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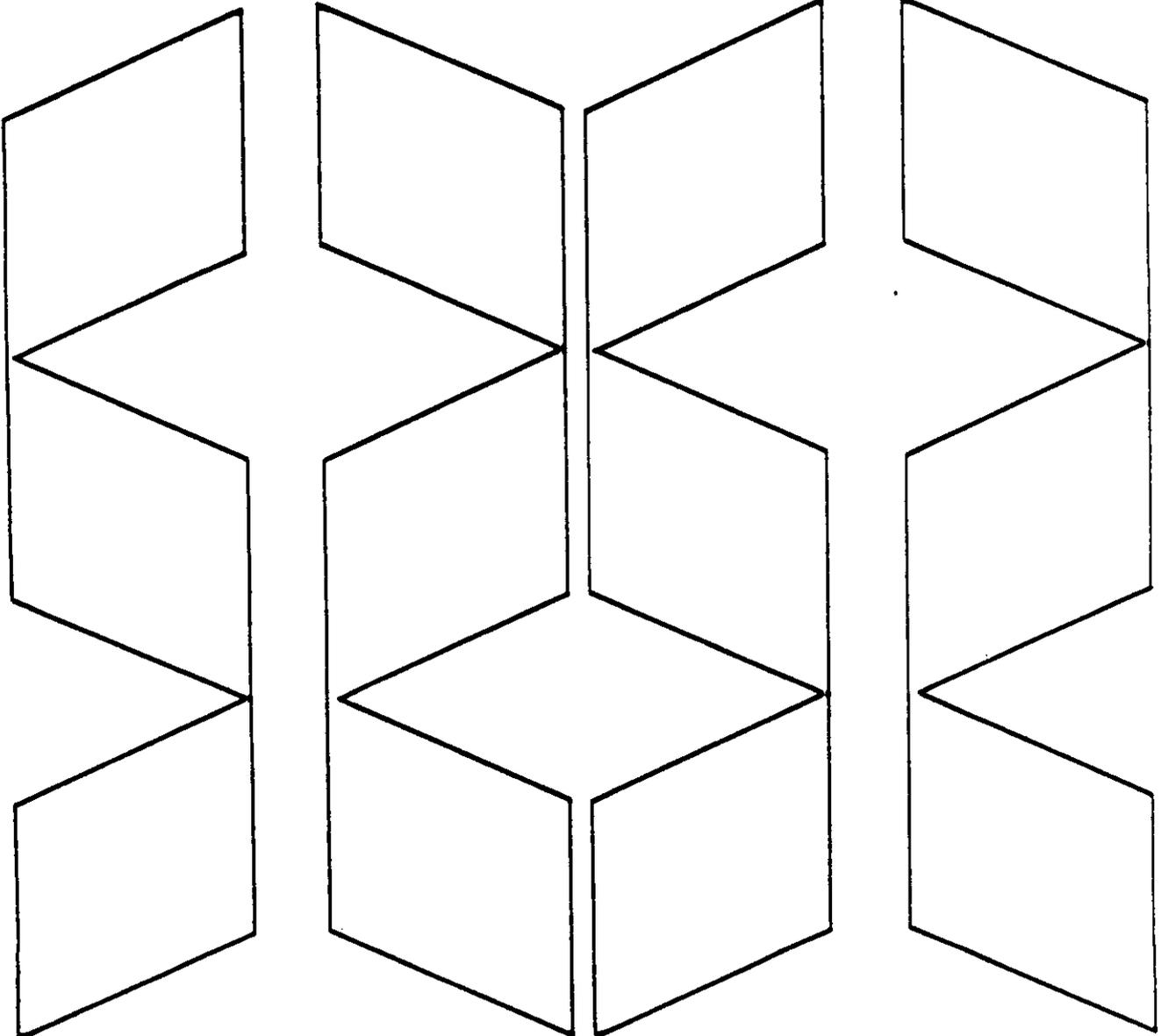
Washington, D.C.



# Crop Production

## 1991 Summary

January 1992  
Cr Pr 2-1 (92)



Crop Production: Index Numbers,  
United States, 1982-91 (1977=100)

Year	Production							
	All <sup>1/</sup>	Feed Grains	Hay and Forage	Food Grains	Sugar Crops	Cotton	Tobacco	Oil Crops
1982	117	122	109	138	96	85	104	121
1983	87	67	100	116	93	54	75	91
1984	110	115	107	129	95	90	90	106
1985	116	133	106	121	95	93	79	117
1986	107	123	107	106	106	68	61	107
1987	106	106	101	107	111	103	62	108
1988	91	73	88	98	105	107	72	89
1989	106	108	100	107	105	85	71	107
1990	113	113	101	136	108	108	85	107
1991	111	106	103	104	112	122	87	114

<sup>1/</sup> Includes some miscellaneous crop production not included in separate groups of crops shown.

This report was approved on January 13, 1992, by the Acting Secretary of Agriculture and the National Agricultural Statistics Service's Agricultural Statistics Board.

*Daniel A. Sumner*

Acting Secretary of  
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Agricultural Statistics Board  
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## Highlights

Corn for grain production for 1991 was estimated at 7.47 billion bushels, 6 percent below the 1990 crop and down slightly from the November 1 forecast. The U.S. yield was 108.6 bushels per acre, down 9.9 bushels from 1990.

Sorghum for grain production for 1991 was estimated at 579 million bushels, up 1 percent from the 1990 production. Average U.S. yields were 59.0 bushels per acre, down 4.1 bushels from 1990.

Oats production in 1991 was estimated at 243 million bushels, 32 percent below the 1990 crop and the lowest since 1988. Yield per acre for grain averaged 50.6 bushels, down 9.5 bushels from 1990.

Barley production in 1991 was estimated at 464 million bushels, 10 percent above last year's crop of 422 million bushels. Average yield per acre at 55.2 bushels, was down 0.9 bushel from the 1990 yield.

All hay production was estimated at 153 million tons, 5 percent more than both last year and 1990. The larger production from a year ago came from a combination of higher yields and increased acreage.

All wheat production for 1991 was estimated at 1.98 billion bushels, down 28 percent from 1990. Yields averaged 34.3 bushels per acre, down 5.2 bushels from 1990.

Rice production totaled 154 million cwt during 1991, 1 percent below the 1990 total. Average yield was 5,617 pounds per acre, 88 pounds above the 1990 average but 132 pounds below the record high yield of 1989.

Soybean production totaled 1.99 billion bushels in 1991, up 3 percent from 1990 and 1 percent above the November 1 forecast. Yield per acre averaged a record high 34.3 bushels in 1991, 0.2 bushel above the previous record high set in 1985 and tied in 1990.

All cotton production for 1991 was estimated at 17.5 million bales, 13 percent above 1990's production and was the largest production since 1937. The October freeze in Texas caused more damage than earlier expected, decreasing yields, quality, and causing producers to abandon acreage. Louisiana expected a record high production and Georgia and Mississippi had record high yields.

Tobacco production totaled 1.66 billion pounds, 2 percent above 1990 and up 21 percent from the 1989 crop. The higher production resulted from higher acreage which more than offset lower yields.

Sugar production from the 1991 sugarcane and sugarbeet crops was estimated at 7.03 million tons, raw value, up 1 percent from the 1990 total. The increase reflected an increase in the size of the sugarcane and sugarbeet crops. However, a lower yield of sugar per ton of beets limited the increase.

**Crop Summary: Area Planted, United States, 1989-91**  
(Domestic Units)

Crop	Area Planted		
	1989	1990	1991
	1,000 Acres		
All Corn	72,221.0	74,171.0	75,951.0
All Sorghum	12,642.0	10,535.0	11,014.0
Oats	12,085.0	10,423.0	8,654.0
Barley	9,125.0	8,221.0	8,941.0
All Wheat	76,615.0	77,241.0	69,906.0
Winter	55,091.0	56,948.0	51,049.0
Durum	3,791.0	3,570.0	3,253.0
Other Spring	17,733.0	16,723.0	15,604.0
Rice	2,731.0	2,897.0	2,857.0
Rye	2,014.0	1,625.0	1,671.0
All Soybeans	60,820.0	57,795.0	59,060.0
All Peanuts	1,665.2	1,840.0	2,042.2
Sunflower	1,840.0	1,905.0	2,743.0
Canola <sup>1/</sup>			135.0
Mustard Seed <sup>1/</sup>			19.4
Rapeseed <sup>1/</sup>			18.2
Safflower <sup>1/</sup>			190.0
Flaxseed	195.0	260.0	351.0
All Cotton	10,586.6	12,348.1	14,143.8
Upland	10,209.7	12,116.8	13,897.0
Amer-Pima	376.9	231.3	246.8
Dry Edible Beans	1,824.6	2,177.6	1,909.1
Dry Edible Peas	175.0	166.0	190.0
Austrian Winter Peas	12.2	13.5	13.0
Lentils	94.0	108.0	123.0
Potatoes			
Winter	13.1	13.5	13.2
Spring	92.3	96.2	90.2
Summer	97.2	103.5	101.4
Fall	1,102.4	1,186.5	1,203.7
Total	1,305.0	1,399.7	1,408.5
Sweetpotatoes	89.5	93.9	80.8
Tobacco			
Sugarbeets	1,324.4	1,400.4	1,421.0
Principal Crops	317,247.0	319,432.0	314,342.0

<sup>1/</sup> Estimates began in 1991.

