789	164,894	11,348	10,146	1,202	15,650	127,896	30,196	97,700
Southeast	89,692	85,754	7,016	5,061	1,955	5,618	73,119	27,283	45,836
South Central	155,821	122,338	9,380	7,197	2,183	3,942	109,016	36,220	72,795
South	245,513	208,092	16,397	12,258	4,138	9,561	182,135	63,504	118,632
Great Plains	6,797	6,084	1,217	1,051	166	265	4,602	202	4,400
Intermountain	123,844	63,569	45,894	43,154	2,740	2,927	14,748	4,890	9,858
Rocky Mountains	130,641	69,654	47,111	44,206	2,905	3,193	19,350	5,091	14,259
Alaska	128,735	12,996	4,874	3,848	1,025	4,810	3,313	2,827	486
Pacific Northwest	51,827	41,462	19,200	16,802	2,397	3,637	18,625	10,903	7,722
Pacific Southwest [5]	32,986	17,326	9,249	8,877	372	245	7,833	4,634	3,198
Pacific Coast	213,549	71,784	33,323	29,527	3,795	8,691	29,771	18,364	11,406
All regions	765,493	514,425	108,178	96,138	12,040	47,095	359,152	117,155	241,997

[1] Forest Resources of the United States, 2017. Data may not add to totals because of rounding. [2] Forest land is land at least 10 percent stocked by forest trees of any size, including land that formerly had such tree cover and that will be naturally or artificially regenerated. Forest land includes transition zones, such as areas between heavily forested and nonforested lands that are at least 10 percent stocked with forest trees, and forest areas. The minimum area for classification of forest land is 1 acre. Roadside, streamside, and shelterbelt strips of timber must have a crown width at least 120 feet wide to qualify as forest land. Unimproved roads and trails, streams, and clearings in forest areas are classified as forest if less than 120 feet in width. [3] Timberland is forest land that is producing or is capable of producing crops of industrial wood and that is not withdrawn from timber utilization by statute or administrative regulation. Areas qualifying as timberland have the capability of producing more than 20 cubic feet per acre per year of industrial wood in natural stands. Currently inaccessible and inoperable areas are included. [4] Includes Indian lands. [5] Includes Hawaii.

Prepared by Forest Service Research and Development, Washington Office, IMAR Staff.

Table 12-19.—Timber volume: Net volume of growing stock on timberland, by softwoods and hardwoods, and regions, 2017 [1]

Region	Growing stock [2]		
	All species	Softwoods	Hardwoods
	Million cubic feet		
Northeast	152,780	37,108	115,672
North Central	117,261	23,494	93,768
North	270,041	60,601	209,440
Southeast	142,603	67,540	75,063
South Central	176,485	73,767	102,717
South	319,088	141,307	177,781
Great Plains	4,487	1,885	2,601
Intermountain	125,518	117,217	8,301
Rocky Mountains	130,005	119,102	10,903
Alaska	37,140	33,761	3,379
Pacific Northwest	159,238	146,480	12,758
Pacific Southwest [3]	69,726	59,273	10,452
Pacific Coast	266,104	239,515	26,589
All regions	985,238	560,526	424,712

[1] Forest Resources of the United States, 2017. Data may not add to totals because of rounding. [2] Live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. Includes only trees 5.0-inches diameter or larger at 4½ feet above ground. [3] Includes Hawaii.

Prepared by Forest Service Research and Development, Washington Office, IMAR Staff.

Table 12-20.—Total volume of roundwood harvested in the United States, by sources and category, 2016 [1]

Category	All sources			Growing stock [2]			Other sources [3]		
	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods
	Million cubic feet								
Roundwood products:									
Sawlogs	5,521	4,075	1,446	5,334	3,959	1,374	187	115	72
Pulpwood	5,368	3,640	1,728	4,772	3,280	1,493	596	360	235
Veneer logs	660	590	69	648	582	65	12	8	4
Other products [4]	728	575	153	563	423	141	165	153	12
Fuelwood [5]	1,695	599	1,096	332	149	183	1,363	450	913
Total	13,972	9,480	4,493	11,650	8,393	3,257	2,323	1,086	1,236
Logging residue [6]	3,758	1,942	1,815	1,126	451	676	2,631	1,492	1,139
Other removals [7]	510	134	376	274	67	207	236	67	169
Total	4,268	2,076	2,191	1,400	518	883	2,867	1,559	1,308

[1] Forest Resources of the United States, 2017. Data may not add to totals because of rounding. [2] Includes live trees of commercial species meeting specified standards of quality or vigor. Cull trees are excluded. Includes only trees 5.0-inches diameter or larger at 4½ feet above ground. [3] Includes salvable dead trees, rough and rotten trees, trees of noncommercial species, trees less than 5.0-inches diameter at 4½ feet above ground, tops, and roundwood harvested from nonforest land (for example, fence rows). [4] Includes poles, pilings, posts, cooperage and miscellaneous products. [5] Downed and dead wood volume left on the ground after trees have been cut on timberland. [6] Net of wet rot or limbs. [7] Unutilized wood volume from cut or otherwise killed growing stock, from nongrowing stock sources on timberland (for example, precommercial thinnings), or from timberland clearing. Does not include volume removed from inventory through reclassification of timberland to reserved timberland.

Prepared by Forest Service Research and Development, Washington Office, IMAR Staff.

Table 12-21.—Net annual growth, removals, and mortality of growing stock on timberland in the United States, 2016 [1]

Region	Growth [2]			Removals [3]			Mortality [4]		
	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods	All species	Soft-woods	Hard-woods
	Million cubic feet								
Northeast	3,264	917	2,347	1,176	377	799	1,242	336	906
North Central	2,668	629	2,039	1,315	277	1,038	1,379	231	1,147
North	5,932	1,546	4,386	2,491	654	1,837	2,621	567	2,053
Southeast	6,393	4,285	2,108	3,527	2,736	790	1,085	528	557
South Central	7,371	4,983	2,388	4,333	2,911	1,422	1,845	630	1,215
South	13,764	9,268	4,496	7,859	5,647	2,212	2,930	1,158	1,772
Great Plains	57	(2)	59	34	29	6	82	43	39
Intermountain	242	192	50	370	367	3	2,487	2,354	133
Rocky Mountain	299	189	109	404	396	9	2,570	2,397	173
Alaska	254	133	121	39	39	-	302	275	27
Pacific Northwest	3,707	3,423	284	1,891	1,811	81	1,201	1,030	171
Pacific Southwest [5]	1,054	909	145	355	355	-	574	472	102
Pacific Coast	5,015	4,465	550	2,286	2,204	82	2,078	1,777	300
All regions	25,009	15,468	9,542	13,041	8,901	4,140	10,198	5,900	4,299

[1] Forest Resources of the United States, 2017. Data may not add to totals because of rounding. [2] The net increase in the volume of trees during a specified year. Components include the increment in net volume of trees at the beginning of the specific year surviving to its end, plus the net volume of trees reaching the minimum size class during the year, minus the volume of trees that died during the year, and minus the net volume of trees that became cull trees during the year. [3] The net volume of trees removed from the inventory during a specified year by harvesting, cultural operations such as timber stand improvement, or land clearing. [4] The volume of sound wood in trees that died from natural causes during a specified year. [5] Includes Hawaii.

Prepared by Forest Service Research and Development, Washington Office, IMAR Staff.

Table 12-22.—Net volume of growing stock on timberland in the Western United States, region and species, 2017

Species	Total West	Inter-mountain	Alaska	Pacific Northwest	Pacific Southwest [2]	Great Plains
	Million cubit feet					
Softwoods:						
Douglas-fir	128,235	30,003	0	79,650	18,582	0
Ponderosa and Jeffrey pines	42,389	17,118	0	12,389	11,143	1,739
True fir	54,703	23,272	17	16,791	14,624	0
Western hemlock	34,770	1,486	13,009	20,175	101	0
Sugar pine	3,684	0	0	675	3,009	0
Western white pine	1,057	418	0	318	321	0
Redwood	5,904	0	0	21	5,883	0
Sitka spruce	12,149	0	10,536	1,405	208	0
Engelmann and other spruces	24,408	18,601	4,302	1,505	0	0
Western larch	6,242	4,117	3	2,122	0	0
Incense cedar	4,381	0	0	873	3,508	0
Lodgepole pine	19,765	15,661	84	2,960	1,060	0
Other softwoods	20,931	6,544	5,811	2,260	834	146
Total	358,617	117,217	33,761	146,480	59,273	2,021
Hardwoods:						
Cottonwood and aspen	10,990	8,082	1,126	748	46	988
Red alder	6,711	20	140	6,220	331	0
Oak	5,175	0	0	608	4,114	453
Other	14,615	199	2,114	5,181	5,961	1,160
Total	37,492	8,301	3,379	12,758	10,452	2,601
All species	396,109	125,518	37,140	159,238	69,726	4,487

[1] Forest Resources of the United States, 2017. International ¼-inch rule. Data may not add to totals because of rounding. [2] Includes Hawaii.
Prepared by Forest Service Research and Development, Washington Office, IMAR Staff.

Table 12-23.—Net volume of softwood growing stock on timberland in the Eastern United States, by region and species, 2017 [1]

Species	Total East	North		South	
		Northeast	North Central	Southeast	South Central
	Million cubit feet				
Softwoods:					
Longleaf and slash pines	17,820	0	0	13,320	4,500
Loblolly and shortleaf pines	105,748	882	1,093	42,253	61,520
Other yellow pines	8,585	1,784	358	4,690	1,752
White and red pines	25,508	12,945	9,620	2,350	592
Jack pine	912	6	906	0	0
Spruce and balsam fir	13,646	9,202	4,374	70	0
Eastern hemlock	11,252	9,005	1,342	413	493
Cypress	7,309	11	11	3,969	3,318
Other	11,128	3,273	5,789	474	1,592
Total	201,909	37,108	23,494	67,540	73,767
Hardwoods:					
Select white oaks	35,869	5,885	10,132	7,680	12,172
Select red oaks	28,764	12,064	7,007	3,489	6,204
Other white oaks	23,036	5,670	2,187	5,659	9,520
Other red oaks	45,323	6,047	8,109	11,746	19,421
Hickory	23,104	4,146	5,533	3,896	9,529
Yellow birch	4,585	3,778	731	72	3
Hard maple	26,937	13,899	10,049	531	2,097
Soft maple	41,951	22,095	11,229	5,266	3,360
Beech	8,570	4,921	1,059	922	1,668
Sweetgum	20,431	686	251	8,407	11,086
Tupelo and black gum	11,743	829	337	5,846	4,732
Ash	18,948	6,941	6,310	1,823	3,874
Basswood	6,349	2,012	3,527	361	449
Yellow-poplar	33,998	7,554	3,046	14,594	8,804
Cottonwood and aspen	15,539	3,756	11,125	121	537
Black walnut	3,130	479	1,859	253	540
Black cherry	10,655	6,752	2,593	509	800
Other	28,292	8,157	8,325	3,888	7,921
Total	387,221	115,672	93,768	75,063	102,717
All species	589,129	152,780	117,261	142,603	176,485

[1] Forest Resources of the United States, 2017. International ¼-inch rule. Data may not add to totals because of rounding.
Prepared by Forest Service Research and Development, Washington Office, IMAR Staff.

Table 12-24.—. National Forest System: National Forest System lands and other lands within National Forest System boundaries in States and Territories, as of September 30, 2018

State or other area	Gross acreage	National Forest System acreage [1]	Other acreage [2]
	1,000 acres		
Alabama	1,290	671	620
Alaska	23,930	22,139	1,791
Arizona	11,812	11,179	633
Arkansas	3,549	2,593	956
California	24,288	20,792	3,496
Colorado	15,960	14,487	1,473
Connecticut	0.02	0.02	0
Florida	1,423	1,203	220
Georgia	1,797	868	929
Idaho	21,714	20,448	1,266
Illinois	958	305	653
Indiana	647	204	443
Kansas	109	109	0
Kentucky	2,205	818	1,387
Louisiana	1,032	609	423
Maine	94	54	41
Michigan	4,888	2,875	2,013
Minnesota	5,488	2,845	2,643
Mississippi	2,374	1,191	1,183
Missouri	3,093	1,508	1,585
Montana	19,188	17,186	2,002
Nebraska	562	351	211
Nevada	6,288	5,761	527
New Hampshire	851	754	97
New Mexico	10,249	9,225	1,024
New York	17	16	0
North Carolina	3,026	1,256	1,770
North Dakota	1,103	1,103	0
Ohio	856	244	612
Oklahoma	759	400	359
Oregon	17,654	15,697	1,957
Pennsylvania	741	514	227
South Carolina	1,378	634	744
South Dakota	2,436	2,006	430
Tennessee	1,291	722	569
Texas	2,002	757	1,245
Utah	9,211	8,193	1,018
Vermont	837	411	426
Virginia	3,253	1,668	1,585
Washington	11,989	9,335	2,654
West Virginia	1,892	1,046	846
Wisconsin	2,003	1,525	478
Wyoming	9,726	9,216	510
Puerto Rico	56	29	27
Virgin Islands	0.14	0.14	0

Reference: Land Areas of the National Forest System 2015 Report.

[1] *National Forest System acreage.*—A nationally significant system of Federally owned units of forest, range, and related land consisting of national forests, purchase units, national grasslands, land utilization project areas, experimental forest areas, experimental range areas, designated experimental areas, other land areas; water areas, and interests in lands that are administered by USDA Forest Service or designated for administration through the Forest Service.

National forests.—Units formally established and permanently set aside and reserved for national forest purposes.

Purchase units.—Units designated by the Secretary of Agriculture or previously approved by the National Forest Reservation Commission for purposes of Weeks Law Acquisition.

National grasslands.—Units designated by the Secretary of Agriculture and permanently held by the Department of Agriculture under Title III of the Bankhead-Jones Farm Tenant Act.

Land utilization projects.—Units designated by the Secretary of Agriculture for conservation and utilization under Title III of the Bankhead-Jones Farm Tenant Act.

Research and experimental areas.—Units reserved and dedicated by the Secretary of Agriculture for forest or range research and experimentation.

Other areas.—Units administered by the Forest Service that are not included in the above groups.

[2] *Other acreage.*—Lands within the unit boundaries in private, State, county, and municipal ownership and Federal lands over which the Forest Service has no jurisdiction. Areas of such lands which have been offered to the United States and have been approved for acquisition and subsequent Forest Service administration, but to which title had not yet been accepted by the United States.

Prepared by Forest Service Research and Development, Washington Office, IMAR Staff.

Table 12-25.—Forest products cut on National Forest System lands: Volume and value of timber cut and value of all products, United States, fiscal years 2009–2018

Year	Timber cut [1]		Value of miscellaneous forest products [3]	Total value including free-use timber
	Volume	Value [2]		
	Million bd. ft.	*1,000 dollars* [4]	*1,000 dollars* [4]	*1,000 dollars* [4]
2009 [5]	1,954	66,833	3125	98,088
2010 [5]	2,138	72,174	3263	104,809
2011 [5]	2,440	105,869	2603	131,904
2012 [5]	2,500	112,943	2748	140,428
2013 [5]	2,408	114,878	2850	143,383
2014 [5]	2,437	122,794	2618	148,979
2015 [5]	2,543	129,186	3346	162,651
2016	2,537	162,444	2,962	165,406
2017	2,596	175,847	2,906	178,753
2018	2,797	185,285	3,480	188,765

[1] Commercial and cost sales and land exchanges. [2] Includes collections for forest restoration or improvement under the Knutson-Vandenberg Act, 1930. [3] Includes materials not measurable in board feet, such as Christmas trees, tanbark, turpentine, seedlings, Spanish moss, etc. [4] Nominal dollars not adjusted for inflation. [5] Revised in 2019.

Prepared by Forest Service Research and Development, Washington Office, IMAR Staff. Source: USDA Forest Service, Forest Products Cut and Sold from the National Forests. https://www.fs.fed.us/forestmanagement/products/cut-sold/index.shtml.

Table 12-26.—Lumber: Production, United States, 2009–2018

Year	Total	Softwoods [1]	Hardwoods [2]
	Million bd. ft.		
2009	30,229	23,240	6,989
2010	30,461	24,802	5,659
2011	33,304	26,754	6,550
2012	34,791	28,256	6,535
2013	37,321	29,982	7,339
2014	39,810	31,490	8,320
2015 [3]	42,085	32,028	9,538
2016 [3]	42,085	32,535	9,550
2017	43,538	33,888	9,650
2018	44,508	34,908	9,600

[1] Source: Howard, James L.; Liang, Shaobo. 2019. U.S. timber production, trade, consumption, and price statistics, 1965-2017. USDA Forest Service Research Paper FPL-RP-701. [2] In-house estimate. [3] Revised in 2019.

Prepared by Forest Service Research and Development, Washington Office, IMAR Staff.

Table 12-27.—Timber products: Production, imports, exports, and consumption, United States, 2008–2017

Year	Industrial roundwood used for—										
	Lumber				Plywood and veneer				Pulpwood chip		Other industrial products, production and consumption [1]
	Production	Imports	Exports	Consumption	Production	Imports	Exports	Consumption	Imports	Exports	
	Million cu. ft.										
2008	5,395	1,894	345	6,945	754	184	45	884	5	257	290
2009	4,576	1,347	288	5,636	616	146	34	728	9	196	294
2010	4,569	1,422	341	5,650	655	137	55	736	9	235	294
2011	5,005	1,403	387	6,022	651	139	52	738	9	235	294
2012	5,219	1,480	374	6,324	679	139	57	761	9	235	294
2013	5,607	1,675	406	6,911	703	147	55	796	9	234	294
2014	5,995	1,869	406	7,458	693	187	46	834	9	234	294
2015	6,065	2,100	371	7,793	683	222	38	867	9	235	294
2016	6,143	2,426	527	8,042	703	263	43	923	6	262	732
2017	6,338	2,328	580	8,086	729	274	47	967	2	280	822

Year	Industrial roundwood used for—									
	Pulpwood-based products				Logs		Total			
	Production	Imports [2]	Exports [2]	Consumption	Imports	Exports	Production	Imports	Exports	Consumption
	Million cu. ft.									
2008	4,899	1,068	818	5,149	35	313	11,900	3,187	1,779	13,308
2009	4,733	902	785	4,849	17	322	10,737	2,421	1,625	11,532
2010	4,779	911	832	4,857	20	407	10,938	2,498	1,870	11,566
2011	4,748	887	899	4,736	19	485	11,418	2,457	2,058	11,817
2012	5,805	883	875	5,815	28	432	12,663	2,539	1,972	13,231
2013	5,959	942	1,073	5,827	26	463	13,260	2,799	2,231	13,862
2014	6,562	1,205	1,340	6,427	22	444	14,222	3,292	2,470	15,044
2015	6,569	1,172	1,348	6,392	22	279	14,124	3,524	2,272	15,376
2016	5,099	896	995	5,000	24	390	13,329	3,615	2,216	14,727
2017	5,081	875	1,013	4,943	32	393	13,643	3,511	2,315	14,851

Year	Fuelwood production and consumption	Production, all products	Consumption, all products
	Million cu. ft.		
2008	1,510	13,410	14,818
2009	1,400	12,137	12,932
2010	1,380	12,318	12,946
2011	1,366	12,784	13,183
2012	1,440	14,103	14,671
2013	1,520	14,780	15,382
2014	1,566	15,788	16,610
2015	1,566	15,690	16,942
2016	2,195	15,524	16,922
2017	2,273	15,917	17,124

[1] Includes cooperage logs, poles and piling, fence posts, hewn ties, round mine timbers, excelsior bolts, chemical wood, shingle bolts, and miscellaneous items. [2] Includes both pulpwood and the pulpwood equivalent of wood pulp, paper, and board.

Prepared by Forest Service Research and Development, Washington Office, IMAR Staff.

Table 12-28.—Timber products: Producer price indexes, selected products, United States, 2009–2018

[2009=100]

Year	Lumber	Softwood plywood	Woodpulp	Paper	Paperboard
2009	100.0	100.0	100.0	100.0	100.0
2010	112.0	114.7	123.8	101.4	108.5
2011	111.5	108.1	129.7	106.5	111.2
2012	115.4	127.2	123.8	106.7	110.0
2013	133.0	137.7	120.3	106.2	117.6
2014	143.8	142.7	122.3	107.3	120.0
2015	133.4	136.4	120.9	105.7	117.3
2016	133.9	122.8	115.6	103.3	108.8
2017	145.4	136.6	107.5	103.8	124.3
2018	155.4	159.7	143.7	110.0	132.0

Prepared by Forest Service Research and Development, Washington Office, IMAR Staff. Source: Federal reserve Bank of St. Louis Economic Data Service (https://fred.stlouisfed.org/)

Table 12-29.—Timber products: Pulpwood consumption, woodpulp production, and paper and board production and consumption, United States, 2009–2018

Year	Pulpwood consumption [1]	Woodpulp production [2]	Paper and board [3]		
			Production	Consumption or new supply [4]	Per capita consumption
	1,000 cords [5]	*1,000 tons*	*1,000 tons*	*1,000 tons*	*Pounds*
2009	79,992	52,122	78,299	81,767	532
2010	80,307	55,343	82,968	85,331	551
2011	80,040	55,125	81,519	82,858	531
2012	81,422	55,475	80,916	82,321	524
2013	91,251	54,466	80,478	78,603	497
2014	92,186	53,367	79,488	78,046	490
2015	93,141	53,000	79,024	77,444	481
2016	92,004	52,064	78,342	76,002	484
2017	90,873	52,084	78,445	76,625	470
2018	92,232	52,863	78,114	76,766	468

[1] Includes changes in stocks. [2] Excludes defibrated and exploded woodpulp used for hard pressed board. [3] Excludes hardboard. Includes wet machine board and construction grades. [4] Production plus imports and minus exports (excludes products); changes in inventories not taken into account. [5] One cord equals 128 cubic feet.

Prepared by Forest Service Research and Development, Washington Office, IMAR Staff. Source: 2009-2016--Howard, James L.; Liang, Shaobo. 2019. U.S. timber production, trade, consumption, and price statistics, 1965-2017. USDA Forest Service Research Paper FPL-RP-701. 2017-2018--In house estimate. All series compiled from Compiled from U.S. Department of Commerce and American Forest and Paper Association.

Table 12-30.—Lumber and competing engineered wood products: Production by type of product, 2009–2018

Year	Laminated veneer lumber	Wood glulam	Structural Panels		Lumber	
			Oriented strandboard	Softwood Plywood	Hardwood	Softwood
	Million cubic feet	*Million board feet*	*Million square feet* (3/8-in. basis)	*Million square feet* (3/8-in. basis)	*Billion board feet*	*Billion board feet*
2009	30	167	9,598	8,608	7.0	23.2
2010	37	176	10,299	9,131	5.7	24.8
2011	38	184	10,039	8,980	6.6	26.8
2012	46	204	11,038	9,181	6.5	28.3
2013	54	230	12,492	9,346	7.3	30.0
2014	60	233	13,008	8,985	8.3	31.5
2015	61	252	13,283	8,751	8.3	32.0
2016	65	257	13,922	8,809	9.6	32.5
2017	73	271	14,609	9,026	9.7	33.8
2018	71	281	15,129	8,869	9.6	34.9

Prepared by Forest Service Research and Development, Washington Office, IMAR Staff. Sources: APA-The Engineered Wood Association; US Department of Commerce, Bureau of the Census; American Forest andPaper Association; Luppold and Dempsey. Hardwood Market Report: 2008-present.

CHAPTER XIII

CONSUMPTION AND FAMILY LIVING

The statistics in this chapter deal with the consumption of food by both rural and urban people, retail price levels, and other aspects of family living of farm people. Data presented here on quantities of food available for consumption are based on material presented in the earlier commodity chapters, but they are shown here at the retail level, a form that is more useful for an analysis of the demand situation faced by the producer. Data on quantities of farm-produced food consumed directly by farm households are presented in the commodity chapters. Its value and the rental value of the farm home are given in the section on farm income.

Table 13-1.—Population: Number of people eating from civilian food supplies, United States, Jan. 1 and July 1, 2011-2018

Year	Jan. 1	July 1
2011	309,335,215	310,362,359
2012	311,584,613	312,634,059
2013	313,844,886	314,815,159
2014	316,078,106	317,160,490
2015	318,474,252	319,546,159
2016	320,808,676	321,868,857
2017	323,032,791	323,956,506
2018	325,032,134	325,980,513

Monthly Population Estimates for the United States: April 1, 2010 to December 1, 2019. Source: U.S. Census Bureau, Population Division. Release Date: December 2018.
ERS, Rural Economy Branch (202) 694–5435.

Table 13-2.—Macronutrients: Quantities available for consumption per capita per day, United States, 2001–2010 [1]

Year	Food energy	Carbohydrate	Dietary fiber	Protein	Total fat	Saturated fatty acids	Monounsaturated fatty acids	Polyunsaturated fatty acids	Cholesterol
	Kilocalories	*Grams*	*Grams*	*Grams*	*Grams*	*Grams*	*Grams*	*Grams*	*Milligrams*
2001	4,100	500	24	122	192	61	84	38	470
2002	4,200	495	24	123	199	63	87	40	480
2003	4,200	492	24	124	202	64	88	40	480
2004	4,200	491	25	125	202	64	88	40	490
2005	4,100	488	25	123	194	61	84	40	470
2006	4,100	485	25	124	196	62	83	41	480
2007	4,100	480	24	123	196	61	82	43	470
2008	4,100	478	24	121	194	60	80	45	470
2009	4,000	471	24	120	185	57	75	42	460
2010	4,000	474	25	120	190	59	77	44	460

[1] Data are based on Economic Research Service estimates of per capita quantities of food available for consumption. Center for Nutrition Policy and Promotion (CNPP), (703) 305–7600.

Table 13-3.—Vitamins: Quantities available for consumption per capita per day, United States, 2001–2010 [1]

Year	Vitamin A	Carotenes	Vitamin E	Vitamin C	Thiamin	Riboflavin	Niacin	Vitamin B_6	Folate	Folate, Dfe	Vitamin B_{12}
	Micrograms RAE	*Micrograms RE*	*Milligrams AT*	*Milligrams*	*Milligrams*	*Milligrams*	*Milligrams*	*Milligrams*	*Micrograms*	*Micrograms*	*Micrograms*
2001	960	670	20.6	113	3	3.1	35	2.6	690	900	10
2002	940	630	21.7	112	3	3.1	35	2.6	682	888	10
2003	950	660	21.7	114	3	3.1	35	2.6	690	899	10
2004	960	670	21.7	113	3	3.1	35	2.7	685	893	10.1
2005	910	650	21.4	111	3	3.1	35	2.6	682	889	9.9
2006	930	650	21.4	109	3	3.1	35	2.6	684	892	9.9
2007	940	630	22.1	107	3	3.1	35	2.6	678	886	9.8
2008	930	630	22.4	106	2.9	3	34	2.5	673	881	9.6
2009	920	610	21.3	105	2.9	3	34	2.5	673	881	9.6
2010	920	630	21.9	105	2.9	3	34	2.5	681	889	9.3

[1] Data are based on USDA Economic Research Service estimates of per capita quantities of food available for consumption. Seafood estimates from the National Oceanic and Atmospheric Administration. Game harvest estimates from the individual States or from the Wildlife Management Institute. Imputed data for foods no longer reported or available. Values in the USDA Agricultural Research, National Nutrient Database for Standard Reference, Release 26. Components may not add to 100 because of rounding.

Calculated by USDA/Center for Nutrition Policy and Promotion, (703) 305–7600. Data last updated May 15, 2014.

