



Agricultural Prices

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December Prices Received Index Up 0.8 Percent

The December Prices Received Index 2011 Base (Agricultural Production), at 89.5, increased 0.8 percent from November but decreased 0.8 percent from December 2018. At 83.3, the Crop Production Index was up 0.8 percent from last month but down 5.0 percent from the previous year. The Livestock Production Index, at 97.0, was unchanged from November, but increased 5.0 percent from December last year. Producers received higher prices during December for broilers, cattle, tomatoes, and strawberries but lower prices for market eggs, lettuce, oranges, and milk. In addition to prices, the indexes are influenced by the volume change of commodities that producers market. In December, there was increased monthly movement for oranges, milk, broilers, and cotton and decreased marketing of corn, grapes, soybeans, and calves.

December Prices Paid Index Up 0.1 Percent

The December Prices Paid Index for Commodities and Services, Interest, Taxes, and Farm Wage Rates (PPITW), at 110.5, is up 0.1 percent from November 2019 and 0.4 percent from December 2018. Higher prices for self-propelled machinery, feeder pigs, complete feeds, and concentrates more than offset lower prices in December for nitrogen, feeder cattle, LP gas, and other services.

Prices Received, Prices Paid, and Ratio of Prices Received to Prices Paid Indexes 2011 Base – United States: December 2019 with Comparisons

Index Group	December 2018	November 2019	December 2019
	(percent)	(percent)	(percent)
Prices received by farmers	90.2	88.8	89.5
Prices paid by farmers	110.1	110.4	110.5
Ratio of prices received to prices paid	82	81	80

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December Prices Received by Farmers

Crop production: The December index, at 83.3, is 0.8 percent higher than November but 5.0 percent lower than December 2018. The grain & oilseed index and other crop index increases more than offset the fruit & tree nut index and vegetable & melon index decreases.

Grain and oilseed: The December index, at 65.6, is up 1.5 percent from November and 1.5 percent from December 2018. Oilseed, feed grain, and food grain indexes all showed an increase from previous month.

Feed grain: The December index, at 61.7, increased 0.8 percent from last month and 4.2 percent from a year ago. The corn price, at \$3.71 per bushel, is up 3 cents from last month and 17 cents from December 2018.

Food grain: At 71.9, the index for December increased 0.3 percent from the previous month but decreased 6.5 percent from a year ago. The December price for all wheat, at \$4.64 per bushel, is 25 cents higher than November but 64 cents lower than December 2018. The December price for rice, at \$12.50 per cwt, is 40 cents lower than November and 20 cents lower than December 2018.

Oilseed: At 69.6, the index for December increased 1.3 percent from November and 1.5 percent from December 2018. The soybean price, at \$8.70 per bushel, is up 11 cents from November and 14 cents from December last year.

Fruit and tree nut: The December index, at 120.9, is down 6.4 percent from November and 3.8 percent from a year earlier. Price decreases during December for oranges, lemons, and grapefruit more than offset price increases for strawberries.

Vegetable and melon: At 132.5, the index for December decreased 6.1 percent from the previous month and 13.1 percent from December 2018. Price declines during December for lettuce, cauliflower, broccoli, and celery more than offset price increases for tomatoes, cucumbers, onions, and carrots.

Other crop: The December index, at 81.8, is up 0.9 percent from the previous month but down 9.6 percent from December 2018. The all hay price, at \$158.00 per ton, is \$2.00 lower than November and \$8.00 lower than December 2018. At 61.5 cents per pound, the price for upland cotton is 1.8 cents higher than November but 11.1 cents lower than December 2018.

Livestock production: The index for December, at 97.0, was unchanged from the previous month but increased 5.0 percent from December a year earlier. Compared with a year ago, prices are higher for milk, hogs, turkeys, and cattle while prices for broilers, market eggs, and calves are lower than a year earlier.

Meat animal: At 94.3, the December index increased 1.8 percent from the previous month and 1.3 percent from a year earlier. At \$47.30 per cwt, the December hog price is 70 cents lower than November but \$3.90 higher than a year earlier. The December beef cattle price of \$118.00 per cwt is \$5.00 higher than the previous month and \$1.00 higher than December 2018.

Dairy: The index for December, at 103.0, is down 1.4 percent from the previous month but up 24.7 percent from December a year ago. The December all milk price of \$20.70 per cwt is 30 cents lower than November but \$4.10 higher than December 2018.

Poultry and egg: At 96.8, the December index decreased 2.9 percent from November and 11.0 percent from December 2018. The December market egg price, at 71.4 cents per dozen, is 40.6 cents lower than November and 26.6 cents lower than December 2018. The December broiler price, at 45.0 cents per pound, is 4.7 cents higher than November but 6.0 cents lower than a year ago. At 62.4 cents per pound, the December turkey price is 4.7 cents lower than the previous month but 12.6 cents higher than December 2018.

Food Commodities: The index, at 95.7, decreased 0.8 percent from the previous month but increased 1.2 percent from December 2018.

Prices Received Indexes, 2011 Base – United States: December 2019 with Comparisons

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Index Group	2011 Base		
	December 2018	November 2019	December 2019
	(percent)	(percent)	(percent)
Agricultural production	90.2	88.8	89.5
Crop production	87.7	82.6	83.3
Grain and oilseed	64.6	64.6	65.6
Feed grain	59.2	61.2	61.7
Food grain	76.9	71.7	71.9
Oilseed	68.6	68.7	69.6
Fruit and tree nut	125.7	129.1	120.9
Vegetable and melon	152.4	141.1	132.5
Other crop	90.5	81.1	81.8
Livestock production	92.4	97.0	97.0
Meat animal	93.1	92.6	94.3
Cattle	102.8	99.7	103.3
Hog	65.3	72.2	71.1
Dairy	82.6	104.5	103.0
Poultry and egg	108.8	99.7	96.8
Food commodity	94.6	96.5	95.7

Prices Received Indexes, 1910-1914 Base – United States: December 2019 with Comparisons

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Index Group	1910 - 1914 Base		
	December 2018	November 2019	December 2019
	(percent)	(percent)	(percent)
Agricultural production	931	916	923
Crop production	765	721	726
Livestock production	1073	1126	1126

Prices Received Indexes, 2011 Base by Month for Selected Groups – United States: 2018 and 2019

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Month	2011 Base							
	Agricultural production		Crop production		Livestock production		Food commodities	
	2018	2019	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
January	86.0	85.2	78.6	77.3	94.4	97.2	92.7	92.4
February	90.9	89.3	86.8	83.6	93.9	94.7	95.2	93.8
March	94.9	91.9	87.9	85.7	99.5	97.5	99.7	97.2
April	92.8	92.9	88.3	84.6	95.7	100.1	96.1	97.5
May	94.7	91.9	89.0	83.9	98.3	98.8	98.1	96.0
June	95.1	92.5	90.3	87.8	98.5	97.0	98.9	95.8
July	91.7	89.9	86.9	86.7	95.6	93.5	95.0	92.0
August	89.7	90.6	89.7	87.4	89.7	93.7	92.1	93.6
September	88.4	87.0	88.1	86.7	88.7	87.3	90.9	89.3
October	85.2	84.7	80.2	81.2	91.4	90.3	88.9	88.4
November	88.5	88.8	84.2	82.6	92.7	97.0	94.2	96.5
December	90.2	89.5	87.7	83.3	92.4	97.0	94.6	95.7

Prices Paid Indexes, 2011 Base by Month for Selected Groups – United States: 2018 and 2019

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Month	2011 Base							
	All items (PPITW)		Production		Crop sector		Livestock sector	
	2018	2019	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
January	108.2	110.9	105.4	107.7	109.5	112.2	106.8	109.5
February	108.9	111.0	106.3	107.8	109.7	112.4	108.0	109.6
March	108.9	111.1	106.3	107.8	109.8	112.2	107.9	110.0
April	108.6	111.7	106.1	108.6	109.5	112.2	107.6	111.1
May	109.1	111.1	106.6	107.8	109.8	112.1	108.2	110.0
June	108.9	110.6	106.3	107.1	109.9	112.1	107.7	108.9
July	109.0	110.7	106.0	107.1	110.3	112.3	107.6	109.0
August	109.2	109.9	106.2	105.9	110.4	111.5	107.8	108.1
September	109.2	109.6	106.2	105.5	110.4	111.2	107.7	107.8
October	109.8	110.1	106.8	106.1	110.8	111.4	108.5	108.7
November	109.8	110.4	107.0	106.5	111.3	111.5	108.2	109.1
December	110.1	110.5	107.3	106.7	111.3	111.6	108.7	109.4

Prices Received for Field Crops and Fruits – United States: December 2019 with Comparisons

Commodity	2011 Base Price	December 2018	November 2019	December 2019
Field crops				
Barley, all	dollars/bushel 4.79	4.64	4.74	4.51
Feed	dollars/bushel 4.59	3.06	2.81	3.32
Malting	dollars/bushel 4.83	4.78	4.84	4.82
Beans, dry edible	dollars/cwt 34.60	24.70	28.80	32.00
Canola	dollars/cwt 23.10	16.30	14.40	14.40
Chickpeas, all	dollars/cwt 35.70	21.10	16.50	14.80
Large	dollars/cwt 39.20	20.30	15.40	17.40
Small	dollars/cwt 23.40	21.50	17.90	13.10
Corn	dollars/bushel 6.02	3.54	3.68	3.71
Cotton, Upland	dollars/pound 0.880	0.726	0.597	0.615
Cottonseed	dollars/ton 131.00	161.00	163.00	164.00
Flaxseed	dollars/bushel 14.20	9.87	8.68	8.91
Hay, all, baled	dollars/ton 159.00	166.00	160.00	158.00
Alfalfa	dollars/ton 176.00	179.00	173.00	175.00
Other	dollars/ton 119.00	146.00	137.00	133.00
Lentils	dollars/cwt 27.50	16.30	14.90	14.80
Oats	dollars/bushel 3.42	2.67	2.95	3.19
Peanuts, in-shell	dollars/pound 0.252	0.205	0.192	0.196
Peas, dry edible	dollars/cwt 13.60	10.50	9.52	10.10
Rice, all	dollars/cwt 13.70	12.70	12.90	12.50
Long	dollars/cwt 12.30	10.80	11.60	11.70
Medium and short	dollars/cwt 18.40	18.10	16.00	15.70
Sorghum grain	dollars/cwt 10.70	5.68	5.64	5.64
Soybeans	dollars/bushel 12.50	8.56	8.59	8.70
Sunflowers, all	dollars/cwt 29.00	16.90	17.90	17.60
Wheat, all	dollars/bushel 7.44	5.28	4.39	4.64
Winter	dollars/bushel 6.93	5.24	4.36	4.57
Durum	dollars/bushel 9.22	4.83	4.15	4.44
Other spring	dollars/bushel 8.33	5.36	4.52	4.79
Hard red winter	dollars/bushel 7.07	5.10	4.03	4.23
Soft red winter	dollars/bushel 6.77	5.21	5.29	5.43
Hard red spring	dollars/bushel 8.38	5.36	4.47	4.76
White	dollars/bushel 6.58	5.42	5.42	5.40
Fruits				
Citrus, equivalent on-tree				
Grapefruit	dollars/box 7.47	18.68	15.86	12.81
Lemons	dollars/box 12.30	26.23	29.70	22.43
Oranges	dollars/box 8.16	10.46	15.18	10.20
Non-citrus, fresh				
Apples	dollars/pound 0.325	0.401	0.333	0.336
Grapes	dollars/ton 628.00	1,140.00	1,500.00	2,090.00
Peaches	dollars/ton 507.00	(S)	(S)	(S)
Pears	dollars/ton 559.00	614.00	678.00	721.00
Strawberries	dollars/cwt 104.00	(S)	115.00	(S)

(S) Insufficient number of reports to establish an estimate.

Prices Received for Vegetables and Livestock – United States: December 2019 with Comparisons

[Price data source for potato, livestock, and poultry commodities is United States Department of Agriculture's Agricultural Marketing Service]

Commodity	2011 Base Price	December 2018	November 2019	December 2019
Vegetables, fresh ¹				
Asparagus	dollars/cwt	37.50	(S)	(S)
Beans, snap	dollars/cwt	69.00	62.80	99.10
Broccoli	dollars/cwt	41.60	85.50	57.50
Cantaloupes	dollars/cwt	16.50	39.00	24.30
Carrots	dollars/cwt	30.80	26.40	29.70
Cauliflower	dollars/cwt	47.00	74.80	92.20
Celery	dollars/cwt	22.50	46.60	35.60
Corn, sweet	dollars/cwt	30.70	31.70	34.30
Cucumbers	dollars/cwt	18.70	36.70	31.10
Lettuce	dollars/cwt	24.30	74.80	65.30
Onions ²	dollars/cwt	11.90	10.90	10.90
Potatoes	dollars/cwt	14.30	9.37	13.90
Tomatoes	dollars/cwt	51.20	57.20	54.40
Livestock				
Calves	dollars/cwt	142.00	166.00	158.00
Cattle, all beef	dollars/cwt	115.00	117.00	113.00
Cows ³	dollars/cwt	71.60	51.80	57.70
Steers and heifers	dollars/cwt	117.00	119.00	115.00
Milk cows ⁴	dollars/head	1,420.00	(NA)	(NA)
Hogs, all	dollars/cwt	66.50	43.40	48.00
Barrows and gilts	dollars/cwt	66.80	43.60	48.20
Sows	dollars/cwt	57.90	38.00	41.90
Dairy and poultry				
Milk, all ⁵	dollars/cwt	20.10	16.60	21.00
Fat test	percent	3.71	4.04	4.06
Broilers, live ⁶	dollars/pound	0.459	0.510	0.403
Eggs, all ⁷	dollars/dozen	0.969	1.17	1.29
Market ^{7 8}	dollars/dozen	0.796	0.980	1.12
Turkeys, live ⁹	dollars/pound	0.680	0.498	0.671
Adjusted for seasonal variation				
Eggs, all	dollars/dozen	0.979	0.965	0.978
Seasonal factor	percent	101	121	132
Milk, all	dollars/cwt	20.20	16.10	19.80
Seasonal factor	percent	100	103	106

(NA) Not available.

(S) Insufficient number of reports to establish an estimate.

¹ Point of first sale.

² Includes some processing.

³ Beef cows and cull dairy cows sold for slaughter.

⁴ Animals sold for dairy herd replacement only. Prices available for January, April, July, and October.

⁵ Before deductions for hauling. Includes quality, quantity, and other premiums. Excludes hauling subsidies.

⁶ Live weight equivalent price.

⁷ Mid-month price.

⁸ Also referred to as table eggs.

⁹ Live weight equivalent price is used when actual live weight price is not available. Beginning January 2011, price reflects FOB shipping point basis. Prior year price reflects delivered basis.

Prices Received for All Wheat, Corn, and Soybeans by Month – United States: 2019 with Comparisons

[Blank data cells indicate estimation period has not yet begun]

Month	All wheat			Corn			Soybeans		
	2017	2018	2019	2017	2018	2019	2017	2018	2019
	(dollars per bushel)								
January	4.01	4.65	5.28	3.40	3.29	3.56	9.71	9.30	8.64
February	4.16	4.92	5.33	3.44	3.38	3.60	9.86	9.50	8.52
March	4.37	5.10	5.19	3.49	3.51	3.61	9.69	9.81	8.52
April	4.16	5.28	4.93	3.43	3.58	3.53	9.33	9.85	8.28
May	4.05	5.39	4.78	3.45	3.68	3.63	9.29	9.84	8.02
June	4.37	5.19	4.81	3.43	3.58	3.98	9.10	9.55	8.31
July	4.77	5.00	4.52	3.49	3.47	4.16	9.42	9.08	8.38
August	4.84	5.31	4.35	3.27	3.36	3.93	9.24	8.59	8.22
September	4.65	5.15	4.26	3.27	3.40	3.80	9.35	8.78	8.35
October	4.64	5.22	4.45	3.26	3.42	3.84	9.18	8.59	8.60
November	4.72	5.23	4.39	3.15	3.41	3.68	9.22	8.36	8.59
December	4.50	5.28	4.64	3.23	3.54	3.71	9.30	8.56	8.70

Prices Received for Beef Cattle and All Hogs by Month – United States: 2019 with Comparisons

[Price data source for livestock commodities is United States Department of Agriculture's Agricultural Marketing Service. Blank data cells indicate estimation period has not yet begun]

Month	Beef cattle ¹			All hogs ²		
	2017	2018	2019	2017	2018	2019
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
January	117.00	120.00	121.00	48.10	52.50	44.60
February	119.00	125.00	123.00	54.40	54.60	43.40
March	125.00	125.00	126.00	53.00	50.00	46.50
April	128.00	119.00	125.00	48.40	45.30	59.40
May	136.00	120.00	120.00	53.60	51.50	62.30
June	132.00	112.00	114.00	62.10	59.10	59.50
July	120.00	110.00	112.00	67.30	58.60	56.60
August	114.00	110.00	111.00	61.50	44.30	58.50
September	105.00	108.00	103.00	48.90	43.20	47.70
October	109.00	110.00	107.00	47.30	50.30	49.10
November	119.00	113.00	113.00	50.00	46.20	48.00
December	118.00	117.00	118.00	48.60	43.40	47.30

¹ Cows and steers & heifers.

² Barrows & gilts and sows.

Prices Received for All Wheat – States and United States: December 2019 with Comparisons

State	December 2018	November 2019	December 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Arizona	(D)	(D)	(D)
Arkansas	(D)	(D)	(S)
California	(D)	(D)	(D)
Colorado	4.74	3.65	3.98
Idaho	5.34	5.04	5.02
Illinois	5.01	5.41	5.63
Indiana	5.37	5.27	5.26
Kansas	4.75	3.83	4.07
Michigan	5.16	5.18	5.24
Minnesota	5.61	4.41	4.62
Missouri	5.06	5.32	5.42
Montana	5.36	4.56	4.75
Nebraska	4.44	3.70	3.92
North Carolina	5.54	5.42	5.52
North Dakota	5.22	4.15	4.50
Ohio	5.10	5.29	5.53
Oklahoma	4.71	4.05	4.27
Oregon	5.81	5.66	5.83
South Dakota	5.19	4.41	4.72
Texas	5.06	3.84	4.52
Washington	5.56	5.49	5.51
United States	5.28	4.39	4.64

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Prices Received for Winter Wheat – States and United States: December 2019 with Comparisons

State	December 2018	November 2019	December 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Arkansas	(D)	(D)	(S)
California	(D)	(D)	(D)
Colorado	4.74	3.65	3.98
Idaho	5.27	5.04	4.96
Illinois	5.01	5.41	5.63
Indiana	5.37	5.27	5.26
Kansas	4.75	3.83	4.07
Michigan	5.16	5.18	5.24
Minnesota ¹	(D)	(NA)	(NA)
Missouri	5.06	5.32	5.42
Montana	5.36	4.40	4.54
Nebraska	4.44	3.70	3.92
North Carolina	5.54	5.42	5.52
North Dakota	3.88	3.68	3.09
Ohio	5.10	5.29	5.53
Oklahoma	4.71	4.05	4.27
Oregon	5.78	5.66	5.83
South Dakota	5.02	4.20	4.51
Texas	5.06	3.84	4.52
Washington	5.52	5.46	5.41
United States	5.24	4.36	4.57

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

(S) Insufficient number of reports to establish an estimate.