Crop Summary: Area Harvested, United States, 1989-91  
(Domestic Units)

Crop	Area Harvested		
	1989	1990	1991
	1,000 Acres		
Corn for Grain	64,703.0	66,952.0	68,842.0
Corn for Silage	6,606.0	6,124.0	6,101.0
Sorghum for Grain	11,103.0	9,089.0	9,820.0
Sorghum for Silage	541.0	527.0	483.0
Oats	6,882.0	5,945.0	4,796.0
Barley	8,313.0	7,529.0	8,413.0
All Wheat	62,189.0	69,283.0	57,693.0
Winter	41,509.0	49,901.0	39,396.0
Durum	3,673.0	3,507.0	3,197.0
Other Spring	17,007.0	15,875.0	15,100.0
Rice	2,687.0	2,823.0	2,750.0
Rye	484.0	375.0	396.0
Soybeans for Beans	59,538.0	56,512.0	57,951.0
Peanuts for Nuts	1,644.7	1,809.5	2,007.5
Sunflower	1,786.0	1,851.0	2,670.0
Canola			127.0
Mustard Seed			18.1
Rapeseed			15.6
Safflower			179.0
Flaxseed	163.0	253.0	337.0
All Cotton	9,537.7	11,731.6	12,842.4
Upland	9,166.0	11,504.5	12,601.8
Amer-Pima	371.7	227.1	240.6
All Hay	63,300.0	61,407.0	62,575.0
Alfalfa	25,944.0	25,401.0	25,585.0
All Other	37,356.0	36,006.0	36,990.0
Dry Edible Beans	1,650.9	2,084.4	1,862.7
Dry Edible Peas	174.0	159.0	187.0
Austrian Winter Peas	10.2	11.5	11.5
Lentils	92.0	104.0	121.0
Potatoes			
Winter	13.1	13.2	12.2
Spring	88.9	95.1	87.5
Summer	93.5	96.3	97.8
Fall	1,086.0	1,166.0	1,177.9
Total	1,281.5	1,370.6	1,375.4
Sweetpotatoes	86.0	89.5	77.5
Tobacco	678.2	733.3	761.1
Sugarbeets	1,294.5	1,377.2	1,388.7
Sugarcane for			
Sugar and Seed	851.9	794.2	898.6
Peppermint Oil	100.8	101.8	110.7
Spearmint Oil	26.4	33.7	40.7
Taro (HI)	0.4	0.4	0.6
Coffee (HI)	2.3	2.4	1.7
Hops	34.5	35.5	39.6
Ginger Root (HI)	0.2	0.2	0.3
Principal Crops	305,761.0	309,109.0	304,894.0

Crop Summary: Yield, United States, 1989-91  
(Domestic Units)

Crop and Unit		Yield		
		1989	1990	1991
Corn for Grain	Bu	116.3	118.5	108.6
Corn for Silage	Ton	13.0	14.2	13.2
Sorghum for Grain	Bu	55.4	63.1	59.0
Sorghum for Silage	Ton	10.4	10.2	10.0
Oats	Bu	54.3	60.1	50.6
Barley	"	48.6	56.1	55.2
All Wheat	"	32.7	39.5	34.3
Winter	"	35.0	40.7	34.8
Durum	"	25.1	34.9	32.5
Other Spring	"	28.8	36.7	33.4
Rice	Lb	5,749	5,529	5,617
Rye	Bu	28.2	27.1	24.6
Soybeans for Beans	"	32.3	34.1	34.3
Peanuts for Nuts	Lb	2,426	1,991	2,463
Sunflower	"	985	1,229	1,352
Canola	"			1,310
Mustard Seed	"			925
Rapeseed	"			1,035
Safflower	"			1,295
Flaxseed	Bu	7.5	15.1	18.1
All Cotton	Lb	614	634	656
Upland	"	602	632	653
Amer-Pima	"	893	758	796
All Hay	Ton	2.30	2.39	2.45
Alfalfa	"	2.98	3.29	3.28
All Other	"	1.82	1.76	1.88
Dry Edible Beans	Lb	1,437	1,553	1,770
Dry Edible Peas	"	2,232	1,492	1,987
Austrian Winter Peas	"	1,628	1,104	1,209
Lentils	"	1,262	841	1,381
Potatoes	Cwt			
Winter	"	211	177	214
Spring	"	235	254	236
Summer	"	237	240	235
Fall	"	299	302	316
Total	"	289	293	304
Sweetpotatoes	"	132	141	148
Tobacco	Lb	2,016	2,218	2,181
Sugarbeets	Ton	19.4	20.0	20.1
Sugarcane for Sugar and Seed	"	34.5	35.4	33.7
Peppermint Oil	Lb	66	68	58
Spearmint Oil	"	70	76	72
Taro (HI)	"	15,100	13,800	11,700
Coffee (HI)	"	1,390	1,400	1,180
Hops	"	1,717	1,603	1,748
Ginger Root (HI)	"	50,000	50,000	48,000

Crop Summary: Production, United States, 1989-91  
(Domestic Units)

Crop and Unit	Production		
	1989	1990	1991
	1,000		
Corn for Grain Bu	7,525,493	7,934,028	7,474,480
Corn for Silage Ton	86,109	86,844	80,503
Sorghum for Grain Bu	615,420	573,303	579,490
Sorghum for Silage Ton	5,647	5,377	4,806
Oats Bu	373,587	357,524	242,526
Barley "	404,203	422,196	464,495
All Wheat "	2,036,618	2,736,428	1,980,704
Winter "	1,454,642	2,030,874	1,372,182
Durum "	92,229	122,430	103,957
Other Spring "	489,747	583,124	504,565
Rice Cwt	154,487	156,088	154,457
Rye Bu	13,647	10,176	9,761
Soybeans for Beans "	1,923,666	1,925,947	1,985,564
Peanuts for Nuts Lb	3,989,995	3,602,770	4,943,970
Sunflower "	1,759,760	2,274,405	3,609,990
Canola "			166,370
Mustard Seed "			16,742.5
Rapeseed "			16,146
Safflower "			231,805
Flaxseed Bu	1,215	3,812	6,100
All Cotton Bale	12,195.6	15,505.4	17,541.5
Upland "	11,503.9	15,146.9	17,142.5
Amer-Pima "	691.7	358.5	399.0
Cottonseed Ton	4,677.4	5,968.5	6,758.9
All Hay "	145,512	146,820	153,485
Alfalfa "	77,370	83,555	83,795
All Other "	68,142	63,265	69,690
Dry Edible Beans Cwt	23,729	32,379	32,963
Dry Edible Peas "	3,883	2,372	3,715
Austrian Winter Peas "	166	127	139
Lentils "	1,161	875	1,671
Wrinkled Seed Peas "	1,250	922	925
Potatoes "			
Winter "	2,764	2,343	2,609
Spring "	20,852	24,163	20,636
Summer "	22,155	23,097	22,979
Fall "	324,673	352,507	372,005
Total "	370,444	402,110	418,229
Sweetpotatoes "	11,358	12,594	11,496
Tobacco Lb	1,367,188	1,626,380	1,660,034
Sugarbeets Ton	25,131	27,513	27,848
Sugarcane for			
Sugar and Seed Ton	29,426	28,136	30,257
Peppermint Oil Lb	6,652	6,953	6,468
Spearmint Oil "	1,846	2,565	2,927
Taro (HI) "	6,500	5,800	7,000
Coffee (HI) "	3,200	3,350	2,000
Hops "	59,326.4	56,854.8	69,155.4
Ginger Root (HI) "	9,000	9,500	12,000