Table 13-4.—Minerals: Quantities available for consumption per capita per day, United States, 2001–2010 [1]

Year	Calcium	Phosphorus	Magnesium	Iron	Zinc	Copper	Potassium	Sodium	Selenium
	Milligrams	*Milligrams*	*Milligrams*	*Milligrams*	*Milligrams*	*Milligrams*	*Milligrams*	*Milligrams*	*Micrograms*
2001	1020	1850	410	24.8	18.1	2.1	3,960	1,270	191.8
2002	1020	1840	410	24.7	18.1	2.1	3,930	1,280	192.2
2003	1020	1870	410	24.9	18.2	2.1	3,970	1,340	195.8
2004	1030	1880	420	25	18.3	2.2	3,990	1,340	195.7
2005	1010	1840	410	24.9	18.1	2.2	3,890	1,250	191.2
2006	1020	1850	420	25.1	18.1	2.2	3,890	1,230	192.9
2007	1030	1850	410	24.9	18.2	2.2	3,870	1,240	193.7
2008	1030	1830	410	24.6	17.8	2.1	3,800	1,210	189.4
2009	1040	1820	400	24.4	17.7	2.1	3,770	1,220	188.8
2010	1030	1810	410	24.6	17.6	2.1	3,760	1,210	187.2

[1] Data are based on USDA Economic Research Service estimates of per capita quantities of food available for consumption. Seafood estimates from the National Oceanic and Atmospheric Administration. Game harvest estimates from the individual States or from the Wildlife Management Institute. Imputed data for foods no longer reported or available. Values in the USDA Agricultural Research, National Nutrient Database for Standard Reference, Release 26. Components may not add to 100 because of rounding.

Calculated by USDA/Center for Nutrition Policy and Promotion, (703) 305–7600. Data last updated May 15, 2014.

Table 13-5.—Food nutrients: Percentage of total contributed by major food groups, 2010 [1]

Nutrient	Meat, poultry, fish	Dairy products	Eggs	Legumes, nuts, soy	Grain products	Fruits		
						Citrus	Non-citrus	Total
	Percent	*Percent*	*Percent*	*Percent*	*Percent*	*Percent*	*Percent*	*Percent*
Kilocalories	16.1	10.0	1.2	3.4	23.4	0.7	2.1	2.8
Carbohydrate	0.1	6.0	0.1	2.4	41.5	1.4	4.4	5.8
Fiber	0.0	1.1	0.0	16.2	35.1	2.1	9.3	11.3
Protein	43.1	18.9	3.6	6.4	20.7	0.4	0.7	1.1
Total fat	24.8	11.5	1.8	4.1	2.3	0.0	0.5	0.5
Saturated fatty acids	28.9	23.1	1.8	2.4	1.6	0.0	0.3	0.3
Monounsaturated fatty acids	28.0	7.8	1.7	4.6	1.3	0.0	0.7	0.7
Polyunsaturated fatty acids	11.5	1.8	1.1	5.2	3.7	0.0	0.4	0.4
Cholesterol	47.7	15.7	31.9	0.0	0.0	0.0	0.0	0.0
Vitamin A (RAE)	21.0	21.5	5.2	0.0	6.5	0.5	2.0	2.5
Carotene	0.0	2.3	0.0	0.1	0.8	1.1	6.8	7.9
Vitamin E	4.1	2.1	1.8	5.6	4.2	0.6	2.1	2.7
Vitamin C	1.9	1.4	0.0	0.1	6.0	24.2	17.8	42.0
Thiamin	18.1	5.3	0.7	5.1	60.0	1.4	1.4	2.8
Riboflavin	17.7	27.5	5.4	2.1	38.2	0.4	1.6	1.9
Niacin	38.6	1.3	0.1	4.3	43.4	0.4	1.5	1.9
Vitamin B_6	40.6	6.4	2.0	4.1	19.8	1.1	5.3	6.4
Folate (DFE)	3.2	2.8	1.8	8.2	70.7	2.5	1.6	4.1
Vitamin B_{12}	72.2	22.8	4.8	0.0	0.1	0.0	0.0	0.0
Calcium	3.6	71.8	1.8	4.6	4.8	1.0	1.3	2.3
Phosphorus	26.7	31.6	3.7	6.7	18.9	0.5	1.2	1.8
Magnesium	13.9	13.9	1.0	14.7	24.1	1.5	4.1	5.6
Iron	17.1	1.8	2.6	7.8	51.2	0.3	1.7	2.1
Zinc	41.7	16.2	2.2	5.5	24.7	0.2	0.9	1.1
Copper	21.5	3.0	1.6	20.4	21.5	1.2	3.8	5.0
Potassium	19.8	17.8	1.2	10.1	9.9	2.9	6.9	9.8
Sodium	19.0	37.5	4.0	0.3	1.1	0.1	2.7	2.8
Selenium	30.0	12.5	5.9	7.1	40.4	0.1	0.3	0.3

Nutrient	Vegetables					Fats, oils	Sugars, sweeteners	Miscellaneous
	White potatoes	Dark green, deep yellow	Tomatoes	Other	Total			
	Percent	*Percent*	*Percent*	*Percent*	*Percent*	*Percent*	*Percent*	*Percent*
Kilocalories	1.9	0.4	0.5	1.1	3.8	22.5	15.8	0.9
Carbohydrate	3.6	0.8	1.0	2.0	7.4	0.0	35.3	1.5
Fiber	6.5	4.0	3.8	8.4	22.7	0.0	0.0	13.5
Protein	1.7	0.6	0.6	1.5	4.4	0.1	0.0	1.8
Total fat	0.1	0.1	0.1	0.1	0.3	53.8	0.0	0.9
Saturated fatty acids	0.1	0.0	0.0	0.1	0.2	40.6	0.0	1.1
Monounsaturated fatty acids	0.0	0.0	0.0	0.1	0.1	54.9	0.0	0.8
Polyunsaturated fatty acids	0.1	0.1	0.1	0.3	0.5	75.2	0.0	0.6
Cholesterol	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0
Vitamin A (RAE)	0.0	25.9	1.9	5.5	33.3	8.2	0.0	1.7
Carotene	0.0	70.4	4.3	7.8	82.5	1.7	0.0	4.7
Vitamin E	0.3	1.4	2.7	1.3	5.7	72.8	0.0	0.4
Vitamin C	14.4	15.2	6.8	11.1	47.4	0.0	0.0	1.3
Thiamin	3.5	0.9	0.7	2.2	7.2	0.0	0.1	0.6
Riboflavin	0.8	1.2	0.9	2.0	4.9	0.1	0.6	1.5
Niacin	3.6	0.8	1.6	1.8	7.8	0.0	0.0	2.7
Vitamin B_6	8.9	3.0	2.4	4.5	18.8	0.0	0.2	1.8
Folate (DFE)	1.4	1.9	1.0	3.7	8.0	0.0	0.0	1.2
Vitamin B_{12}	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
Calcium	0.8	1.5	0.9	3.1	6.4	0.3	0.5	3.9
Phosphorus	2.2	1.0	0.9	2.4	6.5	0.1	0.1	3.9
Magnesium	4.1	2.1	1.9	4.1	12.1	0.1	0.6	14.1
Iron	2.7	1.1	1.6	2.7	8.2	0.1	0.6	8.7
Zinc	1.5	0.7	0.6	1.8	4.6	0.1	0.2	3.7
Copper	3.6	1.7	2.6	2.9	10.7	0.0	1.3	14.9
Potassium	9.1	3.5	4.6	5.4	22.5	0.1	0.5	8.3
Sodium	2.9	1.4	12.1	9.0	25.3	6.5	2.8	0.6
Selenium	0.6	0.2	0.2	0.6	1.5	0.0	0.9	1.4

[1] Data are based on USDA Economic Research Service estimates of per capita quantities of food available for consumption. Seafood estimates from the National Oceanic and Atmospheric Administration. Game harvest estimates from the individual States or from the Wildlife Management Institute. Imputed data for foods no longer reported or available. Values in the USDA Agricultural Research, National Nutrient Database for Standard Reference, Release 26. Components may not add to 100 because of rounding.

Calculated by USDA/Center for Nutrition Policy and Promotion, (703) 305–7600. Data last updated May 15, 2014.

Table 13-6.—Consumption: Per capita consumption of major food commodities, United States, 2012–2016 [1]

Commodity	2012	2013	2014	2015	2016
	Pounds	*Pounds*	*Pounds*	*Pounds*	*Pounds*
Red meats [2]	98.0	98.0	95.0	98.6	100.5
Beef	54.5	53.6	51.5	51.4	52.9
Veal	0.3	0.3	0.2	0.2	0.2
Lamb and mutton	0.6	0.7	0.7	0.7	0.8
Pork	42.6	43.5	42.6	46.3	46.6
Fish	14.3	14.5	15.5	14.9	16.1
Canned	3.7	3.3	3.7	3.3	3.7
Fresh and frozen	10.4	10.9	11.5	11.3	12.0
Cured	0.3	0.3	0.3	0.3	0.3
Poultry	69.3	70.3	71.3	75.2	76.3
Chicken	56.7	57.7	58.8	62.6	63.2
Turkey	12.6	12.6	12.5	12.6	13.1
Eggs	32.7	33.2	34.2	33.0	35.0
Dairy products [3]					
Total dairy products	615.1	607.3	616.0	630.1	645.7
Fluid milk and cream	188.6	184.6	178.6	174.7	172.0
Plain and flavored whole milk	46.5	46.2	45.9	47.6	49.8
Plain reduced fat and light milk (2%, 1%, and 0.5%)	84.7	82.6	79.8	76.8	74.2
Plain fat free milk (skim)	24.8	22.6	20.0	17.7	15.6
Flavored lower fat free milk	12.5	12.3	12.0	12.1	12.3
Buttermilk	1.5	1.6	1.5	1.6	1.6
Eggnog	0.4	0.4	0.4	0.4	0.4
Yogurt (excl. frozen)	14.0	15.0	14.9	14.4	13.8
Sour cream and dip	4.1	4.1	4.1	4.1	4.3
Cheese (excluding cottage) [4]	33.3	33.4	34.2	35.1	36.4
American	13.3	13.4	13.7	14.0	14.4
Cheddar	9.6	9.6	9.8	10.2	10.4
Italian	13.8	13.8	14.2	14.5	15.2
Mozzarella	10.7	10.7	11.2	11.3	11.7
Cottage cheese	2.3	2.1	2.1	2.1	2.1
Condensed and evaporated milk	7.3	7.2	6.8	7.7	7.4
Ice cream	13.2	13.0	12.5	12.9	12.9
Butter	5.5	5.5	5.5	5.6	5.7
Fruits and vegetables [5]	636.0	636.6	636.6	631.9	651.7
Fruits	244.6	254.6	250.1	252.7	256.4
Fresh	131.8	136.3	136.3	136.1	142.3
Citrus	23.5	23.9	23.3	22.7	24.0
Noncitrus	108.3	112.4	113.1	113.4	118.3
Processing	112.8	118.2	113.8	116.6	114.1
Citrus	52.6	55.1	52.6	52.7	51.9
Noncitrus	60.2	63.1	61.2	63.8	62.2
Vegetables	391.4	382.1	386.5	379.2	395.3
Fresh	188.7	184.6	186.4	186.4	199.5
Processing	202.7	197.5	200.1	192.9	195.8
Flour and cereal products	174.1	174.7	174.4	172.9	171.9
Wheat flour [6]	134.3	135.0	134.7	133.0	131.7
Corn products	33.9	33.9	34.0	34.0	34.2
Oat products	4.7	4.5	4.5	4.6	4.6
Barley and rye products	1.1	1.2	1.2	1.3	1.4
Caloric sweeteners (dry weight basis)	129.3	128.2	129.1	129.1	128.1
Sugar (refined)	66.6	68.0	68.4	69.1	69.7
Corn sweeteners [7]	61.0	58.4	58.5	57.8	56.5
Honey and edible syrups	1.8	1.9	2.1	2.1	1.9
Others					
Coffee (green bean equivalent)	9.7	9.9	10.0	10.2	NA
Cocoa (chocolate liquor equivalent) [8]	4.2	4.2	4.1	4.3	NA
Tea (dry leaf equivalent)	0.9	0.9	0.9	0.9	NA
Peanuts (shelled)	6.7	6.9	7.0	7.4	7.2
Tree nuts (shelled)	4.2	4.0	4.1	4.1	4.9

[1] Quantity in pounds, retail weight unless otherwise shown. Totals may not add due to rounding. [2] Boneless, trimmed weight equivalent. [3] Total dairy products reported on a milk-equivalent, milkfat basis. All other dairy categories reported on a product weight basis. [4] Natural equivalent of cheese and cheese products. [5] Farm weight. [6] White, whole wheat, semolina, and durum flour. [7] High fructose, glucose, and dextrose. [8] Chocolate liquor is what remains after cocoa beans have been roasted and hulled; it is sometimes called ground or bitter chocolate.

ERS, Food Economics Division, (202) 694-5400. Historical consumption and supply-disappearance data for food may be found at https://www.ers.usda.gov/data-products/food-availability-per-capita-data-system.

Table 13-7.—Food plans: Food cost at home, at four cost levels, for families and individuals in the United States, for week and month, December 2018 [1]

Age-gender groups	Weekly cost [2]				Monthly cost [2]			
	Thrifty plan	Low-cost plan	Moderate-cost plan	Liberal plan	Thrifty plan	Low-cost plan	Moderate-cost plan	Liberal plan
Individuals: [3]	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Child:								
1 year	21.70	29.30	33.30	40.50	94.20	127.00	144.50	175.70
2-3 years	23.90	30.80	37.10	45.00	103.40	133.40	160.60	195.00
4-5 years	25.10	31.60	39.60	48.00	109.00	137.10	171.40	207.80
6-8 years	31.90	44.20	53.80	63.70	138.10	191.50	233.30	275.90
9-11 years	36.20	47.90	62.70	72.90	156.90	207.40	271.50	315.80
Male:								
12-13 years	38.70	55.00	69.00	81.20	167.70	238.20	299.20	351.90
14-18 years	39.80	55.70	70.70	81.60	172.30	241.30	306.50	353.50
19-50 years	42.80	55.40	69.30	85.00	185.40	240.10	300.40	368.50
51-70 years	39.00	52.40	65.10	79.00	168.80	227.00	282.10	342.40
71+ years	39.20	51.30	64.20	79.20	169.90	222.40	278.10	343.20
Female:								
12-13 years	38.50	47.30	57.60	70.10	167.00	205.00	249.80	303.60
14-18 years	38.00	47.30	56.60	70.20	164.50	204.90	245.30	304.10
19-50 years	38.00	48.10	59.10	75.70	164.70	208.30	256.20	328.20
51-70 years	37.60	46.80	58.40	70.70	163.10	202.80	252.90	306.50
71+ years	37.00	46.10	57.70	69.70	160.10	199.90	249.90	302.20
Families:								
Family of 2 (Male and Female) [4]								
19-50 years	88.90	113.80	141.30	176.90	385.00	493.20	612.20	766.40
51-70 years	84.30	109.10	135.80	164.70	365.10	472.90	588.50	713.80
Family of 4:								
Couple (Male and Female), 19-50 years and children—								
2-3 and 4-5 years	129.80	165.90	205.10	253.80	562.40	718.80	888.60	1,099.60
6-8 and 9-11 years	148.90	195.50	245.00	297.30	645.10	847.30	1,061.40	1,288.40

[1] The Food Plans represent a nutritious diet at four different cost levels. The nutritional bases of the Food Plans are the 1997-2005 Dietary References Intakes, 2005 Dietary Guidelines for Americans, and 2005 MyPyramid food intake recommendations. In addition to cost, differences among plans are in specific foods and quantities of foods. Another basis of the Food Plans is that all meals and snacks are prepared at home. For specific foods and quantities of foods in the Food Plans, see *Thrifty Food Plan, 2006* (2007) and *The Low-Cost, Moderate-Cost, and Liberal Food Plans, 2007* (2007). All four Food Plans are based on 2001-02 data and updated to current dollars by using the Consumer Price Index for specific food items.

[2] All costs are rounded to nearest 10 cents.

[3] The costs given are for individuals in 4–person families. For individuals in other size families, the following adjustments are suggested: 1 person-add 20 percent; 2 person-add 10 percent; 3 person-add 5 percent; 4 person-no adjustment; 5- or 6-person–subtract 5 percent; 7- (or more) person-subtract 10 percent. To calculate overall household food costs, (1) adjust food costs for each person in household and then (2) sum these adjusted food costs.

[4] Ten percent added for family size adjustment.

Food and Nutrition Service, Center for Nutrition Policy and Promotion, (703) 305–7600. This file and the referenced Food Plans may be accessed at https://www.fns.usda.gov/resource/usda-food-plans-cost-food-monthly-reports.

Table 13-8.—SNAP: Participation and federal costs, fiscal years 2009–2018

Fiscal year [1]	Average monthly participation [2]		Recipient benefits	Total cost [3]	Average monthly benefit [4]	
	Persons	Housholds			Per person	Per household
	1,000	*1,000*	*1,000 dollars*	*1,000 dollars*	*Dollars*	*Dollars*
2009	33,490	15,232	50,359,919	53,619,921	125.31	275.51
2010	40,302	18,618	64,702,165	68,283,468	133.79	289.60
2011	44,709	21,072	71,810,924	75,686,540	133.85	283.99
2012	46,609	22,330	74,619,345	78,411,096	133.41	278.48
2013	47,636	23,052	76,066,319	79,859,028	133.07	274.98
2014	46,664	22,744	69,998,836	74,060,327	125.01	256.47
2015	45,767	22,522	69,645,138	73,946,666	126.81	257.69
2016	44,219	21,778	66,539,269	70,912,428	125.40	254.61
2017	42,124	20,836	63,533,179	67,995,554	125.69	254.10
2018	40,324	20,078	60,608,261	65,055,101	125.25	251.55

SNAP is the Special Nutrition Assistance Program, formerly known as the Food Stamp Program. [1] October 1 to September 30. [2] Participation data are 12-month averages. [3] Total cost includes matching funds for state administrative expenses (e.g., certification of households, quality control, anti-fraud activities; employment and training); and for other Federal costs (e.g., benefit redemption processing; computer support; electronic benefit transfer systems; retailer redemption and monitoring; certification of SSI recipients; nutrition education and program information). [4] The sharp rise in FY 2009 reflects April 2009 implementation of higher benefits mandated by the American Recovery Reinvestment Act.

FNS, Budget Division/Program Reports, Analysis and Monitoring Branch, (703) 305–2165.

Table 13-9.—Food and Nutrition Service Programs: Federal costs of the National School Lunch, School Breakfast, Child Care Food, Summer Food Service, WIC, Special Milk, and Food Distribution Programs, fiscal years 2009–2018 [1]

Fiscal year [2]	Child Nutrition					WIC [6]	Special Milk	Food Distribution Programs [7]
	Cash payments				Cost of food distribution programs [5]			
	School Lunch	School Breakfast	Child & Adult Care [3]	Summer Food [4]				
	1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
2009	8,874,484	2,582,645	2,288,288	304,350	1,216,486	6,471,624	14,112	873,582
2010	9,751,742	2,859,231	2,397,546	314,794	1,223,249	6,689,911	11,926	895,761
2011	10,105,030	3,034,160	2,471,494	327,232	1,298,925	7,180,750	12,296	829,756
2012	10,414,297	3,276,990	2,589,619	350,378	1,278,801	6,801,320	12,295	756,016
2013	11,057,637	3,513,986	2,720,165	375,781	1,288,858	6,501,668	10,721	998,062
2014	11,356,015	3,685,348	2,848,902	409,403	1,437,541	6,356,323	10,499	939,066
2015	11,695,726	3,891,791	3,008,620	427,797	1,457,397	6,238,415	10,515	840,034
2016	12,258,636	4,211,852	3,216,543	417,789	1,466,850	6,017,267	9,061	975,846
2017	12,250,614	4,252,263	3,239,557	423,711	1,545,904	5,686,402	8,284	989,364
2018	12,587,745	4,397,697	3,321,867	415,410	1,402,586	5,419,291	7,885	993,375

[1] See table 13-8 for Special Nutrition Assistance Program costs. [2] October 1–September 30. [3] Includes sponsor administrative, audit, and startup costs. [4] Includes sponsor administrative, State administrative and health clinic costs. [5] Includes entitlement commodities, bonus commodities, and cash-in-lieu for the National School Lunch, School Breakfast, Child and Adult Care Food, and Summer Food Service Programs. [6] Includes food costs, administrative costs, program evaluation funds, special grants, and Farmer's Market projects for the Special Supplemental Food Program for Women, Infants and Children. [7] Includes entitlement and bonus commodities, cash-in-lieu of commodities, and administrative costs of the following programs: Food Distribution to Indian Reservations, Nutrition Services Incentive Program (formerly Nutrition Program for the Elderly), Commodity Supplemental Food, Charitable Institutions, Summer Camps, Emergency Food Assistance Program (TEFAP), Disaster Feeding, Bureau of Federal Prisons, Veteran Affairs Administration, and the Food Stamp Program Elderly Pilot Project.

FNS, Budget Division/Program Reports, Analysis and Monitoring Branch, (703) 305–2165.

Table 13-10.—Food and Nutrition Service program benefits: Cash payments made under the National School Lunch, School Breakfast, Child and Adult Care, Summer Food and Special Milk Programs and the value of food benefits provided under the SNAP, WIC, Commodity Distribution and The Emergency Feeding Food Assistance Programs, fiscal year 2018 [1]

State/Territory	Child Nutrition Program (cash payments only) [2]					Special Supplemental Food (WIC)	SNAP (formerly Food Stamp Program) [4]	Emergency food assistance (TEFAP)	Commodity distribution [3]	Total [4]
	Child and Adult Care Food	Summer Food	Special Milk	National School Lunch	School Breakfast					
	1,000 dollars									
Alabama	56,169	8,534	23	214,638	79,599	65,412	1,084,563	10,381	24,822	1,544,141
Alaska	8,868	1,372	0	38,061	13,090	11,519	187,357	958	3,808	265,034
Amer. Samoa [4]	0	0	0	0	0	4,588	0	0	0	4,588
Arizona	49,479	3,154	43	275,940	94,481	68,824	1,210,430	12,600	38,091	1,753,042
Arkansas	50,411	3,108	0	136,045	55,619	37,571	480,473	6,890	17,449	787,564
California	445,135	18,903	281	1,511,917	523,067	524,633	6,332,718	65,288	199,424	9,621,366
Colorado	25,073	4,427	199	133,410	48,214	37,816	668,611	6,857	17,023	941,630
Connecticut	17,248	4,146	98	105,335	32,726	24,981	614,968	5,210	10,556	815,268
Delaware	17,213	1,994	16	36,215	13,982	7,289	196,899	2,157	7,159	282,923
District of Columbia	10,025	2,017	2	28,446	11,693	6,362	188,433	1,407	3,294	251,679
Florida	275,203	37,357	14	895,124	281,088	235,464	5,763,763	33,621	94,622	7,616,257
Georgia	111,871	13,816	29	529,911	195,953	103,556	2,336,788	16,985	52,118	3,361,028
Guam	458	0	0	8,781	3,258	6,067	106,449	337	35	125,384
Hawaii	6,302	594	0	46,003	10,849	17,507	469,434	1,314	2,481	554,485
Idaho	7,693	3,704	68	53,053	18,476	13,334	199,514	2,630	8,368	306,841
Illinois	137,943	11,834	1,843	465,650	145,542	122,293	2,777,949	23,883	51,998	3,738,935
Indiana	55,385	7,839	118	269,034	82,086	58,130	867,533	11,295	39,071	1,390,491
Iowa	25,079	3,860	61	110,968	27,599	22,738	446,260	4,459	15,679	656,703
Kansas	28,307	4,284	55	106,106	31,698	22,032	293,540	4,048	14,968	505,037
Kentucky	41,876	9,127	18	232,259	95,413	46,085	853,987	8,040	30,615	1,317,420
Louisiana	87,481	7,311	0	249,066	89,640	63,153	1,297,322	10,470	38,492	1,842,935
Maine	8,803	2,266	12	33,863	12,783	9,205	218,218	2,303	6,742	294,196
Maryland	50,419	9,015	263	178,763	69,287	60,309	910,099	6,771	24,080	1,309,004
Massachusetts	61,383	7,258	162	198,670	65,838	49,103	1,159,119	9,073	27,268	1,577,874
Michigan	66,437	10,222	189	311,190	115,102	94,028	1,894,037	17,223	53,189	2,561,618
Minnesota	61,527	9,783	706	168,385	53,671	53,687	544,420	6,455	27,849	926,485
Mississippi	45,888	7,261	4	170,248	63,861	52,239	679,723	6,338	23,749	1,049,310
Missouri	53,835	13,515	428	212,151	79,070	47,697	1,061,334	10,287	34,492	1,512,809
Montana	10,316	2,101	6	28,992	10,432	6,966	158,390	1,525	8,258	226,986
Nebraska	28,553	2,685	56	75,709	19,848	17,487	229,206	2,342	14,230	390,117
Nevada	12,153	1,760	45	103,538	40,361	26,357	614,242	5,771	13,228	817,454
New Hampshire	4,624	910	145	21,594	5,440	4,601	101,470	1,530	5,054	145,369
New Jersey	81,397	11,683	254	262,359	94,775	94,730	1,012,654	15,104	34,614	1,607,570
New Mexico	31,249	5,115	0	101,740	43,961	21,086	638,422	4,731	15,940	862,245
New York	228,288	55,304	532	780,949	253,988	265,486	4,526,971	33,888	73,864	6,219,270
North Carolina	93,476	12,384	103	376,307	134,776	112,992	1,870,952	17,474	48,333	2,666,797
North Dakota	8,725	923	22	21,861	5,986	6,707	75,391	1,029	10,248	130,892
Northern Marianas [4]	0	0	0	0	0	1,164	0	0	0	1,164
Ohio	89,366	11,939	373	365,742	126,136	77,957	2,078,237	19,519	46,181	2,815,450
Oklahoma	59,598	4,363	21	180,185	64,053	39,836	832,653	6,601	45,209	1,232,520
Oregon	32,473	5,001	83	116,417	39,990	37,084	937,799	7,455	15,246	1,191,550
Pennsylvania	118,880	12,422	269	400,460	125,440	116,512	2,592,184	20,372	65,100	3,451,639
Puerto Rico [4]	19,558	6,621	0	110,809	25,885	121,030	0	9,410	15,280	308,594
Rhode Island	8,796	1,356	37	30,642	10,072	9,979	0	1,600	4,417	66,900
South Carolina	35,138	7,833	6	210,630	81,158	49,018	943,922	8,632	20,286	1,356,625
South Dakota	7,600	1,511	17	29,497	7,763	8,666	131,113	988	10,198	197,353
Tennessee	64,484	9,154	18	284,612	113,758	60,847	1,424,891	10,515	30,967	1,999,246
Texas	398,515	27,630	12	1,518,148	597,506	238,069	5,525,177	44,055	179,761	8,528,871
Utah	26,410	545	39	101,112	22,811	22,498	258,536	3,178	16,107	451,237
Vermont	5,789	1,207	26	16,022	6,651	6,202	106,782	1,113	2,940	146,732
Virginia	48,603	9,798	101	254,641	95,123	42,115	1,051,801	10,753	25,426	1,538,363
Virgin Islands	655	280	0	2,296	300	2,473	86,936	335	600	93,875
Washington	46,069	5,377	212	199,785	57,388	69,292	1,268,735	12,112	27,942	1,686,912
West Va	15,523	1,617	11	81,167	42,364	16,685	440,299	4,102	10,848	612,616
Wisconsin	35,791	8,389	842	171,279	53,871	41,990	816,882	7,740	31,533	1,168,318
Wyoming	4,327	801	22	14,863	4,155	3,502	40,676	1,073	2,815	72,234
DoD [5]	0	0	0	6,146	16	0	0	0	1,997	8,160
Total [4]	3,321,867	415,410	7,885	12,586,736	4,397,694	3,386,954	60,608,261	540,227	1,644,069	86,909,103

[1] Excludes all administrative and program evaluation costs. [2] Excludes totals for Food Safety Education and Team Nutrition. [3] Includes distribution of bonus and entitlement commodities to the National School Lunch, Child and Adult Care, Summer Food Service, Charitable Institutions, Summer Camps, Food Distribution on Indian Reservations, Nutrition Services Incentive Program (NSIP, formerly Nutrition Program for the Elderly), Commodity Supplemental Food, and Disaster Feeding Programs. Also includes cash-in-lieu of commodities for the National School Lunch and the Child and Adult Care Food programs (NSIP cash grants were transferred to the Agency on Aging, DHHS, in FY 2003). [4] Excludes Nutrition Assistance grants for Puerto Rico, Northern Marianas, and American Samoa. [5] Dept. of Defense represents food service to children of armed forces personnel in overseas schools.