¹ Monthly estimates discontinued in September 2019.

Prices Received for Durum Wheat – States and United States: December 2019 with Comparisons

State	December 2018	November 2019	December 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Arizona	(D)	(D)	(D)
California	(D)	(S)	(S)
Idaho	(D)	(D)	(S)
Montana	5.31	4.50	(D)
North Dakota	4.67	3.81	4.06
United States	4.83	4.15	4.44

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Prices Received for Spring Wheat – States and United States: December 2019 with Comparisons

State	December 2018	November 2019	December 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Colorado ¹	(D)	(NA)	(NA)
Idaho	5.46	5.05	5.15
Minnesota	5.61	4.41	4.62
Montana	5.36	4.75	5.01
North Dakota	5.27	4.25	4.58
Oregon ¹	5.97	(NA)	(NA)
South Dakota	5.27	4.66	4.84
Washington	5.78	5.70	6.01
United States	5.36	4.52	4.79

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

¹ Monthly estimates discontinued in September 2019.

Prices Received for Oats – States and United States: December 2019 with Comparisons

State	December 2018	November 2019	December 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Illinois	(D)	(S)	(S)
Iowa	3.42	3.73	3.70
Michigan	3.41	3.68	(S)
Minnesota	2.35	2.50	2.44
Montana	(D)	(S)	(S)
Nebraska	(D)	(D)	(D)
New York	(S)	(S)	(D)
North Dakota	2.46	2.50	2.60
Oregon	(S)	(S)	(S)
Pennsylvania	(D)	4.46	4.68
South Dakota	2.65	2.92	2.72
Texas	(D)	(S)	(S)
Wisconsin	3.27	3.45	2.87
United States	2.67	2.95	3.19

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Prices Received for All Barley – States and United States: December 2019 with Comparisons

State	December 2018	November 2019	December 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
California	(D)	(D)	(D)
Colorado	4.67	(D)	(D)
Idaho	5.16	4.96	5.05
Minnesota	(D)	4.47	(D)
Montana	4.62	4.38	4.26
North Dakota	4.26	4.64	4.20
Washington	3.20	4.65	4.99
Wyoming	(D)	(D)	(D)
United States	4.64	4.74	4.51

(D) Withheld to avoid disclosing data for individual operations.

Prices Received for Malting Barley – States and United States: December 2019 with Comparisons

State	December 2018	November 2019	December 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
California	(D)	(D)	(D)
Colorado	4.67	(D)	4.81
Idaho	5.28	5.08	5.16
Minnesota	(D)	(D)	(D)
Montana	4.63	4.40	4.44
North Dakota	4.49	4.72	4.66
Washington	(S)	(D)	(D)
Wyoming	(D)	(D)	(D)
United States	4.78	4.84	4.82

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Prices Received for Feed Barley – States and United States: December 2019 with Comparisons

State	December 2018	November 2019	December 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
California	(S)	(S)	(S)
Colorado	(S)	(S)	(D)
Idaho	3.30	2.79	3.39
Minnesota	(D)	(D)	(S)
Montana	3.85	2.47	2.89
North Dakota	2.93	2.78	3.49
Washington	3.20	2.79	2.98
Wyoming	(S)	(S)	(D)
United States	3.06	2.81	3.32

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Prices Received for Corn – States and United States: December 2019 with Comparisons

State	December 2018	November 2019	December 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Colorado	3.51	3.84	3.79
Illinois	3.60	3.66	3.73
Indiana	3.70	3.92	4.01
Iowa	3.52	3.64	3.70
Kansas	3.58	3.55	3.57
Kentucky	3.84	3.96	4.07
Michigan	3.46	3.87	3.86
Minnesota	3.39	3.48	3.51
Missouri	3.63	3.77	3.86
Nebraska	3.49	3.64	3.68
North Carolina	4.31	4.30	4.63
North Dakota	3.16	3.40	3.28
Ohio	3.63	4.06	4.13
Pennsylvania	4.25	4.27	4.31
South Dakota	3.27	3.57	3.56
Tennessee	3.86	3.87	4.11
Texas	4.08	4.28	4.26
Wisconsin	3.38	3.52	3.56
United States	3.54	3.68	3.71

Prices Received for Sorghum Grain – States and United States: December 2019 with Comparisons

State	December 2018	November 2019	December 2019
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
Arkansas ¹	(D)	(NA)	(NA)
Kansas	5.61	5.55	5.52
Louisiana ¹	(D)	(NA)	(NA)
Missouri ¹	6.30	(NA)	(NA)
Nebraska	5.38	5.58	5.58
Oklahoma	5.99	6.00	5.93
Texas	6.08	6.28	6.47
United States	5.68	5.64	5.64

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

¹ Monthly estimates discontinued in September 2019.

Prices Received for Soybeans – States and United States: December 2019 with Comparisons

State	December 2018	November 2019	December 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Arkansas	9.00	9.00	8.90
Illinois	8.81	8.96	9.09
Indiana	8.94	8.94	9.18
Iowa	8.42	8.50	8.69
Kansas	7.98	8.24	8.30
Kentucky	8.76	9.06	9.11
Louisiana	9.05	8.85	8.89
Michigan	8.49	8.68	8.95
Minnesota	8.54	8.49	8.45
Mississippi	9.17	8.91	8.93
Missouri	8.60	8.76	8.88
Nebraska	8.18	8.17	8.35
North Carolina	8.65	8.57	8.79
North Dakota	8.06	8.00	7.97
Ohio	8.76	9.13	9.35
South Dakota	8.17	8.30	8.43
Tennessee	8.71	9.05	9.06
Wisconsin	8.51	8.39	8.48
United States	8.56	8.59	8.70

Prices Received for Dry Beans – States and United States: December 2019 with Comparisons

State	December 2018	November 2019	December 2019
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
California	63.00	53.30	(D)
Colorado	23.40	34.90	41.20
Idaho	22.90	23.90	(D)
Michigan	29.30	32.00	(D)
Minnesota	(D)	(D)	(D)
Nebraska	(D)	(D)	(D)
North Dakota	22.50	25.00	31.50
United States	24.70	28.80	32.00

(D) Withheld to avoid disclosing data for individual operations.

Prices Received for Peanuts (in shell) – States and United States: December 2019 with Comparisons

State	December 2018	November 2019	December 2019
	(dollars per pound)	(dollars per pound)	(dollars per pound)
Alabama	0.196	0.155	0.153
Arkansas	0.153	0.191	0.081
Florida	0.194	0.197	0.199
Georgia	0.204	0.181	0.192
Mississippi	0.074	0.184	0.064
New Mexico	0.229	0.511	(S)
North Carolina	0.216	0.224	0.239
Oklahoma	0.218	0.260	0.260
South Carolina	0.201	0.193	0.150
Texas	0.237	0.305	0.254
Virginia	0.230	0.206	(S)
United States	0.205	0.192	0.196

(S) Insufficient number of reports to establish an estimate.

Prices Received for Sunflower – States and United States: December 2019 with Comparisons

State	December 2018	November 2019	December 2019
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
Kansas	(D)	17.00	(D)
Minnesota	18.40	(D)	18.80
North Dakota	18.00	18.40	18.30
South Dakota	15.80	17.50	16.80
United States	16.90	17.90	17.60

(D) Withheld to avoid disclosing data for individual operations.

Prices Received for Canola – States and United States: December 2019 with Comparisons

State	December 2018	November 2019	December 2019
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
Minnesota	(D)	(D)	(D)
Montana	13.70	13.60	14.10
North Dakota	16.40	14.40	14.40
Oklahoma	(S)	(S)	(S)
United States	16.30	14.40	14.40

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Prices Received for Flaxseed – States and United States: December 2019 with Comparisons

State	December 2018	November 2019	December 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
North Dakota	9.87	8.68	8.91
United States	9.87	8.68	8.91

Prices Received for Upland Cotton and Cottonseed – States and United States: December 2019 with Comparisons

[Cottonseed marketing year August - February]

State	Cotton, Upland			Cottonseed		
	December 2018	November 2019	December 2019	December 2018	November 2019	December 2019
	(dollars per pound)	(dollars per pound)	(dollars per pound)	(dollars per ton)	(dollars per ton)	(dollars per ton)
Alabama	0.743	0.685	0.611	126.00	121.00	115.00
Arizona	(D)	(S)	(D)	237.00	223.00	263.00
Arkansas	0.707	0.599	0.613	(D)	176.00	180.00
California	(D)	(S)	(S)	(D)	319.00	295.00
Georgia	0.783	0.631	0.643	118.00	115.00	115.00
Louisiana	0.739	0.665	0.706	(D)	155.00	180.00
Mississippi	0.747	0.572	0.610	165.00	160.00	160.00
North Carolina	0.751	0.565	0.632	130.00	141.00	138.00
Tennessee	0.716	0.650	0.627	(D)	158.00	(D)
Texas	0.723	0.581	0.601	167.00	172.00	172.00
United States	0.726	0.597	0.615	161.00	163.00	164.00

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Prices Received and Marketings for Upland Cotton and Rice – United States: December 2019 with Comparisons

Item	December 2018	November 2019	December 2019
Cotton, Upland			
Average price dollars/pound	0.726	0.597	0.615
Marketings ¹ 1,000 bales	2,689	2,131	2,251
Rice, all			
Average price dollars/cwt	12.70	12.90	12.50
Marketings ² 1,000 cwt	17,045	12,242	17,971
Rice, long			
Average price dollars/cwt	10.80	11.60	11.70
Marketings ² 1,000 cwt	12,610	8,603	14,335
Rice, medium and short			
California			
Average price dollars/cwt	21.10	17.70	17.40
Other States ³			
Average price dollars/cwt	11.90	11.50	11.70
United States			
Average price dollars/cwt	18.10	16.00	15.70
Marketings ² 1,000 cwt	4,435	3,639	3,636

¹ Marketings based on a survey of cotton buyers in the major producing States - Alabama, Arizona, Arkansas, California, Georgia, Louisiana, Mississippi, North Carolina, Tennessee, and Texas.

² Purchases by private firms and rice (rough equivalent) shipped by cooperatives.

³ Other States include Arkansas, Louisiana, Mississippi, Missouri, and Texas.

Prices Received for Hay by Type – States and United States: December 2019 with Comparisons

State	All hay			Alfalfa hay			Other hay		
	December 2018	November 2019	December 2019	December 2018	November 2019	December 2019	December 2018	November 2019	December 2019
	(dollars per ton)								
Arizona	200.00	190.00	190.00	200.00	190.00	190.00	200.00	200.00	200.00
California	199.00	191.00	189.00	210.00	205.00	200.00	165.00	145.00	150.00
Colorado	235.00	235.00	229.00	235.00	235.00	230.00	235.00	230.00	220.00
Idaho	165.00	159.00	154.00	165.00	160.00	155.00	170.00	150.00	140.00
Illinois	153.00	165.00	168.00	170.00	180.00	185.00	125.00	125.00	130.00
Iowa	139.00	142.00	136.00	145.00	152.00	149.00	128.00	99.00	117.00
Kansas	152.00	115.00	124.00	172.00	127.00	138.00	95.00	92.00	99.00
Kentucky	163.00	141.00	143.00	220.00	205.00	205.00	150.00	125.00	125.00
Michigan	166.00	168.00	168.00	175.00	185.00	190.00	145.00	140.00	130.00
Minnesota	144.00	154.00	152.00	155.00	178.00	170.00	112.00	130.00	119.00
Missouri	121.00	118.00	123.00	160.00	150.00	155.00	110.00	110.00	115.00
Montana	142.00	142.00	145.00	145.00	140.00	145.00	130.00	150.00	145.00
Nebraska	104.00	99.00	108.00	115.00	106.00	114.00	78.00	84.00	94.00
Nevada	170.00	174.00	180.00	170.00	175.00	180.00	175.00	165.00	170.00
New Mexico	242.00	215.00	215.00	255.00	220.00	220.00	160.00	190.00	190.00
New York	153.00	184.00	177.00	185.00	209.00	200.00	152.00	175.00	165.00
North Dakota	89.00	86.00	84.00	91.00	88.00	87.00	76.00	62.00	66.00
Ohio	154.00	164.00	179.00	185.00	205.00	220.00	130.00	135.00	150.00
Oklahoma	109.00	99.00	92.00	190.00	155.00	165.00	104.00	87.00	87.00
Oregon	192.00	198.00	200.00	200.00	195.00	200.00	180.00	205.00	200.00
Pennsylvania	210.00	203.00	194.00	231.00	235.00	228.00	205.00	195.00	182.00
South Dakota	102.00	106.00	106.00	107.00	115.00	114.00	90.00	87.00	92.00
Texas	134.00	139.00	137.00	210.00	202.00	202.00	119.00	129.00	128.00
Utah	179.00	185.00	190.00	180.00	185.00	190.00	135.00	145.00	150.00
Washington	185.00	194.00	188.00	185.00	200.00	195.00	185.00	180.00	175.00
Wisconsin	178.00	217.00	229.00	186.00	226.00	242.00	155.00	182.00	182.00
Wyoming	168.00	181.00	171.00	175.00	185.00	180.00	145.00	160.00	150.00
United States	166.00	160.00	158.00	179.00	173.00	175.00	146.00	137.00	133.00

Prices Received for Premium and Supreme Alfalfa Hay – States and 5-State Total: December 2019

State	December 2018	November 2019	December 2019
	(dollars per ton)	(dollars per ton)	(dollars per ton)
California	(NA)	225.00	230.00
Idaho	(NA)	180.00	165.00
Michigan	(NA)	205.00	200.00
Minnesota	(NA)	268.00	251.00
New York	(NA)	245.00	235.00
Pennsylvania	(NA)	300.00	280.00
Texas	(NA)	225.00	225.00
Wisconsin	(NA)	294.00	275.00
5-State Total ^{1 2}	(NA)	209.00	200.00

(NA) Not available.

¹ 5-State total represents a weighted (hay purchases) average price for the five largest milk producing States (based on the pounds of milk produced during the previous month).

² For November 2019, includes California, Idaho, New York, Texas, and Wisconsin. For December 2019, includes California, Idaho, New York, Texas, and Wisconsin.

Prices Received for Citrus Fruits by Utilization – States and United States: December 2018

[Net pounds per box: grapefruit in California-80, Florida-85, Texas-80; lemons-80; oranges in California-80, Florida-90, Texas-85]

Commodity, State, and type	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
Grapefruit							
California	(D)	24.20	(D)	(S)	21.74	(D)	(S)
Florida, all	37.10	20.91	26.42	13.90	17.80	23.62	10.41
White	43.00	22.06	32.35	13.90	19.01	29.55	10.65
Red	36.20	20.69	25.55	13.90	17.57	22.75	10.35
Texas	38.40	15.01	26.80	(D)	13.47	25.19	(D)
United States	35.30	21.64	25.67	13.90	18.68	22.99	10.41
Lemons							
Arizona	(D)	(D)	(D)	(D)	(D)	(D)	(D)
California	48.40	33.41	38.17	(D)	26.96	31.52	(D)
United States	48.70	32.63	38.43	(D)	26.23	31.78	(D)
Oranges							
California, all	32.50	18.67	22.38	(D)	15.81	19.56	(D)
Navel and miscellaneous	32.50	18.67	22.38	(D)	15.81	19.56	(D)
Valencia	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Florida, all	30.80	11.80	19.45	11.50	8.60	16.05	8.30
Early and mids	30.80	11.80	19.45	11.50	8.60	16.05	8.30
Valencia	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Texas, all	31.40	12.81	19.80	(D)	11.05	17.97	(D)
Early and mids	31.40	12.81	19.80	(D)	11.05	17.97	(D)
Valencia	(S)	(S)	(S)	(S)	(S)	(S)	(S)
United States	32.30	13.58	22.04	10.87	10.46	19.15	7.68

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Prices Received for Citrus Fruits by Utilization – States and United States: November 2019

[Net pounds per box: grapefruit in California-80, Florida-85, Texas-80; lemons-80; oranges in California-80, Florida-90, Texas-85]

Commodity, State, and type	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
Grapefruit							
California	(D)	23.45	(D)	(S)	20.94	(D)	(S)
Florida, all	34.00	18.20	23.31	6.51	15.19	20.51	2.99
White	33.50	15.55	22.85	4.15	12.58	20.05	0.90
Red	34.00	18.45	23.35	6.80	15.43	20.55	3.25
Texas	34.40	16.13	22.80	(D)	14.57	21.19	(D)
United States	33.50	18.17	23.14	3.96	15.86	20.87	1.51
Lemons							
Arizona	(D)	(D)	(D)	(D)	(D)	(D)	(D)
California	51.20	35.65	40.77	(D)	29.06	33.99	(D)
United States	52.30	36.28	41.83	(D)	29.70	35.05	(D)
Oranges							
California, all	32.60	19.59	22.28	(D)	16.68	19.40	(D)
Navel and miscellaneous	32.60	19.59	22.28	(D)	16.68	19.40	(D)
Valencia	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Florida, all	28.50	12.26	17.15	(S)	8.94	13.75	(S)
Early and mids	28.50	12.26	17.15	(S)	8.94	13.75	(S)
Valencia	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Texas, all	27.20	12.89	15.60	(D)	11.09	13.77	(D)
Early and mids	27.20	12.89	15.60	(D)	11.09	13.77	(D)
Valencia	(S)	(S)	(S)	(S)	(S)	(S)	(S)
United States	31.90	18.08	21.35	(D)	15.18	18.47	(D)

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Prices Received for Citrus Fruits by Utilization – States and United States: December 2019

[Net pounds per box: grapefruit in California-80, Florida-85, Texas-80; lemons-80; oranges in California-80, Florida-90, Texas-85]

Commodity, State, and type	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
Grapefruit							
California	(D)	19.92	(D)	(D)	17.23	(D)	(D)
Florida, all	32.10	15.96	21.44	8.10	12.88	18.64	4.62
White	31.10	13.80	20.45	9.60	10.72	17.65	6.35
Red	32.20	16.35	21.55	7.65	13.27	18.75	4.10
Texas	34.50	12.92	22.90	(D)	11.38	21.29	(D)
United States	32.60	15.17	22.20	4.52	12.81	19.91	2.06
Lemons							
Arizona	(D)	(D)	(D)	(D)	(D)	(D)	(D)
California	45.80	29.64	35.37	(D)	23.12	28.59	(D)
United States	45.80	28.91	35.42	(D)	22.43	28.64	(D)
Oranges							
California, all	31.00	17.37	20.68	(D)	14.46	17.80	(D)
Navel and miscellaneous	31.00	17.37	20.68	(D)	14.46	17.80	(D)
Valencia	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Florida, all	25.70	11.72	14.35	11.60	8.51	10.95	8.40
Early and mids	25.70	11.72	14.35	11.60	8.51	10.95	8.40
Valencia	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Texas, all	24.90	10.17	13.30	(D)	8.39	11.47	(D)
Early and mids	24.90	10.17	13.30	(D)	8.39	11.47	(D)
Valencia	(S)	(S)	(S)	(S)	(S)	(S)	(S)
United States	30.10	13.30	19.63	10.77	10.20	16.75	7.59

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Prices Received for All Milk – States and United States: December 2019 with Comparisons

[Before deduction for hauling. Includes quality, quantity, and other premiums. Excludes hauling subsidies]

State	December 2018		November 2019		December 2019	
	Price	Fat test	Price	Fat test	Price	Fat test
	(dollars per cwt)	(percent)	(dollars per cwt)	(percent)	(dollars per cwt)	(percent)
Arizona	16.00	3.78	19.40	3.84	19.70	3.91
California	16.53	4.04	19.50	3.95	19.80	3.98
Colorado	17.10	3.89	20.30	3.99	20.60	3.96
Florida	20.10	3.71	23.10	3.76	23.80	3.74
Georgia ¹	17.60	3.77	21.50	3.81	21.90	3.83
Idaho	16.00	4.13	21.70	4.12	20.30	4.18
Illinois	16.70	4.03	21.60	4.10	21.20	4.07
Indiana	16.60	3.96	20.30	4.06	20.40	4.05
Iowa	16.50	4.06	22.90	4.20	22.50	4.10
Kansas	15.20	4.04	20.10	4.14	19.60	4.12
Michigan	15.60	3.95	19.20	3.98	19.40	3.95
Minnesota	16.20	4.12	23.20	4.24	22.00	4.17
New Mexico	14.70	3.87	19.90	4.02	19.80	4.00
New York	17.40	4.01	20.50	4.02	20.50	4.02
Ohio	17.20	4.07	20.70	4.04	21.00	4.06
Oregon	19.00	4.25	24.60	4.20	23.60	4.19
Pennsylvania	17.60	3.98	21.00	4.02	20.90	4.03
South Dakota	17.00	4.35	24.00	4.43	22.60	4.39
Texas	16.80	4.32	21.80	4.41	21.30	4.36
Utah	16.30	4.07	21.70	4.12	21.30	4.13
Vermont	17.80	4.06	20.90	4.04	20.80	4.01
Virginia	18.10	3.95	21.20	3.98	21.60	4.00
Washington	17.40	4.25	20.70	4.20	20.50	4.19
Wisconsin	16.20	4.01	22.40	4.04	21.30	3.98
United States	16.60	4.04	21.00	4.06	20.70	4.05

¹ Beginning in June 2019, Georgia was added to the monthly price program.