**Crop Summary: Area Planted, United States, 1989-91**  
(Metric Units)

Crop	Area Planted		
	1989	1990	1991
	Hectares		
All Corn	29,227,120	30,016,260	30,736,610
All Sorghum	5,116,090	4,263,410	4,457,260
Oats	4,890,680	4,218,080	3,502,190
Barley	3,692,800	3,326,960	3,618,330
All Wheat	31,005,320	31,258,660	28,290,260
Winter	22,294,780	23,046,290	20,659,020
Durum	1,534,180	1,444,740	1,316,460
Other Spring	7,176,370	6,767,630	6,314,780
Rice	1,105,210	1,172,390	1,156,200
Rye	815,050	657,620	676,240
All Soybeans	24,613,250	23,389,060	23,900,990
All Peanuts	673,890	744,630	826,460
Sunflower	744,630	770,930	1,110,060
Canola			54,630
Mustard Seed			7,850
Rapeseed			7,370
Safflower			76,890
Flaxseed	78,910	105,220	142,050
All Cotton	4,284,290	4,997,150	5,723,850
Upland	4,131,760	4,903,550	5,623,980
Amer-Pima	152,530	93,600	99,880
Dry Edible Beans	738,400	881,250	772,590
Dry Edible Peas	70,820	67,180	76,890
Austrian Winter Peas	4,940	5,460	5,260
Lentils	38,040	43,710	49,780
Potatoes			
Winter	5,300	5,460	5,340
Spring	37,350	38,930	36,500
Summer	39,340	41,890	41,040
Fall	446,130	480,160	487,130
Total	528,120	566,440	570,010
Sweetpotatoes	36,220	38,000	32,700
Tobacco			
Sugarbeets	535,970	566,730	575,060
Principal Crops	128,320,180	129,200,390	127,132,840

**Crop Summary: Area Harvested, United States, 1989-91**  
(Metric Units)

Crop	Area Harvested		
	1989	1990	1991
	Hectares		
Corn for Grain	26,184,660	27,094,800	27,859,670
Corn for Silage	2,673,380	2,478,320	2,469,010
Sorghum for Grain	4,493,270	3,678,230	3,974,060
Sorghum for Silage	218,940	213,270	195,470
Oats	2,785,080	2,405,880	1,940,890
Barley	3,364,190	3,046,910	3,404,660
All Wheat	25,167,270	28,038,140	23,347,780
Winter	16,798,280	20,194,440	15,943,170
Durum	1,486,430	1,419,250	1,293,790
Other Spring	6,882,560	6,424,450	6,110,820
Rice	1,087,400	1,142,440	1,112,900
Rye	195,870	151,760	160,260
Soybeans for Beans	24,094,430	22,869,840	23,452,190
Peanuts for Nuts	665,590	732,290	812,420
Sunflower	722,780	749,080	1,080,520
Canola			51,400
Mustard Seed			7,320
Rapeseed			6,310
Safflower			72,440
Flaxseed	65,960	102,390	136,380
All Cotton	3,859,810	4,747,660	5,197,190
Upland	3,709,390	4,655,760	5,099,820
Amer-Pima	150,420	91,910	97,370
All Hay	25,616,880	24,850,800	25,323,480
Alfalfa	10,499,280	10,279,530	10,353,990
All Other	15,117,600	14,571,270	14,969,480
Dry Edible Beans	668,100	843,540	753,820
Dry Edible Peas	70,420	64,350	75,680
Austrian Winter Peas	4,130	4,650	4,650
Lentils	37,230	42,090	48,970
Potatoes			
Winter	5,300	5,340	4,940
Spring	35,980	38,490	35,410
Summer	37,840	38,970	39,580
Fall	439,490	471,870	476,680
Total	518,610	554,670	556,610
Sweetpotatoes	34,800	36,220	31,360
Tobacco	274,460	296,760	308,010
Sugarbeets	523,870	557,340	561,990
Sugarcane for			
Sugar and Seed	344,760	321,400	363,650
Peppermint Oil	40,790	41,200	44,800
Spearmint Oil	10,680	13,640	16,470
Taro (HI)	170	170	240
Coffee (HI)	930	970	690
Hops	13,980	14,350	16,030
Ginger Root (HI)	70	80	100
<b>Principal Crops</b>	<b>123,738,510</b>	<b>125,093,240</b>	<b>123,387,420</b>

Crop Summary: Yield, United States, 1989-91  
(Metric Units)

Crop	Yield		
	1989	1990	1991
	Metric Tons		
Corn for Grain	7.30	7.44	6.81
Corn for Silage	29.22	31.79	29.58
Sorghum for Grain	3.48	3.96	3.70
Sorghum for Silage	23.40	22.87	22.30
Oats	1.95	2.16	1.81
Barley	2.62	3.02	2.97
All Wheat	2.20	2.66	2.31
Winter	2.36	2.74	2.34
Durum	1.69	2.35	2.19
Other Spring	1.94	2.47	2.25
Rice	6.44	6.20	6.30
Rye	1.77	1.70	1.55
Soybeans for Beans	2.17	2.29	2.30
Peanuts for Nuts	2.72	2.23	2.76
Sunflower	1.10	1.38	1.52
Canola			1.47
Mustard Seed			1.04
Rapeseed			1.16
Safflower			1.45
Flaxseed	.47	.95	1.14
All Cotton	.69	.71	.73
Upland	.68	.71	.73
Amer-Pima	1.00	.85	.89
All Hay	5.15	5.36	5.50
Alfalfa	6.69	7.37	7.34
All Other	4.09	3.94	4.22
Dry Edible Beans	1.61	1.74	1.98
Dry Edible Peas	2.50	1.67	2.23
Austrian Winter Peas	1.82	1.24	1.35
Lentils	1.41	.94	1.55
Potatoes			
Winter	23.65	19.90	23.96
Spring	26.29	28.48	26.43
Summer	26.56	26.88	26.33
Fall	33.51	33.89	35.40
Total	32.40	32.88	34.08
Sweetpotatoes	14.80	15.77	16.63
Tobacco	2.26	2.49	2.44
Sugarbeets	43.52	44.78	44.95
Sugarcane for			
Sugar and Seed	77.43	79.42	75.48
Peppermint Oil	.07	.08	.07
Spearmint Oil	.08	.09	.08
Taro (HI)	17.35	15.47	13.25
Coffee (HI)	1.56	1.57	1.32
Hops	1.92	1.80	1.96
Ginger Root (HI)	58.29	53.88	54.40

Crop Summary: Production, United States, 1989-91  
(Metric Units)

Crop	Production		
	1989	1990	1991
	Metric Tons		
Corn for Grain	191,156,330	201,533,590	189,860,540
Corn for Silage	78,116,770	78,783,550	73,031,090
Sorghum for Grain	15,632,390	14,562,570	14,719,720
Sorghum for Silage	5,122,870	4,877,930	4,359,930
Oats	5,422,600	5,189,450	3,520,260
Barley	8,800,480	9,192,230	10,113,180
All Wheat	55,427,660	74,473,360	53,905,930
Winter	39,588,870	55,271,330	37,344,670
Durum	2,510,060	3,332,000	2,829,250
Other Spring	13,328,730	15,870,030	13,732,010
Rice	7,007,410	7,080,030	7,006,050
Rye	346,650	258,480	247,940
Soybeans for Beans	52,353,610	52,415,690	54,038,200
Peanuts for Nuts	1,809,830	1,634,190	2,242,550
Sunflower	798,210	1,031,650	1,637,460
Canola			75,460
Mustard Seed			7,590
Rapeseed			7,320
Safflower			105,140
Flaxseed	30,860	96,830	154,950
All Cotton	2,655,280	3,375,900	3,819,210
Upland	2,504,680	3,297,850	3,732,340
Amer-Pima	150,600	78,050	86,870
Cottonseed	4,243,270	5,414,530	6,131,570
All Hay	132,006,260	133,192,860	139,239,250
Alfalfa	70,188,880	75,799,820	76,017,550
All Other	61,817,380	57,393,040	63,221,700
Dry Edible Beans	1,076,330	1,468,690	1,495,180
Dry Edible Peas	176,130	107,590	168,510
Austrian Winter Peas	7,530	5,760	6,300
Lentils	52,660	39,690	75,800
Wrinkled Seed Peas	56,700	41,820	41,960
Potatoes			
Winter	125,370	106,280	118,340
Spring	945,830	1,096,020	936,030
Summer	1,004,930	1,047,660	1,042,310
Fall	14,726,920	15,989,450	16,873,860
Total	16,803,050	18,239,410	18,970,540
Sweetpotatoes	515,190	571,250	521,450
Tobacco	620,150	737,710	752,980
Sugarbeets	22,798,460	24,959,370	25,263,280
Sugarcane for			
Sugar and Seed	26,694,820	25,524,550	27,448,690
Peppermint Oil	3,020	3,150	2,930
Spearmint Oil	840	1,160	1,330
Taro (HI)	2,950	2,630	3,180
Coffee (HI)	1,450	1,520	910
Hops	26,910	25,790	31,370
Ginger Root (HI)	4,080	4,310	5,440