FNS, Budget Division/Program Reports, Analysis and Monitoring Branch (703) 305–2165.

Table 13-11.—Food and Nutrition Service Programs: Persons participating, fiscal years 2009–2018

Fiscal year	National School Lunch Program [1]	School Breakfast Program [1]	Child and Adult Care Program [2]	Summer Food Service [3]	WIC Program [4]
	Thousands	*Thousands*	*Thousands*	*Thousands*	*Thousands*
2009	31,310	11,076	3,649	2,260	9,122
2010	31,753	11,669	3,411	2,304	9,175
2011	31,842	12,175	3,431	2,278	8,961
2012	31,653	12,868	3,571	2,348	8,908
2013	30,683	13,203	3,681	2,425	8,663
2014	30,460	13,636	3,897	2,663	8,258
2015	30,495	14,049	4,181	2,570	8,024
2016	30,361	14,564	4,407	2,569	7,696
2017	29,992	14,658	4,528	2,645	7,286
2018	29,770	14,713	4,626	2,688	6,870

[1] Average monthly participation (excluding summer months). [2] Average daily attendance (data reported quarterly). [3] Average daily attendance for peak month (July). [4] Average monthly participation. WIC is an abbreviation for the Special Supplemental Food Program for Women, Infants and Children.

FNS, Budget Division/Program Reports, Analysis and Monitoring Branch, (703) 305–2165.

Table 13-12.—Consumers' prices: Index number of prices paid for goods and services, United States, 2009–2018 [1]

[1982–84=100]

Year	Food	Nonfood items					All items
		Apparel and upkeep	Housing		Transportation	Medical care	
			Total	Rent			
2009	218.0	120.1	217.1	259.9	179.3	375.6	214.5
2010	219.6	119.5	216.3	258.8	193.4	388.4	218.1
2011	227.8	122.1	219.1	262.2	212.4	400.3	224.9
2012	233.8	126.3	222.7	267.8	217.3	414.9	229.6
2013	237.0	127.4	227.4	274.0	217.4	425.1	233.0
2014	242.7	127.5	233.2	281.8	215.9	435.3	236.7
2015	247.2	125.9	238.1	290.4	199.1	446.8	237.0
2016	247.9	126.0	244.0	300.3	194.9	463.7	240.0
2017	250.1	125.6	251.2	310.3	201.6	475.3	245.1
2018	253.6	125.7	258.5	320.7	210.7	484.7	251.1

[1] Reflects retail prices of goods and services usually bought by average families in urban areas of the United States. This index is the official index released monthly by the U.S. Department of Labor. Data are for all urban consumers.

ERS, Food Markets Branch, (202) 694–5349. Compiled from data of the U.S. Department of Labor.

CHAPTER XIV

STATISTICS OF FERTILIZERS AND PESTICIDES

This chapter contains statistics on percentages of crop acres treated by various types of fertilizers and pesticides. Nitrogen, phosphate, potash, and sulfur are the most common fertilizers; herbicides, insecticides, fungicides, and other chemicals are the main categories of pesticides. Other chemicals include soil fumigants, vine killers, and desiccants. The tables show data for field crops for 2009-2018, fruits for 2017, and vegetables for 2016. NASS collects data for field crops on an annual basis; data collection for fruits and vegetables was suspended for fiscal year 2013. The surveyed States are generally the major producing States for each crop shown in the tables and represent 65-95 percent of the U.S. planted acres, depending on the selected crop.

Application data for specific pesticide active ingredients and additional fertilizer data are available in the series of NASS ''Agricultural Chemical Usage'' reports and data sets.

Table 14-1.—Field crops: Fertilizer, and percent of area receiving applications, all States surveyed, 2009–2018 [1]

Crop	Nitrogen	Phosphate	Potash	Sulfur
	Percent	*Percent*	*Percent*	*Percent*
2009:				
Wheat, Durum	99	85	11	9
Wheat, Other Spring	94	84	21	14
Wheat, Winter	83	54	16	16
2010:				
Corn	97	78	61	15
Cotton, Upland	90	62	52	42
Potatoes, Fall	99	96	90	73
2011:				
Barley	86	68	28	30
Sorghum	81	54	9	16
2012:				
Soybeans	27	37	37	7
Wheat, Durum	98	89	12	12
Wheat, Other Spring	97	87	27	20
Wheat, Winter	85	55	13	19
2013:				
Rice	97	75	54	23
Peanuts	40	42	42	17
2014:				
Corn	97	80	65	29
Potatoes, Fall	99	97	90	79
2015:				
Cotton	78	56	42	30
Oats	76	62	40	24
Soybeans	28	39	38	8
Wheat, Spring (Excl Durum)	97	89	40	30
Wheat, Spring Durum	98	95	32	31
Wheat, Winter	88	60	16	22
2016:				
Corn	97	79	65	33
Potatoes, Fall	98	92	90	76
2017:				
Cotton	78	59	45	38
Soybeans	31	41	42	9
Wheat, Durum	98	91	28	36
Wheat, Other Spring	96	89	34	38
Wheat, Winter	83	58	15	25
2018:				
Corn	98	79	63	32
Peanuts	32	32	33	12
Soybeans	29	42	43	10

[1] Refers to percent of planted acres receiving one or more applications of a specific fertilizer ingredient. See tables 14-2 through 14-21 for surveyed States.

Note: See planted acreage estimates in tables 1-56 for barley, 1-36 for corn, 2-2 for upland and all cotton, 1-48 for oats, 3-16 for peanuts, 1-27 for rice, 1-65 for sorghum, 3-32 for soybeans and 1-8 for wheat.

NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 14-2.—Barley: Pesticide usage, 2003 and 2011 [1]

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide		Fungicide		Other Chemicals	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*
Arizona:								
2011	37	16	*	*				
California:								
2003	67	32						
2011	39	48	*	*				
Colorado:								
2011	96	36	22	1	25	2		
Idaho:								
2003	94	573	3	16			5	9
2011	91	302	11	1	18	11	14	27
Minnesota:								
2003	89	88	8	3	39	9		
2011	58	19	10	2	32	3		
Montana:								
2003	93	1,005	2	5				
2011	92	1,065	*	*	26	16	*	*
North Dakota:								
2003	98	1,067	4	12	11	20		
2011	95	236	6	4	48	26		
Oregon:								
2011	74	21	*	*	31	1	*	*
Pennsylvania:								
2003	32	8						
2011	39	7	*	*	3	**		
South Dakota:								
2003	86	34						
Utah:								
2003	75	17						
Virginia:								
2011	59	29	20	**	15	1	*	*
Washington:								
2003	94	358						
2011	93	111			19	2		
Wisconsin:								
2003	21	5						
2011	25	4						
Wyoming:								
2003	83	57	10					
2011	76	32	*	*	13	1		

*Insufficient number of reports to publish data. **Amount applied is less than 500 lbs. [1] Data not available for all States for all years.

Note: Planted acres are in table 1-56.

NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 14-3.—Barley: Fertilizer usage, 2003 and 2011 [1]

State	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur [2]	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*
Arizona								
2011	97	8.2	39	1.5	*	*	21	0.3
California:								
2003	72	5.2	32	0.6	2	.....	.....	.....
2011	41	2.6	*	*	.....	.....	14	0.2
Colorado:								
2011	82	7.2	40	1.5	28	0.6	36	0.4
Idaho:								
2003	91	56.2	58	15.4	25	5.7	.....	.....
2011	93	44.2	66	10.0	37	4.9	65	9.6
Minnesota:								
2003	91	11.4	87	5.6	66	4.0	.....	.....
2011	60	3.3	56	1.3	44	1.0	11	0.1
Montana:								
2003	92	44.2	88	30.2	52	9.7	.....	.....
2011	90	29.1	83	16.6	37	3.6	16	1.2
North Dakota:								
2003	98	116.5	91	50.7	20	4.2	.....	.....
2011	96	28.3	92	11.1	16	1.0	4	0.1
Oregon:								
2011	77	1.6	26	0.1	*	*	36	0.1
Pennsylvania:								
2003	69	2.2	39	1.1	40	1.2	.....	.....
2011	64	1.9	32	0.8	32	0.8	10	0.1
South Dakota:								
2003	82	2.6	78	1.9	13	0.2	.....	.....
Utah:								
2003	58	2.1	14	0.3	.....	.....	.....	.....
Virginia:								
2011	77	4.9	39	1.7	35	1.7	24	0.3
Washington:								
2003	99	22.5	58	2.5	8	0.5	.....	.....
2011	91	9.0	59	1.1	9	0.2	90	1.6
Wisconsin:								
2003	37	0.5	36	0.7	44	1.8	.....	.....
2011	34	0.2	*	*	34	1.0	14	0.1
Wyoming:								
2003	78	7.3	60	2.4	22	0.7	.....	.....
2011	73	5.2	55	1.8	30	0.8	18	0.4

*Insufficient number of reports to publish data. **Area applied is less than 0.5 percent. *** Amount applied is less than 50,000 lbs. [1] Data not available for all States for all years. [2] Estimates began in 2005.

Note: Planted acres are in table 1-56.

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Table 14-4.—Corn: Pesticide usage, 2014–2018 [1] [2]

State	Percent treated and amount applied							
	Herbicide		Insecticide [2]		Fungicide [2]		Other Chemicals	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*
Colorado:								
2016	85	3,819	23	94	(D)	(D)	(D)	(D)
2018	93	2,978	11	69	6	46	(D)	(D)
Georgia:								
2016	98	1,417	22	38	31	30	.....	.....
2018	.....	.....	.....	.....	.....	.....	.....	.....
Illinois:								
2014	98	26,870	23	237	21	321	(D)	(D)
2016	99	32,524	18	146	19	256	(D)	(D)
2018	97	31,289	20	149	31	604	(D)	(D)
Indiana:								
2014	100	14,609	9	45	12	80	(D)	(D)
2016	99	14,689	17	78	16	144	(D)	(D)
2018	98	14,345	12	25	28	1,481	(D)	(D)
Iowa:								
2014	95	30,240	13	122	19	296	(D)	(D)
2016	97	35,858	10	280	22	438	(D)	(D)
2018	95	32,371	18	274	32	706	(D)	(D)
Kansas:								
2014	97	11,432	10	244	3	13	.....	.....
2016	98	18,892	6	500	(D)	(D)	(D)	(D)
2018	98	16,373	5	175	5	39	.....	.....
Kentucky:								
2014	94	4,102	29	15	11	19	(D)	(D)
2016	95	6,263	30	26	26	49	(D)	(D)
2018	97	4,787	20	22	16	82	(D)	(D)
Michigan:								
2014	98	5,710	4	5	12	36	.....	.....
2016	93	4,845	6	21	(D)	(D)	(D)	(D)
2018	98	4,999	8	13	5	71	4	7
Minnesota:								
2014	98	13,596	2	26	(D)	(D)	(D)	(D)
2016	97	16,461	7	43	3	32	.....	.....
2018	99	15,885	8	50	4	63	(D)	(D)
Missouri:								
2014	98	8,517	24	43	14	61	.....	.....
2016	92	10,121	12	16	(D)	(D)	.....	.....
2018	92	11,451	19	102	12	70	(D)	(D)
Nebraska:								
2014	95	21,320	16	213	10	118	(D)	(D)
2016	95	27,905	15	186	10	142	(D)	(D)
2018	99	30,070	16	618	20	309	(D)	(D)
New York:								
2016	98	2,370	(D)	(D)	.....	.....	(D)	(D)
2018	93	2,279	5	4	.....	.....	(D)	(D)
North Carolina:								
2016	95	3,447	5	3	(D)	(D)	(D)	(D)
2018	96	3,082	16	15	13	53	(D)	(D)
North Dakota:								
2014	97	4,489	(D)	(D)	4	16	.....	.....
2016	100	6,242	(D)	(D)	(D)	(D)	.....	.....
2018	99	5,481	(D)	(D)	(D)	(D)	(D)	(D)
Ohio:								
2014	99	9,231	13	64	9	81	(D)	(D)
2016	98	9,025	17	45	13	39	(D)	(D)
2018	100	10,650	19	32	12	124	6	336
Pennsylvania:								
2014	97	4,080	20	46	4	6	4	2
2016	96	4,446	23	12	9	17	(D)	(D)
2018	92	3,840	23	10	9	12	(D)	(D)
South Dakota:								
2014	98	10,803	(D)	(D)	9	47	.....	.....
2016	99	13,157	(D)	(D)	(D)	(D)	.....	.....
2018	99	13,471	(D)	(D)	(D)	(D)	(D)	(D)
Texas:								
2014	89	4,338	14	528	23	27	(D)	(D)
2016	84	5,992	13	364	26	40	.....	.....
2018	92	4,027	16	492	13	61	5	48
Wisconsin:								
2014	90	6,952	8	22	(D)	(D)	(D)	(D)
2016	98	8,572	12	24	5	6	.....	.....
2018	97	7,344	8	21	6	30	(D)	(D)

(D) Withheld to avoid disclosing data for individual operations. [1] Data not available for all States for all years. [2] Amount applied excludes Bt (bacillus thuringiensis) and other biologicals.

Note: Planted acres are in table 1-36.

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Table 14-5.—Corn: Fertilizer usage, 2014–2018 [1]

State and Year	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*
Colorado:								
2016	96	149.8	66	31.3	13	2.9	38	8.4
2018	92	206.5	77	51.7	32	16.3	47	12.8
Georgia:								
2016	97	74.2	84	23.4	88	46.8	43	4.0
2018	.....	.....	.....	.....	.....	.....	.....	.....
Illinois:								
2014	99	1,918.3	85	938.4	81	1,066.9	8	17.5
2016	98	1,908.8	86	892.7	81	1,036.9	15	43.1
2018	98	1,851.6	87	1,042.6	77	1,139.2	20	40.0
Indiana:								
2014	96	877.7	81	351.1	79	530.5	22	16.0
2016	98	895.1	78	321.4	85	517.6	30	21.1
2018	100	842.0	91	310.9	80	455.0	43	38.2
Iowa:								
2014	96	1,842.2	64	600.5	63	705.3	18	40.2
2016	98	2,036.1	67	701.1	70	938.8	21	45.3
2018	97	1,784.3	71	698.2	70	823.4	22	51.0
Kansas:								
2014	98	549.6	87	148.5	35	60.5	29	10.1
2016	99	721.2	88	165.1	48	61.3	33	10.6
2018	100	798.2	75	246.2	39	117.5	31	21.3
Kentucky:								
2014	98	214.1	88	109.0	87	119.0	14	4.5
2016	96	249.7	82	97.0	87	121.4	23	9.6
2018	98	195.0	90	106.9	88	128.1	19	5.3
Michigan:								
2014	98	338.7	84	89.2	82	192.6	25	7.4
2016	94	276.0	80	83.9	71	141.2	35	11.6
2018	97	322.4	79	86.1	71	156.4	29	7.5
Minnesota:								
2014	94	1,091.8	86	491.4	80	570.2	51	72.5
2016	96	1,126.0	86	442.8	75	495.2	43	63.8
2018	96	1,041.9	79	462.6	72	517.2	37	56.1
Missouri:								
2014	98	603.3	81	191.1	83	228.0	32	16.2
2016	97	590.7	69	173.0	74	213.9	40	20.1
2018	98	577.9	83	208.4	82	226.8	27	16.7
Nebraska:								
2014	99	1,359.9	77	329.9	29	100.8	42	71.6
2016	100	1,400.1	79	314.6	35	65.3	41	68.6
2018	99	1,569.9	73	361.8	25	75.3	38	74.7
New York:								
2016	98	77.6	70	25.2	60	31.7	24	4.0
2018	97	103.0	79	30.9	69	46.6	16	2.2
North Carolina:								
2016	91	127.7	63	32.6	68	62.8	35	7.5
2018	94	125.7	74	39.4	76	63.2	26	10.1
North Dakota:								
2014	99	349.7	88	132.1	44	34.7	43	12.3
2016	97	446.5	92	195.4	59	63.6	56	32.4
2018	97	444.3	88	165.7	62	66.1	40	20.3
Ohio:								
2014	98	558.8	85	228.9	80	282.2	15	5.1
2016	99	585.4	87	225.6	79	302.4	31	22.9
2018	99	604.7	81	225.5	68	258.1	26	12.8
Pennsylvania:								
2014	96	137.7	67	39.7	66	40.5	35	5.6
2016	91	124.4	41	23.8	46	30.4	47	11.2
2018	94	155.6	55	30.7	48	34.6	34	7.3
South Dakota:								
2014	97	684.8	83	216.4	50	113.2	35	24.0
2016	99	715.9	87	249.9	52	136.1	44	36.2
2018	99	657.0	88	258.1	60	147.0	44	52.0
Texas:								
2014	95	310.5	77	77.9	37	19.2	43	10.7
2016	87	313.3	60	59.5	22	12.7	36	11.4
2018	97	301.8	73	68.1	40	23.0	41	10.2
Wisconsin:								
2014	98	407.6	85	127.9	88	222.2	49	31.7
2016	96	427.2	78	103.8	84	217.3	55	36.0
2018	97	426.2	80	116.6	79	232.2	38	29.9

(D) Withheld to avoid disclosing data for individual operations. [1] Data not available for all States for all years.
Note: Planted acres are in table 1-36.
NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 14-6.—Cotton, Upland: Pesticide usage, 2007–2017 [1] [2]

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide [3]		Fungicide		Other Chemicals	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*
Alabama:								
2007	98	941	55	88	*	*	75	423
2015	100	997	76	107	(D)	(D)	97	673
2017	99	1,422	66	120	(D)	(D)	100	919
Arizona:								
2015	85	353	30	12	(D)	(D)	67	46
Arkansas:								
2007	97	2,399	92	1,092	2	16	96	1,780
2010	92	1,587	97	655	*	*	98	1,473
2015	99	752	99	322	(D)	(D)	100	605
2017	86	1,681	94	786	6	7	100	1,400
California:								
2007	90	565	90	506	2	1	93	1,414
2015	93	295	89	97	(D)	(D)	78	266
Georgia:								
2007	100	3,163	85	956	*	*	96	3,955
2010	100	4,098	75	1,121	*	*	95	4,300
2015	100	4,370	78	513	(D)	(D)	97	2,643
2017	99	4,409	71	348	1	9	99	3,185
Louisiana:								
2007	98	992	99	562	*	*	100	567
Mississippi:								
2007	100	2,132	97	1,231	2	3	99	1,146
2010	100	1,457	92	634	.....	.....	100	853
2015	100	1,495	92	385	.....	.....	100	769
2017	99	3,017	93	1,271	(D)	(D)	96	1,675
Missouri:								
2010	100	1,191	92	279	*	*	99	556
2015	100	590	78	193	(D)	(D)	100	470
2017	100	1,037	92	382	18	9	100	730
North Carolina:								
2007	100	1,479	79	300	3	15	99	896
2010	100	1,581	83	315	*	*	95	1,103
2015	98	1,448	77	137	(D)	(D)	90	613
2017	98	1,378	81	140	(D)	(D)	91	699
Oklahoma:								
2017	59	765	38	112	.....	.....	15	173
South Carolina:								
2015	100	739	87	227	.....	.....	83	211
Tennessee:								
2007	100	1,482	94	228	*	*	99	985
2010	98	1,291	94	146	*	*	97	790
2015	100	511	49	69	.....	.....	48	180
2017	98	1,266	96	429	(D)	(D)	100	739
Texas:								
2007	96	11,532	43	2,624	*	*	74	5,702
2010	99	13,111	35	2,891	*	*	80	5,425
2015	90	14,783	15	383	(D)	.....	67	3,022
2017	90	14,554	23	881	.....	.....	58	4,366

* Insufficient number of reports to publish data. (D) Withheld to avoid disclosing data for individual operations. [1] Data not available for all States for all years. [2] 2007 data are for all cotton (pima and upland). [3] Amount applied excludes Bt (bacillus thuringiensis) and other biologicals.

Note: Planted acres are in table 2-2.

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Table 14-7.—Cotton, Upland: Fertilizer usage, 2007–2017 [1] [2]

State and Year	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*
Alabama:								
2007	97	34.2	87	17.0	90	23.3	46	2.1
2015	99	28.3	78	13.1	79	23.7	48	2.2
2017	93	42	72	19.5	81	29.3	38	2.6
Arizona:								
2015	98	12.5	50	2.3	15	0.2	8	0.1
Arkansas:								
2007	98	94.1	83	29.4	85	63.9	46	5.5
2010	98	57.6	83	19.3	86	34.7	27	1.6
2015	100	27.0	79	7.8	80	14.3	46	1.2
2017	97	69.2	74	17.5	79	35.3	53	4.8
California:								
2007	96	53.6	39	13.2	20	4.3	*	*
2015	94	14.9	28	1.4	33	2.6	5	0.1
Georgia:								
2007	98	90.9	91	56.3	91	81.3	67	10.5
2010	97	122.7	86	66.9	91	127.0	53	8.1
2015	99	100.4	82	47.1	97	105.7	56	9.3
2017	100	143.5	81	58.0	91	103.7	63	14.3
Louisiana:								
2007	100	29.3	70	8.1	63	16.1	*	*
Mississippi:								
2007	100	77.3	33	12.4	54	37.7	28	2.0
2010	95	40.0	32	6.4	53	20.2	29	1.4
2015	96	33.1	44	8.0	65	24.3	17	0.7
2017	99	72.4	47	15.2	60	34.6	37	3.7
Missouri:								
2007	98	36.1	88	10.3	95	24.5	64	2.6
2010	100	40.2	81	12.2	93	25.2	61	3.7
2015	100	17.8	74	4.8	92	10.6	44	1.5
2017	98	33.3	87	12.4	96	20.5	62	3.3
North Carolina:								
2007	92	31.3	71	11.0	89	44.2	25	2.9
2010	98	35.7	68	17.2	87	45.6	38	2.6
2015	99	25.2	75	10.7	89	27.4	27	1.3
2017	96	30.6	67	12.4	87	32.0	56	6.6
Oklahoma:								
2017	54	31.8	44	11.4	19	4.8	7	0.3
South Carolina:								
2007	99	16.2	79	6.5	94	16.0	33	0.8
2015	99	20.1	73	6.7	96	23.7	19	0.7
Tennessee:								
2007	100	52.3	95	25.2	100	45.1	60	2.8
2010	100	36.9	96	19.1	99	33.4	75	3.2
2015	100	17.2	96	9.8	49	7.0	79	2.7
2017	100	35	99	19.0	95	29.9	82	3.3
Texas:								
2007	86	347.7	60	109.8	24	19.8	42	26.2
2010	85	296.6	52	92.0	30	25.0	38	26.8
2015	66	207.2	46	75.8	16	10.9	24	11.0
2017	68	363.7	52	133.2	25	35.1	31	26.0

*Insufficient number of reports to publish data. [1] Data not available for all States for all years. [2] 2007 data are for all cotton (pima and upland).

Note: Planted acres are in table 2-3.

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Table 14-8.—Peanuts: Pesticide usage, 2013 and 2018 [1]

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide		Fungicide		Other Chemicals	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*
Alabama:								
2013	99	219	32	33	95	632	*	*
2018	99	312	37	13	95	469	.....	1
Florida:								
2013	93	237	59	28	100	670	*	*
2018	96	250	47	34	94	471	(D)	(D)
Georgia:								
2013	100	853	48	177	97	1,692	*	*
2018	98	1,187	40	78	98	2,738	5	2
North Carolina:								
2013	99	190	71	54	87	144	*	*
2018	97	299	58	38	92	173	27	18
South Carolina:								
2013	96	150	60	33	81	261	.....	.....
2018	95	232	34	13	80	221	(D)	(D)
Texas:								
2013	65	93	11	2	33	42	.....	.....
2018	73	123	4	1	38	38	(D)	(D)

* Insufficient number of reports to publish data. (D) Withheld to avoid disclosing data for individual operations. [1] Data not available for all States for all years.
Note: Planted acres are in table 3-16.
NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 14-9.—Peanuts: Fertilizer usage, 2013 and 2018 [1]

State and Year	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*
Alabama:								
2013	48	1.5	54	3.0	57	5.2	19	0.6
2018	41	1.5	41	3.0	41	3.9	8	0.2
Florida:								
2013	81	2.2	86	4.9	93	11.7	36	1.3
2018	40	1.6	36	2.5	40	7.0	(D)	(D)
Georgia:								
2013	27	2.1	31	6.5	26	6.5	*	*
2018	22	2.6	26	6.8	26	10.4	7	0.8
North Carolina:								
2013	21	0.5	22	0.7	51	4.1	23	0.5
2018	(D)	(D)	(D)	(D)	56	5.4	14	0.2
South Carolina:								
2013	13	0.5	14	0.4	22	1.5	*	*
2018	(D)	(D)	(D)	(D)	10	0.9	(D)	(D)
Texas:								
2013	57	5.3	47	2.4	34	1.4	37	0.7
2018	74	7.1	66	3.3	48	2.5	43	0.8

* Insufficient number of reports to publish data. (D) Withheld to avoid disclosing data for individual operations. [1] Data not available for all States for all years.
Note: Planted acres are in table 3-16.
NASS, Environmental, Economics, and Demographics Branch, (202) 720–6146.