Prices Received for Milk Cows – States and United States: October 2020 with Comparisons

[Animals sold for dairy herd replacement only. Quarterly United States milk cow prices are based on revised milk cow inventory]

State	January 2019	October 2019	January 2020
	(dollars per head)	(dollars per head)	(dollars per head)
Arizona	1,250	1,450	1,450
California	1,100	1,400	1,400
Colorado	1,200	1,300	1,300
Florida	1,200	1,280	1,350
Georgia ¹	1,150	1,300	1,310
Idaho	1,250	1,350	1,350
Illinois	1,120	1,200	1,260
Indiana	1,050	1,250	1,220
Iowa	1,080	1,280	1,200
Kansas	1,300	1,300	1,400
Michigan	1,180	1,320	1,260
Minnesota	1,050	1,160	1,140
New Mexico	1,250	1,400	1,400
New York	1,040	1,260	1,190
Ohio	1,000	1,120	1,200
Oregon	1,350	1,350	1,300
Pennsylvania	1,050	1,190	1,210
South Dakota	1,120	1,250	1,280
Texas	1,300	1,350	1,400
Utah	1,100	1,250	1,250
Vermont	1,100	1,300	1,290
Virginia	970	1,120	1,160
Washington	1,200	1,350	1,250
Wisconsin	1,120	1,270	1,260
United States	1,140	1,310	1,300

¹ Beginning in June 2019, Georgia was added to the quarterly milk cow price program.

Parity Price Overview

Parity prices, based on data from January 2017, and adjusted base price data from which parity prices are computed are presented in the tables on the following pages. Parity prices are computed under the provisions of Title III, Subtitle A, Section 301(a) of the Agricultural Adjustment Act of 1938 as amended by the Agricultural Acts of 1948, 1949, 1954, and 1956.

The parity prices shown in this report are based on the provisions of the amended Act. Briefly, the actual method of computation is as follows:

- a. The average of prices received by farmers for individual commodities for the 10 preceding years is calculated (for 2017, the 10-average includes the years 2007-2016). An allowance for unredeemed loans and other supplemental payments resulting from price support programs, such as the deficiency payments for grains and cotton, is included for those commodities for which applicable.
- b. This 10-year average is divided by the average of the Index of Prices Received by Farmers for the same 10 preceding calendar years, adjusted to include an allowance for unredeemed loans and other supplemental price support operations, to give an "adjusted base price".
- c. Parity prices are computed by multiplying the "adjusted base prices" by the current Parity Index (the Index of Prices Paid by Farmers, including Interest, Taxes, and Wage Rates, 1910-1914=100).

Parity prices are calculated in terms of prices received by farmers in the local markets in which they ordinarily sell. This means that the parity prices apply to the average of all classes and grades of the commodity as sold by all farmers in the United States, except as otherwise specified. Fruits and vegetables for fresh use and for processing are usually considered separate commodities and separate parity prices are calculated. The Agricultural Marketing Agreement Act of 1937 provided for parity prices for certain commodities covered by a marketing agreement or order program. Under present legislation, United States parity prices, with appropriate adjustments where needed, may be used for the purpose of this Act.

Commodity Parity Prices and Price as Percent of Parity Price – United States: December 2019 with Comparisons

[Parity prices are computed under the provisions of Title III, Subtitle a, Section 301 (a) of the Agricultural Adjustment Act of 1938 as amended by the Agricultural Acts of 1948, 1949, and 1956. See February *Agricultural Prices* for details on adjusted base price and parity price computations. Parity data not available for blank cells. Primary source of data for livestock and milk prices is United States Department of Agriculture's Agricultural Marketing Service]

Commodity and unit	Adjusted base price	Parity price			Price as percent of parity			
		December 2018	November 2019	December 2019	December 2018	November 2019	December 2019	
	(dollars)	(dollars)	(dollars)	(dollars)	(percent)	(percent)	(percent)	
Basic commodities								
All wheat	bushel	0.571	17.70	17.10	17.10	30	26	27
Rice	cwt	1.34	40.20	40.00	40.10	32	32	31
Corn	bushel	0.438	13.30	13.10	13.10	27	28	28
Cotton								
Upland	pound	0.069	2.01	2.06	2.06	36	29	30
American Pima	pound	0.140	4.02	4.18	4.19	35	28	27
Peanuts	pound	0.023	0.680	0.687	0.688	30	28	28
Small chickpeas ¹	cwt	2.42	71.20	72.30	72.40	30	25	18
Large chickpeas ¹	cwt	3.26	97.20	97.40	97.50	21	16	18
Lentils ¹	cwt	2.55	78.30	76.20	76.30	21	20	19
Designated non-basic								
All milk, to plants ²	cwt	1.76	52.60	52.60	52.60	31	38	38
Honey, extracted ³	pound	0.186	5.17	5.56	5.56	42	39	39
Wool and mohair								
Wool	pound	0.140	3.90	4.18	4.19	38	42	42
Mohair	pound	0.425	12.00	12.70	12.70	41	41	41
Other non-basic								
Apples, fresh ⁴	pound	0.035	1.030	1.050	1.050	39	32	32
Barley	bushel	0.502	15.00	15.00	15.00	31	32	30
Canola	cwt	1.87	55.60	55.90	55.90	29	26	26
Cottonseed	ton	19.50	597.00	582.00	583.00	27	28	28
Dry edible beans	cwt	3.19	96.60	95.30	95.40	26	30	34
Flaxseed	bushel	1.09	34.00	32.60	32.60	29	27	27
Oats	bushel	0.288	8.63	8.60	8.61	31	34	37
Potatoes, fresh	cwt	1.07	32.80	32.00	32.00	29	43	43
Sorghum grain	cwt	0.742	22.50	22.20	22.20	25	25	25
Soybeans	bushel	1.09	32.80	32.60	32.60	26	26	27
Sunflower, all	cwt	2.10	64.40	62.70	62.80	26	29	28
Citrus (equivalent on-tree)								
Grapefruit	box	0.837	21.80	25.00	25.00	86	63	51
Lemons	box	1.87	55.30	55.90	55.90	47	53	40
Oranges	box	1.010	26.90	30.20	30.20	39	50	34
Livestock and poultry								
Beef cattle	cwt	11.70	337.00	349.00	350.00	35	32	34
Broilers	pound	0.052	1.51	1.55	1.56	34	26	29
Calves	cwt	17.00	488.00	508.00	508.00	34	31	31
Eggs ²	dozen	0.102	2.98	3.05	3.05	32	32	25
Hogs	cwt	5.69	167.00	170.00	170.00	26	28	28
Turkeys, live	pound	0.066	1.950	1.970	1.970	26	34	32

¹ Parity prices began January 2015.

² Seasonally adjusted price as percentage of parity price.

³ Wholesale extracted. Adjusted base price derived from state annual averages prices weighted by production. For 1982 through 1985 the national averages are the support prices.

⁴ Equivalent packinghouse-door returns for California, New York, Oregon, and Washington. Price at point of first sale for other states.

Commodity Parity Prices – United States: December 2019 with Comparisons

[Parity prices are computed under the provisions of Title III, Subtitle a, Section 301 (a) of the Agricultural Adjustment Act of 1938 as amended by the Agricultural Acts of 1948, 1949, and 1956. See February *Agricultural Prices* for details on adjusted base price and parity price computations]

Commodity and unit	Adjusted base price	Parity price		
		December 2018	November 2019	December 2019
	(dollars)	(dollars)	(dollars)	(dollars)
Field crops and miscellaneous				
Hops	0.406	11.60	12.10	12.10
Mustard seed	3.15	97.50	94.10	94.20
Rapeseed	2.64	80.10	78.90	79.00
Rye	0.628	18.50	18.80	18.80
Safflower	2.19	66.20	65.40	65.50
Spearmint oil	1.75	51.10	52.30	52.30
Sweet potatoes	2.06	60.30	61.50	61.60
Tobacco				
Flue-cured, 11-14	0.187	5.47	5.59	5.59
Fire-cured, 21-23	0.257	7.51	7.68	7.69
Burley, 31	0.184	5.35	5.50	5.50
Maryland, 32	0.173	5.05	5.17	5.17
Dark air-cured, 35-37	0.229	6.74	6.84	6.85
Pennsylvania seedleaf, 41	0.201	5.79	6.00	6.01
Non-citrus fruit				
Apples, processing ^{1 2}	20.30	597.00	606.00	607.00
Apricots				
Fresh ³	128.00	3,580.00	3,820.00	3,830.00
Dried (California)	313.00	9,250.00	9,350.00	9,360.00
Avocados ^{2 3}	198.00	5,910.00	5,910.00	5,920.00
Cherries				
Sweet	210.00	6,350.00	6,270.00	6,280.00
Tart ²	0.030	0.946	0.896	0.897
Cranberry ^{2 4}	3.55	114.00	106.00	106.00
Dates (California) ³	184.00	4,700.00	5,500.00	5,500.00
Grapes (California)				
Raisin variety ⁵	147.00	4,340.00	4,390.00	4,400.00
Wine, processing	75.90	2,120.00	2,270.00	2,270.00
Kiwifruit ²	105.00	3,100.00	3,140.00	3,140.00
Nectarines, fresh (California) ³	78.50	2,160.00	2,340.00	2,350.00
Olives, canning (California) ⁴	111.00	3,130.00	3,320.00	3,320.00

See footnote(s) at end of table.

--continued

Commodity Parity Prices – United States: December 2019 with Comparisons (continued)

[Parity prices are computed under the provisions of Title III, Subtitle a, Section 301 (a) of the Agricultural Adjustment Act of 1938 as amended by the Agricultural Acts of 1948, 1949, and 1956. See February *Agricultural Prices* for details on adjusted base price and parity price computations]

Commodity and unit	Adjusted base price	Parity price		
		December 2018	November 2019	December 2019
	(dollars)	(dollars)	(dollars)	(dollars)
Non-citrus fruit - continued				
Papayas (Hawaii) pound	0.045	1.24	1.34	1.35
Peaches				
Fresh ^{4 6} ton	103.00	2,880.00	3,080.00	3,080.00
Dried (California) ^{1 5} ton	43.30	1,280.00	1,290.00	1,300.00
Processing, excludes dried				
Clingstone (California) ⁴ ton	39.20	1,120.00	1,170.00	1,170.00
Pears, Fresh ⁶ ton	63.90	1,880.00	1,910.00	1,910.00
Plums (California) equivalent on-tree				
Fresh ⁷ ton	74.50	2,020.00	2,230.00	2,230.00
Prunes, dried (California) ^{1 2 5} ton	178.00	5,050.00	5,320.00	5,320.00
Strawberries				
Fresh ¹⁰ pound	9.82	284.00	293.00	294.00
Processing pound	3.74	107.00	112.00	112.00
Sugar crops				
Sugar beets ^{2 8} ton	5.10	151.00	152.00	153.00
Sugarcane ^{2 8} ton	3.50	103.00	105.00	105.00
Tree nuts ⁹				
Almonds pound	0.253	7.15	7.56	7.57
Hazelnuts ton	237.00	6,970.00	7,080.00	7,090.00
Pistachios pound	0.244	7.03	7.29	7.30
Walnuts ton	236.00	7,000.00	7,050.00	7,060.00
Vegetables, fresh ¹⁰				
Carrots ¹¹ cwt	2.82	82.40	84.20	84.30
Cauliflower ¹¹ cwt	4.66	136.00	139.00	139.00
Celery ¹¹ cwt	2.05	58.50	61.20	61.30
Honeydew melons cwt	2.04	59.70	60.90	61.00
Lettuce cwt	2.52	71.80	75.30	75.40
Onions ¹¹ cwt	1.41	41.70	42.10	42.20
Tomatoes cwt	4.01	120.00	120.00	120.00

¹ Equivalent returns at processing plant door.

² Adjusted base price is carried forward from the previous year since current marketing year average price is not yet available.

³ Equivalent returns at packinghouse door.

⁴ Equivalent returns for bulk fruit at first delivery point.

⁵ Dried basis.

⁶ Equivalent packinghouse-door returns for California, New York (apples only), Oregon (except peaches), and Washington. Price at point of first sale for other states.

⁷ Based on "as sold" prices for fresh fruit in all states.

⁸ Relates to prices including average conditional payments per ton made under the sugar acts of 1937 and 1948. Crop deficiency and abandonment payments not included.

⁹ Prices In-Shell basis except almonds which are shelled basis.

¹⁰ FOB shipping point price.

¹¹ Includes some processing.

Marketing Year for Specified Commodities

Rice:

United States	August 1 to July 31
Louisiana and Texas	July 1 to June 30
Arkansas and Mississippi	August 1 to July 31
California	October 1 to September 30
Missouri	September 1 to August 31

**Rice Market Year Average Prices Received by All and Length of Grain – States and United States:
Marketing Years 2016 through 2018**

State	2016 (dollars per cwt)	2017 (dollars per cwt)	2018 (dollars per cwt)
All rice			
Arkansas	9.39	11.10	10.70
California	14.30	20.30	21.30
Louisiana	10.20	11.70	11.20
Mississippi	9.55	11.50	10.80
Missouri	9.92	12.00	10.70
Texas	10.40	11.90	12.50
United States ¹	10.40	12.90	12.60
Long grain			
United States ¹	9.61	11.50	10.80
Medium and short grain			
California	14.10	20.10	21.10
Other States ¹	10.10	11.70	12.30
United States ¹	13.10	17.00	18.50

¹ Based on state prices weighted by marketings for August through July.

All Rice Prices Received and Farm Marketings by Month – United States: Marketing Years 2017-2018 through 2019-2020

[Marketing year average (MYA) prices are weighted average prices for the United States marketing year of August through July]

Month	Prices received			Farm marketings ¹		
	2017-2018	2018-2019 ²	2019-2020 ²	2017-2018	2018-2019 ²	2019-2020 ²
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
August	11.30	14.30	12.70	10,290	4,421	10,188
September	11.50	12.40	12.20	10,475	8,173	9,308
October	12.40	12.40	12.40	14,046	14,466	15,159
November	13.50	13.00	12.90	13,896	13,525	12,242
December	12.90	12.70	12.50	15,535	17,045	17,971
January ³	13.70	13.50		20,835	20,261	
February	12.70	12.40		13,342	12,434	
March	12.70	11.90		13,748	16,003	
April	13.10	12.00		13,167	15,419	
May	12.80	11.90		11,800	14,402	
June	13.10	12.20		9,066	12,634	
July	13.70	12.90		9,465	11,870	
MYA	12.90	12.60		155,665	160,653	

¹ Purchases from producers as reported by private firms and rice (rough equivalent) shipped from producers as reported by cooperative mills.

² Prices and marketings include late reports and revised data for October 2018 - November 2019. Final monthly prices, marketings, and MYA price will be published in the January 2021 *Agricultural Prices* report.

³ Second year.

Long Grain Rice Prices Received and Farm Marketings by Month – United States: Marketing Years 2017-2018 through 2019-2020

[Marketing year average (MYA) prices are weighted average prices for the United States marketing year of August through July]

Month	Prices received			Farm marketings ¹		
	2017-2018	2018-2019 ²	2019-2020 ²	2017-2018	2018-2019 ²	2019-2020 ²
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
August	10.60	11.90	10.80	8,505	2,993	7,905
September	11.00	11.30	11.10	8,508	6,769	7,842
October	11.00	10.90	11.40	10,147	11,545	11,749
November	11.20	10.90	11.60	9,372	9,506	8,603
December	11.40	10.80	11.70	11,431	12,610	14,335
January ³	11.60	10.90		13,668	14,015	
February	11.70	10.80		10,077	9,885	
March	11.70	10.70		11,028	13,240	
April	11.80	10.50		10,053	12,218	
May	11.80	10.50		9,695	11,869	
June	11.90	10.70		7,044	10,120	
July	11.80	10.70		6,572	8,829	
MYA	11.50	10.80		116,100	123,599	

¹ Purchases from producers as reported by private firms and rice (rough equivalent) shipped from producers as reported by cooperative mills.

² Prices and marketings include late reports and revised data for October 2018 - November 2019. Final monthly prices, marketings, and MYA price will be published in the January 2021 *Agricultural Prices* report.

³ Second year.