Principal Crops: Area Harvested, United States, 1982-91

Year	Corn For Grain	Sorghum For Grain	Oats	Barley	Feed Grains <u>1/</u>	
1,000 Acres						
1982	72,719.0	14,137.0	10,258.0	9,013.0	106,127.0	
1983	51,479.0	10,001.0	9,062.0	9,721.0	80,263.0	
1984	71,897.0	15,355.0	8,163.0	11,218.0	106,633.0	
1985	75,209.0	16,782.0	8,147.0	11,591.0	111,729.0	
1986	68,907.0	13,862.0	6,840.0	11,974.0	101,583.0	
1987	59,505.0	10,531.0	6,888.0	9,957.0	86,881.0	
1988	58,250.0	9,042.0	5,533.0	7,636.0	80,461.0	
1989	64,703.0	11,103.0	6,882.0	8,313.0	91,001.0	
1990	66,952.0	9,089.0	5,945.0	7,529.0	89,515.0	
1991	68,842.0	9,820.0	4,796.0	8,413.0	91,871.0	
Wheat						
	Winter	Durum	Other Spring	Rice	Rye	Food Grains <u>2/</u>
1,000 Acres						
1982	57,633.0	4,177.0	16,127.0	3,262.0	677.0	81,876.0
1983	47,584.0	2,492.0	11,314.0	2,169.0	892.0	64,451.0
1984	51,513.0	3,219.0	12,196.0	2,802.0	979.0	70,709.0
1985	47,923.0	3,094.0	13,687.0	2,492.0	708.0	67,904.0
1986	43,170.0	2,877.0	14,641.0	2,360.0	661.0	63,709.0
1987	39,332.0	3,279.0	13,334.0	2,333.0	671.0	58,949.0
1988	39,800.0	2,847.0	10,542.0	2,900.0	595.0	56,684.0
1989	41,509.0	3,673.0	17,007.0	2,687.0	484.0	65,360.0
1990	49,901.0	3,507.0	15,875.0	2,823.0	375.0	72,481.0
1991	39,396.0	3,197.0	15,100.0	2,750.0	396.0	60,839.0
Corn						
	Soybeans For Beans	Flaxseed	For Silage	For Forage	Sorghum For Silage	For Forage
1,000 Acres						
1982	69,442.0	735.0	8,252.0	307.0	603.0	914.0
1983	62,525.0	580.0	7,808.0	300.0	639.0	747.0
1984	66,113.0	538.0	7,535.0	329.0	609.0	679.0
1985	61,599.0	584.0	7,155.0	306.0	534.0	626.0
1986	58,312.0	683.0	6,418.0		499.0	
1987	57,172.0	463.0	5,994.0		429.0	
1988	57,373.0	226.0	8,294.0		518.0	
1989	59,538.0	163.0	6,606.0		541.0	
1990	56,512.0	253.0	6,124.0		527.0	
1991	57,951.0	337.0	6,101.0		483.0	

See footnotes at end of table.

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Principal Crops: Area Harvested, United States, 1982-91 (continued)

Year	Peanuts For Nuts	Sunflower	Cotton	All Hay	Dry Edible Beans	Dry Edible Peas <u>3/</u>	
1,000 Acres							
1982	1,277.4	4,724.0	9,733.9	59,812.0	1,777.0		
1983	1,373.5	3,063.0	7,347.5	59,694.0	1,138.7		
1984	1,528.0	3,692.0	10,379.1	61,414.0	1,460.3		
1985	1,467.4	2,844.0	10,229.0	60,461.0	1,481.4		
1986	1,535.2	1,955.0	8,468.4	62,334.0	1,495.0	179.0	
1987	1,547.4	1,775.0	10,030.3	60,133.0	1,665.4	161.0	
1988	1,628.4	1,921.0	11,948.2	65,055.0	1,353.0	179.0	
1989	1,644.7	1,786.0	9,537.7	63,300.0	1,650.9	174.0	
1990	1,809.5	1,851.0	11,731.6	61,407.0	2,084.4	159.0	
1991	2,007.5	2,670.0	12,842.4	62,575.0	1,862.7	187.0	
1,000 Acres							
	Austrian Winter Peas <u>3/</u>	Lentils <u>3/</u>	Taro	Coffee	Hops	Peppermint	Spearmint
1,000 Acres							
1982			0.4	1.9	39.6	60.9	22.8
1983			0.4	1.8	36.9	61.3	26.2
1984			0.4	1.7	30.8	67.2	27.9
1985			0.4	1.7	28.1	66.3	30.3
1986	31.5	158.0	0.4	2.0	25.0	65.4	28.7
1987	35.0	142.0	0.4	2.1	28.3	67.0	24.0
1988	10.0	71.0	0.4	2.2	33.4	80.5	22.6
1989	10.2	92.0	0.4	2.3	34.5	100.8	26.4
1990	11.5	104.0	0.4	2.4	35.5	101.8	33.7
1991	11.5	121.0	0.6	1.7	39.6	110.7	40.7
1,000 Acres							
	Sugarbeets	Sugarcane For Sugar and Seed	Potatoes	Sweetpotatoes	Tobacco		
1,000 Acres							
1982	1,026.8	741.7	1,266.9	115.4	912.7		
1983	1,055.8	767.7	1,241.5	102.4	789.2		
1984	1,096.3	747.3	1,297.8	102.9	791.7		
1985	1,102.5	770.0	1,358.7	103.3	688.0		
1986	1,192.2	796.2	1,220.2	90.8	580.6		
1987	1,252.4	823.6	1,293.4	88.9	586.3		
1988	1,300.7	845.3	1,259.3	85.5	634.0		
1989	1,294.5	851.9	1,281.5	86.0	678.2		
1990	1,377.2	794.2	1,370.6	89.5	733.3		
1991	1,388.7	898.6	1,375.4	77.5	761.1		

1/ Corn for grain, sorghum for grain, oats and barley.

--continued

2/ Wheat, rye and rice. 3/ Not available prior to 1986.

Principal Crops: Area Planted and Harvested,  
United States, 1982-91 (continued)

Year	Planted <u>1/</u>	Harvested <u>2/</u>
1,000 Acres		
1982	358,708	349,644
1983	309,536	293,886
1984	345,110	335,654
1985	342,224	330,942
1986	327,301	311,240
1987	304,945	289,422
1988	308,170	289,846
1989	317,247	305,761
1990	319,432	309,109
1991	314,342	304,894

1/ Crop acreages included are planted for corn, sorghum, oats, barley, durum, and other spring wheat, rice, soybeans, canola, mustard seed, rapeseed, safflower, flaxseed, peanuts, sunflower, cotton, dry edible beans, dry edible peas (beginning 1986), Austrian winter peas, (beginning 1986), lentils (beginning 1986), potatoes, sweetpotatoes, and sugarbeets.

2/ Crop acreages included are corn (for grain and silage; for all corn prior to 1984), sorghum (for grain and silage; for all sorghum prior to 1984), oats, barley, wheat, rice, rye, soybeans, canola, mustard seed, rapeseed, safflower, flaxseed, peanuts, sunflower, cotton, all hay, dry edible beans, dry edible peas (beginning 1986), Austrian winter peas (beginning 1986), lentils (beginning 1986), potatoes, sweetpotatoes, tobacco, sugarbeets, and sugarcane.

Principal Crops: Yields Per Acre Harvested, United States, 1982-91

Year	Corn For Grain	Sorghum For Grain	Oats	Barley	All Wheat	Rice	Rye	Soybeans For Grain
	----- Bushels -----					Pounds	-- Bushels --	
1982	113.2	59.1	57.8	57.2	35.5	4,710	28.9	31.5
1983	81.1	48.7	52.6	52.3	39.4	4,598	30.3	26.2
1984	106.7	56.4	58.0	53.3	38.8	4,954	33.1	28.1
1985	118.0	66.8	63.6	50.9	37.5	5,414	28.8	34.1
1986	119.4	67.7	56.3	50.8	34.4	5,651	28.8	33.3
1987	119.8	69.4	54.3	52.4	37.7	5,555	29.1	33.9
1988	84.6	63.8	39.3	38.0	34.1	5,514	24.7	27.0
1989	116.3	55.4	54.3	48.6	32.7	5,749	28.2	32.3
1990	118.5	63.1	60.1	56.1	39.5	5,529	27.1	34.1
1991	108.6	59.0	50.6	55.2	34.3	5,617	24.6	34.3
	Flaxseed	Peanuts For Nuts	Sunflower	Cotton	All Hay	Dry Edible Beans	Dry Edible Peas <u>1/</u>	
	Bushels		Pounds		Tons	Pounds		
1982	14.0	2,693	1,129	590	2.50	1,439		
1983	11.9	2,399	1,044	508	2.36	1,363		
1984	13.1	2,883	1,014	600	2.45	1,443		
1985	14.2	2,810	1,109	630	2.46	1,505		
1986	16.9	2,408	1,369	552	2.49	1,536	1,785	
1987	16.1	2,337	1,469	706	2.45	1,563	2,102	
1988	7.1	2,445	933	619	1.94	1,423	2,161	
1989	7.5	2,426	985	614	2.30	1,437	2,232	
1990	15.1	1,991	1,229	634	2.39	1,553	1,492	
1991	18.1	2,463	1,352	656	2.45	1,770	1,987	
	Austrian Winter Peas <u>1/</u>	Lentils <u>1/</u>	Potatoes	Sweet- Potatoes	Tobacco	Sugarbeets		
	Pounds		Cwt		Pounds	Tons		
1982			280	129	2,185	20.3		
1983			269	118	1,811	19.9		
1984			279	125	2,183	20.2		
1985			300	141	2,197	20.4		
1986	1,429	1,199	296	136	2,001	21.1		
1987	1,571	1,263	298	131	2,028	22.4		
1988	1,330	1,259	283	128	2,160	19.1		
1989	1,627	1,262	289	132	2,016	19.4		
1990	1,104	841	293	141	2,218	20.0		
1991	1,209	1,381	304	148	2,181	20.1		

1/ Not available prior to 1986.