Table 14-10.—Oats: Pesticide usage, 2005 and 2015 [1]

State and Year	Percent treated and amount applied					
	Herbicide		Insecticide		Fungicide	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Thousands*	*Percent*	*Thousands*		
California:						
2005	36	59	.....	.....	.....	.....
Idaho:						
2005	26	17	.....	.....	.....	.....
Illinois:						
2005	7	1	.....	.....	.....	.....
2015	(D)	(D)	.....	.....	(D)	(D)
Iowa:						
2005	3	2	.....	.....	.....	.....
2015	(D)	(D)	.....	.....	(D)	(D)
Kansas:						
2005	27	13	.....	.....	.....	.....
2015	41	28	.....	.....	(D)	(D)
Michigan:						
2005	61	26	.....	.....	.....	.....
2015	66	33	(D)	(D)	(D)	(D)
Minnesota:						
2005	21	26	.....	.....	.....	.....
2015	43	66	(D)	(D)	13	4
Montana:						
2005	34	18	.....	.....	.....	.....
Nebraska:						
2005	7	4	.....	.....	.....	.....
2015	35	21	.....	.....	(D)	(D)
New York:						
2005	51	23	.....	.....	.....	.....
2015	63	26	(D)	(D)	(D)	(D)
North Dakota:						
2005	54	167	.....	.....	.....	.....
2015	82	186	(D)	(D)	9	2
Ohio:						
2015	59	22	.....	.....	.....	.....
Pennsylvania:						
2005	58	46	.....	.....	.....	.....
2015	60	43	(D)	(D)	.....	.....
South Dakota:						
2005	37	52	.....	.....	.....	.....
2015	81	130	(D)	(D)	21	9
Texas:						
2005	26	80	18	35	.....	.....
2015	45	95	14	28	9	10
Wisconsin:						
2005	18	25	.....	.....	.....	.....
2015	30	37	(D)	(D)	6	2

(D) Withheld to avoid disclosing data for individual operations. [1] Data not available for all States for all years.
Note: Planted acres are in table 1-48.
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Table 14-11.—Oats: Fertilizer usage, 2005 and 2015 [1]

State and Year	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*
California:								
2005	26	4.4	.....	.....	.....	.....	.....	.....
Idaho:								
2005	42	1.6	22	1.4	5	0.1	12	0.2
Illinois:								
2005	15	0.4	12	0.4	26	1.7	.....	.....
2015	28	0.4	20	0.5	28	0.9	(D)	(D)
Iowa:								
2005	31	1.8	30	2.5	40	6.9	.....	.....
2015	27	1.4	26	2.1	28	2.7	11	0.3
Kansas:								
2005	84	4.4	39	1.4	17	0.8	.....	.....
2015	87	4.5	33	0.9	12	0.3	(D)	(D)
Michigan:								
2005	82	2.6	72	2.8	77	3.4	.....	.....
2015	81	2.0	75	1.7	78	2.0	6	(Z)
Minnesota:								
2005	28	4.2	22	2.4	28	5.9	5	0.2
2015	60	8.3	50	3.6	53	6.7	21	0.7
Montana:								
2005	53	2.0	35	1.0	14	0.4	9	0.1
Nebraska:								
2005	68	4.5	24	1.3	7	0.1	5	.....
2015	77	5.1	65	2.6	36	0.8	29	0.4
New York:								
2005	75	1.9	72	2.7	72	2.8	.....	.....
2015	66	1.3	63	1.7	62	1.8	(D)	(D)
North Dakota:								
2005	71	15.8	49	5.7	9	0.7	5	0.1
2015	88	12.1	70	7.2	27	0.9	22	0.6
Ohio:								
2015	70	1.3	69	2.2	66	2.7	(D)	(D)
Pennsylvania:								
2005	90	4.5	81	4.9	82	5.1	2	0.1
2015	81	2.2	76	2.9	75	2.7	(D)	(D)
South Dakota:								
2005	64	11.8	46	5.6	17	1.7	.....	.....
2015	91	22.1	74	9.2	20	1.1	17	0.7
Texas:								
2005	79	45.4	56	12.7	39	4.9	25	1.7
2015	97	27.8	82	12.1	39	3.2	51	3.0
Wisconsin:								
2005	23	2.1	24	3.9	35	15.1	8	0.4
2015	51	3.9	36	2.9	45	8.4	21	1.0

(D) Withheld to avoid disclosing data for individual operations. (Z) Less than half the rounding unit. [1] Data not available for all States for all years.

Note: Planted acres are in table 1-48.

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Table 14-12.—Potatoes, Fall: Pesticide usage, 2010–2016 [1]

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide [2]		Fungicide		Other Chemicals	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*
Colorado:								
2010	92	173	93	108	98	191	74	5,156
2014	78	83	50	37	96	120	74	5,696
2016	73	73	77	8	74	87	(D)	(D)
Idaho:								
2010	98	829	67	190	93	983	63	36,080
2014	89	717	89	287	95	1,618	57	36,437
2016	92	662	65	81	99	846	49	23,552
Maine:								
2010	93	36	91	8	100	373	73	30
2014	97	30	84	9	90	329	78	37
2016	90	46	93	5	99	402	22	31
Michigan:								
2010	90	70	90	18	96	298	67	46
2014	99	86	96	32	99	442	73	35
2016	99	118	100	24	99	511	.....	.....
Minnesota:								
2010	90	44	99	9	100	586	48	3,099
2014	91	34	93	13	91	612	52	4,067
2016	90	90	94	7	98	879	(D)	(D)
North Dakota:								
2010	89	71	85	13	96	874	60	6,872
2014	90	71	89	10	99	801	30	1,653
2016	98	103	96	33	100	1,943	(D)	(D)
Washington:								
2010	98	376	97	392	99	1,197	80	16,901
2014	92	566	98	489	99	1,109	87	16,635
2016	100	662	98	205	98	1,472	56	14,517
Wisconsin:								
2010	82	73	91	12	96	866	92	2,742
2014	95	96	99	16	100	987	96	4,913
2016	99	120	84	39	100	825	48	4,502

(D) Withheld to avoid disclosing data for individual operations. [1] Data not available for all States for all years. [2] Amount applied excludes Bt (bacillus thuringiensis) and other biologicals.

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Table 14-13.—Potatoes, Fall: Fertilizer usage, 2010–2016 [1]

State and Year	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*
Colorado:								
2010	97	10.0	92	10.4	66	3.9	93	5.2
2014	94	9.2	93	7.2	70	1.6	94	2.6
2016	93	7.8	93	9.1	86	6.3	92	2.3
Idaho:								
2010	100	75.0	96	53.2	91	35.9	81	30.0
2014	99	78.1	98	47.5	85	36.3	90	23.6
2016	100	88.3	94	62.5	94	43.3	83	29.3
Maine:								
2010	99	8.8	99	8.2	95	10.2	(D)	(D)
2014	98	8.3	98	7.1	98	8.7	12	0.1
2016	98	8.5	96	7.0	98	10.4	5	(Z)
Michigan:								
2010	100	8.6	98	3.5	100	8.6	(D)	(D)
2014	100	7.9	99	3.8	100	9.6	52	1.7
2016	100	8.8	99	2.8	99	10.0	87	2.2
Minnesota:								
2010	98	9.2	100	4.6	100	14.6	80	1.3
2014	100	6.2	88	2.8	80	5.9	66	0.9
2016	99	6.7	98	3.0	91	5.7	73	1.7
North Dakota:								
2010	100	15.1	89	7.9	84	14.3	44	1.3
2014	100	12.3	97	8.9	100	8.7	79	1.7
2016	100	16.0	99	8.8	81	14.0	52	1.3
Washington:								
2010	100	32.6	99	24.9	94	36.0	90	9.7
2014	100	29.2	100	20.1	97	18.2	82	7.2
2016	95	30.6	75	19.0	81	18.3	80	8.1
Wisconsin:								
2010	100	16.5	100	5.3	93	17.7	91	3.9
2014	100	15.0	96	5.4	99	20.8	89	4.2
2016	100	15.5	100	5.9	98	20.5	90	4.5

(D) Withheld to avoid disclosing data for individual operations. (Z) Less than half of rounding unit for data item shown (see data item definition for rounding unit). [1] Data not available for all States for all years.

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Table 14-14.—Rice: Pesticide usage, 2006 and 2013 [1]

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide		Fungicide		Other Chemicals	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*
Arkansas:								
2006	95	3,054	10	14	37	109	5	269
2013	97	2,646	30	10	45	103	5	251
California:								
2006	93	2,500	14	2	50	738	.....	.....
2013	96	2,986	28	6	45	553	*	*
Louisiana:								
2006	96	475	42	49	46	30	.....	.....
2013	99	680	17	13	73	82	*	*
Mississippi:								
2006	100	502	55	14	46	16	3	36
2013	100	364	51	2	35	9	6	37
Missouri:								
2006	100	454	.....	.....	25	12	.....	.....
2013	100	512	18	1	55	22	20	159
Texas:								
2006	97	496	77	83	55	21	.....	.....
2013	88	263	35	3	35	11	*	*

* Insufficient number of reports to publish data. [1] Data not available for all States for all years.
Note: Planted acres are in table 1-27.
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Table 14-15.—Rice: Fertilizer usage, 2006 and 2013 [1]

State and Year	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*
Arkansas:								
2006	97	281.2	68	54.7	60	64.9	9	6.0
2013	96	195.8	76	53.2	56	51.3	14	2.1
California:								
2006	94	61.4	75	18.2	40	7.2	31	4.0
2013	98	83.9	81	21.2	38	7.2	41	4.4
Louisiana:								
2006	99	52.8	78	14.6	75	16.2	4	0.3
2013	100	63.9	87	16.0	79	23.0	14	1.3
Mississippi:								
2006	99	35.8	29	2.5	4	0.5	42	1.5
2013	100	23.3	13	0.8	*	*	50	1.2
Missouri:								
2006	100	45.2	47	5.5	42	5.7	29	0.7
2013	100	32.7	56	4.7	*	*	29	0.6
Texas:								
2006	97	29.2	92	5.8	89	6.0	30	0.6
2013	90	22.3	82	5.5	79	5.4	11	0.1

* Insufficient number of reports to publish data. [1] Data not available for all States for all years.
Note: Planted acres are in table 1-27.
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Table 14-16.—Sorghum: Pesticide usage, 2003 and 2011 [1]

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide		Fungicide		Other chemicals	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Thousands*	*Percent*	*Thousands*				
Colorado:								
2003	52	132	.....	.....	.....	.....	.....	.....
2011	75	285	.....	.....	.....	.....	.....	.....
Kansas:								
2003	90	9,014	.....	.....	.....	.....	.....	.....
2011	96	9,411	4	3	.....	.....	.....	.....
Missouri:								
2003	98	571	6	4	.....	.....	.....	.....
Nebraska:								
2003	98	2,030	4	29	.....	.....	.....	.....
2011	84	362	*	*	.....	.....	.....	.....
Oklahoma:								
2003	84	329	*	*	.....	.....	.....	.....
2011	74	505	*	*	.....	.....	.....	.....
South Dakota:								
2003	87	430	.....	.....	.....	.....	.....	.....
2011	89	289	*	*	.....	.....	.....	.....
Texas:								
2003	78	2,881	20	208	.....	.....	.....	.....
2011	72	1,901	10	9	*	*	.....	.....

* Insufficient number of reports to publish data. [1] Data not available for all States for all years.
Note: Planted acres are in table 1-65.
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Table 14-17.—Sorghum: Fertilizer usage, 2003 and 2011 [1]

State	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur [2]	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*
Colorado:								
2003	61	7.8	39	5.5	.....	.....	.....	.....
2011	75	7.4	41	1.5	*	*	*	*
Kansas:								
2003	97	261.8	55	57.5	4	4.7	.....	.....
2011	83	135.7	51	32.8	8	2.9	9	1.5
Missouri:								
2003	100	25.0	75	9.1	72	10.8	.....	.....
Nebraska:								
2003	99	56.7	40	6.1	1	0.1	.....	.....
2011	88	11.0	41	1.9	15	0.2	22	0.4
Oklahoma:								
2003	69	15.5	36	3.6	11	0.8	.....	.....
2011	81	11.9	58	3.8	13	0.2	13	0.3
South Dakota:								
2003	84	13.0	54	4.4	3	0.1	.....	.....
2011	88	8.9	45	1.9	*	*	*	*
Texas:								
2003	63	182.8	43	45.5	14	5.5	.....	.....
2011	77	94.1	63	27.2	11	3.7	29	5.1

* Insufficient number of reports to publish data. [1] Data not available for all States for all years. [2] Estimates began in 2005.
Note: Planted acres are in table 1-65.
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Table 14-18.—Soybeans: Pesticide usage, 2017 and 2018 [1]

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide [2]		Fungicide		Other Chemicals [2]	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*
Arkansas:								
2017	97	7,898	33	350	13	76	(D)	(D)
2018	95	9,729	26	244	17	328	.....	.....
Illinois:								
2017	95	20,547	19	98	22	399	5	22
2018	98	23,531	16	98	24	643	(D)	(D)
Indiana:								
2017	98	14,058	15	48	16	209	6	7
2018	97	12,624	16	28	18	172	6	1
Iowa:								
2017	95	19,887	19	221	17	280	(D)	(D)
2018	100	21,526	19	283	19	357	(D)	(D)
Kansas:								
2017	93	9,362	15	87	4	22	(D)	(D)
2018	100	12,629	19	165	11	109	(D)	(D)
Kentucky:								
2017	97	3,759	33	87	21	55	5	2
2018	95	4,826	18	11	12	32	7	1
Louisiana:								
2015	97	4,186	63	.....	43	107	(D)	(D)
2018	96	4,296	59	512	46	659	3	(Z)
Michigan:								
2017	98	3,986	5	9	7	24	(D)	(D)
2018	99	4,026	6	59	(D)	(D)	3	(Z)
Minnesota:								
2017	94	12,240	38	577	13	203	(D)	(D)
2018	99	12,060	30	637	21	299	.....	.....
Mississippi:								
2017	100	8,596	50	493	40	135	14	498
2018	100	8,582	26	85	35	291	8	163
Missouri:								
2017	92	10,982	21	222	12	102	3	(Z)
2018	97	12,082	17	93	6	201	(D)	(D)
Nebraska:								
2017	98	11,089	6	189	9	105	(D)	(D)
2018	99	12,978	8	18	13	244	.....	.....
North Carolina								
2017	97	3,264	38	77	18	52	(D)	(D)
2018	97	4,726	23	27	14	33	(D)	(D)
North Dakota								
2017	94	11,454	13	241	6	82	(D)	(D)
2018	99	10,056	(D)	(D)	(D)	(D)	(D)	(D)
Ohio:								
2017	96	9,448	11	20	18	126	4	6
2018	100	9,726	8	12	11	123	(D)	(D)
South Dakota								
2017	98	11,515	(D)	(D)	3	18	(D)	(D)
2018	99	11,044	.....	.....	(D)	(D)	(D)	(D)
Tennessee:								
2015	100	4,427	22	14	15	40	(D)	(D)
2018	100	4,790	15	11	14	37	(D)	(D)
Virginia:								
2015	96	1,224	37	25	16	19	(D)	(D)
2018	100	1,124	27	12	24	33	(D)	(D)
Wisconsin:								
2017	96	3,058	(D)	(D)	14	47	(D)	(D)
2018	98	3,705	(D)	(D)	14	49	.....	.....

(D) Withheld to avoid disclosing data for individual operations. (Z) Less than the rounding unit. [1] Data not available for all States for all years. [2] Amount applied excludes Bt (bacillus thuringiensis) and other biologicals.

Note: Planted acres are in table 3-32.

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Table 14-19.—Soybeans: Fertilizer usage, 2017 and 2018 [1]

State and Year	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*
Arkansas:								
2017	13	18.9	51	106.7	59	205.0	2	2.6
2018	7	8.1	51	113.3	56	155.0	7	4.0
Illinois:								
2017	25	63.8	36	279.8	53	713.6	5	7.4
2018	25	60.0	43	350.6	61	733.9	5	9.7
Indiana:								
2017	31	57.3	39	144.2	62	417.2	6	8.4
2018	28	32.0	33	111.1	50	309.5	10	2.9
Iowa:								
2017	13	14.4	23	145.0	34	357.1	6	8.1
2018	13	17.2	21	125.9	32	276.3	8	16.3
Kansas:								
2017	49	40.6	54	118.0	26	65.4	14	4.7
2018	29	22.8	38	76.9	18	48.7	10	4.7
Kentucky:								
2017	28	13.7	68	94.4	70	130.2	7	2.5
2018	32	21.3	74	109.9	85	186.7	5	3.0
Louisiana:								
2015	(D)	(D)	29	22.0	29	27.9	7	1.8
2018	10	4.3	41	31.1	51	51.8	10	2.0
Michigan:								
2017	48	15.9	49	49.2	74	141.0	11	1.8
2018	50	16.9	48	45.7	77	155.6	18	8.9
Minnesota:								
2017	26	35.2	28	95.0	34	161.0	6	5.1
2018	29	32.8	35	124.9	36	191.4	11	11.5
Mississippi:								
2017	4	0.7	17	20.6	38	66.6	4	1.6
2018	6	2.6	31	43.8	44	99.9	6	1.8
Missouri:								
2017	20	32.4	46	143.9	55	272.0	11	7.4
2018	11	11.6	33	89.1	44	193.0	6	2.9
Nebraska:								
2017	43	34.4	46	128.1	16	28.1	19	14.2
2018	36	29.5	43	154.2	18	53.1	17	11.0
North Carolina								
2017	54	20.3	46	30.1	72	95.5	15	4.2
2018	46	17.5	45	28.4	70	83.8	9	3.1
North Dakota								
2017	45	48.7	50	167.4	11	19.2	12	13.4
2018	55	39.1	62	145.7	18	20.4	12	6.6
Ohio:								
2017	32	25.2	30	72.0	61	329.5	8	15.9
2018	33	22.8	37	107.5	57	295.1	4	1.4
South Dakota								
2017	40	22.4	56	124.1	26	50.3	4	5.7
2018	42	28.9	55	141.4	28	53.1	13	5.6
Tennessee:								
2015	48	22.1	66	78.1	70	116.5	17	2.9
2018	65	26.7	76	89.3	72	107.4	21	3.1
Virginia:								
2015	58	9.2	64	19.6	79	40.6	25	2.0
2018	53	6.3	56	15.4	65	34.7	27	1.1
Wisconsin:								
2017	59	24.3	56	52.5	80	156.0	31	9.1
2018	37	15.9	50	70.0	74	171.9	29	11.7

(D) Withheld to avoid disclosing data for individual operations. [1] Data not available for all States for all years.
Note: Planted acres are in table 3-32.
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Table 14-20.—Wheat: Pesticide usage, 2015 and 2017 [1]

State and Year	Percent treated and amount applied							
	Herbicide		Insecticide		Fungicide [2]		Other Chemicals [2]	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*	*Percent*	*Thousands*
Winter								
Colorado:								
2015	75	2,816	(D)	(D)	36	127	.....	.....
2017	83	3,230	(D)	(D)	24	63	.....	.....
Idaho:								
2015	90	.....	(D)	(D)	56	50	(D)	(D)
2017	95	496	15	20	60	79	.....	.....
Illinois:								
2015	45	56	9	1	25	21	(D)	(D)
2017	59	39	33	5	46	61	(D)	(D)
Kansas:								
2015	58	3,043	(D)	(D)	17	174	.....	.....
2017	69	4,917	(D)	(D)	21	250	.....	.....
Michigan:								
2017	66	80	40	4	67	67	11	5
Missouri:								
2015	40	98	22	5	27	38	.....	.....
2017	62	133	33	12	44	54	(D)	(D)
Montana:								
2015	97	3,299	(D)	(D)	18	42	.....	.....
2017	96	4,105	.....	.....	21	47	.....	.....
Nebraska:								
2015	69	607	(D)	(D)	(D)	(D)	(D)	(D)
2017	69	1,424	(D)	(D)	31	45	.....	.....
North Carolina:								
2015	78	127	41	7	29	21	.....	.....
North Dakota:								
2017	81	53	(D)	(D)	25	2	.....	.....
Ohio:								
2015	35	50	7	5	23	19	(D)	(D)
2017	41	44	17	4	29	28	.....	.....
Oklahoma:								
2015	44	1,539	(D)	(D)	(D)	(D)	.....	.....
2017	37	1,534	(D)	(D)	6	52	.....	.....
Oregon:								
2015	100	865	(D)	(D)	15	20	(D)	(D)
2017	98	1,525	(D)	(D)	39	53	(D)	(D)
South Dakota:								
2015	86	959	(D)	(D)	32	57	.....	.....
2017	60	542	(D)	(D)	25	22	.....	.....
Texas:								
2015	41	2,528	12	234	11	102	.....	.....
2017	23	607	6	109	17	91	.....	.....
Washington:								
2015	95	1,569	(D)	(D)	44	98	(D)	(D)
2017	99	1,885	(D)	(D)	67	222	(D)	(D)
Durum								
Arizona:								
2017	72	14	.....	.....	(D)	(D)	(D)	(D)
Idaho:								
2017	96	11	(D)	(D)	(D)	(D)	.....	.....
Montana:								
2015	98	678	(D)	(D)	26	12	.....	.....
2017	87	944	.....	.....	11	7	(D)	(D)
North Dakota:								
2015	100	673	(D)	(D)	72	116	.....	.....
2017	100	1,358	(D)	(D)	55	77	(D)	(D)
Other Spring								
Idaho:								
2017	93	211	16	2	45	27	(D)	(D)
Minnesota:								
2015	97	676	41	47	76	241	.....	.....
2017	96	538	37	16	86	199	.....	.....
Montana:								
2015	98	3,197	(D)	(D)	16	38	.....	.....
2017	94	3,603	.....	.....	7	27	.....	.....
North Dakota:								
2015	96	4,288	(D)	(D)	62	597	.....	.....
2017	99	4,467	12	48	57	416	.....	.....
South Dakota:								
2015	90	612	9	5	38	74	.....	.....
2017	89	613	13	3	28	22	.....	.....

(D) Withheld to avoid disclosing data for individual operations. [1] Data not available for all States for all years. [2] Amount applied excludes biologicals.

Note: Planted acres are in table 1-8.

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Table 14-21.—Wheat: Fertilizer usage, 2015 and 2017 [1]

State and Year	Percent treated and amount applied							
	Nitrogen		Phosphate		Potash		Sulfur [2]	
	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied	Area applied	Pounds applied
	Percent	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*	*Percent*	*Millions*
Winter Wheat								
Colorado:								
2015	79	75.3	52	25.5	6	0.9	16	1.6
2017	63	50.2	39	19.6	(D)	(D)	22	2.4
Idaho:								
2015	96	88.2	65	13.5	31	4.9	80	14.4
2017	92	88.2	80	17.6	37	7.2	76	15.3
Illinois:								
2015	90	38.8	72	27.5	58	33.1	10	1.2
2017	92	52.5	86	35.0	70	40.1	14	2.3
Kansas:								
2015	94	518.7	63	174.4	9	33.1	11	4.8
2017	85	466.2	62	137.5	(D)	(D)	18	10.9
Michigan:								
2017	92	47.1	62	13.4	80	23.4	46	4.5
Missouri:								
2015	92	55.4	80	33.4	80	42.5	19	1.6
2017	98	65.4	66	27.2	65	30.6	29	3.2
Montana:								
2015	99	154.4	93	69.5	32	7.9	31	5.6
2017	95	133.4	94	57.1	42	11.6	43	6.7
Nebraska:								
2015	83	65.6	58	30.2	3	0.8	23	3.2
2017	79	46.8	50	18.0	14	1.7	25	2.3
North Dakota:								
2017	87	5	70	2.0	(D)	(D)	(D)	(D)
Ohio:								
2015	88	35.4	74	20.9	70	26.0	22	1.8
2017	97	45.6	81	21.7	82	28.2	39	3.6
Oklahoma:								
2015	94	264.3	65	95.0	12	10.2	5	1.6
2017	92	294.5	53	63.6	12	11.6	(D)	(D)
Oregon:								
2015	97	33.3	15	1.4	13	1.4	60	3.8
2017	96	39.2	39	3.8	9	0.8	36	3.2
South Dakota:								
2015	99	118.2	79	46.3	13	2.2	33	3.3
2017	86	51.0	76	31.3	22	3.9	15	1.6
Texas:								
2015	67	209.2	42	63.4	10	14.7	22	10.7
2017	65	166.8	42	45.5	5	5.7	22	6.0
Washington:								
2015	99	129.6	59	16.6	14	2.2	86	18.3
2017	97	138.3	59	13.1	10	1.4	66	13.5
Durum								
Arizona:								
2017	98	21.4	(D)	(D)	(D)	(D)	(D)	(D)
Idaho:								
2017	96	3.1	(D)	(D)	(D)	(D)	91	0.4
Montana:								
2015	98	39.9	97	16.8	23	1.8	23	1.2
2017	97	64.0	92	23.7	31	4.0	42	3.9
North Dakota:								
2015	99	88.7	94	37.8	36	6.1	35	3.2
2017	100	108.2	95	38.3	29	3.8	33	3.4
Other Spring								
Idaho:								
2017	94	51.5	55	11.7	21	3.4	61	8.2
Minnesota:								
2015	95	147.2	87	49.0	69	34.5	30	4.6
2017	98	134.3	96	52.3	59	25.2	31	4.0
Montana:								
2015	94	158.6	81	55.5	28	11.7	36	7.7
2017	92	145.2	90	68.9	31	8.6	43	9.4
North Dakota:								
2015	99	633.9	95	244.8	41	49.5	30	13.8
2017	99	566.5	92	201.2	32	29.2	34	18.1
South Dakota:								
2015	98	116.6	80	43.4	21	8.2	24	3.2
2017	92	87.1	81	33.6	32	7.4	46	5.7

[1] Data not available for all States for all years.
Note: Planted acres are in table 1-8.
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Table 14-22.—Fruits, Pesticides: Percent of bearing acres receiving applications, for surveyed States, 2017 [1]

Crop	Herbicide	Insecticide	Fungicide	Other
	Percent			
Apples	40	87	88	88
Apricots	22	56	63	36
Avocados	46	49	1	55
Blackberries	59	60	68	9
Blueberries	65	87	90	37
Cherries, Sweet	41	88	90	82
Cherries, Tart	41	94	95	87
Dates	17	5	(D)	(D)
Figs	86	41	(D)	(D)
Grapefruit	53	74	69	61
Grapes, All	52	60	48	85
Grapes, Raisin	47	69	89	56
Grapes, Table	58	82	97	88
Grapes, Wine	50	55	82	39
Kiwifruit	37	56	43	68
Lemons	45	79	39	66
Nectarines	63	82	83	79
Olives	28	22	30	8
Oranges	75	92	84	62
Peaches	58	82	84	60
Pears	38	89	90	93
Plums	53	76	60	63
Prunes	56	69	80	40
Raspberries	84	86	89	32
Tangerines	53	75	53	59

(D) Withheld to avoid disclosing data for individual operations. [1] Refers to acres receiving one or more applications of a specific agricultural chemical.

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Table 14-23.—Fruit, Fertilizers: Percent of acres receiving applications, for surveyed States, 2015 [1]

Crop	Nitrogen	Phosphate	Potash	Sulfur
	Percent			
Apples	60	42	48	21
Apricots	78	16	34	29
Avocados	81	58	63	25
Blackberries	54	71	79	26
Blueberries	72	78	81	30
Cherries, Sweet	80	57	59	15
Cherries, Tart	81	30	64	22
Dates	74	83	83	(D)
Figs	72	(D)	39	
Grapefruit	95	86	89	35
Grapes, All	77	51	67	24
Grapes, Raisin	64	62	64	8
Grapes, Table	142	28	88	76
Grapes, Wine	75	54	67	25
Kiwifruit	84	58	71	61
Lemons	75	56	73	26
Nectarines	73	63	79	29
Olives	53	28	34	5
Oranges	50	62	70	35
Peaches	79	54	61	11
Pears	66	42	37	33
Plums	74	50	79	48
Prunes	63	9	51	20
Raspberries	71	98	97	13
Tangelos	91	82	95	(D)
Tangerines	89	72	78	41

(D) Withheld to avoid disclosing data for individual operations. [1] Refers to acres receiving one or more applications of a specific agricultural chemical.

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Table 14-24.—Vegetables, Pesticides: Percent of acres receiving applications, for surveyed States, 2016 [1]

Crop	Herbicide	Insecticide	Fungicide	Other
	Percent			
Asparagus	88	90	53	(D)
Beans, Snap, Fresh	D	(D)	(D)	
Beans, Snap, Processed	97	58	49	(D)
Broccoli	46	68	38	(D)
Cabbage, Fresh	(D)	(D)	(D)	(D)
Cantatoupes	54	85	79	23
Carrots, Fresh	77	35	75	(D)
Carrots, Processed	100	100	100	
Cauliflower	47	76	11	3
Celery	42	71	65	2
Sweet Corn, Fresh	(D)	(D)	(D)	2
Sweet Corn, Processed	97	71	31	(D)
Cucumbers, Fresh	(D)	(D)	(D)	(D)
Cucumbers, Pickles	(D)	(D)	(D)	(D)
Garlic	89	58	88	3
Honeydews	24	92	87	(D)
Head Lettuce	52	90	76	(D)
Other Lettuce	42	85	71	(D)
Onions, Dry	92	91	88	29
Green Peas, Processed	98	29	14	
Bell Peppers	44	81	84	27
Pumpkins	76	32	69	6
Spinach	41	79	75	38
Squash	51	53	76	13
Strawberries	27	90	96	73
Tomatoes, Fresh	(D)	(D)	(D)	(D)
Tomatoes, Processed	69	79	87	23
Watermelons	52	80	84	20

(D) Withheld to avoid disclosing data for individual operations. [1] Refers to acres receiving one or more applications of a specific agricultural chemical.