Medium and Short Grain Rice Prices Received and Farm Marketings by Month – United States: Marketing Years 2017-2018 through 2019-2020

[Marketing year average (MYA) prices are weighted average prices for the United States marketing year of August through July]

Month	Prices received			Farm marketings ¹		
	2017-2018	2018-2019 ²	2019-2020 ²	2017-2018	2018-2019 ²	2019-2020 ²
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
August	14.90	19.50	19.40	1,785	1,428	2,283
September	13.60	17.80	18.10	1,967	1,404	1,466
October	16.20	18.20	15.60	3,899	2,921	3,410
November	18.40	18.10	16.00	4,524	4,019	3,639
December	17.30	18.10	15.70	4,104	4,435	3,636
January ³	17.70	19.40		7,167	6,246	
February	16.00	18.50		3,265	2,549	
March	16.60	17.60		2,720	2,763	
April	17.40	17.30		3,114	3,201	
May	17.50	18.80		2,105	2,533	
June	17.30	18.30		2,022	2,514	
July	18.10	19.60		2,893	3,041	
MYA	17.00	18.50		39,565	37,054	

¹ Purchases from producers as reported by private firms and rice (rough equivalent) shipped from producers as reported by cooperative mills.

² Prices and marketings include late reports and revised data for October 2018 - November 2019. Final monthly prices, marketings, and MYA price will be published in the January 2021 *Agricultural Prices* report.

³ Second year.

Medium and Short Grain Rice Prices Received by Month – California and Other States: Marketing Years 2018-2019 through 2019-2020

[Marketing year for California: October - September. Marketing Year for Other States: August - July. Other States include Arkansas, Louisiana, Mississippi, Missouri, and Texas]

Month	California		Other States	
	2018-2019 ¹	2019-2020 ¹	2018-2019	2019-2020 ²
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
August	20.40	20.60	13.70	12.10
September	20.00	21.20	12.60	12.20
October	21.20	18.10	11.90	11.40
November	21.30	17.70	11.90	11.50
December	21.10	17.40	11.90	11.70
January ³	21.50		12.30	
February	21.20		12.40	
March	21.00		12.50	
April	20.80		12.40	
May	21.30		12.60	
June	20.80		12.70	
July	21.00		13.30	
August	20.60		12.10	
September	21.20		12.20	
MYA	21.10		12.30	

¹ Prices include late reports and revised data for October 2018 - November 2019.

² Prices include late reports and revised data for August 2019 - November 2019. Final monthly prices and MYA price will be published in the October 2020 *Agricultural Prices* report.

³ Second year.

Prices Received Indexes as a Percent of 2011 Base, Monthly and Annual Average – United States: 2015-2019

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Year	Agricultural production												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	98.0	100.1	102.9	104.2	107.9	105.7	100.4	102.8	98.2	89.5	92.5	90.1	99.2
2016 ...	89.4	93.2	93.2	93.2	94.8	93.7	90.6	89.7	86.4	80.6	83.4	88.1	90.2
2017 ...	86.0	91.1	94.3	96.2	99.7	98.2	95.5	94.1	92.5	87.8	91.4	91.9	93.5
2018 ...	86.0	90.9	94.9	92.8	94.7	95.1	91.7	89.7	88.4	85.2	88.5	90.2	90.6
2019 ...	85.2	89.3	91.9	92.9	91.9	92.5	89.9	90.6	87.0	84.7	88.8	89.5	89.7
Year	Crop production												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	83.7	86.2	87.4	90.3	91.9	90.5	88.1	89.0	88.2	80.5	83.0	84.5	87.0
2016 ...	80.8	85.7	83.9	87.5	91.1	88.7	84.9	84.9	84.1	79.5	80.7	81.5	85.5
2017 ...	77.3	85.1	86.0	91.7	90.0	87.1	86.8	88.8	89.9	82.8	81.9	84.6	86.5
2018 ...	78.6	86.8	87.9	88.3	89.0	90.3	86.9	89.7	88.1	80.2	84.2	87.7	86.3
2019 ...	77.3	83.6	85.7	84.6	83.9	87.8	86.7	87.4	86.7	81.2	82.6	83.3	84.5
Year	Grain and oilseed												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	74.4	72.7	72.2	71.2	69.0	69.0	70.7	68.8	67.6	67.4	64.8	66.1	69.8
2016 ...	66.0	64.7	64.3	65.5	67.9	67.8	62.6	60.8	61.9	65.6	62.5	63.8	64.0
2017 ...	65.2	65.7	65.8	64.3	63.4	62.5	64.8	63.8	64.4	65.5	61.7	63.1	65.5
2018 ...	64.8	66.4	68.4	69.6	69.5	67.8	65.7	65.4	65.0	64.8	62.3	64.6	65.4
2019 ...	64.9	65.5	65.0	63.6	63.3	67.0	67.2	65.6	64.9	66.9	64.6	65.6	65.5
Year	Food grain												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	90.2	84.0	82.4	80.8	78.8	74.7	71.3	67.7	69.0	72.3	73.7	71.7	75.5
2016 ...	73.8	70.2	68.2	68.0	68.9	60.4	53.3	54.0	55.7	59.5	62.5	60.9	59.3
2017 ...	63.0	63.4	65.7	63.7	62.4	61.5	65.4	67.5	68.2	71.0	75.6	70.8	71.1
2018 ...	74.1	75.3	76.8	79.2	79.7	72.9	69.8	75.2	73.6	75.9	78.3	76.9	74.2
2019 ...	78.0	77.6	75.1	73.4	71.6	67.5	63.2	62.4	64.2	69.6	71.7	71.9	67.5
Year	Feed grain												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	64.2	64.2	64.3	63.1	61.1	60.7	64.5	64.7	62.9	61.7	60.2	61.5	62.7
2016 ...	61.4	60.4	60.1	59.7	61.6	64.3	60.8	56.1	54.6	55.1	54.1	55.6	56.8
2017 ...	56.9	57.9	58.7	57.4	57.7	57.6	59.0	56.8	55.5	54.7	52.8	54.3	57.2
2018 ...	55.2	56.9	58.9	59.9	61.4	60.2	58.7	58.2	57.6	57.2	57.0	59.2	61.2
2019 ...	59.4	60.3	60.5	59.0	60.6	66.5	69.7	66.6	63.7	63.9	61.2	61.7	62.8
Year	Oilseed												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	82.2	79.4	79.0	77.8	77.3	77.2	80.2	77.7	72.4	70.4	69.3	70.0	76.0
2016 ...	69.7	68.4	68.8	72.3	77.9	81.1	80.8	78.5	74.9	74.3	75.2	76.6	75.4
2017 ...	77.4	78.5	77.3	74.7	74.3	72.8	75.4	74.3	75.2	73.5	73.6	74.4	75.3
2018 ...	74.5	76.3	79.0	79.2	79.2	76.8	73.3	70.1	70.6	68.9	67.1	68.6	67.9
2019 ...	69.4	68.9	68.6	66.9	65.3	67.5	67.8	67.2	67.0	68.9	68.7	69.6	68.7
Year	Fruit and tree nut												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	135.0	134.5	137.2	135.1	145.4	144.7	136.1	132.1	132.4	134.6	142.2	133.5	138.6
2016 ...	134.6	135.7	127.3	125.0	123.6	127.5	132.4	126.5	126.8	128.8	133.0	124.4	137.8
2017 ...	120.3	120.8	120.1	115.5	127.7	129.3	132.1	132.5	136.9	133.8	134.1	132.7	130.5
2018 ...	136.5	140.5	127.0	121.9	112.8	134.3	131.8	127.9	130.8	129.6	129.8	125.7	131.8
2019 ...	122.4	115.2	118.1	111.1	104.8	114.7	122.3	124.9	129.4	128.5	129.1	120.9	125.5

See footnote(s) at end of table.

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Prices Received Indexes as a Percent of 2011 Base, Monthly and Annual Average – United States: 2015-2019 (continued)

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Year	Vegetables & melons												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	110.5	83.2	91.3	101.3	98.6	107.6	103.9	106.2	113.4	109.6	131.3	139.6	108.8
2016 ...	134.2	104.2	97.2	98.7	113.1	108.0	104.3	88.8	89.7	88.8	95.5	95.5	103.9
2017 ...	101.1	119.0	124.8	158.7	112.4	108.7	103.0	96.0	106.0	119.1	108.2	113.2	113.7
2018 ...	101.4	96.3	117.1	94.9	104.1	99.4	88.3	93.1	90.7	97.5	142.9	152.4	107.2
2019 ...	117.9	123.3	144.4	115.4	105.7	127.5	119.6	104.8	101.1	122.7	141.1	132.5	122.0
Year	Other crop												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	80.1	79.3	82.7	84.9	89.0	90.0	88.9	84.0	88.4	82.4	78.4	79.7	84.3
2016 ...	76.7	75.1	74.9	76.6	77.9	79.5	81.3	82.1	82.0	79.7	78.2	79.2	80.1
2017 ...	77.6	75.4	76.3	78.6	80.6	82.6	84.2	83.2	86.8	84.7	81.8	83.5	83.3
2018 ...	83.0	79.8	80.8	82.8	87.2	91.6	92.7	92.6	96.3	91.9	89.3	90.5	90.3
2019 ...	84.4	84.6	85.9	87.6	91.0	93.6	92.5	86.3	92.8	85.8	81.1	81.8	84.5
Year	Food commodity												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	109.4	108.0	111.1	111.5	116.6	114.2	107.0	110.3	104.4	95.2	102.0	96.8	107.3
2016 ...	96.6	98.4	98.1	97.2	99.1	97.6	94.4	93.5	89.8	84.2	89.1	93.8	95.3
2017 ...	93.3	96.3	100.0	101.3	105.8	104.2	100.9	99.0	97.3	93.7	100.7	99.2	99.6
2018 ...	92.7	95.2	99.7	96.1	98.1	98.9	95.0	92.1	90.9	88.9	94.2	94.6	94.2
2019 ...	92.4	93.8	97.2	97.5	96.0	95.8	92.0	93.6	89.3	88.4	96.5	95.7	94.5
Year	Livestock production												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	120.2	113.9	117.2	116.5	121.9	121.0	115.2	117.2	109.4	104.3	105.4	97.2	113.4
2016 ...	99.6	99.0	99.8	97.2	97.4	97.7	96.0	93.7	88.4	82.1	86.2	94.5	94.4
2017 ...	96.5	95.9	100.5	99.5	106.7	107.1	103.9	98.5	94.9	94.2	101.8	99.3	99.9
2018 ...	94.4	93.9	99.5	95.7	98.3	98.5	95.6	89.7	88.7	91.4	92.7	92.4	94.1
2019 ...	97.2	94.7	97.5	100.1	98.8	97.0	93.5	93.7	87.3	90.3	97.0	97.0	95.5
Year	Meat animal												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	131.4	125.1	126.7	127.4	130.1	126.9	122.3	122.6	113.9	108.9	104.4	95.9	119.8
2016 ...	102.8	106.1	108.6	105.7	106.0	104.8	100.2	97.2	88.9	82.4	83.6	88.4	97.9
2017 ...	96.0	99.2	103.0	103.9	111.4	110.8	104.0	98.8	90.0	93.0	99.7	97.2	100.5
2018 ...	99.3	103.4	101.8	96.3	99.2	96.1	94.5	90.5	88.7	93.1	93.1	93.1	95.8
2019 ...	96.1	97.0	100.1	104.5	101.8	97.0	94.7	94.7	85.8	89.5	92.6	94.3	95.8
Year	Cattle												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	147.7	142.3	144.4	146.0	143.2	138.7	132.9	132.5	125.0	117.7	117.1	108.6	133.2
2016 ...	115.2	116.4	119.3	115.1	111.9	108.8	103.4	102.1	94.3	88.7	91.8	97.3	105.3
2017 ...	102.2	103.7	109.0	111.7	118.4	114.8	104.7	100.1	94.0	98.5	106.2	104.4	105.5
2018 ...	105.7	109.8	109.7	104.6	105.0	98.0	96.2	96.5	95.7	98.4	100.4	102.8	101.8
2019 ...	106.3	107.8	110.3	109.7	104.3	99.4	97.6	96.7	90.4	94.7	99.7	103.3	101.6
Year	Hog												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	86.3	75.8	75.6	73.7	88.6	90.1	88.3	88.7	82.0	83.5	69.0	64.4	80.5
2016 ...	65.6	74.6	75.2	76.7	86.0	91.1	89.3	79.1	71.9	62.7	58.6	64.8	74.6
2017 ...	72.3	81.8	79.7	72.8	80.6	93.4	101.2	92.5	73.5	71.1	75.2	73.1	80.6
2018 ...	78.9	82.1	75.2	68.1	77.4	88.9	88.1	66.6	65.0	75.6	69.5	65.3	75.1
2019 ...	67.1	65.3	69.9	89.3	93.7	89.5	85.1	88.0	71.7	73.8	72.2	71.1	78.1

See footnote(s) at end of table.

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Prices Received Indexes as a Percent of 2011 Base, Monthly and Annual Average – United States: 2015-2019 (continued)

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Year	Dairy												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	87.1	84.1	82.6	82.6	83.6	84.1	82.6	83.6	87.6	88.1	91.0	86.1	85.2
2016 ...	80.1	78.1	76.1	75.1	72.1	73.6	80.1	85.6	86.6	83.1	88.6	94.0	81.1
2017 ...	94.0	91.5	86.1	82.1	83.1	86.1	85.6	90.0	89.1	90.0	90.5	85.6	87.8
2018 ...	80.6	76.1	77.6	78.6	80.6	81.1	77.1	80.1	84.1	87.1	85.6	82.6	80.9
2019 ...	82.6	83.6	87.1	88.1	89.6	90.0	93.0	94.0	96.0	99.0	104.5	103.0	92.5

Year	Poultry												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	126.3	118.9	132.1	129.2	146.3	148.5	131.5	136.6	120.5	108.5	123.1	111.6	127.8
2016 ...	112.8	104.8	104.9	102.8	107.0	109.1	102.7	92.7	89.0	79.9	90.5	110.3	100.4
2017 ...	99.4	92.2	106.4	104.2	116.0	116.3	116.5	103.7	109.4	99.6	114.6	113.2	107.4
2018 ...	109.7	110.5	138.8	129.2	131.6	137.1	130.0	104.1	96.7	95.5	105.0	108.8	115.5
2019 ...	112.3	100.5	102.2	103.0	102.1	103.6	91.5	91.2	82.6	84.7	99.7	96.8	97.4

¹ Weighted index using monthly commodity market shares.

Prices Received Indexes as a Percent of 1910-1914 Base, Monthly and Annual Average – United States: 2015-2019

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Year	Agricultural production												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	1011	1033	1062	1075	1113	1091	1036	1061	1014	924	955	930	1024
2016 ...	923	961	962	962	979	967	935	926	892	832	861	910	931
2017 ...	887	940	974	993	1029	1013	986	971	955	906	944	949	964
2018 ...	888	938	979	958	977	982	946	925	912	880	913	931	935
2019 ...	879	921	949	958	949	954	927	935	898	874	916	923	925

Year	Crop production												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	730	752	762	788	802	789	769	776	769	702	723	737	759
2016 ...	705	747	732	763	794	773	741	740	734	693	704	711	746
2017 ...	674	742	750	800	785	759	757	774	784	722	714	738	755
2018 ...	686	757	766	770	776	788	758	782	768	699	734	765	753
2019 ...	674	729	747	738	732	766	756	763	756	708	721	726	737

Year	Livestock production												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	1396	1323	1361	1353	1416	1405	1337	1361	1270	1211	1224	1129	1317
2016 ...	1156	1149	1158	1129	1131	1134	1114	1088	1027	953	1001	1098	1096
2017 ...	1121	1114	1167	1155	1239	1244	1206	1144	1101	1094	1182	1153	1160
2018 ...	1096	1090	1156	1111	1141	1144	1110	1041	1030	1061	1076	1073	1093
2019 ...	1129	1100	1133	1162	1147	1126	1085	1088	1014	1048	1126	1126	1108

¹ Weighted index using monthly commodity market shares.

Reliability of Prices Received Estimates

Definition: Prices received represent sales from producers to first buyers. They include all grades and qualities. The average commodity price from the survey multiplied by the total quantity marketed theoretically should give the total cash receipts for the commodity.

Survey procedures: Primary sales data used to determine grain prices were obtained from probability samples of about 1,900 mills and elevators. These procedures ensure that virtually all grain moving into commercial channels has a chance of being included in the survey. Generally, States surveyed account for 90 percent or more of total United States production. Livestock prices are obtained from packers, stockyards, auctions, dealers, and market check data from AMS-USDA, private marketing organizations, and state commodity groups and agencies. Inter-farm sales of grain and livestock are not included since they represent very small percentages of the total sales. Grain marketed for seed is also excluded. Fruit and vegetable prices are obtained from sample surveys and market check data from AMS-USDA, private marketing organizations, state agencies, and universities.

Summary and estimation procedures: Survey quantities sold are expanded by strata to state levels and used to weight average strata prices to a state average. State prices are then weighted to a United States price based on expanded sales. Recommendations are prepared by the Regional Field Offices and reviewed by the Agricultural Statistics Board in Washington, D.C. State recommendations are reviewed for reasonableness with survey data, other States, and recent historic estimates.

Revisions: In general, revisions are made during annual commodity market year estimation time, following five-year Census revisions, or when later information is received. Revisions are published in monthly issues of *Agricultural Prices*.

Reliability: United States price estimates based on probability surveys generally have a sampling error of less than one percent for the major commodities such as corn, wheat, soybeans, cotton, and rice. Current methods of summarization for non-probability commodities are not designed directly to calculate sampling errors. However, analytical measures approximate the United States relative sampling errors at around five percent. Any non-sampling errors are attributed to such things as the inability to obtain correct information, differences in interpreting questions or definitions, mistakes in coding or processing the data, etc. Efforts are made at each step in the survey process to minimize these non-sampling errors.

Program Changes: After the Council on Food, Agricultural and Resource Economics (C-FARE) 2009 program review which included changes in farm production practices, plans were implemented to make necessary program improvements in the agricultural price program. The index group structure for prices received was modified to maintain a more universal structure and consistency with the required 1910-1914 series.

Modifications implemented January 2014 include the following: updated the current 1990-1992 base reference period to 2011; linked the 1910-1914 series to the updated base reference period, 2011; created index groups used universally by researchers, data users, and policymakers; and re-classified agricultural commodities into the index groups. Also the modifications expanded the commodity coverage for vegetable, melon, non-citrus, and tree nuts; updated monthly market weights; and adjusted (normalized) current five year moving average cash receipts and farm input cost weights.

Modifications implemented January 2015 discontinued preliminary prices and replaced the annual average index with an annual index.

The February 2016 program update changed the rounding of the 2011 base period indexes to nearest tenth of a percent. The 1910-1914 base period indexes remain rounded to the nearest whole number.

See Price Program Links at end of this report for program change details.