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Principal Crops: Yields Per Acre Harvested,  
United States, 1982-91 (continued)

Year	Taro	Coffee	Hops	Peppermint	Spearment
	Pounds				
1982	16,200	521	1,980	60	59
1983	13,600	1,560	1,850	63	61
1984	15,800	1,030	1,820	64	72
1985	17,200	1,090	1,770	66	77
1986	15,800	1,500	1,960	67	93
1987	15,800	878	1,770	67	86
1988	16,200	930	1,638	67	77
1989	15,100	1,390	1,717	66	70
1990	13,800	1,400	1,603	68	76
1991	11,700	1,180	1,748	58	72

Principal Crops: Production, United States, 1982-91

Year	Corn For Grain	Sorghum For Grain	Oats	Barley	Feed Grains <u>1/</u>	
	1,000 Bushels				1,000 Tons	
1982	8,235,101	835,083	592,630	515,935	275,830	
1983	4,174,251	487,521	476,471	508,269	150,352	
1984	7,672,130	866,241	473,661	598,034	261,006	
1985	8,875,453	1,120,271	518,490	590,213	302,341	
1986	8,225,764	938,869	384,996	608,532	277,374	
1987	7,131,300	730,809	373,713	521,499	238,634	
1988	4,928,681	576,686	217,600	289,994	164,592	
1989	7,525,493	615,420	373,587	404,203	243,624	
1990	7,934,028	573,303	357,524	422,196	254,058	
1991	7,474,480	579,490	242,526	464,495	240,539	
			Wheat			
	Rye	Winter	Durum	Other Spring	All	
	1,000 Bushels					
1982	19,533	2,073,560	145,863	545,544	2,764,967	
1983	27,008	1,988,304	72,979	358,541	2,419,824	
1984	32,407	2,060,266	103,439	431,072	2,594,777	
1985	20,373	1,826,625	112,510	484,980	2,424,115	
1986	19,067	1,520,433	97,907	472,230	2,090,570	
1987	19,526	1,565,381	92,617	449,687	2,107,685	
1988	14,689	1,561,910	44,831	205,460	1,812,201	
1989	13,647	1,454,642	92,229	489,747	2,036,618	
1990	10,176	2,030,874	122,430	583,124	2,736,428	
1991	9,761	1,372,182	103,957	504,565	1,980,704	
	Rice	Food Grains <u>2/</u>	Soybeans	Flaxseed	Cotton Lint <u>3/</u> : Seed	
	1,000 Cwt	1,000 Tons	-- 1,000 Bushels -	1,000 Bales	1,000 Tons	
1982	153,637	91,178	2,190,297	10,278	11,962.7	4,744
1983	99,720	78,337	1,635,772	6,903	7,771.4	3,076
1984	138,810	85,691	1,860,863	7,022	12,981.8	5,149
1985	134,913	80,040	2,099,056	8,293	13,432.2	5,279
1986	133,356	69,919	1,942,558	11,538	9,731.1	3,801
1987	129,603	70,257	1,938,087	7,444	14,759.9	5,802
1988	159,897	62,772	1,548,841	1,615	15,411.5	6,062
1989	154,487	69,205	1,923,666	1,215	12,195.6	4,677
1990	156,088	90,182	1,925,947	3,812	15,505.4	5,969
1991	154,457	67,417	1,985,564	6,100	17,541.5	6,759

See footnotes on page A-19.

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Principal Crops: Production, United States, 1982-91 (continued)

Year	All Hay	Corn For Silage	Sorghum For Silage	Dry Edible Beans	Dry Edible Peas 4/	
	----- 1,000 Tons -----			----- 1,000 Cwt -----		
1982	149,241	117,782	7,403	25,563		
1983	140,738	96,238	6,572	15,520		
1984	150,582	104,491	6,472	21,070		
1985	148,719	102,664	6,566	22,298		
1986	155,385	90,227	5,878	22,960	3,196	
1987	147,319	86,442	5,307	26,031	3,385	
1988	126,010	78,791	5,252	19,253	3,868	
1989	145,512	86,109	5,647	23,729	3,883	
1990	146,820	86,844	5,377	32,379	2,372	
1991	153,485	80,503	4,806	32,963	3,715	
	Wrinkled Seed Peas 4/	Austrian Winter Peas 4/	Lentils 4/	Sweet-Potatoes	Potatoes	Peanuts Harvested For Nuts
	----- 1,000 Cwt -----					1,000 Lbs
1982				14,833	355,131	3,440,255
1983				12,083	333,911	3,295,530
1984				12,902	362,612	4,405,945
1985				14,573	407,109	4,122,787
1986	864	450	1,895	12,368	361,511	3,697,085
1987	650	550	1,794	11,611	385,774	3,616,010
1988	1,017	133	894	10,945	356,438	3,980,917
1989	1,250	166	1,161	11,358	370,444	3,989,995
1990	922	127	875	12,594	402,110	3,602,770
1991	925	139	1,671	11,496	418,229	4,943,970
	Sunflower	Tobacco		Sugarbeets		Sugarcane For Sugar and Seed
	----- 1,000 Pounds -----			----- 1,000 Tons -----		
1982	5,332,820	1,994,494		20,894		29,770
1983	3,198,500	1,428,969		20,992		28,161
1984	3,744,530	1,727,962		22,134		27,340
1985	3,153,020	1,511,638		22,529		28,213
1986	2,675,750	1,161,940		25,150		30,311
1987	2,608,150	1,188,868		28,072		29,218
1988	1,791,970	1,369,500		24,810		29,904
1989	1,759,760	1,367,188		25,131		29,426
1990	2,274,405	1,626,380		27,513		28,136
1991	3,609,990	1,660,034		27,848		30,257

See footnotes on page A-19.

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Principal Crops: Production, United States, 1982-91 (continued)

Year	Peppermint	Spearmint	Taro	Coffee	Hops
	1,000 Pounds				
1982	3,668	1,355	6,460	990	78,588
1983	3,867	1,596	5,440	2,800	68,111
1984	4,334	2,019	6,310	1,750	56,167
1985	4,356	2,323	6,860	1,850	49,713
1986	4,376	2,666	6,330	3,000	48,962
1987	4,495	2,060	6,300	1,800	50,048
1988	5,360	1,745	6,800	2,000	54,696
1989	6,652	1,846	6,500	3,200	59,326
1990	6,953	2,565	5,800	3,350	56,855
1991	6,468	2,927	7,000	2,000	69,155

1/ Corn for grain, sorghum for grain, oats, and barley.

2/ Wheat, rye, and rice.

3/ 480-pounds net weight bales.

4/ Not available prior to 1986.