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Table 14-25.—Vegetables, Fertilizers: Percent of acres receiving applications, for surveyed States, 2014 [1]

Crop	Nitrogen	Phosphate	Potash	Sulfur
	Percent			
Asparagus	99	35	69	38
Beans, Snap, Fresh	(D)	(D)	(D)	(D)
Beans, Snap, Proc	88	84	84	58
Broccoli	97	83	45	40
Cabbage, Fresh	97	94	92	44
Cantatoupes	94	82	73	(D)
Carrots, Fresh	(D)	(D)	(D)	(D)
Carrots, Proc	99	77	62	42
Cauliflower	98	87	66	64
Celery	96	91	82	18
Sweet Corn, Fresh	98	87	85	22
Sweet Corn, Proc	88	73	68	49
Cucumbers, Fresh	97	94	96	37
Cucumbers, Pickles	(D)	(D)	(D)	(D)
Eggplant				
Garlic	98	73	9	(D)
Honeydews	(D)	(D)	(D)	(D)
Head Lettuce	97	92	(D)	(D)
Other Lettuce	99	97	(D)	(D)
Onions	98	91	68	51
Green Peas, Proc	78	58	56	40
Bell Peppers	(D)	(D)	(D)	(D)
Potatoes, fall	99	97	90	79
Pumpkins	93	71	89	26
Spinach	95	91	29	(D)
Squash	88	76	81	21
Strawberries	96	94	96	74
Tomatoes, Fresh	(D)	(D)	(D)	(D)
Tomatoes, Proc	98	64	58	13
Watermelons	94	85	94	34

(D) Withheld to avoid disclosing data for individual operations. [1] Refers to acres receiving one or more applications of a specific agricultural chemical.

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CHAPTER XV

MISCELLANEOUS AGRICULTURAL STATISTICS

This chapter contains miscellaneous data which do not fit into the preceding chapters. Included here are summary tables on foreign trade in agricultural products; statistics on fishery products; tables on refrigerated warehouses; and statistics on crops in Alaska.

Foreign Agricultural Trade Statistics

Agricultural products, sometimes referred to as food and fiber products, cover a broad range of goods from unprocessed bulk commodities like soybeans, feed corn and wheat to highly-processed, high-value foods and beverages like sausages, bakery goods, ice cream, or beer sold in retail stores and restaurants. All of the products found in Chapters 1-24 (except for fishery products in Chapter 3) of the U.S. Harmonized Tariff Schedule are considered agricultural products. These products generally fall into the following categories: grains, animal feeds, and grain products (like bread and pasta); oilseeds and oilseed products (like canola oil); livestock, poultry and dairy products including live animals, meats, eggs, and feathers; horticultural products including all fresh and processed fruits, vegetables, tree nuts, as well as nursery products and beer and wine; unmanufactured tobacco; and tropical products like sugar, cocoa, and coffee. Certain other products are considered ''agricultural,'' the most significant of which are essential oils (Chapter 33), protein isolates and modified starches (Chapter 35), raw rubber (Chapter 40), raw animal hides and skins (Chapter 41), and wool and cotton (Chapters 51-52). Manufactured products derived from plants or animals, but which are not considered ''agricultural'' by USDA's definition are cotton yarn, textiles and clothing; leather and leather articles of apparel; and cigarettes and spirits. The World Trade Organization's definition of agricultural products varies in that it includes some products like spirits and tobacco products.

U.S. foreign agricultural trade statistics are based on documents filed by exporters and importers and compiled by the Bureau of the Census. Puerto Rico is a Customs district within the U.S. Customs territory, and its trade with foreign countries is included in U.S. export and import statistics. U.S. export and import statistics include merchandise trade between the U.S. Virgin Islands and foreign countries even though the Virgin Islands of the United States are not officially a part of the U.S. Customs territory.

The export value, the value at the port of exportation, is based on the selling price and includes inland freight, insurance, and other charges to the port. The country of destination is the country of ultimate destination or where the commodities are consumed or further processed.

Agricultural products, like manufactured goods, are often transhipped from the one country to another. Shippers are asked to identify the ultimate destination of a shipment. However, transhipment points are often recorded as the ultimate destination even though the actual point of consumption may be in a neighboring state. Thus, exports to countries which act as transhipment points are generally overstated, while exports to neighboring countries are often understated. Major world transhipment points include the Netherlands, Hong Kong, and Singapore. In such cases, exports are over reported for the Netherlands, but under reported for Germany, Belgium and the United Kingdom. They are overstated to Hong Kong, but under reported to China, and they are overstated to Singapore, but understated to Malaysia and Indonesia.

Imports for consumption are a combination of entries for immediate consumption and withdrawals from bonded warehouses for consumption. The import value, defined generally as the market value in the foreign country, excludes import duties, ocean freight, and marine insurance. The country of origin is defined as the country where the commodities were grown or processed. Where the country of origin is not known, the imports are credited to the country of shipment.

Table 15-1.—Foreign trade: Value of total agricultural exports and imports, United States, fiscal years 2009–2018

Fiscal year Oct. 1-Sep. 30	U.S. total domestic exports			U.S. total imports for consumption, customs value			Surplus agricultural exports over agricultural imports
	Total merchandise exports	Agricultural exports [1]	Agricultural exports share of total exports	Total merchandise imports	Agricultural imports	Agricultural imports share of total imports	
	Million dollars	*Million dollars*	*Percent*	*Million dollars*	*Million dollars*	*Percent*	*Million dollars*
2009	940,682	96,296	10	1,594,328	73,404	5	22,892
2010	1,077,045	108,529	10	1,844,486	78,963	4	29,566
2011	1,268,437	137,465	11	2,147,138	94,511	4	42,954
2012	1,343,129	135,907	10	2,272,484	103,371	5	32,536
2013	1,360,350	141,139	10	2,262,244	103,871	5	37,268
2014	1,398,923	152,326	11	2,334,197	109,258	5	43,068
2015	1,327,349	139,757	11	2,289,950	114,234	5	25,523
2016	1,222,350	129,603	11	2,177,103	113,028	5	16,575
2017	1,283,037	140,184	11	2,288,134	119,087	5	21,097
2018	1,401,562	143,290	10	2,502,014	127,555	5	15,735

[1] Includes food exported for relief or charity by individuals and private agencies.
ERS, Market and Trade Economics Division, (202) 694–5257.

Table 15-2.—Foreign trade: Value and quantity of bulk commodity exports, United States, fiscal years 2009–2018 [1]

Fiscal year	Wheat, unmilled	Rice, milled	Feed grains [2]	Oilseeds [3]	Tobacco unmanufactured	Cotton and linters	Bulk commodities
	Value						
	Million dollars	*Million dollars*	*Million dollars*	*Million dollars*	*Million dollars*	*Million dollars*	*Million dollars*
2009	5,997	2,241	9,982	14,790	1,199	3,561	38,081
2010	5,840	2,296	9,806	17,951	1,223	4,836	42,319
2011	11,504	2,117	13,969	21,571	1,116	8,982	59,494
2012	8,376	1,963	11,713	21,101	1,051	6,551	50,951
2013	10,126	2,212	6,191	22,456	1,193	5,649	48,081
2014	8,260	2,002	12,475	25,758	1,114	4,614	54,355
2015	5,914	2,036	11,054	23,175	1,250	4,146	47,643
2016	5,136	1,839	10,767	21,925	1,042	3,451	44,455
2017	6,200	1,714	10,765	25,307	1,029	5,867	51,184
2018	5,058	1,638	12,260	23,088	1,098	6,634	49,855
	Quantity						
	1,000 metric tons	*1,000 metric tons*	*1,000 metric tons*	*1,000 metric tons*	*1,000 metric tons*	*1,000 metric tons*	*1,000 metric tons*
2009	22,545	3,388	51,442	35,713	168	2,805	117,189
2010	25,698	4,260	53,849	42,499	185	2,746	130,475
2011	34,583	3,920	49,170	41,365	174	3,113	133,289
2012	26,969	3,578	40,018	39,247	167	2,731	113,752
2013	31,110	3,848	20,453	35,862	165	2,921	95,503
2014	27,091	3,355	56,625	46,050	152	2,202	136,840
2015	21,398	3,971	56,314	51,212	177	2,535	136,798
2016	22,538	3,806	59,111	55,146	156	2,202	144,338
2017	28,080	3,986	61,587	60,713	150	3,298	159,134
2018	21,018	3,048	68,562	57,740	156	3,666	155,248

[1] Fiscal years, Oct. 1–Sept. 30. [1] Corn, barley, sorghum, rye, and oats. [3] Soybeans, peanuts, rapeseed, cottonseed, sunflowerseed, safflowerseed, and others.
ERS, Market and Trade Economics Division, (202) 694–5257.

Table 15-3.—Agricultural exports: Value to top 50 countries of destination, United States, fiscal years 2016–2018 [1]

Country	2016	2017	2018
	Million dollars	*Million dollars*	*Million dollars*
Canada	20,391.5	20,442.1	20,568.9
Mexico	17,617.9	18,608.2	18,766.8
China	19,167.8	21,840.6	16,308.6
Japan	10,600.8	11,829.9	12,604.5
Korea, South	5,693.4	6,847.0	7,976.9
Hong Kong	3,504.5	4,043.3	4,200.0
Vietnam	2,354.1	2,559.0	3,896.8
Taiwan	3,072.3	3,398.0	3,793.2
Netherlands	2,412.7	2,788.1	3,253.5
Indonesia	2,375.7	2,967.8	3,096.5
Philippines	2,469.9	2,627.8	2,831.3
Colombia	2,257.2	2,550.8	2,757.4
Thailand	1,464.9	1,781.6	2,148.6
Spain	1,694.1	1,355.1	1,815.6
United Kingdom	1,879.6	1,741.9	1,749.7
Germany(*)	1,983.9	1,810.2	1,733.7
Egypt	744.3	772.1	1,695.4
Turkey	1,384.1	1,711.4	1,680.6
India	1,233.4	1,504.2	1,574.7
Pakistan	531.3	834.0	1,459.5
Australia(*)	1,304.3	1,369.4	1,429.4
Saudi Arabia	1,293.2	1,588.5	1,335.2
Peru	1,137.5	1,187.6	1,325.9
Dominican Republic	1,109.1	1,232.2	1,275.7
Guatemala	1,078.6	1,081.7	1,207.0
Italy(*)	868.5	898.6	1,047.9
United Arab Emirates	1,132.2	1,071.6	1,033.8
Chile	826.8	912.0	966.2
Malaysia	797.9	903.2	962.0
Bangladesh	561.4	892.4	866.4
Singapore	675.1	824.3	794.2
Belgium-Luxembourg(*)	722.8	851.9	768.4
Costa Rica	654.8	691.4	727.1
Honduras	638.7	597.7	681.7
Panama	643.7	665.0	668.5
Israel(*)	530.9	527.7	665.3
Morocco	312.9	485.2	588.1
Brazil	801.6	725.5	586.5
France(*)	600.5	535.1	560.0
El Salvador	510.2	487.2	502.3
Ireland	430.1	389.5	493.4
New Zealand(*)	357.1	379.8	463.9
Haiti	351.2	390.2	394.4
Jamaica	377.8	376.8	393.6
Switzerland(*)	449.8	454.1	386.3
Argentina	147.2	174.2	355.3
Venezuela	652.6	441.2	350.5
Ecuador	311.6	271.4	343.7
Trinidad and Tobago	360.7	331.2	341.7
Nigeria	397.4	500.5	337.9
Other Countries	6,733.008	6,934.254	7,525.205
World Total [2]	129,602.8	140,184.5	143,289.6

[1] Fiscal years Oct. 1–Sept. 30. [2] Totals may not add due to rounding.
ERS, Market and Trade Economics Divison, (202) 694–5257.

Table 15-4.—Foreign trade in agricultural products: Value of exports by principal commodity groups, United States, fiscal years 2015–2018 [1]

Commodity	2015	2016	2017	2018
	1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Total Merchandise Exports	1,327,349,171	1,444,275,202	1,516,862,363	1,652,676,063
Nonagricultural U.S. Exports (Na)	1,187,592,537	1,314,672,408	1,376,677,901	1,509,386,425
Total Agricultural exports	139,756,634	129,602,794	140,184,462	143,289,638
Animals and animal products	28,512,096	24,917,274	28,266,895	29,905,674
Animals, live	517,797	457,572	542,968	632,009
Cattle	108,568	67,762	158,462	263,581
Horses,mules,burros-live	386,728	372,184	361,804	343,011
Swine, live	17,259	13,709	18,930	21,651
Sheep, live	3,624	2,280	2,551	2,408
Other live Animals	1,618	1,637	1,221	1,358
Red meat and products	13,077,055	12,265,093	14,154,815	15,292,850
Beef and Veal	5,849,774	5,196,925	6,173,078	7,322,023
Beef and Veal, fresh/frozen	5,557,096	4,966,796	5,959,980	7,107,951
Beef prep/pres	292,678	230,129	213,097	214,071
Horsemeat, fresh/frozen	3	204	806	52
Lamb and Goat, fr/frozen	12,202	11,525	14,851	14,301
Pork	4,975,735	4,737,457	5,226,903	5,431,115
Pork, fresh/frozen	4,226,602	3,992,969	4,477,636	4,672,600
Pork, prep/pres	749,133	744,488	749,267	758,515
Variety meats	1,599,321	1,660,265	1,884,125	1,725,777
Beef variety meats	878,909	897,749	895,996	873,756
Pork variety meats	653,463	689,246	905,847	756,925
Other variety meats	66,950	73,270	82,281	95,096
Other meats, fresh/frozen	640,019	658,718	855,052	799,582
Poultry and products	5,479,689	4,551,342	4,906,453	5,251,404
Poultry, live	175,244	165,604	196,230	215,735
Baby chicks	162,478	148,859	179,087	199,578
Other live poultry	12,766	16,745	17,143	16,157
Poultry meats	4,258,222	3,595,801	3,843,887	4,096,912
Chickens, fresh/frozen	3,143,075	2,587,149	2,786,362	3,007,197
Turkeys, fresh/frozen	521,586	437,249	429,313	412,055
Other poultry, fresh/frozen	7,525	4,944	6,277	4,160
Poultry meats, prep	586,037	566,458	621,935	673,499
Poultry, misc	385,074	235,963	313,388	342,795
Eggs	661,149	553,97	552,948	595,963
Dairy products	5,654,659	4,625,088	5,403,880	5,665,106
Evaporated/condensed milk	41,586	35,198	34,029	35,993
Nonfat dry milk	1,549,007	1,184,268	1,372,459	1,453,861
Butter and milkfat	80,254	48,924	103,689	144,127
Cheese	1,447,073	1,174,584	1,416,711	1,484,745
Whey,fluid/dried	744,391	548,501	695,441	668,874
Other dairy products	1,792,348	1,633,612	1,781,552	1,877,506
Fats, oils, and greases	478,352	489,604	604,300	583,059
Lard	51,533	55,835	97,809	89,411
Tallow, inedible	242,136	206,771	256,220	216,879
Other animal fats	184,683	226,998	250,270	276,770
Hides and skins	2,625,767	1,887,730	1,931,099	1,579,405
Bovine hides, whole	1,338,926	1,018,548	1,128,521	884,305
Other cattle hides	10,051	12,945	18,177	17,378
Calf skins, whole	60,999	47,385	102,640	127,000
Horse hides, whole	328,179	80,186	23,742	12,703
Sheep and lamb skins	14,389	14,100	15,106	12,977
Other hides and Skin	381,902	421,596	428,034	372,867
Furskins	491,322	292,969	214,880	152,175
Mink pelts	454,158	272,258	199,224	136,433
Other furskins	37,164	20,712	15,656	15,741
Wool and mohair	22,111	18,459	23,191	27,089
Sausage casings	242,230	245,525	277,883	397,834
Bull semen	164,628	160,576	162,597	187,471
Miscellaneous animal products	249,808	216,285	259,708	289,447
Grains and feeds	31,979,826	29,809,947	30,480,137	31,422,618
Wheat,unmilled	5,913,809	5,135,816	6,200,242	5,057,825
Wheat flour	154,665	171,611	161,329	129,222
Other wheat products	195,253	153,565	135,698	142,731
Rice-paddy, milled	2,035,957	1,839,216	1,713,978	1,638,197
Feed grains and products	11,534,618	11,230,058	11,254,465	12,755,616
Feed grain	11,056,967	10,773,212	10,768,143	12,262,801
Barley	68,494	40,168	31,233	28,293
Corn	8,797,355	9,130,058	9,664,129	11,271,337
Grain sorghum	2,183,324	1,589,711	1,060,498	952,725
Oats	4,566	7,248	8,817	6,676
Rye	3,228	6,027	3,465	3,770
Feed grain products	477,650	456,846	486,322	492,815

See footnote(s) at end of table.

Table 15-4.—Foreign trade in agricultural products: Value of exports by principal commodity groups, United States, fiscal years 2015–2018 [1]—Continued

Commodity	2015	2016	2017	2018
	1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Grains and feeds--Continued				
Popcorn	119,418	95,115	120,465	114,592
Blended food products	60,375	50,173	53,526	58,693
Other grain products	3,843,364	3,670,468	3,635,910	3,635,678
Feeds and fodders	8,122,368	7,463,928	7,204,523	7,890,063
Corn by-products	729,183	624,848	625,558	694,577
Alfalfa meal and cubes	63,716	73,571	65,709	51,691
Beef pulp	105,044	97,747	94,493	108,913
Citrus pulp pellets	3,468	1,056	26	171
Other feeds and fodders	7,220,956	6,666,707	6,418,737	7,034,711
Fruit and prep	6,537,610	6,138,011	6,305,000	6,387,537
Fruits, fresh	4,778,587	4,491,929	4,673,831	4,717,488
Citrus fruits	981,998	983,861	1,013,472	969,159
Grapefruit	121,652	106,136	94,411	61,458
Lemons and limes	214,686	180,093	187,082	179,029
Oranges and tangerines	626,805	679,606	720,397	708,338
Other citrus	18,855	18,026	11,582	20,335
Noncitrus Fruits	3,796,589	3,508,068	3,660,359	3,748,329
Apples	1,094,508	894,191	958,318	1,078,493
Berries	711,261	677,923	674,394	705,185
Cherries	431,289	476,419	642,677	520,628
Grapes	825,889	765,229	748,095	769,751
Melons,	151,182	153,556	159,671	159,702
Peaches	160,759	140,184	118,484	125,333
Pears	199,433	176,004	144,833	153,883
Plums	58,006	59,080	59,361	60,318
Other noncitrus	164,261	165,481	154,526	175,036
Fruits, dried	653,819	577,168	544,293	528,925
Raisin	342,718	321,685	304,912	296,091
Prunes	186,235	165,000	142,983	144,966
Other dried fruits	124,866	90,483	96,398	87,868
Fruits, canned	657,244	605,718	641,322	681,444
Fruits, frozen	129,205	135,414	123,023	128,041
Other fruits, prep	318,755	327,782	322,532	331,641
Fruits, juices	1,105,501	1,096,075	984,448	911,392
Apple juice	45,769	46,510	49,840	57,897
Grape juice	71,468	68,295	69,481	77,122
Grapefruit juice	40,782	36,797	36,307	39,427
Orange juice	388,810	382,748	339,566	252,295
Other fruit juices	558,671	561,724	489,254	484,650
Wine	1,524,051	1,528,841	1,416,826	1,460,299
Nuts and prep	9,454,947	8,235,668	8,758,990	9,426,055
Almonds	5,112,939	4,647,338	4,198,797	4,582,763
Filberts	114,335	74,184	94,873	85,526
Peanuts	543,439	595,969	549,772	576,479
Pistachios	1,066,101	775,538	1,514,356	1,530,703
Walnuts	1,653,175	1,250,877	1,371,122	1,518,026
Pecans	503,545	465,097	617,955	689,631
Other nuts	461,412	426,664	412,115	442,927
Vegetables and prep	6,936,302	7,148,344	7,328,383	7,012,091
Vegetables fresh	2,396,169	2,480,008	2,505,145	2,543,902
Aspargus	22,610	48,250	62,297	81,673
Broccoli	123,610	117,248	103,284	102,855
Carrots	111,339	111,240	110,805	110,932
Cabbage	37,191	48,456	59,480	75,736
Celery	83,532	96,764	87,452	79,398
Cauliflower	132,701	135,060	147,415	158,655
Corn sweet	43,855	46,765	49,833	49,769
Cucumbers	17,202	14,493	15,871	13,377
Garlic	14,514	14,949	17,062	14,518
Lettuce	502,520	488,803	499,980	480,404
Mushrooms	30,897	26,848	25,313	34,074
Onions and shallots	166,534	196,622	170,178	184,520
Peppers	82,702	79,938	77,504	76,506
Potatoes	185,347	202,462	232,420	232,591
Tomatoes	145,996	122,977	113,058	110,832
Other fresh vegetables	695,619	729,133	733,194	738,063
Vegetables, frozen	1,344,136	1,482,142	1,534,031	1,514,446
Corn, sweet	98,835	107,487	113,027	107,581
Potatoes	1,030,075	1,137,482	1,164,936	1,165,897
Other frozen vegetables	215,226	237,174	256,068	240,968
Vegetables, canned	731,848	633,902	587,240	546,326
Pulses	698,461	776,779	869,517	625,349
Dried Beans	321,625	298,078	312,461	307,245
Dried Peas	197,783	255,952	189,915	125,586
Dried Lentils	147,097	173,308	256,189	92,576
Dried chickpeas	31,957	49,441	110,952	99,941
Other vegetables, prep/pres	1,765,688	1,775,513	1,832,450	1,782,068

See footnote(s) at end of table.

Table 15-4.—Foreign trade in agricultural products: Value of exports by principal commodity groups, United States, fiscal years 2015–2018 [1]—Continued

Commodity	2015	2016	2017	2018
	1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Oilseeds and products	31,537,081	29,195,088	32,454,496	31,140,315
Oilcake and meal	5,309,655	4,226,161	3,933,169	5,026,936
Bran and residues	16,281	12,558	13,443	23,454
Corn oilcake and meal	30,700	3,033	928	670
Soybean meal	5,226,921	4,155,217	3,873,413	4,962,576
Other oilcake and meal	35,753	55,354	45,385	40,237
Oilseeds	23,175,060	21,925,165	25,306,886	23,087,876
Rapeseed	107,133	106,103	98,727	99,388
Safflower seeds	1,032	981	826	658
Soybeans	21,619,752	20,428,736	23,803,452	21,601,498
Sunflowerseeds	119,873	101,451	78,666	73,063
Peanuts, oilstock	120,392	213,436	128,468	119,345
Other oilseeds	112,852	82,948	141,363	126,498
Protein substances	1,094,025	991,510	1,055,385	1,067,426
Vegetable oils	3,052,365	3,043,762	3,214,441	3,025,503
Soybean oil	772,997	842,844	953,402	897,014
Cottonseed oil	35,644	21,495	32,402	45,538
Sunflower oil	41,772	51,519	42,165	47,245
Corn oil	391,447	430,201	469,927	284,027
Peanut oil	14,950	11,611	11,974	11,548
Rapeseed oil	95,483	94,427	110,214	96,549
Safflower oil	29,735	26,555	17,632	16,600
Other vegetable oils/waxes	1,670,338	1,565,109	1,576,725	1,626,982
Tobacco, unmfg	1,250,303	1,042,410	1,028,510	1,098,077
Tobacco, light air	239,592	160,616	144,913	127,490
Tobacco, flue	745,158	671,652	651,849	757,104
Other tobacco, unmfg	265,553	210,142	231,748	213,484
Cotton, excluding linters	4,132,816	3,443,196	5,850,072	6,620,093
Cotton linters	12,701	7,475	16,604	13,916
Essential oils	1,811,412	1,834,118	1,969,749	2,108,218
Seeds, field and garden	1,538,150	1,563,593	1,706,781	1,810,447
Sugar and tropical products	5,080,272	5,034,499	4,927,314	5,039,263
Sugar and related products	1,769,962	1,734,404	1,679,840	1,783,458
Sugar, cane or beet	93,872	73,142	65,729	110,268
Related sugar products	1,676,090	1,661,263	1,614,111	1,673,190
Coffee	914,023	937,513	865,479	875,883
Cocoa	216,217	235,772	208,800	188,409
Chocolate and prep	1,549,343	1,511,799	1,558,222	1,561,691
Tea, including herbal	375,696	381,918	363,452	370,710
Spices	189,142	184,499	189,329	198,003
Rubber, crude	61,870	45,130	56,934	54,887
Fibers, excluding cotton	4,018	3,463	5,259	6,222
Other hort products	5,988,961	6,276,378	6,389,989	6,584,109
Hops, including extract	223,219	243,674	275,051	337,249
Starches, not wheat/corn	148,691	135,850	132,847	139,198
Yeasts	98,126	92,762	103,119	104,381
Misc hort products	5,518,925	5,804,092	5,878,971	6,003,282
Nursery & greenhouse	398,038	401,839	417,329	437,985
Beverages, excluding juice	1,956,567	1,930,038	1,882,938	1,911,548

[1] Fiscal years, Oct. 1–Sept. 30. Totals may not add due to rounding.
ERS, Market and Trade Economics Division, (202) 694–5257.
Compiled from reports of the U.S. Department of Commerce.