December Prices Paid by Farmers

The December Prices Paid Index for Commodities and Services, Interest, Taxes, and Farm Wage Rates (PPITW), at 110.5, is up 0.1 percent from November 2019 and up 0.4 percent from December 2018.

Production: The December index, at 106.7, is up 0.2 percent from November but 0.6 percent lower than last year. Higher prices for self-propelled machinery, feeder pigs, complete feeds, and concentrates more than offset lower prices for nitrogen, feeder cattle, LP gas, and other services.

Feed: At 102.3, the December index increased 0.3 percent from November and 1.4 percent from last December. Since November, higher prices for complete feeds, concentrates, and feed grains more than offset lower prices for hay and forages and supplements.

Livestock and poultry: The December index, at 102.6, increased 1.0 percent from November but decreased 3.1 percent from last year. Since November, higher prices for feeder pigs more than offset lower prices for feeder cattle. The December feeder cattle price, at \$143.00 per cwt, is unchanged from the November price. December feeder pigs averaged \$136.00 per cwt, up \$23.00 per cwt from November.

Fertilizer: The index for December, at 62.4, is down 1.6 percent from November and 10.2 percent from December a year ago. Since November, lower prices for nitrogen and potash and phosphate more than offset higher prices for mixed fertilizer.

Chemicals: The December index, at 97.7, is unchanged from November but down 4.1 percent from last December.

Fuels: At 68.1, the December index is down 1.6 percent from November and 1.4 percent from December 2018. Compared with November, prices are lower for LP gas, gasoline, and diesel.

Machinery: The index for December, at 128.1, increased 1.8 percent from November and 3.2 percent from last December. Compared with last month, prices are higher for self-propelled machinery and other machinery.

Consumer Price Index: The December 2019 Consumer Price Index for All Urban Consumers (CPI-U), as issued by the Bureau of Labor Statistics, increased 2.3 percent over the last 12 months to an index level of 256.974 (1982-1984=100). For the month, the index decreased 0.1 percent prior to seasonal adjustment.

Prices Paid Indexes and Related Parity Ratios – United States: December 2019 with Comparisons

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Index Group and Ratios	1910-1914 Base			2011 Base		
	December 2018	November 2019	December 2019	December 2018	November 2019	December 2019
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Prices paid by farmers for commodities, services, interest, taxes, and wage rates (PPITW)	2979	2987	2991	110.1	110.4	110.5
Production	2234	2216	2221	107.3	106.5	106.7
Feed	1112	1124	1127	100.9	102.0	102.3
Livestock and poultry	2091	2006	2025	105.9	101.6	102.6
Seeds	3885	3800	3800	118.2	115.6	115.6
Fertilizer	836	763	751	69.5	63.4	62.4
Chemicals	915	878	878	101.9	97.7	97.7
Fuels	1932	1937	1906	69.1	69.2	68.1
Supplies and repairs	1341	1356	1356	113.7	114.9	115.0
Autos and trucks	3235	3230	3244	105.2	105.1	105.5
Machinery	7581	7689	7828	124.1	125.8	128.1
Building materials	2730	2736	2742	117.3	117.6	117.9
Services and rent	2479	2495	2494	(NA)	(NA)	(NA)
Services	(NA)	(NA)	(NA)	114.9	116.1	116.0
Rent	(NA)	(NA)	(NA)	119.5	119.5	119.5
Interest ¹	4288	4422	4422	117.6	121.3	121.3
Taxes ²	6952	7119	7119	117.1	120.0	120.0
Wage rates	9260	9612	9612	129.3	134.2	134.2
Family living-CPI ³	2387	2443	2441	111.7	114.4	114.3
Production, interest, taxes, and wage rates (PITW)	3096	3094	3100	109.8	109.7	109.9
Ratio (received/paid)	(NA)	(NA)	(NA)	82	81	80
Parity ratio ⁴	31	31	31	(NA)	(NA)	(NA)
Parity ratio adjusted ⁵	32	32	32	(NA)	(NA)	(NA)
PPITW adjusted for productivity ⁶	1651	1699	1699	(NA)	(NA)	(NA)
Crop sector (PPITW)	(NA)	(NA)	(NA)	111.3	111.5	111.6
Livestock sector (PPITW)	(NA)	(NA)	(NA)	108.7	109.1	109.4
Farm sector (production)	(NA)	(NA)	(NA)	105.8	104.6	105.1
Non-farm sector (production)	(NA)	(NA)	(NA)	108.2	107.5	107.6

(NA) Not available.

¹ Interest per acre on farm real estate debt and interest rate on farm non-real estate debt.

² Farm real estate taxes payable per acre.

³ Bureau of Labor Statistics, Consumer Price Index for all urban consumers (CPI-U), converted by the USDA.

⁴ Ratio of index of prices received to PPITW (1910-1914=100).

⁵ Based on estimated cash receipts, from marketings and government payments, the preliminary adjustment factor is updated annually.

⁶ PPITW is adjusted based on productivity trend for the prior 15 years.

Prices Paid Indexes and Annual Weights for Input Components and Sub-components – United States: December 2019 with Comparisons

[Revised historical price indexes for months not shown are available at www.nass.usda.gov. Relative weights are a five year moving average]

Index Group	Relative weights		Indexes (2011=100)		
	2018	2019	December 2018	November 2019	December 2019
	(percent)	(percent)	(percent)	(percent)	(percent)
Production items	73.5	73.2	107.3	106.5	106.7
Feed	13.3	12.8	100.9	102.0	102.3
Feed grains	1.9	1.8	59.6	61.7	62.1
Complete feeds	6.5	6.3	104.9	108.0	108.3
Hay and forages	1.6	1.6	109.8	104.8	104.2
Concentrates	2.1	2.0	110.9	110.5	111.3
Supplements	1.2	1.1	115.8	116.2	115.8
Livestock and poultry	8.2	8.8	105.9	101.6	102.6
Feeder cattle	6.4	6.8	106.6	104.5	104.1
Feeder pigs	0.6	0.7	120.0	80.7	97.1
Milk cow replacements	0.7	0.7	86.6	92.3	92.3
Poultry	0.5	0.5	104.3	104.3	104.3
Seeds	5.3	5.4	118.2	115.6	115.6
Field crops	4.8	4.9	116.9	114.0	114.0
Grasses and legumes	0.5	0.5	131.0	131.8	131.8
Fertilizer	5.2	5.0	69.5	63.4	62.4
Mixed fertilizer	2.3	2.2	70.6	66.9	67.0
Nitrogen	2.2	2.1	69.3	64.2	62.2
Potash and phosphate	0.7	0.7	66.3	49.9	48.5
Chemicals	3.6	3.6	101.9	97.7	97.7
Herbicides	2.3	2.2	102.5	98.3	98.3
Insecticides	0.8	0.8	102.2	97.8	97.8
Fungicides and other	0.5	0.5	98.5	95.1	95.1
Fuels	2.4	2.8	69.1	69.2	68.1
Diesel	1.5	1.8	69.7	70.6	70.3
Gasoline	0.5	0.6	65.1	73.4	72.1
LP gas	0.4	0.5	71.6	59.0	55.2
Supplies and repairs	4.6	4.6	113.7	114.9	115.0
Supplies	1.6	1.5	113.5	115.9	116.2
Repairs	3.0	3.1	113.8	114.4	114.4
Autos and trucks	1.3	1.3	105.2	105.1	105.5
Autos	0.2	0.2	99.9	99.8	100.1
Trucks	1.1	1.1	106.0	105.9	106.4
Machinery	5.6	5.3	124.1	125.8	128.1
Tractors	1.2	1.2	111.0	109.3	109.3
Self-propelled	2.3	2.1	129.9	131.5	137.0
Other machinery	2.1	2.0	125.5	129.4	129.6
Building materials	4.0	4.1	117.3	117.6	117.9
Services	12.1	11.7	114.9	116.1	116.0
Custom rates	1.3	1.2	113.3	118.4	118.4
Other services	10.8	10.5	115.1	115.9	115.8
Rent	7.9	7.8	119.5	119.5	119.5
Cash	4.2	4.2	126.1	126.1	126.1
Share	3.7	3.6	111.8	111.8	111.8
Interest	2.4	2.6	117.6	121.3	121.3
Taxes	3.3	3.2	117.1	120.0	120.0
Wage rates	7.1	7.2	129.3	134.2	134.2
Family living-CPI	13.7	13.9	111.7	114.4	114.3

Feed Price Ratios – United States: December 2019 with Comparisons

Feed price ratio ¹	December 2018	November 2019	December 2019
Broiler-feed: pounds of broiler grower feed equal in value to 1 pound of broiler, live weight ²	5.3	4.1	4.5
Market egg feed: pounds of laying feed equal in value to 1 dozen eggs ³	11.8	13.2	8.3
Hog-corn: bushels of corn equal in value to 100 pounds of hog, live weight	12.3	13.0	12.7
Milk-feed: pounds of 16% mixed dairy feed equal in value to 1 pound of whole milk ⁴	2.07	2.61	2.55
Steer & heifer-corn: bushels of corn equal in value to 100 pounds of steer & heifers, live weight	33.6	31.3	32.3
Turkey-feed: pounds of turkey grower equal in value to 1 pound of turkey, live weight ⁵	5.5	7.5	6.9

¹ Effective January 1995, prices of commercial prepared feeds are based on current United States prices received for corn, soybeans, alfalfa hay, and all wheat.

² The price of commercial prepared broiler feed is based on current United States prices received for corn and soybeans. The modeled feed uses 58 percent corn and 42 percent soybeans.

³ The price of commercial prepared layer feed is based on current United States prices received for corn and soybeans. The modeled feed uses 75 percent corn and 25 percent soybeans.

⁴ The price of commercial prepared dairy feed is based on current United States prices received for corn, soybeans, and alfalfa. The modeled feed uses 51 percent corn, 8 percent soybeans, and 41 percent alfalfa.

⁵ The price of commercial prepared turkey feed is based on current United States prices received for corn, soybeans, and wheat. The modeled feed uses 51 percent corn, 28 percent soybeans, and 21 percent wheat.

Prices Received Used to Calculate Feed Price Ratios – United States: December 2019 with Comparisons

[Price data source for livestock and poultry commodities is United States Department of Agriculture's Agriculture Marketing Service]

Item	December 2018	November 2019	December 2019
	(dollars)	(dollars)	(dollars)
Broilers, live pound	0.510	0.403	0.450
Eggs, market dozen	0.980	1.12	0.714
Hogs, allcwt	43.40	48.00	47.30
Milk, allcwt	16.60	21.00	20.70
Steers and heiferscwt	119.00	115.00	120.00
Turkeys, live pound	0.498	0.671	0.624
Corn bushel	3.54	3.68	3.71
Hay, alfalfa ton	179.00	173.00	175.00
Soybeans bushel	8.56	8.59	8.70
Wheat, all bushel	5.28	4.39	4.64

Prices Paid for Feeder Livestock – United States: December 2019 with Comparisons

[Price data source is United States Department of Agriculture's Agriculture Marketing Service]

Item	December 2018	November 2019	December 2019
	(dollars)	(dollars)	(dollars)
Feeder cattle & calvescwt	146.00	143.00	143.00
Feeder pigscwt	168.00	113.00	136.00

Annual Average Prices Paid for Feeder Livestock – United States: 2014-2019

Item	2014	2015	2016	2017	2018	2019
	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)
Feeders and stockers						
Cattle and calves cwt	215.00	214.00	144.00	146.00	148.00	141.00
Feeder pigs cwt	254.00	135.00	126.00	141.00	132.00	150.00

Grazing Fee Rates for Cattle – States, Regions, and United States: 2018 and 2019

State	Survey average rates ¹					
	Animal unit ²		Cow-calf		Per head	
	2018	2019	2018	2019	2018	2019
	(dollars per month)	(dollars per month)	(dollars per month)	(dollars per month)	(dollars per month)	(dollars per month)
Arizona	10.00	9.50	(S)	(S)	(S)	(S)
California	22.40	21.40	29.00	25.00	21.00	18.50
Colorado	19.50	18.50	23.00	22.50	18.50	19.50
Idaho	18.00	18.00	22.50	21.00	19.00	19.00
Kansas	21.00	18.50	27.00	22.00	22.00	24.00
Montana	24.50	24.50	26.00	26.00	24.50	24.00
Nebraska	46.00	40.70	52.00	46.30	35.00	44.00
Nevada	9.50	10.00	(S)	(S)	15.20	12.00
New Mexico	16.00	16.00	(S)	(S)	16.50	16.50
North Dakota	24.50	18.00	32.00	21.00	19.00	20.00
Oklahoma	12.50	11.50	(S)	11.50	13.00	13.20
Oregon	17.50	18.50	21.00	21.50	21.50	19.50
South Dakota	31.50	29.50	40.50	36.50	34.00	35.00
Texas	12.50	12.50	(S)	16.00	14.50	15.50
Utah	17.00	18.00	19.00	20.00	18.50	18.50
Washington	14.50	14.50	16.50	17.50	16.00	17.00
Wyoming	22.00	22.50	24.00	24.50	23.00	23.00
17-State ³	21.30	19.90	25.20	23.30	21.00	22.30
16-State ⁴	24.00	22.20	28.40	25.60	23.00	24.50
11-State ⁵	19.70	19.60	22.80	22.40	20.50	19.90
9-State ⁶	21.70	19.90	25.70	23.50	21.00	23.00

(S) Insufficient number of reports to establish an estimate.

¹ The average rates are estimates based on survey indications of monthly lease rates for private, non-irrigated grazing land from the January Cattle Survey.

² Animal unit (AUM) rate includes survey rates for both animal unit and cow-calf. The rate is converted to an AUM rate using a multiplier factor of 0.833. The multiplier factor is the conversion of a 1,200 pound cow to a 1,000 pound cow.

³ 17 Western States: Arizona, California, Colorado, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington, and Wyoming.

⁴ 16 Western States: Arizona, California, Colorado, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Utah, Washington, and Wyoming.

⁵ 11 Western States: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

⁶ 9 Great Plains States: Colorado, Kansas, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, and Wyoming.

Prices Paid Indexes as a Percent of 2011 Base, Monthly and Annual Average – United States: 2015-2019

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Year	Commodities, services, interest, taxes, and wage rates (PPITW)												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	112.2	111.8	112.2	112.0	111.8	111.9	111.5	110.8	109.5	109.5	108.4	106.8	110.7
2016 ...	107.5	107.1	107.2	106.8	107.0	107.3	106.2	105.6	104.2	103.6	103.9	104.7	105.9
2017 ...	106.0	106.5	106.7	106.8	106.9	106.7	106.5	105.8	106.2	106.8	107.1	107.4	106.6
2018 ...	108.2	108.9	108.9	108.6	109.1	108.9	109.0	109.2	109.2	109.8	109.8	110.1	109.1
2019 ...	110.9	111.0	111.1	111.7	111.1	110.6	110.7	109.9	109.6	110.1	110.4	110.5	110.6
Year	Items used for production, interest, taxes, and wage rates (PITW)												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	113.6	113.0	113.4	113.1	112.7	112.9	112.4	111.6	110.1	110.1	108.8	107.0	111.6
2016 ...	107.8	107.3	107.4	106.9	107.0	107.3	106.1	105.3	103.8	103.0	103.4	104.3	105.8
2017 ...	105.7	106.2	106.4	106.5	106.6	106.4	106.2	105.3	105.6	106.4	106.7	107.1	106.3
2018 ...	107.9	108.6	108.6	108.2	108.6	108.4	108.5	108.7	108.7	109.3	109.5	109.8	108.7
2019 ...	110.7	110.8	110.8	111.3	110.7	110.0	110.2	109.2	108.9	109.4	109.7	109.9	110.1
Year	Items used for production												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	114.3	113.6	114.1	113.9	113.6	113.7	113.0	112.1	110.4	110.1	108.6	106.5	112.0
2016 ...	107.1	106.5	106.6	106.1	106.2	106.6	105.0	104.1	102.3	101.2	101.7	102.7	104.7
2017 ...	103.9	104.4	104.6	104.9	105.0	104.7	104.5	103.5	103.9	104.6	105.0	105.4	104.5
2018 ...	105.4	106.3	106.3	106.1	106.6	106.3	106.0	106.2	106.2	106.8	107.0	107.3	106.4
2019 ...	107.7	107.8	107.8	108.6	107.8	107.1	107.1	105.9	105.5	106.1	106.5	106.7	107.1
Year	Feed												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	109.4	108.7	108.5	106.3	104.5	105.1	107.3	107.4	105.9	105.0	103.0	101.5	106.1
2016 ...	100.9	100.4	100.5	100.4	104.8	109.3	106.5	102.6	99.3	97.5	96.8	98.0	101.4
2017 ...	96.3	97.3	97.2	96.6	95.9	94.5	95.0	93.5	92.7	93.2	92.3	93.4	94.8
2018 ...	94.2	97.9	99.2	101.2	103.5	102.1	100.9	101.3	98.9	99.0	99.1	100.9	99.9
2019 ...	101.8	102.1	102.7	103.1	103.2	104.2	103.5	102.4	101.7	102.0	102.0	102.3	102.6
Year	Livestock & poultry												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	160.5	151.9	156.6	159.3	158.9	159.3	152.2	147.4	135.6	137.5	129.9	116.0	147.1
2016 ...	119.8	119.4	120.8	115.5	109.4	104.7	99.7	101.1	93.4	87.7	93.0	97.5	105.2
2017 ...	102.0	101.2	103.3	105.4	108.1	108.3	107.7	102.9	106.0	111.7	113.8	113.9	107.0
2018 ...	112.9	113.9	110.3	104.6	103.1	101.5	100.6	100.6	103.8	107.4	105.1	105.9	105.8
2019 ...	106.0	104.9	105.7	111.5	104.9	97.2	98.0	95.2	95.0	99.4	101.6	102.6	101.8
Year	Seeds												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	124.7	124.7	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6
2016 ...	124.6	124.6	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	121.4
2017 ...	120.8	120.8	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.7	119.9
2018 ...	119.7	119.7	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.5
2019 ...	118.2	118.2	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	115.6	116.0
Year	Fertilizer												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	90.2	90.5	90.0	90.4	90.7	90.3	86.4	85.3	85.4	83.2	81.9	82.2	87.2
2016 ...	80.0	76.2	75.5	76.4	75.8	74.8	70.4	67.6	66.4	66.0	66.6	65.7	71.8
2017 ...	66.2	68.3	69.5	70.5	69.6	68.3	66.1	63.6	62.3	62.5	63.4	64.3	66.2
2018 ...	64.4	66.1	66.2	66.1	66.4	66.0	65.6	65.6	66.5	68.1	69.3	69.5	66.7
2019 ...	69.8	70.6	70.1	69.6	68.9	67.9	66.0	64.7	63.5	63.4	63.4	62.4	66.7
Year	Chemicals												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	99.3	106.4	106.3	106.5	106.5	106.7	107.4	107.6	107.7	108.1	107.8	108.2	106.5
2016 ...	108.5	108.6	108.8	108.8	108.9	109.0	110.1	108.2	106.2	106.3	104.9	104.1	107.7
2017 ...	102.6	108.7	108.8	107.6	103.3	104.5	101.7	100.8	101.5	100.8	102.7	105.2	104.0
2018 ...	103.3	103.2	106.9	103.7	101.9	101.3	97.9	98.6	94.4	93.1	102.2	101.9	100.7
2019 ...	103.4	102.9	102.3	102.1	102.1	103.8	105.3	97.9	95.2	95.9	97.7	97.7	100.5

See footnote(s) at end of table.