Principal Crops: Area Planted and Harvested,  
by State and United States, 1989-91 1/ 2/

State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
AL	2,425	2,431	2,306	2,338	2,342	2,240
AZ	836	808	777	830	802	770
AR	7,757	8,220	8,010	7,603	8,080	7,863
CA	5,360	5,237	4,795	4,900	4,797	4,340
CO	5,818	5,969	5,700	5,677	5,862	5,580
CT	134	133	132	128	129	125
DE	554	501	565	537	496	556
FL	1,161	1,105	1,076	1,128	1,076	1,040
GA	4,310	4,110	3,849	4,205	3,793	3,774
HA	81	79	74	81	79	74
ID	4,413	4,346	4,280	4,333	4,281	4,215
IL	23,541	23,368	23,391	22,977	22,759	22,906
IN	11,817	11,625	11,661	11,631	11,485	11,555
IA	24,927	24,177	23,852	24,097	23,276	23,376
KS	19,221	21,307	21,036	18,794	20,978	20,712
KY	5,547	5,548	5,530	5,487	5,505	5,495
LA	4,354	4,457	3,797	4,093	4,367	3,571
ME	374	379	369	364	361	351
MD	1,641	1,579	1,587	1,602	1,552	1,561
MA	144	142	141	136	135	136
MI	6,488	6,621	6,781	6,360	6,510	6,713
MN	19,384	19,431	19,307	18,661	18,779	18,719
MS	4,875	4,915	4,620	4,614	4,723	4,481
MO	13,391	12,839	13,054	13,249	12,685	12,900
MT	9,787	9,598	9,130	9,475	8,926	8,687
NE	17,966	18,452	18,629	17,450	18,044	18,316
NV	557	524	500	554	520	495
NH	95	93	94	93	91	92
NJ	390	370	388	380	364	382
NM	1,012	981	1,061	968	881	1,047
NY	3,617	3,575	3,494	3,560	3,538	3,443
NC	4,644	4,519	4,539	4,526	4,370	4,428
ND	21,998	22,240	21,600	20,660	21,229	20,925

See footnotes on page A-21.

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Principal Crops: Area Planted and Harvested,  
by State and United States, 1989-91 1/ 2/ (continued)

State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
OH	10,341	10,263	10,124	10,259	10,132	9,972
OK	9,547	9,792	8,810	9,396	9,688	8,614
OR	2,402	2,337	2,318	2,339	2,290	2,260
PA	4,254	4,154	4,143	4,198	4,094	4,067
RI	10	10	10	10	10	10
SC	2,364	2,176	1,885	2,283	2,049	1,827
SD	16,015	16,129	16,145	15,210	15,552	15,640
TN	4,647	4,549	4,447	4,570	4,477	4,379
TX	19,187	20,419	20,098	16,697	18,550	17,608
UT	1,027	1,037	1,030	983	992	973
VT	453	451	442	442	441	434
VA	2,823	2,766	2,715	2,768	2,726	2,660
WA	4,128	4,245	4,157	4,045	4,168	4,046
WV	669	674	627	664	668	615
WI	8,908	8,805	8,735	8,615	8,550	8,449
WY	1,690	1,774	1,925	1,628	1,735	1,889
Oth Sts <u>3/</u>	165	174	613	165	174	586
US	317,247	319,432	314,342	305,761	309,109	304,894

1/ States may not add due to rounding.

2/ Crops included in area planted are corn, sorghum, oats, barley, durum wheat, other spring wheat, rice, soybeans, peanuts, sunflower, flaxseed, cotton, dry edible beans, dry edible peas, Austrian winter peas, lentils, potatoes, sweetpotatoes, sugarbeets, canola, mustard seed, rapeseed, and safflower; harvested acreages for winter wheat, rye, all hay, tobacco, sugarcane, peppermint, spearmint, taro, coffee, hops, and ginger root are used in computing total area planted. Crops included in area harvested are all the crops included in the table on page A-5.

3/ Includes other States for flaxseed and sunflower, and totals for canola, mustard seed, rapeseed, safflower, peppermint, spearmint, taro, coffee, hops, and ginger root.

**Corn: Area Planted for all Purposes and Harvested for Grain,  
by State and United States, 1989-91**

State	Area Planted for All Purposes			Area Harvested for Grain		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
AL	230	290	260	180	240	210
AZ	20	15	14	13	7	5
AR	62	80	90	58	73	80
CA	380	375	330	185	160	115
CO	1,050	950	950	930	830	840
CT <sup>1/</sup>	49	45	46			
DE	140	180	175	133	172	169
FL	115	105	110	80	75	75
GA	610	660	600	550	550	550
ID	130	100	125	50	30	63
IL	10,900	10,600	11,200	10,750	10,400	11,000
IN	5,350	5,600	5,700	5,200	5,450	5,550
IA	12,600	12,800	12,500	12,250	12,400	12,200
KS	1,370	1,600	1,800	1,240	1,450	1,650
KY	1,330	1,350	1,400	1,180	1,200	1,250
LA	160	200	275	142	186	247
ME <sup>1/</sup>	33	40	35			
MD	480	550	550	400	450	450
MA <sup>1/</sup>	38	36	34			
MI	2,300	2,400	2,600	1,970	2,070	2,300
MN	6,200	6,700	6,600	5,600	6,150	6,000
MS	180	190	190	140	140	150
MO	2,400	2,100	2,300	2,290	1,960	2,200
MT	80	65	75	4	9	15
NE	7,400	7,700	8,200	7,000	7,300	7,800
NH <sup>1/</sup>	19	17	18			
NJ	95	100	100	71	75	77
NM	85	85	92	60	55	60
NY	1,150	1,210	1,230	570	620	660
NC	1,050	1,200	1,050	950	1,070	950
ND	880	850	930	465	460	570
OH	3,150	3,700	3,700	2,900	3,450	3,400
OK	95	105	120	78	88	85
OR	50	50	45	22	18	15
PA	1,380	1,380	1,400	960	970	860
RI <sup>1/</sup>	2	2	2			
SC	390	390	280	340	320	255
SD	3,400	3,400	3,750	2,650	3,000	3,250
TN	650	620	620	530	510	510
TX	1,650	1,650	1,700	1,400	1,450	1,500
UT	65	65	68	20	19	21
VT <sup>1/</sup>	88	86	92			
VA	510	530	500	365	365	335
WA	130	120	130	90	80	88
WV	85	90	85	46	50	38
WI	3,600	3,700	3,800	2,800	3,000	3,200
WY	90	90	80	41	50	49
US	72,221	74,171	75,951	64,703	66,952	68,842

<sup>1/</sup> Area harvested for grain not estimated.

Corn for Grain: Yield and production,  
by State and United States, 1989-91

State	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Bushels			1,000 Bushels		
AL	81.0	58.0	80.0	14,580	13,920	16,800
AZ	145.0	160.0	170.0	1,885	1,120	850
AR	122.0	95.0	100.0	7,076	6,935	8,000
CA	160.0	160.0	160.0	29,600	25,600	18,400
CO	145.0	155.0	153.0	134,850	128,650	128,520
CT <sup>1/</sup>						
DE	100.0	115.0	106.0	13,300	19,780	17,914
FL	74.0	71.0	68.0	5,920	5,325	5,100
GA	95.0	68.0	100.0	52,250	37,400	55,000
ID	125.0	130.0	125.0	6,250	3,900	7,875
IL	123.0	127.0	107.0	1,322,250	1,320,800	1,177,000
IN	133.0	129.0	92.0	691,600	703,050	510,600
IA	118.0	126.0	117.0	1,445,500	1,562,400	1,427,400
KS	125.0	130.0	125.0	155,000	188,500	206,250
KY	116.0	100.0	89.0	136,880	120,000	111,250
LA	95.0	116.0	85.0	13,490	21,576	20,995
ME <sup>1/</sup>						
MD	110.0	118.0	95.0	44,000	53,100	42,750
MA <sup>1/</sup>						
MI	113.0	115.0	110.0	222,610	238,050	253,000
MN	125.0	124.0	120.0	700,000	762,600	720,000
MS	70.0	80.0	75.0	9,800	11,200	11,250
MO	96.0	105.0	97.0	219,840	205,800	213,400
MT	80.0	95.0	120.0	320	855	1,800
NE	121.0	128.0	127.0	847,000	934,400	990,600
NH <sup>1/</sup>						
NJ	102.0	118.0	110.0	7,242	8,850	8,470
NM	160.0	145.0	165.0	9,600	7,975	9,900
NY	93.0	98.0	98.0	53,010	60,760	64,680
NC	93.0	68.0	90.0	88,350	72,760	85,500
ND	75.0	80.0	90.0	34,875	36,800	51,300
OH	118.0	121.0	96.0	342,200	417,450	326,400
OK	120.0	114.0	110.0	9,360	10,032	9,350
OR	160.0	150.0	146.0	3,520	2,700	2,190
PA	103.0	113.0	75.0	98,880	109,610	64,500
RI <sup>1/</sup>						
SC	91.0	48.0	85.0	30,940	15,360	21,675
SD	72.0	78.0	74.0	190,800	234,000	240,500
TN	107.0	86.0	86.0	56,710	43,860	43,860
TX	106.0	90.0	110.0	148,400	130,500	165,000
UT	132.0	140.0	140.0	2,640	2,660	2,940
VT <sup>1/</sup>						
VA	110.0	100.0	84.0	40,150	36,500	28,140
WA	175.0	175.0	180.0	15,750	14,000	15,840
WV	95.0	105.0	75.0	4,370	5,250	2,850
WI	111.0	118.0	119.0	310,800	354,000	380,800
WY	95.0	120.0	119.0	3,895	6,000	5,831
US	116.3	118.5	108.6	7,525,493	7,934,028	7,474,480

<sup>1/</sup> Not estimated.