Table 15-5.—Foreign trade in agricultural products: Value of imports by principal groups, United States, fiscal years 2015–2018 [1]

Product	2015	2016	2017	2018
	1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Total merchandise imports	2,289,950,229	2,177,103,456	2,288,133,846	2,502,014,094
Non-agricultural U.S. imports	2,175,715,751	2,064,075,226	2,169,046,390	2,374,459,025
Total agricultural imports	114,234,478	113,028,230	119,087,456	127,555,069
Animals & prods.	19,552,590	16,588,443	15,764,185	16,546,985
Animals - live, excluding poultry	3,477,351	2,634,280	2,495,026	2,565,470
Cattle and calves	2,641,307	1,688,912	1,487,359	1,564,485
Horses, mules, burros	406,371	548,516	629,370	628,048
Swine	369,828	334,417	323,244	315,040
Sheep, Live	212	1,224	498	281
Other live animals	59,633	61,212	54,555	57,617
Red meat & products	10,069,144	8,239,769	8,164,523	8,699,017
Beef & veal	7,203,200	5,371,892	5,115,124	5,585,545
Beef & veal - fresh or frozen	6,775,861	4,997,263	4,741,634	5,148,969
Beef & veal - prep. or pres.	427,338	374,629	373,490	436,576
Pork	1,668,243	1,658,024	1,705,225	1,644,762
Pork - fr. or froz.	1,350,379	1,335,915	1,375,734	1,287,495
Pork - prep. or pres.	317,864	322,109	329,491	357,267
Mutton, goat & lamb	765,147	775,142	924,135	988,961
Horsemeat - fr. or froz.	2,173	1,875	1,872	2,161
Variety meats - fr. or froz.	305,178	300,613	260,119	292,870
Other meats - fr. or froz.	48,847	45,336	54,502	64,721
Other meats & prods.	76,355	86,888	103,547	119,996
Poultry and prods.	810,912	863,321	742,801	777,000
Poultry - live	44,915	50,020	49,383	43,570
Poultry meat	467,868	527,524	470,456	511,817
Eggs	111,736	169,880	83,937	65,087
Poultry, misc.	186,394	115,897	139,026	156,526
Dairy products	3,599,504	3,390,270	2,924,482	2,960,615
Milk & cream, fresh or dried	112,480	105,049	105,355	125,485
Butter & butterfat mixtures	154,896	185,582	185,735	282,778
Cheese	1,314,099	1,274,612	1,167,223	1,279,745
Casein & mixtures	675,189	529,484	513,472	437,488
Other dairy prods.	1,342,840	1,295,543	952,697	835,118
Fats, oils, & greases	178,954	183,266	221,349	216,915
Hides & skins	255,344	177,594	101,928	58,433
Sheep & lamb skins	390	357	443	554
Other hides & skins	57,057	41,474	31,717	26,752
Furskins	197,897	135,763	69,768	31,127
Wool - unmfg.	21,334	17,726	15,283	14,872
Apparel grade wool	11,499	8,904	6,970	8,604
Carpet grade wool	9,834	8,822	8,312	6,268
Sausage casings	208,941	182,695	193,893	205,042
Bull semen	39,206	43,400	42,404	37,287
Misc. animal prods	891,660	855,872	862,325	1,012,153
Silk, raw	239	249	171	180
Grains & feeds	11,101,561	11,081,955	11,717,871	13,356,612
Wheat, ex. seed	774,414	511,095	590,870	832,111
Corn, unmilled	227,223	371,116	286,792	193,442
Oats, unmilled	442,779	318,305	314,156	314,183
Barley, unmilled	121,875	100,797	53,789	39,050
Rice	744,299	666,836	638,369	849,736
Biscuits & wafers	3,408,778	3,823,517	4,260,715	4,754,636
Pasta & noodles	618,264	594,473	566,804	582,949
Other grains & preps.	3,013,014	3,002,316	3,261,529	3,714,752
Feeds & fodders, excluding oilcake	1,750,916	1,693,501	1,744,846	2,075,752
Fruits & preps.	13,743,739	14,870,528	16,218,975	17,050,215
Fruits - fr. or froz.	11,051,180	12,058,808	13,356,080	13,838,658
Apples, fresh	211,044	264,701	237,266	201,324
Avocados	1,626,106	1,717,897	2,605,107	2,431,486
Berries, excl. strawberries	1,733,779	1,986,251	2,065,450	2,367,491
Bananas & plantains - fresh or frozen	2,238,481	2,271,361	2,296,646	2,415,573
Citrus, fresh	821,272	955,802	1,059,970	1,277,353
Grapes, fresh	1,291,933	1,449,269	1,618,416	1,574,925
Kiwifruit, fresh	117,998	127,963	121,492	137,339
Mangoes	525,461	545,951	544,057	532,008
Melons	611,680	691,252	664,404	686,634
Peaches	65,753	76,867	69,564	72,513
Pears	134,854	111,125	116,337	131,854
Pineapples - fr. or froz.	644,879	663,304	682,451	678,517
Plums	49,893	53,915	43,707	46,530
Strawberries - fr. or froz.	580,620	725,172	800,018	800,863
Other fruits - fr. or froz.	397,428	417,980	431,195	484,248
Fruits - prep. or pres.	2,692,559	2,811,721	2,862,895	3,211,557
Bananas & plantains - prep. or pres.	136,767	143,414	147,905	169,485
Pineapples - canned or prep.	378,972	389,838	355,656	285,541
Other fruits - prep. or pres.	2,176,820	2,278,468	2,359,334	2,756,531
Fruit juices	1,838,631	1,760,524	1,937,164	2,168,451
Apple juice	500,987	476,474	438,982	466,881
Grape juice	80,206	73,353	64,472	75,270
Grapefruit juice	736	1,293	4,777	14,985
Lemon juice	127,333	114,142	122,661	123,027
Lime juice	27,013	30,173	33,404	31,682
Orange juice	617,729	556,712	774,656	933,653
Pineapple juice	127,480	118,602	110,346	65,033
Other fruit juice	357,148	389,776	387,867	457,920

See footnote(s) at end of table.

Table 15-5.—Foreign trade in agricultural products: Value of imports by principal groups, United States, fiscal years 2015–2018 [1]—Continued

Product	2015	2016	2017	2018
	1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Nuts & preps	2,699,507	2,724,812	3,328,539	3,494,931
Brazil nuts	74,463	72,546	72,164	52,713
Cashew nuts	1,224,411	1,234,762	1,688,330	1,683,004
Chestnuts	12,997	15,362	13,139	12,897
Coconut meat	251,260	220,925	237,848	260,818
Filberts	40,039	34,799	41,382	46,484
Macadamia nuts	151,546	140,624	146,812	183,522
Pecans	390,564	484,073	634,622	673,508
Pistachio nuts	10,558	10,803	12,490	15,353
Other nuts	543,670	510,918	481,752	566,633
Vegetables & preps.	11,855,353	13,159,234	13,276,266	14,319,787
Vegetables, fresh	6,909,925	8,009,241	7,697,170	8,366,647
Tomatoes	1,953,924	2,221,251	2,074,235	2,390,223
Asparagus	551,115	609,777	696,162	623,337
Beans	104,924	121,866	116,219	142,923
Cabbage	36,798	47,584	40,713	48,182
Carrots	88,205	94,992	85,766	119,150
Cauliflower & broccoli, fresh	216,176	267,797	294,309	286,367
Celery,	26,297	26,576	35,409	30,149
Cucumbers	613,887	704,251	657,352	740,996
Eggplant	60,383	68,154	60,366	64,131
Endive	3,880	3,978	3,843	4,073
Garlic	159,990	205,429	223,076	168,871
Lettuce	245,074	276,595	280,755	275,346
Okra	25,002	25,721	29,511	40,617
Onions	402,509	469,759	412,694	440,642
Peas	74,435	74,879	73,099	87,927
Peppers	1,209,770	1,451,394	1,305,903	1,461,268
Potatoes	147,724	186,601	214,673	229,652
Radishes	21,199	21,181	23,436	34,594
Squash	326,282	383,247	324,765	365,454
Other fresh vegetables	642,349	748,209	744,882	812,744
Vegetables - prep. or pres.	2,954,567	3,030,531	3,312,916	3,438,969
Bamboo shoots, preserved	26,801	26,263	27,520	24,900
Cucumbers, preserved	57,977	57,176	58,068	64,061
Garlic, dried	65,039	75,795	123,134	62,817
Olives - prep. or pres.	411,584	415,202	424,223	452,157
Mushrooms, canned	110,220	109,120	106,593	106,676
Mushrooms, dried	34,526	28,285	28,492	32,145
Onions, preserved	44,249	48,921	52,491	54,757
Artichokes - prep.	137,560	138,255	159,760	144,780
Asparagus- prep.	14,665	20,962	19,137	16,265
Tomatoes, incl. paste & sauce	192,934	204,822	211,747	231,486
Waterchestnuts	32,831	21,440	28,136	31,627
Peppers & pimentos, prep.	103,783	110,100	98,401	112,156
Veg Starches, excluding wheat & corn	166,467	171,854	174,291	216,728
Soups & sauces	433,330	464,543	492,877	530,191
Other vegetables - prep. or pres.	1,122,601	1,137,795	1,308,048	1,358,224
Vegetables, frozen	1,728,452	1,867,943	1,999,692	2,231,334
Tomatoes	5,059	7,109	6,680	7,988
Asparagus	10,439	16,021	14,847	17,061
Beans	71,640	69,359	75,322	75,389
Carrots	4,977	7,796	10,256	9,620
Cauliflower & broccoli	342,645	356,639	356,391	399,884
Okra	15,081	16,494	12,757	15,975
Peas	41,012	40,940	39,411	44,675
Potatoes	729,827	772,025	844,413	937,204
Other frozen vegetables	507,774	581,562	639,614	723,539
Pulses	262,409	251,519	266,487	282,837
Dried peas	48,511	44,483	44,702	63,407
Dried beans	160,376	143,998	145,850	129,363
Dried lentils	28,891	28,149	33,565	36,385
Dried chickpeas	24,631	34,889	42,370	53,682
Sugar & related prods.	4,633,936	4,478,002	4,614,241	4,745,842
Sugar - cane & beet	1,756,315	1,661,245	1,692,979	1,701,961
Molasses	153,125	161,512	118,625	140,923
Confectionery prods.	1,634,391	1,727,722	1,764,908	1,893,170
Other sugar & related prods.	1,090,106	927,523	1,037,729	1,009,788
Cocoa & products	4,750,450	4,939,235	5,243,651	4,631,845
Coffee & products	6,400,269	5,934,064	6,617,123	6,087,631
Tea	734,605	750,078	718,578	704,442
Spices & herbs	1,808,641	1,859,294	1,979,282	2,045,385
Pepper	977,738	991,728	788,968	639,091
Other spices & herbs	830,902	867,566	1,190,314	1,406,294

See footnote(s) at end of table.

Table 15-5.—Foreign trade in agricultural products: Value of imports by principal groups, United States, fiscal years 2015–2018 [1]—Continued

Product	2015	2016	2017	2018
	1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Drugs, crude & natural	1,702,778	1,792,984	1,826,945	1,997,471
Essential oils	2,711,483	2,626,629	3,056,442	3,177,460
Fibers, excl. cotton	110,142	127,817	126,374	122,831
Rubber & gums	1,574,684	1,306,736	1,700,058	1,583,800
Tobacco - unmfg.	783,666	793,605	673,128	661,265
Tobacco - filler	757,951	763,423	650,975	643,260
Tobacco - scrap	16,558	10,770	8,104	7,539
Other tobacco	9,157	19,412	14,048	10,466
Beverages, ex. fruit juice	13,093,885	13,958,655	14,388,339	15,829,019
Wine	5,429,441	5,526,951	5,966,074	6,318,903
Malt beverages	4,381,477	4,831,819	4,987,989	5,371,020
Other beverages	3,282,968	3,599,885	3,434,277	4,139,095
Oilseeds & products	8,506,466	8,233,184	9,052,761	9,385,861
Oilseeds & oilnuts	1,121,474	826,295	823,360	859,615
Flaxseed	116,413	68,941	64,319	80,796
Rapeseed	256,683	186,040	239,758	260,765
Soybeans	491,670	361,252	331,920	325,692
Sunflower seeds	54,236	45,170	47,145	58,839
Other oilseeds & oilnuts	202,471	164,892	140,217	133,522
Oils & waxes - vegetable	6,092,842	6,154,530	7,075,503	7,227,920
Castor oil	87,130	69,675	80,424	94,947
Coconut oil	865,613	774,366	880,868	758,919
Cottonseed oil	6,737	2,508	30	40
Olive oil	1,181,410	1,323,409	1,387,701	1,491,461
Palm oil	841,665	828,848	1,024,315	1,105,051
Palm kernel oil	332,007	351,795	477,117	447,143
Peanut oil	17,261	29,633	37,847	33,114
Rapeseed oil	1,488,966	1,516,558	1,795,091	1,698,924
Soybean oil	97,405	99,425	118,828	120,813
Sesame oil	80,719	76,695	83,194	91,076
Other vegetable oils	1,093,930	1,081,619	1,190,088	1,386,433
Oilcake & meal	1,292,150	1,252,360	1,153,898	1,298,326
Cotton, excl. linters	5,103	11,226	3,422	2,803
Cotton, linters	489	1,868	4	1,105
Seeds - field & garden	988,007	1,003,105	1,032,643	1,075,850
Cut flowers	1,025,669	1,103,005	1,170,801	1,229,912
Nursery stock, bulbs, etc.	714,154	719,341	761,044	822,990
Other hort products	3,898,671	3,203,907	3,879,622	6,512,575
Hops, including extract	51,532	58,478	60,811	71,694
Starches, ex wheat/corn	114,381	127,563	133,901	141,391
Yeasts	299,196	300,568	306,970	340,268
Misc horticultural products	3,433,561	2,717,298	3,377,939	5,959,222

[1] Fiscal years, Oct. 1–Sept. 30.

ERS, Market and Trade Economics Division, (202) 694–5257. Compiled from reports of the U.S. Department of Commerce.

Table 15-6.—Agricultural exports: Value of U.S. exports to the top market, China, by commodity, fiscal years 2016–2018 [1]

Commodity	Value		
	2016	2017	2018
	1,000 dollars	*1,000 dollars*	*1,000 dollars*
Total agricultural exports	19,167,801	21,840,643	16,308,626
Animals and animal products	2,146,188	2,367,107	2,151,770
Animals Live, ex. Poultry	593	5,625	11,956
Cattle, live	6	97	10
Horses, live	355	55	366
Swine, Live	232	5,454	11,478
Other live animals	0	19	103
Red meat and Products	558,696	564,564	494,028
Beef and Veal	0	12,222	62,448
Beef and Veal, fresh or frozen	0	12,208	62,388
Beef, prep or pres	0	14	60
Lamb, goat, fr-ch-froz	0	3	117
Pork	310,448	239,018	219,552
Pork-fresh or frozen	308,973	238,565	218,321
Pork-prep or pres	1,475	453	1,231
Variety meats, Ed Offals	207,125	274,936	168,239
Beef variety meats	0	102	404
Pork variety meats	204,126	274,391	167,439
Other variety meats	3,000	443	395
Other meats-fr or froz	41,123	38,385	43,672
Poultry and poultry products	53,224	47,317	66,564
Poultry-Live	0	0	30
Baby chicks	0	0	0
Other live poultry	0	0	30
Poultry meats	40,054	31,218	47,164
Chickens, fresh or frozen	5,935	168	85
Turkeys, fresh or frozen	117	0	0
Other poultry, fresh or frozen	0	351	0
Poultry meats, prep or pres.	34,002	30,698	47,080
Poultry misc.	12,298	13,916	16,410
Eggs	871	2,183	2,959
Dairy prods	357,418	549,959	559,427
Evap and condensed milk	2,062	2,288	2,350
Nonfat dry milk	43,123	87,201	85,469
Butter and Milkfat	1,280	66	160
Cheese	43,081	54,911	65,186
Whey, fluid or dried	149,513	244,188	208,367
Other dairy products	118,359	161,306	197,896
Fats, oils and greases	5,159	4,147	2,011
Lard	3,780	2,858	6
Other animal fats	0	0	225
Hides and skins include furs	1,379	1,288	1,780
Bovine hides, whole	936,104	961,518	708,846
Other cattle hides, pieces	638,786	678,088	492,523
Calf skins, whole	1,590	3,572	3,139
Horse hides whole	25,742	55,546	59,389
Sheep and lamb skins	37,948	10,909	6,209
Other hides and skins, ex. furs	13,190	13,211	10,525
Furskins	164,690	155,204	131,459
Mink pelts	54,158	44,989	5,602
Other furskins	51,360	40,622	1,545
Wool and Mohair	2,799	4,366	4,057
Sausage casings	7,370	11,856	16,582
Bull semen	154,463	166,666	245,693
Misc animal products-other	22,982	13,649	17,034
Grains and feeds	50,180	41,805	29,628
Wheat, unmilled	3,021,960	2,210,285	1,626,576
Wheat flour	197,741	375,222	105,482
Other wheat products	435	893	841
Rice-paddy,milled parb	1,095	1,848	1,538
Feed grains and products	4	894	519
Feed grains	1,352,314	993,486	814,464
Corn	1,348,198	990,518	812,268
Grain sorghums	60,312	142,706	52,997
Oats	1,287,882	847,780	759,267
Rye	4	32	4
Feed grain products	4,116	2,968	2,196
Popcorn	12,338	10,215	8,597
Blended food products	451	188	42
Other grain prods	94,613	92,833	87,460
Feeds and fodders, ex. oilcakes	1,362,969	734,707	607,634
Corn by-products	263	386	391
Alfalfa meal and cubes	29,102	9,648	6,597
Citrus pulp pellet	0	5,613	9,402
Other feeds and fodder	1,333,604	719,059	591,244

See footnote(s) at end of table.

Table 15-6.—Agricultural exports: Value of U.S. exports to the top market, China, by commodity, fiscalyears 2016–2018 [1]—Continued

Commodity	Value		
	2016	2017	2018
	1,000 dollars	*1,000 dollars*	*1,000 dollars*
Fruits and prep. excluding juice	263,502	362,645	317,453
Fruits, fresh	170,767	232,121	190,401
Citrus fruits	43,088	54,811	60,888
Grapefruit	717	565	263
Lemons and limes	4,212	1,309	2,521
Oranges and tangerines	37,405	52,464	58,074
Other citrus fruits	755	473	30
Noncitrus fruits	127,678	177,310	129,513
Apple	17,014	21,329	15,617
Berries	123	484	216
Cherries	73,546	122,693	90,107
Grapes	22,301	20,683	18,309
Peaches	180	56	0
Pears	3,062	1,224	846
Plums	11,374	5,343	4,281
Other noncitrus	79	5,497	137
Fruits, dried	34,542	31,296	29,626
Raisins	25,549	19,472	17,240
Prunes	3,098	2,826	5,182
Other dried fruits	5,896	8,998	7,203
Fruits-canned, excluding juice	47,672	80,205	83,534
Fruits-frozen, excluding juice	1,717	3,310	3,262
Other fruits, prep. or pres	8,803	15,713	10,630
Fruit juices, including frozen	14,634	13,170	15,510
Apple juice	134	458	412
Grape juice	1,770	2,447	2,061
Grapefruit juice	1,360	1,385	1,942
Orange juice	1,396	1,122	1,484
Other fruit juices	9,975	7,757	9,611
Wine	72,639	72,148	72,261
Nuts and prep	238,817	206,904	320,231
Almonds	80,354	67,086	124,101
Filberts	752	290	2,144
Peanuts, shelled or prep	45,714	24,959	28,436
Pistachios	26,276	39,089	48,521
Walnuts	41,659	28,161	37,779
Pecans	15,983	22,072	37,210
Other nuts	28,080	25,248	42,040
Vegetables and prep	199,498	161,022	148,780
Vegetables, fresh	2,771	1,391	1,122
Asparagus	0	0	13
Carrots	94	8	110
Celery	14	0	12
Cauliflower	4	0	8
Corn, sweet	122	75	25
Garlic	179	143	0
Mushrooms	0	0	248
Onion and Shallots	27	0	40
Peppers	182	110	5
Potatoes	304	381	413
Tomatoes	719	576	3
Other fresh vegetables	1,125	97	245
Vegetables, frozen	140,838	105,507	109,983
Corn, sweet	11,151	14,108	14,859
Potatoes	128,013	88,703	92,178
Other frozen vegetables	1,675	2,697	2,946
Vegetables, canned	2,066	7,232	8,104
Pulses	29,249	26,632	12,259
Dried beans	428	936	306
Dried peas	28,166	24,626	8,590
Dried lentils	470	983	2,936
Dried chick peas	184	88	427
Other vegetables, prep or pres	24,573	20,260	17,312

See footnote(s) at end of table.

Table 15-6.—Agricultural exports: Value of U.S. exports to the top market, China, by commodity, fiscal years 2016–2018 [1]—Continued

Commodity	Value		
	2016	2017	2018
	1,000 dollars	*1,000 dollars*	*1,000 dollars*
Oilseeds and products	12,092,948	14,778,174	9,783,840
Oilcake and meal	6,507	7,183	14,202
Corn oilcake and meal	66	0	0
Soybean meal	6,429	7,125	14,182
Other oilcake and meal	12	58	20
Oilseeds	11,993,978	14,628,073	9,727,351
Rapeseed	0	0	0
Soybeans	11,859,385	14,572,852	9,666,875
Sunflowerseeds	100	74	364
Peanuts, including oilstock	112,473	32,061	31,001
Other oilseeds	2,315	6,571	597
Protein substances	19,705	16,516	28,513
Vegetable oils	92,463	142,918	42,287
Soybean oil	43,846	97,405	1,551
Sunflower oil	326	273	40
Corn oil	67	152	135
Peanut oil	1,918	1,655	1,760
Rapeseed oil	277	221	222
Safflower oil	125	226	104
Other Vegetable oils and Waxes	45,905	42,985	38,475
Tobacco-unmanufactured	177,116	162,300	157,940
Tobacco-light air cured	1,653	0	1,240
Tobacco-flue cured	175,463	158,362	156,699
Other tobacco-unmanufactured	0	3,938	0
Cotton, excluding linters	395,420	949,643	1,022,306
Cotton linters	2,775	4,447	5,449
Essential oils	118,951	112,108	141,432
Seeds-field and garden	98,599	117,954	152,912
Sugar and tropical products	84,075	78,339	97,346
Sugar and related products	21,907	18,077	22,412
Sugar, cane or beet	279	231	471
Related sugar product	21,629	17,846	21,942
Coffee	13,469	18,449	22,521
Cocoa	10,481	4,585	3,916
Chocolate and prep	20,208	22,631	28,321
Tea, including herbal	15,238	11,217	16,708
Spices	1,603	2,260	1,781
Rubber, crude	1,084	1,056	1,637
Fibers, excluding cotton	85	63	50
Other hort products	216,279	223,061	275,544
Hops, including extract	12,882	16,587	23,982
Starches, not wheat/corn	873	1,055	2,952
Yeasts	4,077	2,018	2,826
Misc hort products	198,447	203,401	245,784
Nursery and greenhouse	5,639	3,675	4,693
Beverages, excluding juice	18,761	17,661	14,582

[1] Fiscal years Oct. 1–Sept. 30.
ERS, Market and Trade Economics Division, (202) 694–5257.

Table 15-7.—Agricultural imports for consumption: Value of Top 50 countries of origin, United States, fiscal years 2016–2018 [1]

Country	2016	2017	2018
	1,000 dollars	*1,000 dollars*	*1,000 dollars*
Mexico	22,507,052	24,070,899	25,660,218
Canada	21,428,073	21,959,547	22,963,900
Italy(*)	4,184,598	4,369,119	4,799,949
China	4,257,978	4,474,208	4,775,068
France(*)	2,879,166	3,241,278	3,712,002
Indonesia	2,802,724	3,589,981	3,480,756
Ireland	2,881,403	2,848,241	3,416,320
Brazil	3,301,510	3,320,331	3,381,548
Australia(*)	3,366,933	3,094,071	3,260,749
Chile	3,021,732	2,989,712	3,040,086
India	2,096,348	2,526,155	2,662,081
Thailand	2,296,796	2,387,373	2,637,933
New Zealand(*)	2,574,269	2,585,326	2,586,472
Colombia	2,292,031	2,590,745	2,570,422
Vietnam	1,996,053	2,400,073	2,382,638
Netherlands	2,102,449	2,132,445	2,228,608
Singapore	80,837	81,690	2,182,725
Peru	1,742,122	1,976,525	2,169,255
Guatemala	1,877,156	2,097,145	2,132,213
Spain	1,950,626	2,017,853	2,083,081
Germany(*)	1,804,328	2,028,932	2,075,454
Costa Rica	1,595,778	1,606,142	1,638,753
Argentina	1,418,259	1,366,531	1,415,170
Switzerland(*)	1,333,230	1,269,548	1,318,596
Philippines	1,085,227	1,260,628	1,164,884
Austria	808,580	896,769	1,115,688
Ecuador	1,200,528	1,055,404	1,035,331
Malaysia	1,063,682	964,603	998,768
Turkey	982,589	887,737	987,013
Belgium-Luxembourg(*)	841,688	808,025	955,216
Cote d'Ivoire	1,005,375	1,185,412	852,707
United Kingdom	805,608	776,585	842,192
Denmark(*)	693,760	720,051	790,362
Honduras	746,226	817,919	737,542
Japan	615,423	650,940	698,392
Nicaragua	564,742	630,915	661,697
Korea, South	499,261	542,434	606,403
Poland	393,638	482,413	552,975
Madagascar	178,647	384,417	524,555
Dominican Republic	401,872	405,297	514,531
Greece	355,386	355,801	388,957
Taiwan	324,014	360,048	388,840
Israel(*)	368,921	370,139	383,491
South Africa	280,970	283,638	341,691
Uruguay	313,078	339,533	302,718
El Salvador	225,131	225,370	218,801
Tunisia	124,611	86,298	204,388
Ghana	252,863	290,296	201,474
Sri Lanka	160,550	190,158	198,710
Morocco	178,058	156,091	193,006
Other countries	2,766,351	2,936,665	3,120,740
Total U.S. Agricultural Imports [2]	113,028,230	119,087,456	127,555,069

[1] Fiscal years Oct. 1–Sept. 30. [2] Totals may not add due to rounding.

ERS, Market and Trade Economics Division, (202) 694–5257. Compiled from reports of the U.S. Department of Commerce.

Table 15-8.—European Union: Value of agricultural imports by origin, 2009–2018

Year [1]	United States	EU countries	Other countries	Total
	Million dollars	*Million dollars*	*Million dollars*	*Million dollars*
2009	7,958	347,713	79,125	434,796
2010	9,624	358,344	86,185	454,153
2011	11,072	413,173	105,609	529,854
2012	11,090	402,145	102,541	515,776
2013	12,568	432,943	103,991	549,502
2014	13,275	435,094	106,198	554,567
2015	12,768	378,749	96,513	488,031
2016	11,963	386,941	94,400	493,304
2017	11,985	419,700	101,210	532,895
2018	14,188	440,974	101,866	557,027

[1] Data on calendar year basis. Users should use cautious interpretation on reports that include summarized reporter groupings. These groupings will only include the members that have reported data for any particular year.

ERS, Market and Trade Economics Division, (202) 694–5257. Data Source: United National Commodity Trade Statistics, United Nations Statistics Division.

Table 15-9.—Fisheries: U.S. Commercial landings and value of principal species: 2016 and 2017 [1]

Species	Landings	
	2016	2017
	Thousand pounds	*Thousand pounds*
Fish:		
Cod, Atlantic	3,221	1,857
Flounder	565,447	544,866
Haddock	12,101	13,315
Halibut	25,166	26,466
Herring, sea	179,920	187,920
Jack mackerel	799	1,043
Menhaden	1,727,502	1,413,104
Ocean perch, Atlantic	8,573	11,387
Pollock	3,360,760	3,395,783
Salmon, Pacific	561,036	1,008,198
Tuna	55,973	54,904
Whiting (silver hake)	13,929	11,800
Shellfish:		
Clams (meats)	88,886	84,883
Crabs	317,348	274,578
Lobsters, American	158,561	132,973
Oysters (meats)	33,295	31,805
Scallops (meats)	40,611	51,733
Shrimp	270,787	283,272
	Value	
	Thousand dollars	*Thousand dollars*
Fish:		
Cod, Atlantic	6,140	4,444
Flounder	141,391	141,228
Haddock	13,315	11,947
Halibut	127,008	125,785
Herring, sea	35,203	36,396
Jack mackerel	63	49
Menhaden	179,791	125,495
Ocean perch, Atlantic	5,134	6,307
Pollock	423,575	419,425
Salmon, Pacific	420,233	687,770
Tuna	157,477	154,392
Whiting (silver hake)	10,615	9,009
Shellfish:		
Clams (meats)	234,856	210,755
Crabs	610,377	610,3377
Lobsters, American	666,679	552,057
Oysters (meats)	217,170	236,418
Scallops (meats)	488,051	511,945
Shrimp	483,430	530,977

[1] Landings are reported in round (live) weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell). Landings for Mississippi River drainage are not available.

Totals may not add due to rounding. Data do not include landings by U.S.-flag vessels at Puerto Rico or other ports outside the 50 States. Data do not include aquaculture products, except oysters and clams.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427–8103.

Table 15-10.—Fresh and frozen fishery products: Production and value, 2016 and 2017

Product	Production	
	2016	2017
	Thousand pounds	*Thousand pounds*
Fish fillets	778,443	793,366
Cod	75,787	72,217
Flounder	10,577	11,848
Haddock	9,457	11,197
Ocean perch, Atlantic	995	1,156
Rockfish	2,361	2,869
Pollock, Atlantic	949	9,927
Pollock, Alaska	472,983	454,977
Other	205,334	229,175
	Value	
	Thousand dollars	*Thousand dollars*
Fish fillets	2,102,297	2,130,399
Cod	320,509	315,313
Flounder	45,140	49,625
Haddock	48,898	52,512
Ocean perch, Atlantic	3,025	3,470
Rockfish	7,309	8,556
Pollock, Atlantic	3,563	15,868
Pollock, Alaska	655,506	581,570
Other	1,018,347	1,103,485

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427–8103.