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Prices Paid Indexes as a Percent of 2011 Base, Monthly and Annual Average – United States: 2015-2019 (continued)

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Year	Fuels												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	66.8	67.6	68.7	67.1	67.9	66.1	65.4	60.9	60.0	59.7	57.7	53.7	63.5
2016 ...	49.6	47.5	51.7	53.3	57.6	59.2	57.4	55.4	57.1	59.5	58.0	61.2	55.6
2017 ...	64.7	64.3	60.9	61.9	60.7	58.2	58.3	61.4	66.9	66.4	68.2	66.7	63.2
2018 ...	66.8	65.4	63.4	67.0	71.5	72.1	73.4	74.7	77.5	78.3	73.5	69.1	71.1
2019 ...	67.0	68.4	71.4	73.1	72.8	68.6	68.8	66.0	66.9	68.0	69.2	68.1	69.0
Year	Supplies & repairs												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	106.4	106.3	106.3	106.0	105.9	105.9	105.5	105.5	105.4	105.4	105.5	105.5	105.8
2016 ...	105.7	105.5	105.5	105.6	105.4	105.4	105.9	106.5	106.4	106.7	106.8	106.8	106.0
2017 ...	106.7	106.7	106.7	107.5	107.7	107.9	108.3	108.3	108.4	108.6	108.6	108.8	107.9
2018 ...	109.1	109.1	109.3	110.4	110.9	111.2	112.0	112.9	113.3	113.7	113.6	113.7	111.6
2019 ...	114.2	114.2	114.3	114.4	114.5	114.5	115.1	115.0	115.0	114.9	114.9	115.0	114.7
Year	Autos & trucks												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	104.9	105.4	105.7	106.0	106.0	106.0	105.6	105.3	105.2	105.2	105.5	105.5	105.5
2016 ...	105.9	106.5	106.6	106.4	106.3	106.0	105.9	105.6	105.5	105.8	105.8	106.1	106.0
2017 ...	107.1	107.1	106.8	106.9	106.7	106.2	105.6	105.3	104.9	104.8	105.0	105.8	106.0
2018 ...	106.1	105.9	105.9	105.5	105.6	105.7	105.6	105.4	105.0	104.9	105.0	105.2	105.5
2019 ...	105.9	106.2	106.6	106.6	106.5	106.2	105.9	105.5	105.1	105.0	105.1	105.5	105.8
Year	Machinery												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	114.3	114.9	115.1	115.1	114.9	114.6	114.5	114.3	114.1	114.3	114.6	114.4	114.6
2016 ...	114.4	114.6	114.4	114.6	114.7	115.0	115.3	115.6	115.8	116.5	116.8	117.0	115.4
2017 ...	117.4	117.6	117.8	117.7	117.6	117.6	117.6	117.5	117.7	117.7	117.9	117.9	117.7
2018 ...	118.2	117.8	117.9	118.1	118.6	118.8	119.8	120.0	120.7	122.0	123.4	124.1	120.0
2019 ...	124.5	125.0	125.0	125.1	124.8	125.8	125.8	125.9	125.9	125.9	125.8	128.1	125.6
Year	Building materials												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	107.6	107.6	107.6	107.8	107.7	107.6	107.5	107.1	106.9	107.0	107.0	106.8	107.4
2016 ...	106.9	106.9	107.0	107.3	107.5	107.7	107.9	108.2	108.1	107.9	107.9	108.1	107.6
2017 ...	108.8	109.3	109.6	110.2	110.2	110.3	110.3	110.7	110.9	111.4	111.6	111.7	110.4
2018 ...	112.6	113.3	114.8	115.3	116.6	117.0	117.2	117.1	117.3	117.3	117.1	117.3	116.1
2019 ...	117.8	118.2	118.0	118.4	118.3	118.0	118.6	118.1	118.0	118.0	117.6	117.9	118.1
Year	Services ²												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	113.6	113.5	113.2	113.4	113.5	114.5	114.4	114.3	114.2	113.3	113.1	112.9	113.7
2016 ...	115.2	115.2	115.2	115.4	115.2	116.1	116.2	116.2	116.1	115.5	115.2	115.6	115.6
2017 ...	111.6	111.7	111.5	111.7	112.1	112.9	113.2	113.2	113.3	112.5	112.4	112.6	112.4
2018 ...	113.5	113.6	113.8	113.8	114.3	114.9	115.1	115.2	115.3	115.1	114.8	114.9	114.5
2019 ...	116.4	116.6	116.3	116.3	116.6	117.4	117.4	117.1	116.7	116.2	116.1	116.0	116.6
Year	Rent ²												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3	130.3
2016 ...	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8
2017 ...	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8	123.8
2018 ...	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5
2019 ...	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5
Year	Ratio (paid/received)												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	88	89	92	93	96	95	90	93	89	82	86	84	90
2016 ...	83	87	87	87	89	88	86	85	83	78	80	84	85
2017 ...	81	86	88	90	93	92	90	89	88	82	85	86	87
2018 ...	80	83	87	85	87	87	84	83	81	77	80	82	83
2019 ...	77	80	83	83	83	83	81	83	79	77	81	80	81

See footnote(s) at end of table.

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Prices Paid Indexes as a Percent of 2011 Base, Monthly and Annual Average – United States: 2015-2019 (continued)

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Year	Interest												Annual ¹	
	January	February	March	April	May	June	July	August	September	October	November	December		
2015 ...	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
2016 ...	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9	103.9
2017 ...	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9
2018 ...	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6
2019 ...	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3	121.3
Year	Taxes												Annual ¹	
	January	February	March	April	May	June	July	August	September	October	November	December		
2015 ...	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9	109.9
2016 ...	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7
2017 ...	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3	116.3
2018 ...	117.1	117.1	117.1	117.1	117.1	117.1	117.1	117.1	117.1	117.1	117.1	117.1	117.1	117.1
2019 ...	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
Year	Wage rates												Annual ¹	
	January	February	March	April	May	June	July	August	September	October	November	December		
2015 ...	112.0	112.0	112.0	109.7	109.7	109.7	111.4	111.4	111.4	114.6	114.6	114.6	114.6	111.9
2016 ...	114.7	114.7	114.7	113.9	113.9	113.9	116.4	116.4	116.4	118.4	118.4	118.4	118.4	115.9
2017 ...	120.0	120.0	120.0	118.2	118.2	118.2	118.2	118.2	118.2	119.9	119.9	119.9	119.9	119.1
2018 ...	125.8	125.8	125.8	122.6	122.6	122.6	127.6	127.6	127.6	129.3	129.3	129.3	129.3	126.3
2019 ...	133.7	133.7	133.7	131.5	131.5	131.5	133.2	133.2	133.2	134.2	134.2	134.2	134.2	133.2
Year	Family living												Annual ¹	
	January	February	March	April	May	June	July	August	September	October	November	December		
2015 ...	103.9	104.4	105.0	105.2	105.7	106.1	106.1	106.0	105.8	105.8	105.5	105.2	105.4	105.4
2016 ...	105.3	105.4	105.9	106.4	106.8	107.2	107.0	107.1	107.3	107.5	107.3	107.4	106.7	106.7
2017 ...	108.0	108.3	108.4	108.7	108.8	108.9	108.8	109.2	109.7	109.7	109.7	109.6	109.0	109.0
2018 ...	110.2	110.7	111.0	111.4	111.9	112.0	112.1	112.1	112.2	112.4	112.1	111.7	111.7	111.7
2019 ...	111.9	112.4	113.0	113.6	113.9	113.9	114.1	114.1	114.2	114.4	114.4	114.3	113.7	113.7
Year	Production items with farm origin ³												Annual ¹	
	January	February	March	April	May	June	July	August	September	October	November	December		
2015 ...	126.8	123.9	125.2	124.7	123.6	124.1	123.2	121.9	117.7	117.8	114.5	109.7	121.1	121.1
2016 ...	111.5	111.1	111.0	109.1	109.0	109.6	106.5	105.1	100.8	97.9	99.4	101.6	106.1	106.1
2017 ...	102.6	102.8	103.4	103.8	104.5	103.9	103.9	101.5	102.2	104.5	104.8	105.4	103.6	103.6
2018 ...	104.9	107.1	106.3	105.6	106.3	105.1	104.2	104.4	104.2	105.3	104.7	105.8	105.3	105.3
2019 ...	106.4	106.3	106.3	108.4	106.2	104.2	104.1	102.7	102.3	103.9	104.6	105.1	105.0	105.0
Year	Production items with non-farm origin ⁴												Annual ¹	
	January	February	March	April	May	June	July	August	September	October	November	December		
2015 ...	106.5	107.2	107.1	107.1	107.2	107.2	106.5	105.9	105.8	105.3	104.9	104.6	106.3	106.3
2016 ...	104.2	103.5	103.7	104.1	104.3	104.6	104.1	103.5	103.3	103.4	103.2	103.5	103.8	103.8
2017 ...	104.6	105.4	105.4	105.7	105.3	105.3	104.9	104.7	104.9	104.7	105.1	105.4	105.1	105.1
2018 ...	105.7	105.9	106.3	106.3	106.8	107.0	107.0	107.3	107.3	107.6	108.3	108.2	107.0	107.0
2019 ...	108.4	108.7	108.7	108.8	108.7	108.8	108.8	107.8	107.4	107.4	107.5	107.6	108.2	108.2
Year	Crop sector (PPITW)												Annual ¹	
	January	February	March	April	May	June	July	August	September	October	November	December		
2015 ...	109.4	109.8	109.9	109.7	109.8	109.8	109.5	109.0	108.6	108.6	108.1	107.6	109.2	109.2
2016 ...	107.6	107.1	107.0	107.1	107.2	107.3	106.9	106.5	106.1	106.2	106.1	106.4	106.8	106.8
2017 ...	107.8	108.4	108.4	108.5	108.2	108.2	107.9	107.6	107.8	108.0	108.3	108.5	108.1	108.1
2018 ...	109.5	109.7	109.8	109.5	109.8	109.9	110.3	110.4	110.4	110.8	111.3	111.3	110.2	110.2
2019 ...	112.2	112.4	112.2	112.2	112.1	112.1	112.3	111.5	111.2	111.4	111.5	111.6	111.9	111.9
Year	Livestock Sector (PPITW)												Annual ¹	
	January	February	March	April	May	June	July	August	September	October	November	December		
2015 ...	115.3	114.0	114.7	114.4	113.9	114.2	113.7	112.8	110.5	110.6	108.7	105.9	112.4	112.4
2016 ...	107.4	107.1	107.5	106.6	106.8	107.3	105.5	104.6	102.3	100.8	101.6	102.9	105.0	105.0
2017 ...	104.2	104.4	104.8	105.1	105.4	105.1	105.1	103.9	104.4	105.7	105.9	106.3	105.0	105.0
2018 ...	106.8	108.0	107.9	107.6	108.2	107.7	107.6	107.8	107.7	108.5	108.2	108.7	107.9	107.9
2019 ...	109.5	109.6	110.0	111.1	110.0	108.9	109.0	108.1	107.8	108.7	109.1	109.4	109.3	109.3

¹ Weighted index using 5-year average production expenditures

² For the 2011=100 base period, the Services & Rent Index is separated.

³ Feed, livestock & poultry purchases, and seed.

⁴ Fertilizer, agricultural chemicals, fuels, supplies & repairs, autos & trucks, machinery, building materials, and services & rent.

Prices Paid Index Sub-Components as a Percent of 2011 Base, Monthly and Annual Average – United States: 2015-2019

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Year	Feed grains												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	65.8	66.3	66.4	65.4	63.5	63.2	65.7	64.4	63.7	62.4	60.7	61.6	64.1
2016 ...	61.2	60.2	60.1	59.5	61.7	64.3	60.7	54.5	53.7	54.8	54.1	55.5	58.4
2017 ...	56.6	57.5	58.0	57.1	58.0	58.0	59.8	56.2	55.8	55.3	53.9	55.1	56.8
2018 ...	56.5	57.8	59.5	60.7	62.2	62.0	59.9	57.9	58.1	57.8	57.7	59.6	59.1
2019 ...	59.9	60.7	60.9	59.4	61.2	67.0	70.0	65.3	63.5	63.9	61.7	62.1	63.0
Year	Complete feeds												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	119.0	117.2	116.3	115.2	113.6	112.3	113.9	115.4	114.5	113.5	112.2	111.2	114.5
2016 ...	110.7	110.5	110.4	109.4	110.8	114.8	114.6	112.7	109.5	107.3	105.7	104.9	110.1
2017 ...	104.3	104.5	104.5	103.9	103.1	102.4	102.2	101.5	100.9	101.0	100.8	102.1	102.6
2018 ...	103.7	105.0	105.6	106.1	107.9	107.9	106.0	106.1	104.4	103.7	104.0	104.9	105.4
2019 ...	106.2	106.0	106.3	106.6	105.9	107.0	107.8	107.9	107.8	108.0	108.0	108.3	107.2
Year	Hay & forages												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	98.9	100.7	104.3	106.4	106.8	101.4	99.0	91.9	92.8	93.3	91.5	92.2	98.3
2016 ...	89.3	89.5	89.3	94.2	89.2	86.1	84.1	85.4	84.1	85.3	84.2	82.2	86.9
2017 ...	82.1	83.5	87.8	94.7	94.6	93.3	92.3	89.6	89.0	91.9	90.6	90.9	90.0
2018 ...	93.2	93.9	97.8	104.1	106.9	103.8	104.0	104.9	106.2	105.8	106.0	109.8	103.0
2019 ...	111.0	112.4	114.8	120.3	120.5	114.7	108.0	103.7	102.1	103.4	104.8	104.2	110.0
Year	Concentrates												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	122.2	120.8	120.6	112.0	109.2	118.8	127.9	127.8	120.7	118.8	112.2	105.2	118.0
2016 ...	106.3	104.6	106.8	106.5	131.7	147.2	136.0	122.7	114.8	108.7	109.7	119.8	117.9
2017 ...	108.1	113.5	109.5	103.1	102.5	96.6	99.2	98.4	96.3	96.2	93.1	93.7	100.9
2018 ...	89.8	107.4	109.0	113.9	118.9	115.0	115.0	117.4	106.3	109.9	108.7	110.9	110.2
2019 ...	111.6	113.1	113.8	113.3	112.8	114.3	110.8	112.3	110.7	110.9	110.5	111.3	112.1
Year	Supplements												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	119.6	119.7	118.1	112.8	108.9	113.5	112.9	118.0	119.2	119.3	120.6	119.9	116.9
2016 ...	118.9	118.8	116.1	115.4	115.2	117.4	114.6	113.9	111.1	110.4	111.8	113.0	114.7
2017 ...	115.9	112.3	112.7	111.6	108.2	108.1	108.8	107.3	106.3	108.3	108.9	111.6	110.0
2018 ...	112.4	113.1	112.7	113.2	113.7	110.0	109.5	112.3	111.3	110.9	112.5	115.8	112.3
2019 ...	114.6	114.3	114.3	112.6	114.8	115.8	114.6	113.2	113.1	112.8	116.2	115.8	114.3
Year	Feeder Cattle												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	168.9	159.7	165.9	170.4	170.1	173.5	165.6	159.9	143.7	145.5	136.0	117.2	156.4
2016 ...	120.0	118.0	119.3	112.9	107.2	103.7	100.5	103.6	93.8	88.2	92.9	95.9	104.7
2017 ...	98.2	96.2	98.4	103.7	108.4	109.2	108.4	104.4	108.7	114.7	115.5	112.6	106.5
2018 ...	110.8	111.6	108.0	104.2	103.9	104.8	106.6	107.7	110.4	113.4	109.7	106.6	108.1
2019 ...	106.8	105.8	105.8	108.9	102.8	97.4	99.7	98.5	97.8	102.2	104.5	104.1	102.9
Year	Feeder pigs												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	142.9	125.0	122.9	115.0	112.1	84.3	67.9	62.9	73.6	83.6	80.7	90.0	96.7
2016 ...	119.3	134.3	139.3	134.3	114.3	90.0	65.0	52.1	51.4	38.6	57.9	85.7	90.2
2017 ...	119.3	128.6	133.6	106.4	95.0	90.0	90.7	70.7	66.4	80.7	100.0	129.3	100.9
2018 ...	145.7	150.0	140.7	117.9	102.1	72.9	47.9	35.7	50.0	71.4	79.3	120.0	94.5
2019 ...	125.0	121.4	132.1	173.6	150.7	106.4	87.9	65.0	69.3	75.7	80.7	97.1	107.1
Year	Milk cow replacements												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	140.1	140.1	140.1	138.7	138.7	138.7	143.0	143.0	143.0	139.4	139.4	139.4	140.3
2016 ...	128.9	128.9	128.9	128.9	128.9	128.9	121.8	121.8	121.8	119.0	119.0	119.0	124.7
2017 ...	114.1	114.1	114.1	115.5	115.5	115.5	114.1	114.1	114.1	113.4	113.4	113.4	114.3
2018 ...	107.0	107.0	107.0	95.8	95.8	95.8	93.0	93.0	93.0	86.6	86.6	86.6	95.6
2019 ...	80.3	80.3	80.3	80.3	80.3	80.3	86.6	86.6	86.6	92.3	92.3	92.3	84.9

See footnote(s) at end of table.