Corn for Silage: Area Harvested, Yield, and Production,  
by State and United States, 1989-91

State	Area Harvested			Yield			Production		
	1989	1990	1991	1989	1990	1991	1989	1990	1991
	---- 1,000 Acres ----			----- Tons -----			----- 1,000 Tons -----		
AL	25	20	35	10.0	10.0	10.0	250	200	350
AZ	7	8	9	27.0	27.0	28.0	189	216	252
AR	3	6	9	12.0	12.0	14.0	36	72	126
CA	189	210	210	24.0	25.0	25.0	4,536	5,250	5,250
CO	115	117	105	22.0	22.5	22.0	2,530	2,633	2,310
CT	43	41	39	16.5	19.0	17.0	710	779	663
DE	6	7	5	16.0	16.0	18.0	96	112	90
FL	22	15	15	16.0	17.5	14.0	352	263	210
GA	40	50	40	14.5	12.0	15.0	580	600	600
ID	78	68	60	23.5	23.0	23.0	1,833	1,564	1,380
IL	140	130	150	14.0	14.0	13.0	1,960	1,820	1,950
IN	120	100	120	16.5	17.0	13.0	1,980	1,700	1,560
IA	340	300	250	13.5	15.5	15.0	4,590	4,650	3,750
KS	105	120	140	14.0	13.0	13.0	1,470	1,560	1,820
KY	140	140	140	16.0	15.0	14.0	2,240	2,100	1,960
LA	14	11	8	16.0	17.0	12.0	224	187	96
ME	27	32	28	15.0	15.0	15.5	405	480	434
MD	75	95	95	16.0	14.0	8.0	1,200	1,330	760
MA	30	29	29	18.5	18.5	17.5	555	537	508
MI	300	280	285	13.0	14.5	14.0	3,900	4,060	3,990
MN	520	480	420	10.5	12.0	13.5	5,460	5,760	5,670
MS	25	25	27	12.0	12.0	12.0	300	300	324
MO	90	90	80	12.5	13.0	10.0	1,125	1,170	800
MT	75	55	59	18.0	19.0	18.0	1,350	1,045	1,062
NE	325	325	330	12.5	13.5	12.5	4,063	4,388	4,125
NH	17	15	16	19.5	19.5	19.0	332	293	304
NJ	22	23	22	14.0	18.0	15.0	308	414	330
NM	20	27	30	20.0	19.0	23.0	400	513	690
NY	550	580	550	13.0	15.0	14.0	7,150	8,700	7,700
NC	95	85	90	15.0	12.0	16.0	1,425	1,020	1,440
ND	340	360	330	3.7	4.0	5.6	1,258	1,440	1,848
OH	240	180	210	14.0	16.0	13.0	3,360	2,880	2,730
OK	14	15	20	14.0	16.0	14.0	196	240	280
OR	27	30	28	24.0	24.0	23.0	648	720	644
PA	400	390	520	15.0	16.0	10.0	6,000	6,240	5,200
RI	2	2	2	19.0	18.0	18.0	38	36	36
SC	25	35	20	13.5	12.5	10.0	338	438	200
SD	690	375	450	5.0	6.2	5.8	3,450	2,325	2,610
TN	110	100	105	15.0	16.0	17.0	1,650	1,600	1,785
TX	50	85	50	18.5	13.0	17.0	925	1,105	850
UT	44	45	44	19.0	20.5	21.0	836	923	924
VT	77	76	84	17.5	17.5	15.0	1,348	1,330	1,260
VA	140	160	160	16.0	14.0	13.5	2,240	2,240	2,160
WA	40	40	42	25.0	23.0	26.0	1,000	920	1,092
WV	38	38	40	15.5	15.0	10.0	589	570	400
WI	764	670	570	13.0	14.0	13.0	9,932	9,380	7,410
WY	47	39	30	16.0	19.0	19.0	752	741	570
US	6,606	6,124	6,101	13.0	14.2	13.2	86,109	86,844	80,503

Sorghum: Area Planted and Harvested by State and United States, 1989-91

State	Area Planted for All Purposes			Area Harvested for Grain		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
AL	45	30	30	30	22	23
AZ 1/	6			3		
AR	370	300	290	340	275	270
CA 1/	13			9		
CO	400	270	320	325	220	270
GA	90	80	90	50	40	50
IL	150	210	180	140	195	173
KS	4,100	3,100	3,400	3,750	2,800	3,150
KY	13	35	32	9	31	28
LA	110	135	205	95	128	184
MS	100	90	85	85	85	70
MO	600	550	550	570	520	520
NE	1,850	1,600	1,450	1,630	1,410	1,300
NM	280	140	180	250	50	170
NC	90	65	45	60	40	25
OK	400	380	350	360	350	300
SC	30	40	32	10	8	12
SD	460	500	500	260	260	310
TN	35	60	75	27	55	65
TX	3,500	2,950	3,200	3,100	2,600	2,900
US	12,642	10,535	11,014	11,103	9,089	9,820

1/ Estimates discontinued in 1990.

Sorghum for Grain: Yield and Production,  
by State and United States, 1989-91

State	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Bushels			1,000 Bushels		
AL	50.0	45.0	55.0	1,500	990	1,265
AZ 1/	80.0			240		
AR	62.0	66.0	57.0	21,080	18,150	15,390
CA 1/	90.0			810		
CO	35.0	47.0	40.0	11,375	10,340	10,800
GA	40.0	30.0	50.0	2,000	1,200	2,500
IL	83.0	75.0	80.0	11,620	14,625	13,840
KS	53.0	66.0	56.0	198,750	184,800	176,400
KY	80.0	84.0	73.0	720	2,604	2,044
LA	65.0	65.0	55.0	6,175	8,320	10,120
MS	53.0	65.0	62.0	4,505	5,525	4,340
MO	79.0	82.0	72.0	45,030	42,640	37,440
NE	62.0	77.0	66.0	101,060	108,570	85,800
NM	50.0	65.0	60.0	12,500	3,250	10,200
NC	54.0	46.0	50.0	3,240	1,840	1,250
OK	49.0	47.0	45.0	17,640	16,450	13,500
SC	45.0	33.0	38.0	450	264	456
SD	40.0	55.0	42.0	10,400	14,300	13,020
TN	75.0	77.0	65.0	2,025	4,235	4,225
TX	53.0	52.0	61.0	164,300	135,200	176,900
US	55.4	63.1	59.0	615,420	573,303	579,490

1/ Estimates discontinued in 1990.

Sorghum for Silage: Area Harvested, Yield, and Production,  
by State and United States, 1989-91

State	Area Harvested			Yield			Production		
	1989	1990	1991	1989	1990	1991	1989	1990	1991
	-- 1,000 Acres --			----- Tons -----			----- 1,000 Tons -----		
AL	10	4	5	10.0	9.0	12.0	100	36	60
AZ 1/	3			20.0			60		
AR	7	6	4	11.0	11.0	6.0	77	66	24
CA 1/	3			19.0			57		
CO	25	20	22	14.0	13.0	15.0	350	260	330
GA	35	25	35	12.0	10.0	13.0	420	250	455
IL	6	6	3	12.0	10.0	8.0	72	60	24
KS	130	100	100	11.0	13.5	10.0	1,430	1,350	1,000
KY	3	3	2	14.0	11.0	9.0	42	33	18
LA	4	1	1	11.0	9.0	8.0	44	9	8
MS	5	3	10	9.0	8.0	11.0	45	24	110
MO	15	20	10	10.0	11.0	8.0	150	220	80
NE	110	80	80	11.0	11.5	9.5	1,210	920	760
NM	3	3	3	12.0	12.0	16.0	36	36	48
NC	23	20	15	11.0	9.0	12.0	253	180	180
OK	13	12	8	13.0	9.0	10.0	169	108	80
SC	18	22	18	10.0	6.5	11.0	180	143	198
SD	100	175	130	6.0	8.0	8.0	600	1,400	1,040
TN	6	3	7	11.0	14.0	13.0	66	42	91
TX	22	24	30	13.0	10.0	10.0	286	240	300
US	541	527	483	10.4	10.2	10.0	5,647	5,377	4,806

1/ Estimates discontinued in 1990.