Table 15-11.—Canned fishery products: Production and value, 2016 and 2017

Product	Production	
	2016	2017
	Thousand pounds	*Thousand pounds*
Tuna [1]	382,866	363,193
Salmon	52,030	133,878
Clam products [2]	117,536	63,191
Sardines, Maine	(4)	(4)
Shrimp [3]	(4)	(4)
Crabs	180	152
Oysters	(4)	(4)
Total [5]	868,575	881,939
	Value	
	Thousand dollars	*Thousand dollars*
Tuna [1]	699,432	735,513
Salmon	141,866	309,592
Clam products [2]	145,305	106,076
Sardines, Maine	(4)	(4)
Shrimp [4]	(4)	(4)
Crabs	689	598
Oysters	(4)	(4)
Total [5]	1,238,686	1,395,181

[1] Flakes included with chunk. [2] "Cut out" or "drained" weight of can contents are given for whole or minced clams, and net contents for other clam products. [3] Drained weight. [4] Confidential data. [5] Includes other products not shown separately.

U.S. Dept. of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427–8103.

Table 15-12.—Fisheries: Fishermen and craft, 1977, and catch, 2016–2017 by area

Area	1977[1]			2016[3]		2017[3]	
	Fishermen	Fishing vessels	Fishing boats[2]	Total catch	Value	Total catch	Value
	1,000	*Number*	*1,000*	*Million pounds*	*Million dollars*	*Million pounds*	*Million dollars*
New England States	31.7	929	15.4	595	1,328	556	1,266
Middle Atlantic States	17.3	573	11.3	577	549	620	508
South Atlantic States	11.6	1,463	6.7	110	201	122	223
Gulf States	29.3	5,328	11.0	1,716	857	1,386	856
Pacific Coast States	54.0	7,643	15.4	6,524	2,240	7,182	2,435
Great Lakes States	1.2	217	0.5	15	19	13	17
Hawaii	2.7	101	1.3	35	118	37	116
United States	182.1	17,545	89.2	9,572	5,312	9,916	5,421

[1] Exclusive of duplication among regions. Computation of area amounts will not equal U.S. total. Mississippi River data included with total. [2] Refers to craft having capacity of less than 5 net tons. [3] Great Lakes data are one year behind the heading years. Note: Table may not add due to rounding.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427–8103.

Table 15-13.—Fisheries: U.S. Commercial landings of fish and shellfish, 2008–2017

Year	For human food		For industrial purposes[2]		Total	
	Quantity	Value	Quantity	Value	Quantity	Value
	Million pounds	*Million dollars*	*Million pounds*	*Million dollars*	*Million pounds*	*Million dollars*
2008	6,633	4,231	1,692	152	8,325	4,383
2009	6,198	3,733	1,833	158	8,031	3,891
2010	6,526	4,356	1,705	164	8,231	4,520
2011	7,909	5,108	1,949	181	9,858	5,289
2012	7,477	4,923	2,157	180	9,634	5,103
2013	8,043	5,268	1,827	198	9,870	5,466
2014	7,828	5,256	1,658	192	9,486	5,448
2015	7,750	4,972	1,968	231	9,718	5,203
2016	7,484	5,007	2,088	305	9,572	5,312
2017	8,228	5,187	1,688	234	9,916	5,421

[1] Live weight. [2] Meals, oil, fish solubles, homogenized condensed fish, shell products, bait, and animal food.

U.S. Department of Commerce, NOAA, NMFS Fisheries Statistics Division, (301) 427–8103.

Table 15-14.—Fisheries: Disposition of domestic catch, 2016–2017[1]

Disposition	2016	2017
	Million pounds	*Million pounds*
Fresh and frozen	7,509	8,091
Canned	186	289
Cured	57	136
Reduced to meal, oil, etc	1,820	1,400
Total	9,572	9,916

[1] Live weight catch. In addition to whole fish, a large portion of waste derived from canning, filleting, and dressing fish and shellfish is utilized in production of fish meal and oil in each year shown.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427–8103.

Table 15-15.—Fishery products: Supply,[1] 2016–2017[2]

Item	2016	2017
	Million pounds	
For human food	18,780	19,805
Finfish	13,746	14,422
Shellfish[3]	5,034	5,383
For industrial use	2,763	2,461
Domestic catch	9,572	9,916
Percent of total	45	45
For human food	7,484	8,228
Finfish	6,392	7,121
Shellfish[3]	1,092	1,107
For industrial use	2,088	1,688
Imports[4]	11,970	12,350
Percent of total	56	55
For human food	11,295	11,577
Finfish	7,353	7,301
Shellfish[3]	3,942	4,276
For industrial use[5]	675	773
Total	21,542	22,266

[1] Supply totals are the domestic catch and imports without accounting for exports taken out. [2] Live weight, except percent. May not add due to rounding. [3] For univalve and bivalves mollusks (conchs, clams, oysters, scallops, etc.), the weight of meats, excluding the shell is reported. [4] Excluding imports of edible fishery products consumed in Puerto Rico; includes landings of tuna caught by foreign vessels in American Samoa. [5] Fish meal and sea herring.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427–8103.

Table 15-16.—Processed fishery products: Production and value, 2016–2017[1]

Item	Production		Value	
	2016	2017	2016	2017
	Thousand pounds	*Thousand pounds*	*Thousand dollars*	*Thousand dollars*
Fresh and frozen:.				
Fillets	778,443	793,366	2,102,297	2,130,399
Steaks	5,768	5,221	29,837	30,337
Fish sticks	55,398	54,698	84,420	83,417
Fish portions	103,433	99,191	180,072	173,883
Breaded shrimp	106,003	84,235	379,862	342,183
Canned products[2]	868,575	881,939	1,238,686	1,395,181
Fish and shellfish	576,283	589,361	1,018,655	1,174,658
Animal feed	292,292	292,308	220,031	220,523
Industrial products	(X)	(X)	565,973	675,993
Meal and scrap	559,859	568,736	308,442	379,498
Marine animal oil	177,459	112,236	70,838	108,151
Other	(X)	(X)	186,693	188,344

(X) Not applicable. [1] Includes cured fish. [2] Includes salmon eggs for baits.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427–8103.

Table 15-17.—Selected fishery products: Imports and exports, 2016–2017 [1]

Product	Quantity	
	2016	2017
	Thousand pounds	*Thousand pounds*
Imports		
Edible	5,827,097	5,919,919
Fresh and frozen	4,940,564	5,001,922
Salmon [2]	283,985	299,246
Tuna [2]	304,452	257,986
Groundfish fillets, blocks [3]	298,966	300,639
Other fillets and steaks	1,315,789	1,413,517
Scallops (meats)	49,432	39,438
Lobster, American and spiny	113,170	111,572
Shrimp and prawn	1,327,392	1,460,509
Canned	688,736	723,838
Sardines, in oil	42,577	34,786
Sardines and herring, not in oil	43,695	43,762
Tuna	292,322	311,925
Oysters	11,617	12,164
Pickled or salted	61,671	63,082
Cod, haddock, hake, pollock, cusk	12,756	12,875
Nonedible scrap and meal	120,517	138,056
Exports		
Canned salmon	82,088	63,370
Fish oil, nonedible	166,636	139,033

Product	Value	
	2016	2017
	Thousand dollars	*Thousand dollars*
Imports		
Edible	19,485,828	21,520,241
Fresh and frozen	17,277,356	18,959,830
Salmon [2]	971,272	1,072,389
Tuna	652,381	653,317
Groundfish fillets, blocks [3]	720,659	808,018
Other fillets and steaks	4,747,576	5,262,318
Scallops (meats)	322,837	258,427
Lobster, American and spiny	1,024,732	1,039,593
Shrimp and prawn	5,673,502	6,510,158
Canned	1,627,093	1,962,259
Sardines, in oil	79,040	84,788
Sardines and herring, not in oil	61,283	63,318
Tuna	524,373	632,650
Oysters	32,729	34,211
Pickled or salted	104,277	110,103
Cod, haddock, hake, pollock, cusk	33,590	35,460
Nonedible scrap and meal	103,115	111,845
Exports		
Canned salmon	178,028	159,703
Fish oil, nonedible	176,944	146,347

[1] Includes Puerto Rico. [2] Excludes fillets. [3] Includes cod, cusk, haddock, hake, pollock, ocean perch, and whiting.
U.S. Dept. of Commerce, NOAA, NMFS, Fisheries Statistics Division (301) 427–8103.

Table 15-18.—Fishery products: Imports and exports, 2008–2017 [1]

Year	Imports [2]				Exports			
	Total value	Edible products		Non-edible, value	Total value	Edible products		Non-edible, value
		Quantity	Value			Quantity	Value	
	Million dollars	*Million pounds*	*Million* dollars	*Million* dollars	*Million* dollars	*Million pounds*	*Million* dollars	*Million* dollars
2008	28,457	5,226	14,171	14,286	23,367	2,650	4,257	19,110
2009	23,554	5,161	13,124	10,430	19,636	2,546	3,980	15,656
2010	27,352	5,447	14,811	12,542	22,386	2,733	4,389	17,997
2011	30,943	5,349	16,618	14,326	26,218	3,267	5,447	20,771
2012	31,107	5,384	16,690	14,417	27,384	3,254	5,470	21,914
2013	33,156	5,415	18,006	15,150	29,113	3,324	5,584	23,529
2014	35,915	5,567	20,264	15,650	29,978	3,402	5,754	24,225
2015	34,400	5,736	18,791	15,609	28,396	3,141	5,567	22,829
2016	35,875	5,827	19,486	16,389	27,989	2,931	5,384	22,605
2017	38,383	5,920	21,520	16,863	28,973	3,201	5,730	23,243

[1] Includes Puerto Rico. [2] Includes landings of tuna by foreign vessels in American Samoa.
U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427–8103.

Table 15-19.—Fish trips: Estimated number of fishing trips taken by marine recreational fishermen by subregion and year, Atlantic, Gulf, and Pacific Coasts, 2016–2017

Subregion	2016	2017
	Thousands	*Thousands*
Atlantic and Gulf:		
North Atlantic	6,052	4,992
Mid-Atlantic	14,001	11,276
South Atlantic [1]	16,842	15,009
Gulf	20,726	18,782
Total	57,621	50,059
Pacific: [2]		
Southern California	2,380	2,406
Northern California	1,166	1,101
Oregon	179	187
Washington	137	146
Hawaii	1,025	1,280
Alaska	514	545
Total	5,401	5,665

[1] Does not include trips from headboats (party boats) in the South Atlantic or Gulf of Mexico. [2] Pacific state estimates do not include salmon data collected by recreational surveys.
Note: Recreational estimates have been revised back through 1981 (as of November 2019). Any data previously provided (for past reports) are no longer appropriate or valid.
U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427–8103.

Table 15-20.—Fish harvested [1] by marine recreational anglers by subregion, area, and mode, Atlantic, Gulf Coasts, and Pacific Coasts, 2016–2017

Subregion	2016	2017
	Thousands	*Thousands*
Atlantic and Gulf [2]:		
North Atlantic	12,571	12,947
Mid-Atlantic	20,707	22,425
South Atlantic [2]	31,639	22,792
Gulf	67,953	54,271
Total	132,870	112,435
Pacific: [3]		
Southern California	3,831	4,490
Northern California	3,044	3,154
Oregon	563	646
Washington	501	421
Hawaii	2,460	3,012
Alaska	1,371	1,395
Total	11,770	13,118

Area	2016	2017
	Thousands	*Thousands*
Atlantic and Gulf: [2]		
Inland	69,116	57,216
State Territorial Sea [4]	41,306	31,218
Federal Exclusive Economic Zone [5]	14,597	15,396
Total	132,870	112,435
Pacific: [3]		
Inland	1,709	1,851
State Territorial Sea [4]	7,274	8,414
Federal Exclusive Economic Zone [5]	1,416	1,458
Total	10,399	11,723

Mode	2016	2017
	Thousands	*Thousands*
Atlantic and Gulf: [2]		
Shore	41,572	32,622
Party/charter	10,385	12,283
Private/rental	80,913	67,530
Total	132,870	112,435
Pacific: [3]		
Shore	4,497	5,678
Party/charter	3,390	3,451
Private/rental	2,512	2,594
Total	10,399	11,723

[1] "Harvested" includes dead discards and fish used for bait but does not include fish released alive; totals may not match due to rounding. [2] Does not include trips from headboats (party boats) in the South Atlantic or Gulf of Mexico. [3] Does not include recreational catch from Alaska. Pacific state estimates do not include salmon data collected by recreational surveys. [4] Open Ocean extending 0 to 3 miles from shore, except West Florida (10 miles). [5] Open ocean extending to 200 miles offshore from the outer edge of the State Territorial Seas.

Note: Recreational estimates have been revised back through 1981 (as of November 2019). Any data previously provided (for past reports) are no longer appropriate or valid.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427–8103.

Table 15-21.—Fish harvested [1] by marine recreational anglers by species group and year, Atlantic and Gulf coasts, 2016–2017 [2]

Species group	2016	2017
	Thousands	*Thousands*
Atlantic Cod	190	28
Atlantic Croaker	5,418	4,642
Atlantic Mackerel	5,767	5,557
Black Drum	661	429
Black Sea Bass	2,986	2,773
Blue Runner	2,481	1,591
Conger Eels	-	5
Crevalle Jack	950	355
Cunner	37	24
Epinephelus Groupers	247	137
Florida Pompano	477	456
Freshwater Catfishes	453	510
Gray Snapper	2,302	1,842
Greater Amberjack	134	81
Gulf Flounder	237	160
King Mackerel	568	534
Kingfishes	5,203	4,125
Lane Snapper	336	675
Little Tunny/Atlantic Bonito	399	371
Moray Eels	1	-
Mycteroperca Groupers	138	154
Pigfish	662	282
Pinfishes	3,659	3,128
Pollock	211	250
Red Drum	1,574	1,022
Red Hake	101	91
Red Porgy	423	387
Red Snapper	859	1,215
Saltwater Catfishes	448	222
Sand Seatrout	2,804	2,345
Scup	3,836	5,500
Sheepshead	1,492	2,308
Silver Perch	192	296
Skates/Rays	104	66
Southern Flounder	600	311
Spanish Mackerel	2,944	2,442
Spot	2,814	6,715
Spotted Seatrout	5,762	3,146
Striped Bass	1,531	1,132
Striped Mullet	2,364	1,775
Summer Flounder	2,029	1,041
Tautog	682	501
Vermilion Snapper	901	1,193
Weakfish	89	87
White Grunt	1,528	1,851
White Perch	2,472	2,313
Winter Flounder	87	111
Yellowtail Snapper	733	760
Other Barracudas	68	81
Other Bluefish	4,564	3,100
Other Cods/Hakes	639	570
Other Dolphins	843	994
Other Drum	308	205
Other Eels	63	8
Other Flounders	130	256
Other Grunts	508	676
Other Herrings	32,902	22,012
Other Jacks	2,168	1,156
Other Mullets	6,221	4,112
Other Porgies	448	312
Other Puffers	355	170
Other Sculpins	1	1
Other Sea Basses	252	174
Other Searobins	225	223
Other Sharks	157	133
Other Snappers	241	150
Other Toadfishes	7	31
Other Triggerfishes/Filefishes	355	279
Other Tunas/Mackerels	605	532
Other Wrasses	234	69
Other fishes	11,690	12,252
Total [3]	132,870	112,435

- Represents zero. [1] "Harvested" includes dead discards and fish used for bait but does not include fish released alive. [2] Data do not include headboats (party boats) in the South Atlantic and the Gulf of Mexico. [3] Totals may not add due to rounding.

Note: Recreational estimates have been revised back through 1981 (as of November 2019). Any data previously provided (for past reports) are no longer appropriate or valid.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division (301) 427–8103.

Table 15-22.—Fish harvested [1] by marine recreational anglers by species group and year, Pacific coast, 2016–2017 [2]

Species group	2016	2017
	Thousands	*Thousands*
Albacore	2	1
Barred Sand Bass	20	42
Barred Surfperch	461	451
Bigeye Scad	542	1,064
Bigscale Soldierfish	50	74
Black Perch	16	21
Black Rockfish	893	697
Blackspot Sergeant	16	11
Blacktail Snapper	15	9
Blue Rockfish	366	480
Bluefin Trevally	74	77
Bluestripe Snapper	52	79
Bocaccio	81	140
Brown Rockfish	136	121
Cabezon	33	26
California Corbina	19	16
California Halibut	18	36
California Sheephead	31	39
Canary Rockfish	59	144
Chilipepper Rockfish	22	13
Chub Mackerel	1,009	1,419
Conger Eels	-	1
Convict Tang	123	58
Copper Rockfish	188	240
Giant Trevally	21	11
Goldring Surgeonfish	58	78
Gopher Rockfish	154	116
Greater Amberjack	1	4
Green Jobfish	9	19
Greenspotted Rockfish	29	37
Halfmoon	28	14
Hawaiian Flagtail	125	94
Hawaiian Hogfish	4	8
Highfin Rudderfish	5	2
Island Jack	15	19
Jacksmelt	382	512
Kawakawa	9	8
Kelp Bass	126	100
Kelp Greenling	22	23
Lingcod	357	310
Mackerel Scad	147	108
Manybar Goatfish	15	14
Moray Eels	5	5
Northern Anchovy	47	215
Olive Rockfish	113	61
Opaleye	23	43
Pacific Barracuda	13	10
Pacific Bonito	103	98
Pacific Cod	44	20
Pacific Herring	316	67
Pile Perch	3	10
Pink Snapper	17	10
Queenfish	10	17
Quillback Rockfish	14	18
Razorfishes	33	44
Redtail Surfperch	89	148
Sanddabs	263	264
Shiner Perch	38	15
Silver Surfperch	55	57
Skates/Rays	4	9
Skipjack Tuna	88	114
Smallmouth Bonefish	26	19
Spotted Sand Bass	11	3
Starry Flounder	-	1
Striped Bass	27	28
Striped Mullet	5	14

See footnote(s) at end of table.

Table 15-22.—Fish harvested [1] by marine recreational anglers by species group and year, Pacific coast, 2016–2017 [2]—Continued

Species group	2016	2017
	Thousands	*Thousands*
Striped Seaperch	41	36
Unicornfishes	9	3
Wahoo	44	32
Walleye Surfperch	49	56
White Croaker	41	59
White Seaperch	5	6
Whitesaddle Goatfish	2	2
Widow Rockfish	5	15
Yellowfin Tuna	86	82
Yellowstripe Goatfish	205	380
Yellowtail	76	63
Yellowtail Rockfish	116	173
Other Barracudas	2	2
Other Damselfishes	16	10
Other Dolphins	44	47
Other Drum	77	59
Other Flounders	431	385
Other Goatfishes	21	25
Other Groupers	9	3
Other Herrings	86	156
Other Jacks	55	46
Other Mullets	24	21
Other Rockfishes	1,472	1,451
Other Sablefishes	15	23
Other Scorpionfishes	149	183
Other Sculpins	2	2
Other Sea Basses	1	-
Other Sea Chubs	12	26
Other Sharks	11	8
Other Silversides	103	69
Other Smelts	39	9
Other Snappers	25	9
Other Soldierfishes	9	3
Other Surfperches	62	70
Other Surgeonfishes	41	27
Other Tunas/Mackerels	94	47
Other Wrasses	22	26
Other fishes	1,193	1,478
Total [3]	11,770	13,118

- Represents zero. [1] "Harvested" includes dead discards and fish used for bait but does not include fish released alive. [2] Pacific estimates do not include salmon data collected by state recreational surveys. [3] Totals may not add exactly due to rounding.

Note: Recreational estimates have been revised back through 1981 (as of November 2019). Any data previously provided (for past reports) are no longer appropriate or valid.

U.S. Department of Commerce, NOAA, NMFS, Fisheries Statistics Division, (301) 427–8103.

Table 15-23.—Catfish water surface acres used for production and total sales - States and United States: 2017–2019

State	Acres intended for utilization during January 1-June 30					Acres taken out of production during Jul 1-Dec 31 prev. year
	Foodsize	Fingerlings	Broodfish	Currently under or scheduled for:		
				Renovation	New construction	
	Acres	*Acres*	*Acres*	*Acres*	*Acres*	*Acres*
2018						
Alabama	16,000	290	60	570	170	270
Arkansas	3,000	1,300	195	390	(D)	(D)
California	1,000	150	70	95	(D)	25
Mississippi	27,000	5,900	1,400	2,100	100	45
North Carolina	1,000	60	(D)	100	(D)	(D)
Texas	1,600	40	40	240	(D)	350
Other States [1]	960	660	175	120	120	200
United States	50,560	8,400	1,940	3,615	390	890
2019						
Alabama	16,500	110	(D)	300	(D)	350
Arkansas	3,000	910	235	440	(D)	550
California	910	(D)	35	90	-	(D)
Mississippi	27,100	4,900	1,300	(D)	660	540
North Carolina	1,200	(D)	(D)	(D)	-	(D)
Texas	1,700	55	50	80	(D)	195
Other States [1]	1,220	1,010	210	4,575	120	255
United States	51,630	6,985	1,830	5,485	780	1,890

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. [1] Other States include State estimates not shown and States suppressed due to disclosure.
NASS, Livestock Branch, (202) 720–3570.

Table 15-24.—Catfish water surface acres used for production total sales - States and United States: 2017–2019

State	Water surface acres used for production during Jan 1 - July 30		Total sales	
	2018	2019	2017	2018
	Acres	*Acres*	*1,000 dollars*	*1,000 dollars*
Alabama	16,600	16,800	114,596	91,128
Arkansas	4,800	4,300	20,607	21,624
California	1,300	1,100	5,051	9,109
Mississippi	36,200	35,700	214,596	207,543
North Carolina	1,100	1,300	3,126	2,932
Texas	1,700	1,900	15,636	20,889
Other States [1]	2,060	2,220	6,101	7,176
United States	63,760	63,320	379,713	360,401

[1] Other States include State estimates not shown and States suppressed due to disclosure.
NASS, Livestock Branch, (202) 720–3570.

Table 15-25.—Catfish: Sales by size category, by State and United States, 2017–2018

Size category and State	Number of fish		Live weight		Sales			
	2017	2018	2017	2018	Total		Average price per pound	
					2017	2018	2017	2018
	1,000	*1,000*	*1,000 pounds*	*1,000 pounds*	*1,000 dollars*	*1,000 dollars*	*Dollars*	*Dollars*
Foodsize:								
Alabama	66,300	63,600	112,900	104,600	114,029	91,002	1.01	0.87
Arkansas	11,100	10,900	16,800	18,300	18,144	18,666	1.08	1.02
California	910	1,600	1,580	2,850	4,945	9,063	3.13	3.18
Mississippi	112,000	121,000	180,500	192,000	196,745	188,160	1.09	0.98
North Carolina	1,380	1,400	2,600	2,500	3,068	2,900	1.18	1.16
Texas	6,740	8,520	14,000	20,200	15,540	20,806	1.11	1.03
Other States [1]	1,400	1,780	2,048	3,151	2,961	4,409	1.45	1.40
United States	199,830	208,800	330,428	343,601	355,432	335,006	1.08	0.97
Stockers:								
Alabama	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Arkansas	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
California	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mississippi	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
North Carolina	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Texas	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other States [1]	24,960	65,465	2,856	6,553	4,501	7,727	1.58	1.18
United States	24,960	65,465	2,856	6,553	4,501	7,727	1.58	1.18
Fingerlings and fry:								
Alabama	390	(D)	9	(D)	82	(D)	9.15	(D)
Arkansas	(D)	12,400	(D)	472	(D)	939	(D)	1.99
California	220	190	5	5	56	42	11.20	8.30
Mississippi	162,000	168,000	6,900	5,950	15,456	14,340	2.24	2.41
North Carolina	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Texas	470	(D)	21	(D)	59	(D)	2.81	(D)
Other States [1]	31,875	54,685	1,138	315	3,064	956	2.69	3.03
United States	194,955	235,275	8,073	6,742	18,717	16,277	2.32	2.41
Broodfish:								
Alabama	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Arkansas	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
California	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mississippi	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
North Carolina	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Texas	(D)	-	(D)	-	(D)	-	(D)	-
Other States [1]	210	410	884	1,708	1,063	1,391	1.20	0.81
United States	210	410	884	1,708	1,063	1,391	1.20	0.81

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. [1] Other States include State estimates not shown and States suppressed due to disclosure.

NASS, Livestock Branch, (202) 720–0585.

Table 15-26.—Trout: Value of fish sold and distributed, by State (excluding eggs), and United States (including and excluding eggs), 2017–2018

State	Total value of fish sold		Total value of distributed fish	
	2017	2018	2017	2018
	1,000 dollars	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
Arkansas	-	-	2,654	3,479
California	3,854	(D)	11,478	8,278
Colorado	3,706	2,978	7,164	6,427
Georgia	(D)	(D)	1,231	1,213
Idaho	50,418	40,290	11,496	(D)
Michigan	1,492	1,511	4,667	2,565
Missouri	2,819	(D)	3,173	4,252
New York	569	732	3,310	5,901
North Carolina	9,111	8,790	2,243	1,973
Oregon	(D)	(D)	8,642	(D)
Pennsylvania	6,276	6,444	9,192	14,823
Utah	694	443	6,976	7,984
Virginia	1,747	1,733	1,916	1,983
Washington	(D)	(D)	19,603	(D)
West Virginia	1,066	1,005	2,580	2,663
Wisconsin	1,694	1,468	2,196	1,514
Other States [1]	28,012	34,575	34,155	65,939
United States				
Value excluding eggs	111,458	99,969	132,676	128,994
Value including eggs	120,302	110,554	(NA)	(NA)

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. (NA) Not available. [1] Other States include State estimates not listed and States supressed due to disclosure.
NASS, Livestock Branch, (202) 720–3570.

Table 15-27.—Trout: Egg Sales, United States, 2014–2018

Year	Number of Eggs	Average Price per 1,000 Eggs	Total Sales [1]
	1,000	*Dollars*	*1,000 dollars*
2014	427,125	20.50	8,774
2015	431,475	20.20	8,706
2016	422,904	21.10	8,921
2017	442,145	21.00	8,844
2018	461,947	22.90	10,585

[1] Due to rounding, total number of eggs multiplied by average price per 1,000 eggs may not exactly equal total sales.
NASS, Livestock Branch, (202) 720-3570.

Table 15-28.—Trout: Sales by size category, States and United States, 2017 and 2018

Size category and State	Number of fish		Live weight		Sales			
	2017	2018	Total [1]		Total [2]		Average price per pound	
			2017	2018	2017	2018	2017	2018
	1,000	*1,000*	*1,000 pounds*	*1,000 pounds*	*1,000 dollars*	*1,000 dollars*	*Dollars*	*Dollars*
12 inch or longer:								
Arkansas	-	-	-	-	-	-	-	-
California	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Colorado	640	430	634	591	3,455	2,695	5.45	4.56
Georgia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	27,700	22,200	33,600	27,000	50,400	39,960	1.50	1.48
Michigan	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Missouri	570	(D)	664	(D)	1,740	(D)	2.62	(D)
New York	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
North Carolina	3,500	3,640	4,150	4,000	7,885	7,600	1.90	1.90
Oregon	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pennsylvania	970	1,210	1,070	1,200	4,879	5,136	4.56	4.28
Utah	140	75	184	82	550	385	2.99	4.70
Virginia	500	460	524	512	1,577	1,577	3.01	3.08
Washington	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
West Virginia	590	450	515	435	1,045	1,005	2.03	2.31
Wisconsin	390	370	378	357	1,569	1,314	4.15	3.68
Other States [3]	5,965	6,975	12,168	13,261	29,637	31,111	2.44	2.35
United States	40,965	35,810	53,887	47,438	102,737	90,783	1.91	1.91
6 inch-12 inch:								
Arkansas	-	-	-	-	-	-	-	-
California	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Colorado	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Georgia	(D)	60	(D)	22	(D)	45	(D)	2.05
Idaho	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Michigan	(D)	50	(D)	30	(D)	109	(D)	3.63
Missouri	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
New York	55	75	23	44	122	210	5.30	4.77
North Carolina	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oregon	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pennsylvania	530	580	280	320	1,322	1,213	4.72	3.79
Utah	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Virginia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
West Virginia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other States [3]	5,845	7,285	1,584	1,765	6,008	6,283	3.79	3.56
United States	6,430	8,050	1,887	2,181	7,452	7,860	3.95	3.60

Size category and State	Number of fish		Live weight		Sales			
	2017	2018	Total [1]		Total [2]		Average price per 1,000 fish	
			2017	2018	2017	2018	2017	2018
	1,000	*1,000*	*1,000 pounds*	*1,000 pounds*	*1,000 dollars*	*1,000 dollars*	*Dollars*	*Dollars*
1 inch-6 inch:								
Arkansas	-	-	-	-	-	-	-	-
California	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Colorado	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Georgia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Michigan	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Missouri	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
New York	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
North Carolina	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oregon	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pennsylvania	115	210	4	5	75	95	651	452
Utah	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Virginia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
West Virginia	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Other States [3]	6,355	6,505	131	148	1,194	1,231	188	189
United States	6,470	6,715	135	153	1,269	1,326	196	197

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. [1] Due to rounding, total number of fish multiplied by the average pounds per unit may not exactly equal total live weight. [2] Due to rounding, total number or live weight multiplied by average value per unit may not exactly equal total sales. [3] Other States include State estimates not listed and States supressed due to disclosure.