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Prices Paid Index Sub-Components as a Percent of 2011 Base, Monthly and Annual Average – United States: 2015-2019 (continued)

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Year	Poultry												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9
2016 ...	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6	105.6
2017 ...	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9	111.9
2018 ...	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3
2019 ...	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3	104.3
Year	Field crop seeds												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	125.0	125.0	125.1	125.1	125.1	125.1	125.1	125.1	125.1	125.1	125.1	125.1	125.1
2016 ...	125.1	125.1	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	121.2
2017 ...	120.4	120.4	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.2	119.4
2018 ...	119.2	119.2	116.9	116.9	116.9	116.9	116.9	116.9	116.9	116.9	116.9	116.9	117.3
2019 ...	116.9	116.9	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.5
Year	Grass & legume seeds												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	122.5	122.5	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	120.3
2016 ...	119.9	119.9	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	123.3
2017 ...	124.0	124.0	125.1	125.1	125.1	125.1	125.1	125.1	125.1	125.1	125.1	125.1	124.9
2018 ...	125.1	125.1	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	131.0	130.0
2019 ...	131.0	131.0	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.7
Year	Mixed fertilizer												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	86.1	85.8	86.2	85.6	86.1	85.7	84.4	84.2	83.8	82.3	81.7	80.7	84.4
2016 ...	77.8	75.8	74.8	74.7	75.0	74.3	71.3	70.3	69.2	68.3	68.9	67.4	72.3
2017 ...	67.5	67.8	67.1	67.6	67.1	65.9	66.1	66.6	65.9	65.8	65.4	65.5	66.5
2018 ...	65.5	66.0	66.4	66.3	67.7	67.4	68.1	68.2	69.1	69.8	70.7	70.6	68.0
2019 ...	71.8	71.4	71.1	71.6	70.5	70.4	68.6	68.2	67.9	67.4	66.9	67.0	69.4
Year	Nitrogen												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	96.1	96.0	94.2	95.3	96.3	95.6	90.0	87.6	88.3	85.0	83.2	85.6	91.1
2016 ...	83.5	78.1	77.0	78.7	77.2	75.8	70.4	65.1	63.3	63.0	63.7	63.8	71.6
2017 ...	64.4	69.1	72.0	73.5	72.1	71.1	67.1	61.3	59.3	60.1	62.8	65.1	66.5
2018 ...	64.8	67.9	67.6	67.5	66.8	65.8	63.9	64.0	64.6	67.1	68.8	69.3	66.5
2019 ...	69.2	71.6	70.8	70.2	69.9	68.3	66.9	64.3	62.3	63.3	64.2	62.2	66.9
Year	Potash & phosphate												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	85.5	88.9	89.5	90.7	88.7	88.8	82.0	82.1	82.1	80.7	78.6	77.0	84.6
2016 ...	76.5	71.8	73.0	74.4	73.9	73.5	67.2	66.8	67.1	67.8	67.7	66.2	70.5
2017 ...	67.2	67.5	69.4	70.7	69.8	67.1	63.4	61.1	60.4	59.3	59.1	58.3	64.4
2018 ...	59.7	61.1	61.6	61.6	61.3	62.1	63.0	62.3	64.2	65.8	66.1	66.3	62.9
2019 ...	65.6	64.9	65.1	61.7	60.8	59.0	55.2	55.1	53.7	50.9	49.9	48.5	57.5
Year	Herbicides												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	99.6	106.7	106.7	107.0	107.1	107.4	108.3	108.6	108.9	109.4	109.2	109.7	107.4
2016 ...	110.2	110.4	110.7	110.8	110.9	111.1	112.2	110.3	108.3	108.4	107.0	106.3	109.7
2017 ...	104.9	111.1	111.3	110.1	105.7	106.9	104.0	103.1	103.8	103.0	105.0	107.5	106.4
2018 ...	105.5	105.4	109.2	104.4	102.6	102.0	98.5	99.2	95.0	93.7	102.8	102.5	101.7
2019 ...	104.0	103.5	102.9	102.6	102.7	104.4	105.9	98.4	95.7	96.5	98.3	98.3	101.1
Year	Insecticides												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	100.4	107.3	107.0	107.2	107.1	107.3	107.9	108.1	108.2	108.5	108.2	108.6	107.2
2016 ...	108.9	108.9	109.1	109.0	109.0	109.1	110.1	108.0	105.9	105.9	104.4	103.6	107.7
2017 ...	102.1	108.1	108.1	106.8	102.5	103.6	100.7	99.8	100.4	99.6	101.5	103.8	103.1
2018 ...	101.8	101.7	105.2	104.9	103.0	102.3	98.7	99.3	95.1	93.6	102.7	102.2	100.9
2019 ...	103.7	103.1	102.3	102.1	102.2	103.9	105.4	97.9	95.2	96.0	97.8	97.8	100.6

See footnote(s) at end of table.

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Prices Paid Index Sub-Components as a Percent of 2011 Base, Monthly and Annual Average – United States: 2015-2019 (continued)

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Year	Fungicides & other												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	96.1	103.2	103.4	103.0	102.6	102.2	102.4	102.1	101.8	101.6	100.9	100.7	101.7
2016 ...	100.6	100.2	99.9	99.8	99.8	99.9	100.8	99.0	97.0	97.1	95.7	94.9	98.7
2017 ...	93.6	99.1	99.1	97.6	93.9	95.2	92.8	92.2	93.0	92.5	94.6	97.0	95.1
2018 ...	95.5	95.6	99.3	98.7	97.2	96.8	93.7	94.5	90.8	89.7	98.6	98.5	95.7
2019 ...	100.2	100.0	99.5	99.3	99.4	101.1	102.5	95.3	92.6	93.4	95.1	95.1	97.8
Year	Diesel												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	68.7	65.0	65.4	62.8	65.2	64.8	62.9	58.5	56.5	56.8	55.6	52.1	61.2
2016 ...	48.3	45.0	47.1	48.4	52.1	54.5	54.0	52.8	53.7	55.0	54.7	56.2	51.8
2017 ...	57.8	57.5	57.1	57.3	56.4	54.9	54.1	55.8	59.4	59.2	61.1	60.6	57.6
2018 ...	62.4	62.4	60.7	63.6	67.0	68.3	68.6	69.0	70.7	73.6	73.0	69.7	67.4
2019 ...	67.2	68.3	70.8	71.8	72.7	71.1	70.0	69.1	69.4	70.2	70.6	70.3	70.1
Year	Gasoline												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	61.2	62.7	68.2	68.3	74.8	76.9	76.6	72.4	65.3	63.2	59.7	56.6	67.2
2016 ...	54.2	49.2	54.4	58.2	62.2	64.7	61.4	59.8	60.9	61.7	60.0	61.8	59.0
2017 ...	64.2	63.0	63.5	65.5	64.5	63.0	61.4	63.1	69.4	65.5	66.5	64.0	64.5
2018 ...	65.4	65.9	65.5	70.2	73.8	74.1	73.8	74.2	75.0	76.5	71.8	65.1	70.9
2019 ...	62.5	64.6	70.7	78.5	80.3	76.4	77.0	73.8	73.1	74.3	73.4	72.1	73.1
Year	LP Gas												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	66.8	82.9	81.2	81.5	69.6	57.3	60.4	55.1	66.6	66.1	62.9	56.4	67.2
2016 ...	48.9	54.4	65.3	65.0	72.2	69.7	64.6	59.7	64.6	73.5	67.7	78.7	65.4
2017 ...	91.0	91.3	71.6	74.2	71.7	64.8	69.6	79.9	91.6	94.4	96.8	92.4	82.4
2018 ...	85.0	76.1	70.9	75.4	85.7	83.8	91.0	96.2	106.2	98.0	77.5	71.6	84.8
2019 ...	71.5	73.5	74.4	71.3	64.1	49.8	54.1	45.0	49.8	51.7	59.0	55.2	60.0
Year	Supplies												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	106.3	106.2	106.1	106.3	106.3	106.1	105.9	106.0	106.1	106.0	105.9	106.0	106.1
2016 ...	106.2	106.1	106.2	106.2	106.3	106.2	106.2	106.3	106.4	106.5	106.5	106.5	106.3
2017 ...	106.6	106.7	106.9	107.0	107.2	107.6	107.8	107.9	108.1	108.1	108.3	108.8	107.6
2018 ...	109.3	109.5	109.9	110.5	110.7	111.2	111.7	112.6	113.3	113.5	113.3	113.5	111.6
2019 ...	114.6	114.8	114.8	114.8	115.3	115.8	116.1	116.1	115.9	115.9	115.9	116.2	115.5
Year	Repairs												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	106.4	106.4	106.4	105.9	105.8	105.8	105.3	105.2	105.1	105.1	105.2	105.2	105.7
2016 ...	105.4	105.2	105.2	105.3	105.0	105.0	105.7	106.6	106.4	106.9	106.9	107.0	105.9
2017 ...	106.7	106.7	106.7	107.8	108.0	108.0	108.5	108.5	108.5	108.8	108.8	108.8	108.0
2018 ...	109.0	108.9	109.0	110.3	111.0	111.2	112.2	113.1	113.3	113.8	113.8	113.8	111.6
2019 ...	114.0	113.9	114.0	114.2	114.0	113.9	114.6	114.4	114.5	114.4	114.4	114.4	114.2
Year	Autos												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	101.5	102.0	102.1	102.1	102.1	102.1	101.5	101.2	101.0	100.9	100.9	101.0	101.5
2016 ...	101.5	102.0	101.8	101.5	101.3	100.9	100.7	100.4	100.3	100.6	100.7	100.8	101.0
2017 ...	102.0	102.1	101.7	101.6	101.2	100.6	99.6	99.2	98.6	98.5	99.0	99.7	100.3
2018 ...	100.1	100.0	99.9	99.5	99.8	100.0	100.0	99.7	99.7	99.6	99.8	99.9	99.8
2019 ...	100.5	100.6	100.9	100.9	100.9	100.8	100.6	100.3	99.8	99.8	99.8	100.1	100.4
Year	Trucks												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	105.4	105.9	106.2	106.5	106.6	106.5	106.2	105.9	105.9	105.8	106.2	106.2	106.1
2016 ...	106.6	107.1	107.3	107.2	107.0	106.8	106.7	106.3	106.3	106.6	106.6	106.8	106.8
2017 ...	107.9	107.8	107.6	107.7	107.6	107.0	106.4	106.2	105.8	105.8	105.9	106.7	106.9
2018 ...	107.0	106.8	106.8	106.3	106.5	106.6	106.5	106.2	105.8	105.7	105.8	106.0	106.3
2019 ...	106.8	107.0	107.5	107.5	107.3	107.0	106.7	106.3	105.9	105.8	105.9	106.4	106.7

See footnote(s) at end of table.

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Prices Paid Index Sub-Components as a Percent of 2011 Base, Monthly and Annual Average – United States: 2015-2019 (continued)

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Year	Tractors												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	107.8	109.6	109.5	109.5	109.5	109.6	109.6	109.6	109.6	110.4	110.5	110.5	109.6
2016 ...	110.5	110.6	110.6	110.7	110.8	110.9	111.0	111.1	111.2	111.5	112.1	112.5	111.1
2017 ...	112.6	112.7	112.8	112.8	112.6	112.8	112.7	112.5	112.2	112.0	112.9	112.7	112.6
2018 ...	112.5	112.3	112.1	111.6	111.1	110.7	110.2	109.6	109.1	108.5	111.5	111.0	110.9
2019 ...	110.4	109.9	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.3	109.4
Year	Self-propelled												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	117.6	118.1	118.7	118.8	118.5	118.2	117.9	117.6	117.3	117.5	118.4	118.1	118.1
2016 ...	117.8	118.3	118.0	118.2	118.2	118.2	118.4	118.6	118.7	120.0	120.2	120.2	118.7
2017 ...	120.5	120.6	120.8	120.6	120.4	120.3	120.3	120.3	121.0	121.0	120.9	120.8	120.6
2018 ...	120.8	120.7	120.6	121.0	121.4	121.8	123.7	124.0	125.4	128.1	129.5	129.9	123.9
2019 ...	130.3	130.7	131.0	131.0	130.7	130.7	130.7	130.9	131.0	131.0	131.5	137.0	131.4
Year	Other machinery												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	114.6	114.5	114.7	114.4	114.2	113.8	113.7	113.5	113.3	113.2	113.0	112.8	113.8
2016 ...	113.0	112.9	112.7	113.0	113.3	114.1	114.6	114.9	115.3	115.7	116.0	116.3	114.3
2017 ...	116.9	117.3	117.6	117.5	117.5	117.6	117.6	117.4	117.5	117.5	117.6	117.8	117.5
2018 ...	118.8	117.9	118.3	118.8	119.9	120.4	121.3	121.8	122.5	123.3	123.8	125.5	121.0
2019 ...	126.5	127.7	127.8	128.1	127.6	130.3	130.1	130.1	130.1	130.3	129.4	129.6	129.0
Year	Custom rates												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8
2016 ...	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6	111.6
2017 ...	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3	114.3
2018 ...	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3
2019 ...	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4	118.4
Year	Other services												
	January	February	March	April	May	June	July	August	September	October	November	December	Average ¹
2015 ...	113.8	113.7	113.3	113.6	113.7	114.8	114.6	114.6	114.4	113.5	113.2	113.0	113.9
2016 ...	115.6	115.6	115.6	115.9	115.6	116.6	116.8	116.7	116.6	116.0	115.6	116.1	116.1
2017 ...	111.3	111.4	111.2	111.5	111.9	112.8	113.1	113.1	113.2	112.3	112.2	112.4	112.2
2018 ...	113.5	113.7	113.9	113.8	114.4	115.1	115.3	115.4	115.5	115.3	115.0	115.1	114.7
2019 ...	116.2	116.3	116.0	116.1	116.4	117.3	117.3	117.0	116.5	115.9	115.9	115.8	116.4
Year	Cash rent												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
2016 ...	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4
2017 ...	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4	130.4
2018 ...	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1
2019 ...	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1
Year	Share rent												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6	122.6
2016 ...	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1
2017 ...	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1	116.1
2018 ...	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8
2019 ...	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8	111.8

¹ Weighted index using 5-year average production expenditures.

Prices Paid Indexes as a Percent of 1910-1914 Base, Monthly and Annual Average – United States: 2015-2019

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Year	Commodities, services, interest, taxes, and wage rates (PPITW)												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	3038	3025	3037	3030	3025	3029	3017	2999	2964	2964	2933	2890	2996
2016 ...	2908	2897	2901	2890	2894	2903	2875	2857	2821	2803	2812	2833	2866
2017 ...	2870	2882	2886	2891	2892	2888	2882	2863	2873	2891	2899	2907	2885
2018 ...	2928	2948	2948	2939	2952	2946	2950	2955	2955	2970	2972	2979	2954
2019 ...	3001	3005	3008	3022	3007	2993	2996	2974	2966	2980	2987	2991	2994
Year	Items used for production, interest, taxes, and wage rates (PITW)												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	3203	3186	3197	3188	3179	3183	3169	3147	3106	3106	3069	3018	3146
2016 ...	3039	3026	3028	3013	3016	3026	2992	2970	2926	2904	2916	2940	2983
2017 ...	2982	2995	3000	3004	3005	2999	2993	2968	2979	3001	3010	3019	2996
2018 ...	3042	3063	3063	3050	3064	3056	3061	3066	3065	3083	3087	3096	3066
2019 ...	3122	3125	3126	3140	3120	3103	3107	3079	3070	3085	3094	3100	3106
Year	Items used for production												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	2380	2365	2375	2371	2364	2367	2352	2333	2298	2292	2261	2218	2331
2016 ...	2229	2217	2219	2208	2211	2218	2186	2167	2129	2107	2117	2138	2179
2017 ...	2162	2174	2178	2185	2185	2180	2175	2154	2162	2178	2186	2194	2176
2018 ...	2194	2213	2212	2208	2219	2213	2207	2211	2210	2223	2226	2234	2214
2019 ...	2242	2244	2244	2261	2244	2230	2229	2205	2197	2208	2216	2221	2228
Year	Feed												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	1206	1197	1195	1171	1151	1158	1182	1183	1167	1157	1135	1119	1168
2016 ...	1112	1107	1107	1106	1154	1204	1173	1131	1095	1074	1066	1080	1118
2017 ...	1061	1072	1071	1064	1057	1041	1046	1031	1021	1027	1017	1030	1045
2018 ...	1038	1079	1093	1115	1140	1125	1112	1117	1089	1090	1092	1112	1100
2019 ...	1121	1125	1132	1136	1137	1148	1140	1129	1120	1124	1124	1127	1130
Year	Livestock & poultry												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	3168	3000	3092	3146	3136	3146	3004	2909	2676	2715	2564	2289	2904
2016 ...	2364	2358	2385	2280	2160	2067	1968	1995	1844	1732	1836	1925	2076
2017 ...	2014	1998	2040	2080	2135	2138	2126	2032	2092	2205	2247	2249	2113
2018 ...	2229	2248	2177	2066	2036	2003	1987	1986	2049	2119	2075	2091	2089
2019 ...	2092	2071	2087	2201	2071	1918	1934	1879	1876	1963	2006	2025	2010
Year	Seeds												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	4099	4099	4096	4096	4096	4096	4096	4096	4096	4096	4096	4096	4096
2016 ...	4096	4096	3969	3969	3969	3969	3969	3969	3969	3969	3969	3969	3990
2017 ...	3969	3969	3934	3934	3934	3934	3934	3934	3934	3934	3934	3934	3940
2018 ...	3934	3934	3885	3885	3885	3885	3885	3885	3885	3885	3885	3885	3893
2019 ...	3885	3885	3800	3800	3800	3800	3800	3800	3800	3800	3800	3800	3814
Year	Fertilizer												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	1086	1089	1084	1088	1093	1087	1041	1028	1029	1001	986	990	1050
2016 ...	964	917	909	919	912	901	847	814	800	795	801	791	864
2017 ...	797	823	836	849	838	822	796	766	751	752	764	775	797
2018 ...	775	796	797	796	800	794	790	790	801	820	834	836	803
2019 ...	841	850	844	838	830	818	795	779	765	763	763	751	803
Year	Chemicals												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	892	955	955	956	956	958	964	966	967	971	968	972	957
2016 ...	975	976	977	977	978	979	989	972	953	954	942	935	967
2017 ...	922	976	977	966	928	939	913	905	912	905	923	945	934
2018 ...	927	926	960	931	915	910	879	885	848	836	918	915	904
2019 ...	929	924	918	916	917	933	946	879	855	862	878	878	903

See footnote(s) at end of table.