NASS, Livestock Branch, (202) 720-3570.

Table 15-29.—General storages: Gross and usable cooler and freezer space, by State and United States, October 1, 2017 [1]

State	Cooler		Freezer		Total	
	Gross	Usable	Gross	Usable	Gross	Usable
	1,000 Cubic Feet					
Alabama	613	551	32,808	28,340	33,421	28,892
Alaska	(D)	(D)	(D)	(D)	(D)	(D)
Arizona	(D)	(D)	(D)	(D)	4,003	3,487
Arkansas	(D)	3,283	(D)	72,519	84,447	75,802
California	84,058	63,195	312,415	260,012	396,473	323,207
Colorado	(D)	(D)	(D)	(D)	(D)	(D)
Connecticut	(D)	(D)	(D)	(D)	(D)	(D)
Delaware	(D)	3,241	(D)	17,896	28,716	21,137
Florida	105,613	81,059	153,833	130,271	259,446	211,330
Georgia	33,442	26,692	150,041	128,754	183,483	155,446
Hawaii	-	-	-	-	-	-
Idaho	(D)	(D)	(D)	(D)	58,444	48,732
Illinois	22,866	19,576	165,135	132,334	188,000	151,910
Indiana	(D)	(D)	(D)	(D)	91,384	75,953
Iowa	11,551	8,945	66,133	58,035	77,683	66,980
Kansas	7,274	4,713	38,752	28,607	46,026	33,320
Kentucky	(D)	(D)	(D)	(D)	24,006	22,108
Louisiana	(D)	(D)	(D)	(D)	5,081	4,724
Maine	(D)	(D)	(D)	(D)	7,473	5,774
Maryland	(D)	(D)	(D)	(D)	(D)	(D)
Massachusetts	9,514	7,219	58,907	49,037	68,421	56,256
Michigan	7,725	6,363	84,155	68,823	91,880	75,186
Minnesota	23,158	15,607	69,397	55,879	92,556	71,487
Mississippi	(D)	(D)	(D)	(D)	14,596	11,386
Missouri	23,229	19,768	70,164	59,705	93,394	79,473
Montana	(D)	(D)	(D)	(D)	(D)	(D)
Nebraska	4,025	2,387	43,595	34,938	47,619	37,325
Nevada	(D)	(D)	(D)	(D)	(D)	(D)
New Hampshire	-	-	-	-	-	-
New Jersey	36,699	29,173	99,978	81,562	136,677	110,735
New Mexico	(D)	(D)	(D)	(D)	11,873	8,730
New York	18,473	14,130	48,545	43,130	67,019	57,260
North Carolina	4,029	3,011	53,810	42,723	57,839	45,734
North Dakota	(D)	(D)	(D)	(D)	10,325	7,800
Ohio	6,776	6,199	49,033	40,668	55,809	46,866
Oklahoma	(D)	(D)	(D)	(D)	15,637	12,428
Oregon	4,961	3,370	134,596	107,857	139,557	111,227
Pennsylvania	43,357	31,921	170,108	146,018	213,465	177,939
Rhode Island	(D)	(D)	(D)	(D)	(D)	(D)
South Carolina	(D)	(D)	(D)	(D)	26,362	20,898
South Dakota	(D)	(D)	(D)	(D)	11,645	6,289
Tennessee	4,492	(D)	52,742	(D)	57,234	41,704
Texas	62,207	50,103	169,187	136,282	231,395	186,386
Utah	13,463	11,974	36,642	30,173	50,105	42,147
Vermont	(D)	(D)	(D)	(D)	1,989	1,389
Virginia	13,745	12,327	57,011	51,340	70,757	63,666
Washington	12,187	10,030	259,096	198,507	271,283	208,537
West Virginia	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin	103,068	74,815	125,044	105,059	228,112	179,873
Wyoming	-	-	-	-	-	-
United States	709,741	546,003	2,892,409	2,377,919	3,602,154	2,923,921

- Represents zero. (D) Withheld to avoid disclosing data for individual operations. [1] Totals may not add due to rounding.
NASS, Livestock Branch, (202) 720–4751.

Table 15-30.—Refrigerated warehouses: Gross refrigerated space by type of warehouse, United States, biennially, October 2009–2017 [1 2]

Type	2009	2011	2013	2015	2017
	1,000 Cubic Feet				
General:					
Public	2,900,511	3,028,243	3,076,959	3,138,463	2,834,824
Private and Semiprivate	894,463	931,117	978,426	1,030,460	767,331
Total	3,794,974	3,959,354	4,055,385	4,168,921	3,602,154

[1] Warehouse space is defined as all space artificially cooled to temperatures of 50 degrees F. or less, in which food commodities are normally held for 30 days or longer. [2] Totals may not add due to rounding.
NASS, Livestock Branch, (202) 720–4751.

Table 15-31.—Alaska crops: Acreage harvested, volume harvested, and value of production, 2009–2018

Year	Oats for grain	Barley for grain	All hay	Potatoes
	Acreage harvested			
	Acres	*Acres*	*Acres*	*Acres*
2009	900	4,400	20,000	740
2010	800	4,200	20,000	750
2011	1,000	4,800	19,000	720
2012	900	4,300	22,000	650
2013	400	3,300	20,000	620
2014	1,000	5,100	18,000	620
2015	1,000	4,300	18,000	540
2016	1,200	4,700	22,000	530
2017	900	5,200	21,000	540
2018	(NA)	4,000	22,000	500
	Volume harvested			
	Bushels	*Bushels*	*Tons*	*Cwt.*
2009	37,000	183,000	23,000	137,000
2010	48,000	185,000	24,000	150,000
2011	80,000	175,000	22,000	134,000
2012	59,000	207,000	27,000	140,000
2013	15,000	110,000	15,000	130,000
2014	57,000	217,000	25,000	155,000
2015	47,000	146,000	20,000	140,000
2016	74,000	230,000	30,000	147,000
2017	66,000	239,000	25,000	120,000
2018	(NA)	172,000	29,000	140,000
	Value of production			
	Dollars	*Dollars*	*Dollars*	*Dollars*
2009	113,000	814,000	7,130,000	3,315,000
2010	161,000	814,000	7,320,000	3,570,000
2011	276,000	788,000	6,600,000	3,176,000
2012	212,000	1,107,000	8,505,000	3,864,000
2013	56,000	594,000	5,925,000	3,055,000
2014	211,000	1,183,000	9,625,000	3,395,000
2015	179,000	796,000	7,400,000	2,884,000
2016	274,000	1,208,000	10,200,000	3,308,000
2017	241,000	1,255,000	9,000,000	3,446,000
2018	(NA)	894,000	10,295,000	3,276,000

(NA) Not available.
NASS, Crops Branch, (202) 720–2127.

Table 15-32.—Crop ranking: Major field crops, rank by production, major States, 2018

Rank	State	Corn, grain	State	Soybeans	State	All wheat
		1,000 bushels		*1,000 bushels*		*1,000 bushels*
1	IA	2,508,800	IL	698,750	ND	363,483
2	IL	2,278,500	IA	564,870	KS	277,400
3	NE	1,787,520	MN	389,355	MT	197,630
4	MN	1,363,180	IN	346,320	WA	153,210
5	IN	982,800	NE	333,350	ID	104,410
6	SD	777,600	OH	288,840	MN	92,930
7	KS	645,000	MO	261,000	SD	72,294
8	OH	617,100	SD	256,680	CO	70,504
9	WI	545,240	ND	243,530	OK	70,000
10	MO	466,200	KS	204,450	TX	56,000
	US	14,420,101	US	4,543,883	US	1,884,458

Rank	State	Winter wheat	State	Durum wheat	State	Other spring wheat
		1,000 bushels		*1,000 bushels*		*1,000 bushels*
1	KS	277,400	ND	42,463	ND	318,010
2	WA	125,400	MT	23,250	MT	95,880
3	MT	78,500	AZ	7,420	MN	92,630
4	CO	70,200	CA	3,135	ID	42,275
5	OK	70,000	ID	935	SD	40,530
6	ID	61,200	SD	84	WA	27,810
7	TX	56,000		.....	OR	5,025
8	NE	49,490		.....	UT	468
9	OR	46,565		.....	CO	304
10	IL	36,960		.....	NV	300
	US	1,183,939	US	77,287	US	623,232

Rank	State	Sorghum, grain	State	Barley	State	Oats
		1,000 bushels		*1,000 bushels*		*1,000 bushels*
1	KS	233,200	ID	53,530	ND	8,610
2	TX	62,100	MT	33,600	SD	7,790
3	CO	17,225	ND	28,490	MN	6,195
4	SD	16,000	CO	7,540	WI	5,490
5	NE	15,980	MN	5,092	MI	3,150
6	OK	12,000	WY	5,000	TX	2,500
7	MO	2,100	WA	4,891	NY	2,322
8	NM	1,786	PA	2,079	IA	2,079
9	IL	1,776	CA	1,794	IL	2,075
10	GA	795	MD	1,680	OH	1,950
	US	364,986	US	153,082	US	56,130

Rank	State	All cotton	State	Peanuts	State	Rice
		1,000 bales		*1,000 pounds*		*1,000 cwt.*
1	TX	6,935	GA	2,892,500	AR	107,325
2	GA	1,950	AL	550,800	CA	43,425
3	MS	1,430	FL	504,000	LA	31,094
4	AR	1,150	TX	478,500	MO	17,090
5	CA	902	NC	382,200	TX	15,060
6	AL	860	SC	278,800	MS	10,217
7	MO	835	AR	115,000		
8	TN	780	VA	100,800		
9	OK	750	MS	96,000		
10	NC	700	OK	46,500		
	US	18,390	US	5,461,600	US	224,211

Rank	State	All hay, baled	State	Alfalfa hay, baled	State	Other hay, baled
		1,000 tons		*1,000 tons*		*1,000 tons*
1	TX	8,374	ID	4,410	TX	7,590
2	NE	6,985	CA	4,278	MO	4,760
3	SD	5,788	MT	3,895	KY	4,638
4	CA	5,682	SD	3,763	OK	4,500
5	MT	5,595	NE	3,655	TN	4,165
6	MO	5,408	ND	2,499	NE	3,330
7	OK	5,121	CO	2,482	KS	2,625
8	KY	5,088	IA	2,294	VA	2,420
9	ID	5,019	AZ	2,158	AL	2,380
10	KS	4,760	KS	2,135	NC	2,187
	US	123,600	US	52,634	US	70,966

Rank	State	All tobacco	State	Dry edible beans	State	Potatoes
		1,000 pounds		*1,000 cwt.*		*1,000 cwt.*
1	NC	251,925	ND	10,806	ID	140,175
2	KY	134,370	MT	5,214	WA	105,600
3	VA	44,046	MI	4,635	WI	28,400
4	TN	39,610	MN	3,964	OR	28,060
5	GA	23,750	WA	3,857	ND	23,360
6	SC	22,140	NE	3,249	CO	21,722
7	PA	17,400	ID	3,127	MN	18,705
8		.....	CA	1,191	MI	18,240
9		.....	CO	668	CA	15,470
10		.....	WY	607	ME	15,345
	US	533,241	US	37,494	US	454,314

NASS, Crops Branch, (202) 720–2127.

Table 15-33.—U.S. crop progress: 2018 crop and 5-year average

[In percent]

Week-ending date	Winter wheat							
	Planted		Emerged		Headed		Harvested	
	2017	Avg	2017	Avg	2018	Avg	2018	Avg
2017:								
Sep 10	5	6						
Sep 17	13	15						
Sep 24	24	28						
Oct 1	36	43	12	16				
Oct 8	48	58	25	30				
Oct 15	60	71	37	43				
Oct 22	75	80	52	57				
Oct 29	84	87	65	68				
Nov 5	91	91	75	77				
Nov 12	95	95	84	83				
Nov 19			88	88				
Nov 26			92	92				
2018:								
Apr 8					3	4		
Apr 15					9	10		
Apr 22					13	19		
Apr 29					19	30		
May 6					33	41		
May 13					45	53		
May 20					61	64		
May 27					73	75		
Jun 3					83	83	5	4
Jun 10					91	90	14	10
Jun 17					95	95	27	19
Jun 24							41	33
Jul 1							51	49
Jul 8							63	61
Jul 15							74	71
Jul 22							80	79
Jul 29							85	86
Aug 5							90	92
Aug 12							94	96
Aug 19							97	98

Week-ending date	Spring wheat							
	Planted		Emerged		Headed		Harvested	
	2018	Avg	2018	Avg	2018	Avg	2018	Avg
2018:								
Apr 8	2	6						
Apr 15	3	15						
Apr 22	3	25						
Apr 29	10	36						
May 6	30	51	4	22				
May 13	58	67	14	36				
May 20	79	80	37	52				
May 27	91	89	63	68				
Jun 3	97	94	81	82				
Jun 10			94	89				
Jun 17			97	95	9	12		
Jun 24					34	27		
Jul 1					58	48		
Jul 8					81	69		
Jul 15					93	85		
Jul 22					96	93		
Jul 29							4	4
Aug 5							13	14
Aug 12							35	27
Aug 19							60	44
Aug 26							77	61
Sep 2							87	75
Sep 9							93	85
Sep 16							97	92

See footnote(s) at end of table.

Table 15-33.—U.S. crop progress: 2018 crop and 5-year average—Continued

[In percent]

Week-ending date	Rice							
	Planted		Emerged		Headed		Harvested	
	2018	Avg	2018	Avg	2018	Avg	2018	Avg
2018:								
Apr 1	17	13	6	4				
Apr 8	21	22	11	8				
Apr 15	32	35	15	15				
Apr 22	49	46	21	27				
Apr 29	55	57	29	38				
May 6	68	69	44	50				
May 13	83	80	61	63				
May 20	93	89	74	74				
May 27	98	95	85	83				
Jun 3			95	91				
Jun 10								
Jun 17					3	4		
Jun 24					7	8		
Jul 1					15	14		
Jul 8					21	20		
Jul 15					32	29		
Jul 22					46	41		
Jul 29					64	54		
Aug 5					82	70	6	5
Aug 12					91	83	11	9
Aug 19					95	91	15	13
Aug 26							20	18
Sep 2							31	26
Sep 9							40	36
Sep 16							49	47
Sep 23							65	59
Sep 30							70	70
Oct 7							79	79
Oct 14							88	87
Oct 21							90	94
Oct 28							96	98

Week-ending date	Corn													
	Planted		Emerged		Silking		Dough		Dented		Mature		Harvested	
	2018	Avg	2018	Avg	2018	Avg	2018	Avg	2018	Avg	2018	Avg	2018	Avg
2018:														
Apr 8	2	2												
Apr 15	3	5												
Apr 22	5	14												
Apr 29	17	27	3	6										
May 6	39	44	8	14										
May 13	62	63	28	27										
May 20	81	81	50	47										
May 27	92	90	72	69										
Jun 3	97	95	86	83										
Jun 10			94	92										
Jun 17			98	97										
Jun 24					5	3								
Jul 1					17	8								
Jul 8					37	18								
Jul 15					63	37								
Jul 22					81	62	18	8						
Jul 29					91	82	38	20						
Aug 5					96	92	57	37	12	6				
Aug 12							73	56	26	13				
Aug 19							85	72	44	26				
Aug 26							92	84	61	42	10	5		
Sep 2							96	91	75	60	22	11		
Sep 9									86	75	35	21	5	3
Sep 16									93	86	54	36	9	6
Sep 23									97	93	72	53	16	11
Sep 30											86	71	26	17
Oct 7											93	83	34	26
Oct 14											96	91	39	35
Oct 21													49	47
Oct 28													63	63
Nov 4													76	77
Nov 11													84	87
Nov 18													90	93
Nov 25													94	96

See footnote(s) at end of table.

Table 15-33.—U.S. crop progress: 2018 crop and 5-year average—Continued

[In percent]

Week-ending date	Sorghum									
	Planted		Headed		Coloring		Mature		Harvested	
	2018	Avg	2018	Avg	2018	Avg	2018	Avg	2018	Avg
2018:										
Apr 1	9	11								
Apr 8	17	15								
Apr 15	20	20								
Apr 22	24	23								
Apr 29	26	26								
May 6	29	29								
May 13	32	33								
May 20	39	38								
May 27	49	44								
Jun 3	61	54								
Jun 10	80	68	16	12						
Jun 17	89	82	18	17						
Jun 24	95	91	20	21						
Jul 1	.....	.....	22	24						
Jul 8	.....	.....	25	27	17	17				
Jul 15	.....	.....	31	32	19	20				
Jul 22	.....	.....	42	40	22	24				
Jul 29	.....	.....	54	50	26	27				
Aug 5	.....	.....	69	62	31	31	20	21		
Aug 12	.....	.....	78	73	37	36	21	24		
Aug 19	.....	.....	87	83	46	43	23	27		
Aug 26	.....	.....	93	90	55	52	27	30	20	21
Sep 2	.....	.....	96	95	69	62	30	33	22	23
Sep 9	.....	.....	.....	.....	79	74	34	38	24	26
Sep 16	.....	.....	.....	.....	88	83	41	44	26	29
Sep 23	.....	.....	.....	.....	94	90	50	53	30	32
Sep 30	.....	.....	.....	.....	97	95	62	63	34	36
Oct 7	.....	.....	.....	.....	.....	.....	73	72	39	42
Oct 14	.....	.....	.....	.....	.....	.....	81	82	42	48
Oct 21	.....	.....	.....	.....	.....	.....	89	89	46	56
Oct 28	.....	.....	.....	.....	.....	.....	94	95	53	66
Nov 4	.....	.....	.....	.....	.....	.....	97	98	64	76
Nov 11	.....	.....	.....	.....	.....	.....	.....	.....	73	84
Nov 18	.....	.....	.....	.....	.....	.....	.....	.....	80	90
Nov 25	.....	.....	.....	.....	.....	.....	.....	.....	89	94

Week-ending date	Soybeans											
	Planted		Emerged		Blooming		Setting Pods		Dropping Leaves		Harvested	
	2018	Avg	2018	Avg	2018	Avg	2018	Avg	2018	Avg	2018	Avg
2018:												
Apr 22	2	2										
Apr 29	5	5										
May 6	15	13										
May 13	35	26	10	6								
May 20	56	44	26	15								
May 27	77	62	47	32								
Jun 3	87	75	68	52								
Jun 10	93	85	83	69								
Jun 17	97	91	90	81								
Jun 24	.....	.....	95	89	12	5						
Jul 1	.....	.....	.....	.....	27	13						
Jul 8	.....	.....	.....	.....	47	27	11	4				
Jul 15	.....	.....	.....	.....	65	45	26	11				
Jul 22	.....	.....	.....	.....	78	63	44	23				
Jul 29	.....	.....	.....	.....	86	77	60	41				
Aug 5	.....	.....	.....	.....	92	86	75	58				
Aug 12	.....	.....	.....	.....	96	92	84	72				
Aug 19	.....	.....	.....	.....	.....	.....	91	83				
Aug 26	.....	.....	.....	.....	.....	.....	95	90	7	4		
Sep 2	.....	.....	.....	.....	.....	.....	.....	.....	16	9		
Sep 9	.....	.....	.....	.....	.....	.....	.....	.....	31	19		
Sep 16	.....	.....	.....	.....	.....	.....	.....	.....	53	36	6	3
Sep 23	.....	.....	.....	.....	.....	.....	.....	.....	71	57	14	8
Sep 30	.....	.....	.....	.....	.....	.....	.....	.....	83	75	23	20
Oct 7	.....	.....	.....	.....	.....	.....	.....	.....	91	85	32	36
Oct 14	.....	.....	.....	.....	.....	.....	.....	.....	95	92	38	53
Oct 21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	53	69
Oct 28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	72	81
Nov 4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	83	89
Nov 11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	88	93
Nov 18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	91	96
Nov 25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	94	98

See footnote(s) at end of table.

Table 15-33.—U.S. crop progress: 2018 crop and 5-year average—Continued

[In percent]

Week-ending date	Cotton, Upland									
	Planted		Squaring		Setting Bolls		Bolls Opening		Harvested	
	2018	Avg	2018	Avg	2018	Avg	2018	Avg	2018	Avg
2018:										
Apr 1	7	3								
Apr 8	7	5								
Apr 15	8	7								
Apr 22	10	10								
Apr 29	12	14								
May 6	20	20								
May 13	36	31								
May 20	52	45								
May 27	62	59	7	3						
Jun 3	76	76	9	6						
Jun 10	90	88	15	10						
Jun 17	96	94	22	17						
Jun 24			32	28	6	5				
Jul 1			42	40	12	9				
Jul 8			59	55	21	15				
Jul 15			72	70	31	24				
Jul 22			78	81	41	37				
Jul 29			88	89	49	48				
Aug 5			92	94	60	62	9	6		
Aug 12			96	98	77	78	13	9		
Aug 19					86	86	17	12		
Aug 26					91	91	21	18		
Sep 2					96	96	29	26		
Sep 9							39	35	10	5
Sep 16							49	46	13	6
Sep 23							58	57	16	9
Sep 30							67	67	19	13
Oct 7							78	74	25	18
Oct 14							85	83	32	25
Oct 21							88	89	39	33
Oct 28							91	94	44	43
Nov 4							94	97	49	52
Nov 11							96	98	54	61
Nov 18									59	69
Nov 25									70	77

Week-ending date	Barley								Oats							
	Planted		Emerged		Headed		Harvested		Planted		Emerged		Headed		Harvested	
	2018	Avg	2018	Avg	2018	Avg	2018	Avg	2018	Avg	2018	Avg	2018	Avg	2018	Avg
2018:																
Apr 1									26	29	25	25				
Apr 8	4	12							27	34	25	27				
Apr 15	7	23							29	44	26	30				
Apr 22	11	33	2	8					31	55	26	35				
Apr 29	26	44	7	17					39	64	29	44				
May 6	42	59	13	30					56	74	34	54				
May 13	62	74	21	45					72	84	48	66				
May 20	81	84	45	58					86	91	67	77	25	25		
May 27	93	91	68	72					94	95	82	86	27	29		
Jun 3	97	95	82	83					98	98	90	93	31	33		
Jun 10			92	90							95	97	39	42		
Jun 17			96	95	8	15							52	54		
Jun 24					28	32							67	68		
Jul 1					50	51							82	80		
Jul 8					78	73							91	89	10	9
Jul 15					90	88							96	95	16	14
Jul 22					94	95									24	23
Jul 29					97	98	2	6							38	35
Aug 5							16	18							51	49
Aug 12							41	38							67	64
Aug 19							66	56							80	77
Aug 26							80	72							89	86
Sep 2							84	83							94	91
Sep 9							92	92							96	96
Sep 16							96	97								

See footnote(s) at end of table.

Table 15-33.—U.S. crop progress: 2018 crop and 5-year average—Continued

[In percent]

Week-ending date	Sugarbeets				Sunflower			
	Planted		Harvested		Planted		Harvested	
	2018	Avg	2018	Avg	2018	Avg	2018	Avg
2018:								
Apr 8	1	5						
Apr 15	9	20						
Apr 22	12	37						
Apr 29	24	49						
May 6	66	63						
May 13	84	78						
May 20	95	89			12	12		
May 27					30	25		
Jun 3					49	41		
Jun 10					72	60		
Jun 17					83	76		
Jun 24					91	88		
Jul 1					95	95		
Sep 9			5	5				
Sep 16			12	8				
Sep 23			16	12				
Sep 30			22	20				
Oct 7			40	41			6	6
Oct 14			42	63			10	15
Oct 21			65	75			19	28
Oct 28			82	85			33	45
Nov 4			91	92			52	61
Nov 11			96	96			61	75
Nov 18							69	84
Nov 25							77	91

Week-ending date	Peanuts					
	Planted		Pegging		Harvested	
	2018	Avg	2018	Avg	2018	Avg
2018:						
Apr 22	3	3				
Apr 29	9	8				
May 6	23	18				
May 13	45	34				
May 20	63	55				
May 27	73	74				
Jun 3	83	87				
Jun 10	91	94				
Jun 17	96	97	14	10		
Jun 24			27	23		
Jul 1			45	36		
Jul 8			58	52		
Jul 15			69	66		
Jul 22			79	77		
Jul 29			86	85		
Aug 5			90	91		
Aug 12			94	95		
Aug 19			97	97		
Sep 9					1	3
Sep 16					3	6
Sep 23					10	11
Oct 30					21	19
Oct 7					33	31
Oct 14					45	44
Oct 21					56	58
Oct 28					66	70
Nov 4					75	81
Nov 11					81	89
Nov 18					86	93
Nov 25					91	96

NASS, Crops Branch, (202) 720–2127.

Appendix I

Telephone Contact List

Appreciation is expressed to the following agencies for their help in this publication. The information offices are listed to provide help to those users who require additional information about specific tables in this publication.

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Agricultural Research Service:
USDA/ARS
5601 Sunnyside Ave
Bldg 1, Rm 2251
Beltsville, MD 20705–5128
301–504–1636

Animal and Plant Health Inspection Service:
USDA/APHIS
4700 River Rd
Riverdale, MD 20737
301–851–4100

Center for Nutrition Policy and Promotion:
USDA/CNPP
3101 Park Center Drive
Alexandria, VA 22302
703–305–7600

Economic Research Service:
USDA/ERS
355 E Street, S.W.
Washington, DC 20024-3221
202–694–5050

Farm Credit Administration:
FCA
1501 Farm Credit Dr.
McLean, VA 22102
703–883–4056

Farm Service Agency:
USDA/FSA
Room 4078 South Bldg.
Washington, DC 20250
202–720–7163

Food and Nutrition Service:
USDA/FNS
3101 Park Center Drive, Room 914
Alexandria, VA 22302
703–305–2062

Foreign Agricultural Service:
USDA/FAS
Room 5076 South Bldg.
Washington, DC 20250
202–720–7115

Forest Service:
USDA/FS
2nd Floor Central Wing, Yates Bldg.
Washington, DC 20250
202–205–8333

National Agricultural Statistics Service:
USDA/NASS
Room 5038 South Bldg.
Washington, DC 20250
202–720–3878

National Marine Fisheries Service:
USDC/NOAA/NMFS
1315 East/West Highway,
SSMC III - Room 12405
Silver Spring, MD 20910–3282
301–427–8103

Natural Resources Conservation Service:
USDA/NRCS
Room 6121 South Bldg.
Washington, DC 20250
202–720–2182

Risk Management Agency:
USDA/RMA
Room 403
Kansas City, MO 64133-4675
816–926–1805

Rural Business-Cooperatives Service:
USDA/RECD/RBS
Room 4801 South Bldg.
Washington, DC 20250
202–720–1019

Rural Utilities Service:
USDA/RD/RUS
Stop 1510, Room 5135
1400 Independence Avenue, SW
Washington, DC 20250
202–720–9540

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