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Prices Paid Indexes as a Percent of 1910-1914 Base, Monthly and Annual Average – United States: 2015-2019 (continued)

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Year	Fuels												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	1870	1890	1920	1877	1901	1849	1828	1703	1679	1670	1614	1503	1775
2016 ...	1388	1328	1445	1490	1611	1655	1605	1550	1596	1665	1622	1711	1556
2017 ...	1810	1799	1704	1731	1697	1629	1630	1717	1872	1858	1909	1865	1768
2018 ...	1869	1831	1775	1874	2001	2017	2055	2088	2169	2191	2055	1932	1988
2019 ...	1873	1913	1996	2045	2038	1919	1925	1847	1871	1901	1937	1906	1931
Year	Supplies & repairs												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	1255	1254	1254	1251	1250	1249	1245	1244	1244	1243	1244	1244	1248
2016 ...	1246	1244	1245	1245	1244	1244	1249	1256	1255	1259	1260	1260	1251
2017 ...	1258	1258	1259	1269	1271	1272	1277	1277	1278	1281	1281	1283	1272
2018 ...	1287	1287	1290	1302	1308	1312	1321	1332	1336	1341	1340	1341	1316
2019 ...	1347	1347	1348	1349	1350	1351	1358	1356	1356	1356	1356	1356	1353
Year	Autos & trucks												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	3223	3240	3248	3257	3258	3257	3246	3235	3234	3233	3243	3242	3243
2016 ...	3255	3272	3277	3272	3267	3259	3255	3245	3243	3253	3253	3260	3259
2017 ...	3292	3292	3284	3286	3281	3264	3244	3237	3224	3222	3229	3252	3259
2018 ...	3261	3255	3255	3241	3246	3250	3247	3239	3227	3223	3229	3235	3242
2019 ...	3256	3263	3276	3278	3273	3263	3256	3242	3231	3228	3230	3244	3253
Year	Machinery												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	6986	7021	7037	7032	7020	7004	6995	6983	6970	6987	7005	6991	7003
2016 ...	6990	7001	6988	7001	7011	7030	7047	7062	7074	7119	7138	7152	7051
2017 ...	7174	7187	7199	7192	7186	7188	7187	7180	7195	7193	7203	7203	7190
2018 ...	7225	7197	7203	7217	7245	7261	7320	7334	7376	7453	7539	7581	7329
2019 ...	7607	7636	7640	7647	7625	7690	7686	7692	7693	7696	7689	7828	7678
Year	Building materials												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	2503	2503	2503	2508	2505	2503	2501	2492	2487	2489	2488	2484	2497
2016 ...	2487	2487	2490	2496	2500	2505	2511	2518	2514	2511	2511	2515	2504
2017 ...	2531	2542	2549	2562	2565	2567	2566	2576	2580	2591	2596	2599	2569
2018 ...	2620	2637	2671	2683	2712	2722	2726	2724	2729	2729	2723	2730	2700
2019 ...	2741	2749	2746	2754	2752	2746	2758	2747	2746	2744	2736	2742	2747
Year	Services & rent												Annual ¹
	January	February	March	April	May	June	July	August	September	October	November	December	
2015 ...	2553	2552	2547	2551	2551	2564	2563	2562	2560	2550	2546	2543	2554
2016 ...	2518	2519	2519	2522	2519	2530	2532	2531	2530	2523	2519	2524	2524
2017 ...	2475	2477	2474	2478	2482	2492	2496	2496	2497	2487	2486	2488	2486
2018 ...	2461	2462	2465	2464	2471	2478	2481	2482	2483	2481	2477	2479	2474
2019 ...	2499	2500	2497	2497	2501	2511	2511	2508	2503	2495	2495	2494	2501

See footnote(s) at end of table.

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Prices Paid Indexes as a Percent of 1910-1914 Base, Monthly and Annual Average – United States: 2015-2019 (continued)

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Year	Interest												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	3587	3587	3587	3587	3587	3587	3587	3587	3587	3587	3587	3587	3587
2016 ...	3789	3789	3789	3789	3789	3789	3789	3789	3789	3789	3789	3789	3789
2017 ...	4082	4082	4082	4082	4082	4082	4082	4082	4082	4082	4082	4082	4082
2018 ...	4288	4288	4288	4288	4288	4288	4288	4288	4288	4288	4288	4288	4288
2019 ...	4422	4422	4422	4422	4422	4422	4422	4422	4422	4422	4422	4422	4422
Year	Taxes												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	6520	6520	6520	6520	6520	6520	6520	6520	6520	6520	6520	6520	6520
2016 ...	6808	6808	6808	6808	6808	6808	6808	6808	6808	6808	6808	6808	6808
2017 ...	6904	6904	6904	6904	6904	6904	6904	6904	6904	6904	6904	6904	6904
2018 ...	6952	6952	6952	6952	6952	6952	6952	6952	6952	6952	6952	6952	6952
2019 ...	7119	7119	7119	7119	7119	7119	7119	7119	7119	7119	7119	7119	7119
Year	Wage rates												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	8018	8018	8018	7858	7858	7858	7980	7980	7980	8204	8204	8204	8015
2016 ...	8210	8210	8210	8159	8159	8159	8332	8332	8332	8479	8479	8479	8295
2017 ...	8594	8594	8594	8466	8466	8466	8466	8466	8466	8588	8588	8588	8529
2018 ...	9010	9010	9010	8780	8780	8780	9138	9138	9138	9260	9260	9260	9047
2019 ...	9573	9573	9573	9413	9413	9413	9541	9541	9541	9612	9612	9612	9535
Year	Family living												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	2220	2230	2243	2248	2259	2267	2267	2264	2260	2259	2255	2247	2252
2016 ...	2251	2252	2262	2273	2282	2290	2286	2288	2293	2296	2293	2293	2280
2017 ...	2307	2314	2316	2323	2325	2327	2325	2332	2345	2343	2343	2342	2328
2018 ...	2355	2365	2371	2380	2390	2394	2394	2395	2398	2402	2394	2387	2385
2019 ...	2391	2401	2415	2428	2433	2433	2437	2437	2439	2445	2443	2441	2429
Year	Commodities, services, interest, taxes, and wage rates Adjusted for productivity												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	1441	1441	1444	1434	1434	1436	1441	1438	1432	1446	1441	1433	1438
2016 ...	1409	1407	1409	1406	1407	1409	1415	1412	1408	1414	1415	1418	1411
2017 ...	1505	1508	1508	1502	1502	1502	1501	1499	1502	1512	1513	1514	1506
2018 ...	1623	1627	1628	1612	1615	1615	1639	1640	1641	1652	1651	1651	1633
2019 ...	1692	1694	1696	1689	1687	1685	1695	1691	1690	1698	1699	1699	1693
Year	Parity ratio ²												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	33	34	35	35	37	36	34	35	34	31	33	32	34
2016 ...	32	33	33	33	34	33	33	32	32	30	31	32	32
2017 ...	31	33	34	34	36	35	34	34	33	31	33	33	33
2018 ...	30	32	33	33	33	33	32	31	31	30	31	31	32
2019 ...	29	31	32	32	32	32	31	31	30	29	31	31	31
Year	Adjusted parity ratio (PPITW) ³												
	January	February	March	April	May	June	July	August	September	October	November	December	Annual ¹
2015 ...	34	35	36	36	38	37	35	36	35	32	34	33	35
2016 ...	33	34	34	34	35	34	34	33	33	31	32	33	34
2017 ...	32	34	35	35	37	36	35	35	34	32	34	34	34
2018 ...	31	33	34	34	34	34	33	32	32	31	32	32	33
2019 ...	30	32	33	33	33	33	32	32	31	30	32	32	32

¹ Weighted index using 5-year average production expenditures.

² Ratio of index of prices received to index of prices paid for commodities, services, interest, taxes, and wage rates.

³ Ratio of the index of prices received after adjustment for government payments to the index of prices paid for commodities, services, interest, taxes, and wage rates.

Feed Ratios Monthly and Annual Average – United States: 2015-2019

[Annual average is a simple average of monthly ratios, January through December]

Year	Broiler ¹												
	January	February	March	April	May	June	July	August	September	October	November	December	Average
2015	5.4	5.0	5.4	6.0	6.2	5.9	4.7	4.4	4.2	4.1	4.3	4.7	5.0
2016	5.1	4.8	5.0	5.1	5.3	5.1	4.7	4.3	4.2	3.7	4.4	4.7	4.7
2017	4.7	4.6	5.3	5.7	6.6	6.7	6.1	5.5	5.1	4.9	5.0	5.0	5.4
2018	5.2	5.0	5.6	6.1	6.7	7.0	6.7	5.2	4.8	4.8	5.2	5.3	5.6
2019	5.8	5.1	5.3	5.8	6.1	5.4	4.8	4.3	4.0	4.1	4.1	4.5	5.0
Year	Market Egg ²												
	January	February	March	April	May	June	July	August	September	October	November	December	Average
2015	11.3	12.1	15.3	9.6	18.2	21.9	19.6	26.5	20.7	14.7	22.8	12.2	17.1
2016	11.4	10.2	8.8	4.6	2.7	2.5	4.0	4.4	3.8	2.6	3.7	12.1	5.9
2017	6.7	4.3	6.4	4.4	4.2	4.5	6.8	6.1	10.9	8.3	15.3	14.4	7.7
2018	11.6	12.8	22.1	11.2	6.8	9.3	10.5	11.0	8.7	8.5	11.7	11.8	11.3
2019	9.5	8.4	7.6	4.6	2.3	5.2	2.5	7.6	4.9	4.7	13.2	8.3	6.4
Year	Turkey ³												
	January	February	March	April	May	June	July	August	September	October	November	December	Average
2015	6.3	6.6	6.8	7.1	7.9	8.4	8.5	9.4	10.0	10.6	10.2	9.8	8.5
2016	8.7	9.0	9.0	9.2	8.8	8.9	9.3	9.5	10.3	9.9	9.3	8.4	9.2
2017	7.6	7.3	7.5	7.5	7.7	7.4	7.3	7.2	6.9	7.1	6.5	6.0	7.2
2018	5.7	5.5	5.2	5.2	5.1	5.3	5.7	5.8	5.9	5.7	6.0	5.5	5.5
2019	5.6	5.8	5.9	6.3	6.1	6.1	6.2	6.6	7.0	7.0	7.5	6.9	6.4
Year	Milk ⁴												
	January	February	March	April	May	June	July	August	September	October	November	December	Average
2015	2.10	2.06	2.01	2.00	1.99	2.06	2.00	2.11	2.25	2.30	2.46	2.29	2.14
2016	2.18	2.18	2.12	1.99	1.90	1.92	2.16	2.44	2.49	2.38	2.59	2.73	2.26
2017	2.71	2.61	2.40	2.22	2.20	2.31	2.27	2.50	2.46	2.48	2.54	2.38	2.42
2018	2.20	2.03	1.98	1.90	1.90	1.97	1.93	2.06	2.13	2.22	2.21	2.07	2.05
2019	2.06	2.07	2.12	2.11	2.10	2.08	2.16	2.26	2.33	2.39	2.61	2.55	2.21
Year	Hog-Corn ⁵												
	January	February	March	April	May	June	July	August	September	October	November	December	Average
2015	15.0	13.3	13.2	13.1	16.2	16.7	15.4	16.0	14.8	15.1	12.8	11.7	14.4
2016	11.9	13.9	14.0	14.3	15.5	15.9	16.5	16.4	14.8	12.7	12.0	13.0	14.2
2017	14.1	15.8	15.2	14.1	15.5	18.1	19.3	18.8	15.0	14.5	15.9	15.0	15.9
2018	16.0	16.2	14.2	12.7	14.0	16.5	16.9	13.2	12.7	14.7	13.5	12.3	14.4
2019	12.5	12.1	12.9	16.8	17.2	14.9	13.6	14.9	12.6	12.8	13.0	12.7	13.9
Year	Steer & Heifer-Corn ⁶												
	January	February	March	April	May	June	July	August	September	October	November	December	Average
2015	43.5	42.5	42.5	43.7	44.2	43.5	39.5	40.5	38.0	35.1	36.5	33.7	40.3
2016	36.1	37.4	38.5	37.4	35.1	33.2	33.3	36.8	33.9	31.0	32.7	34.0	34.9
2017	35.0	35.2	36.4	37.9	40.0	38.8	34.7	35.2	32.7	34.0	38.4	37.2	36.3
2018	37.4	37.6	36.2	34.1	33.2	31.6	32.3	33.3	32.4	32.7	33.7	33.6	34.0
2019	34.8	35.0	35.7	36.3	33.6	28.9	27.2	28.5	27.4	28.4	31.3	32.3	31.5

¹ The price of commercial prepared broiler feed is based on current United States prices received for corn and soybeans. The modeled feed ration uses 58 percent corn and 42 percent soybeans.

² The price of commercial prepared layer feed is based on current United States prices received for corn and soybeans. The modeled feed ration uses 75 percent corn and 25 percent soybeans.

³ The price of commercial prepared turkey feed is based on current United States prices received for corn, soybeans, and wheat. The modeled feed ration uses 51 percent corn, 28 percent soybeans, and 21 percent wheat.

⁴ The price of commercial prepared dairy feed is based on current United States prices received for corn, soybeans, and alfalfa. The modeled feed ration uses 51 percent corn, 8 percent soybeans, and 41 percent alfalfa.

⁵ Number of bushels of corn equal in value to 100 pounds of all hogs, live weight.

⁶ Number of bushels of corn equal in value to 100 pounds of steers & heifers, live weight.

Reliability of Prices Paid Estimates

Definition: Prices paid by farmers represent the average costs of inputs purchased by farmers and ranchers to produce agricultural commodities. Conceptually, the average price when multiplied by quantity purchased should equal total producer expenditures for the item.

Survey procedures: The prices paid data are obtained from establishments that sell goods and services to farmers and ranchers. Annually, about 8,500 firms are randomly selected from lists by type of item sold with an average response rate in the range of 75-80 percent. Firms are asked to report the price for the specified item "most commonly bought by farmers" or that was the "volume seller". Approximately 135 items are surveyed each March to represent all production input items purchased. The survey reference period for most items is the five business days centered at the 15th of the month. Separate prices paid surveys are conducted for agricultural chemicals, fuels, feed, fertilizer, machinery, and seed.

Summary and estimation procedures: The annual March Prices Paid Survey is summarized as a non-probability survey. Average prices reported are aggregated to the region and United States level using weights available from expenditure data and other administrative sources. Price recommendations are prepared by the Regional Field Offices and Headquarters for review by the Agricultural Statistics Board in Washington, D.C. Also, the change in price level for individual items surveyed are combined to the regional and United States levels, and are published as prices paid indexes referenced to a specific base period. Prices paid indexes for new autos and trucks, building materials, farm supplies, motor supplies, and marketing containers are updated based on price changes measured in selected Bureau of Labor Statistics (BLS) indexes.

Revisions: Any revisions are published in the monthly and in annual issues of Agricultural Prices. The basis for revision must be supported by additional data that directly affect the level of the estimate. More revisions are likely for March when separate prices paid surveys are conducted, in lieu of BLS indexes, by the USDA to measure price change.

Reliability: Current methods of summarization for the March data are not designed directly to calculate sampling errors. However, analytical measures approximate the United States relative sampling errors for major items around 10 percent. Any non-sampling errors are attributed to such things as the inability to obtain correct information, differences in interpreting questions or definitions, mistakes in coding or processing the data, etc. Efforts are made at each step in the survey process to minimize these non-sampling errors.

Program change: Effective January 2014, the National Agricultural Statistics Service modified the five-year moving weights and updated the base reference period. In January 2015, publication of preliminary prices was suspended, and the annual average index was replaced by an annual index.

As of January 2014, the 1990-1992 base reference period was updated to 2011. Five-year moving average weights are adjusted (normalized) to minimize the effects of price changes. The 1910-1914=100 price indexes, required by statute for computing parity prices, were linked forward based on the changes in the new 2011=100 indexes. The new indexes were constructed by multiplying the ratios of the current prices to the base period prices by the moving average weights.

Modifications implemented January 2015 discontinued preliminary prices and replaced the annual average index with an annual index.

The April 2015 program update discontinued publication of the annual March survey prices paid data.

The February 2016 program update changed the rounding of the 2011 base period indexes to nearest tenth of a percent. The 1910-1914 base period indexes remain rounded to the nearest whole number.

See Price Program Links at end of this report for program change details.

Information Contacts

General

Jody McDaniel, Chief, Environmental, Economics, and Demographics Branch (202) 720-6146

Crop Prices Received

Lance Honig, Chief, Crops Branch (202) 720-2127

Travis Thorson, Head, Field Crops Section (202) 720-2127

Chris Hawthorn – Corn, Flaxseed, Proso Millet (202) 720-9526

James Johanson – County Estimates, Hay (202) 690-8533

Jeff Lemmons – Oats, Soybeans (202) 690-3234

Sammy Neal – Peanuts, Rice (202) 720-7688

Jean Porter – Rye, Wheat (202) 720-8068

Chris Singh – Cotton, Cotton Ginnings, Sorghum (202) 720-5944

Travis Thorson – Canola, Mustard Seed, Rapeseed, Safflower, Sunflower, Barley, Crop Weather (202) 720-7369

Jorge Garcia-Pratts, Head, Fruits, Vegetables, and Special Crops Section (202) 720-2127

Joshua Bates – Almonds, Apples, Apricots, Asparagus, Carrots, Coffee, Onions, Plums,

Prunes, Sweet Corn, Tobacco (202) 720-4288

Jorge Garcia-Pratts – Dry beans, Garlic, Hazelnuts, Honeydews, Kiwifruit, Lettuce, Maple Syrup,

Mint, Pears, Sweet Cherries, Tart Cherries, Tomatoes (202) 720-2127

Fleming Gibson – Cauliflower, Celery, Grapefruit, Lemons, Macadamia,

Mandarins and tangerines, Mushrooms, Olives, Oranges (202) 720-5412

Greg Lemmons – Cranberries, Cucumbers, Pistachios, Potatoes, Pumpkins, Raspberries,

Squash, Strawberries, Sugarbeets, Sugarcane, Sweet Potatoes, Tame Blueberries,

Wild Blueberries (202) 720-4285

Dan Norris – Artichokes, Cantaloupes, Dry Edible Peas, Green Peas, Lentils,

Nectarines, Papayas, Peaches, Snap Beans, Spinach, Walnuts, Watermelon (202) 720-3250

Dawn Smoker – Avocados, Bell Peppers, Broccoli, Cabbage, Chickpeas, Chile Peppers, Dates,

Floriculture, Grapes, Hops, Pecans (202) 720-4215

Livestock Prices Received

Travis Averill, Chief, Livestock Branch (202) 692-0069

Scott Hollis, Head, Livestock Section (202) 690-2424

Holly Brenize – Sheep and Goats (202) 720-0585

Heidi Lanouette – Cattle and Cattle on Feed (202) 720-3040

Mike Miller – Milk, Milk Cows (202) 720-3278

Seth Riggins – Hogs and Pigs (202) 720-3106

Tony Dorn, Head, Poultry and Specialty Commodities Section (202) 690-3223

Fatema Haque – Turkeys (202) 720-3244

Kim Linonis – Eggs (202) 690-3676

Adam Peters – Honey (202) 690-3237

Takiyah Walker - Broilers (202) 720-6147

Indexes, Prices Paid, and Parity Prices

Jody McDaniel, Chief, Environmental, Economics, and Demographics Branch (202) 720-6146

Bruce Boess, Head, Economics Section (202) 720-4447

Kuan Chen – Prices Received Indexes, Parity Prices, Prices Paid Indexes, Prices Paid for Feed,

Fertilizer, Chemicals, Seeds, Fuels, Farm Supplies and Repairs, Farm Machinery, Feeder Livestock,

Poultry Chicks, Feed Price Ratios (202) 690-3347

Stephen Habets – Prices Received Indexes, Parity Prices (202) 720-9168

John Stephens – Prices Received Indexes, Parity Prices (202) 720-8844

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Price Program Links

Economics and Prices

http://www.nass.usda.gov/Statistics_by_Subject/Economics_and_Prices/index.php

January 2014 Price Program Update

http://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Prices/updates.pdf

January 2015 Price Program Update

http://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Prices/update2015.pdf

April 2015 Price Program Update

http://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Prices/updateApr2015.pdf

February 2016 Price Program Update

http://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Prices/updateFeb2016.pdf

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