Oats: Area Planted and Harvested,  
by State and United States, 1989-91

State	Area Planted <sup>1/</sup>			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
AL	45	45	55	25	25	25
AR	65	55	50	60	45	30
CA	400	380	380	45	45	35
CO	95	90	88	55	45	30
GA	90	65	95	70	40	60
ID	90	60	80	60	30	45
IL	700	600	450	200	170	120
IN	200	140	100	95	70	45
IA	1,550	1,300	800	750	600	425
KS	280	160	160	200	120	110
KY <sup>2/</sup>	24			8		
ME	40	36	32	37	31	23
MD	28	22	16	24	17	12
MI	330	250	150	300	225	120
MN	1,250	1,100	750	850	730	570
MO	110	60	65	60	42	32
MT	250	160	200	145	70	110
NE	500	450	340	240	280	220
NJ <sup>2/</sup>	8			6		
NY	180	160	130	155	135	100
NC	100	80	85	55	40	40
ND	1,150	1,000	950	650	600	650
OH	300	270	200	250	230	170
OK	130	100	80	60	60	34
OR	105	70	80	70	45	45
PA	280	270	250	255	240	210
SC	70	60	68	40	32	40
SD	1,450	1,250	950	1,100	950	700
TX	1,100	1,100	1,100	200	225	180
UT	36	40	50	17	12	8
VA <sup>2/</sup>	27			9		
WA	85	80	85	45	40	40
WV	10	10	10	6	6	5
WI	940	900	750	710	710	530
WY	67	60	55	30	35	32
US	12,085	10,423	8,654	6,882	5,945	4,796

<sup>1/</sup> Includes area planted preceding fall.

<sup>2/</sup> Estimates discontinued in 1990.

Oats: Yield and Production,  
by State and United States, 1989-91

State	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Bushels			1,000 Bushels		
AL	55.0	50.0	35.0	1,375	1,250	875
AR	73.0	60.0	56.0	4,380	2,700	1,680
CA	75.0	75.0	70.0	3,375	3,375	2,450
CO	55.0	50.0	60.0	3,025	2,250	1,800
GA	59.0	56.0	50.0	4,130	2,240	3,000
ID	68.0	66.0	68.0	4,080	1,980	3,060
IL	80.0	68.0	55.0	16,000	11,560	6,600
IN	72.0	69.0	57.0	6,840	4,830	2,565
IA	72.0	68.0	50.0	54,000	40,800	21,250
KS	45.0	55.0	53.0	9,000	6,600	5,830
KY 1/	60.0			480		
ME	70.0	65.0	60.0	2,590	2,015	1,380
MD	55.0	58.0	35.0	1,320	986	420
MI	67.0	58.0	45.0	20,100	13,050	5,400
MN	55.0	66.0	40.0	46,750	48,180	22,800
MO	60.0	53.0	51.0	3,600	2,226	1,632
MT	46.0	40.0	55.0	6,670	2,800	6,050
NE	36.0	48.0	54.0	8,640	13,440	11,880
NJ 1/	44.0			264		
NY	59.0	61.0	50.0	9,145	8,235	5,000
NC	57.0	61.0	55.0	3,135	2,440	2,200
ND	31.0	51.0	50.0	20,150	30,600	32,500
OH	63.0	70.0	60.0	15,750	16,100	10,200
OK	34.0	38.0	38.0	2,040	2,280	1,292
OR	98.0	102.0	105.0	6,860	4,590	4,725
PA	54.0	66.0	40.0	13,770	15,840	8,400
SC	59.0	57.0	55.0	2,360	1,824	2,200
SD	40.0	56.0	55.0	44,000	53,200	38,500
TX	33.0	41.0	40.0	6,600	9,225	7,200
UT	74.0	68.0	77.0	1,258	816	616
VA 1/	55.0			495		
WA	63.0	66.0	65.0	2,835	2,640	2,600
WV	50.0	57.0	45.0	300	342	225
WI	66.0	67.0	50.0	46,860	47,570	26,500
WY	47.0	44.0	53.0	1,410	1,540	1,696
US	54.3	60.1	50.6	373,587	357,524	242,526

1/ Estimates discontinued in 1990.

Barley: Area Planted and Harvested,  
by State and United States, 1989-91

State	Area Planted <sup>1/</sup>			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
AZ	15	17	22	12	15	20
CA	320	300	240	250	230	160
CO	190	155	140	160	150	130
DE	50	30	40	40	27	37
ID	870	790	800	850	780	790
KS	60	25	30	18	21	23
KY	20	19	25	17	17	22
MD	90	70	85	80	63	78
MI	45	45	35	40	43	33
MN	925	850	900	800	800	875
MT	1,700	1,600	1,800	1,600	1,380	1,650
NE	35	25	30	25	22	27
NV	12	12	8	11	9	4
NJ	12	8	11	8	6	8
NM <sup>2/</sup>	10			5		
NC	50	35	40	43	30	35
ND	2,800	2,600	2,900	2,650	2,450	2,830
OK	25	20	15	20	17	10
OR	200	145	190	180	130	175
PA	90	65	75	85	60	70
SC	12	15	10	10	13	9
SD	650	550	500	550	500	460
TX	25	30	30	15	16	10
UT	134	115	105	114	105	95
VA	95	100	105	75	80	85
WA	500	400	580	490	390	570
WI	80	70	85	65	50	72
WY	110	130	140	100	125	135
US	9,125	8,221	8,941	8,313	7,529	8,413

<sup>1/</sup> Includes area planted in preceding fall.

<sup>2/</sup> Estimates discontinued in 1990.

Barley: Yield and Production,  
by State and United States, 1989-91

State	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Bushels			1,000 Bushels		
AZ	103.0	105.0	120.0	1,236	1,575	2,400
CA	58.0	58.0	59.0	14,500	13,340	9,440
CO	76.0	80.0	80.0	12,160	12,000	10,400
DE	55.0	70.0	68.0	2,200	1,890	2,516
ID	70.0	72.0	75.0	59,500	56,160	59,250
KS	32.0	44.0	33.0	576	924	759
KY	67.0	60.0	55.0	1,139	1,020	1,210
MD	50.0	68.0	64.0	4,000	4,284	4,992
MI	58.0	60.0	43.0	2,320	2,580	1,419
MN	55.0	63.0	50.0	44,000	50,400	43,750
MT	43.0	41.0	52.0	68,800	56,580	85,800
NE	26.0	40.0	45.0	650	880	1,215
NV	90.0	75.0	90.0	990	675	360
NJ	59.0	62.0	61.0	472	372	488
NM <sup>1/</sup>	75.0			375		
NC	48.0	53.0	47.0	2,064	1,590	1,645
ND	37.0	53.0	49.0	98,050	129,850	138,670
OK	40.0	41.0	37.0	800	697	370
OR	67.0	70.0	72.0	12,060	9,100	12,600
PA	59.0	69.0	60.0	5,015	4,140	4,200
SC	56.0	52.0	31.0	560	676	279
SD	35.0	49.0	39.0	19,250	24,500	17,940
TX	32.0	38.0	32.0	480	608	320
UT	79.0	81.0	83.0	9,006	8,505	7,885
VA	65.0	66.0	67.0	4,875	5,280	5,695
WA	58.0	58.0	65.0	28,420	22,620	37,050
WI	57.0	54.0	46.0	3,705	2,700	3,312
WY	70.0	74.0	78.0	7,000	9,250	10,530
US	48.6	56.1	55.2	404,203	422,196	464,495

<sup>1/</sup> Estimates discontinued in 1990.

All Wheat: Area Planted and Harvested,  
by State and United States, 1989-91

State	Area Planted <sup>1/</sup>			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
AL	300	280	170	220	190	110
AZ	120	100	70	118	98	68
AR	1,300	1,500	1,100	1,200	1,400	930
CA	731	680	483	675	619	442
CO	2,775	2,742	2,638	2,270	2,590	2,336
DE	80	65	70	74	60	67
FL	80	65	50	65	55	25
GA	800	650	500	700	590	425
ID	1,460	1,420	1,340	1,370	1,370	1,160
IL	1,850	2,050	1,650	1,780	1,850	1,400
IN	940	1,050	850	880	970	720
IA	80	80	75	70	75	50
KS	12,400	12,400	11,800	8,900	11,800	11,000
KY	630	700	640	450	500	400
LA	390	440	300	350	390	190
MD	230	200	205	215	190	195
MI	660	770	570	640	750	560
MN	2,765	2,960	2,190	2,699	2,865	2,155
MS	525	600	350	450	520	250
MO	1,970	2,150	1,650	1,850	2,000	1,500
MT	6,340	5,745	5,130	5,235	5,185	4,379
NE	2,550	2,450	2,350	2,050	2,250	2,100
NV	18	16	11	15	14	8
NJ	43	36	35	35	29	26
NM	550	520	550	200	300	320
NY	135	150	115	130	145	110
NC	680	600	550	630	550	480
ND	10,800	11,350	10,000	10,330	10,910	9,790
OH	1,260	1,400	1,150	1,230	1,350	1,080
OK	7,300	7,500	7,400	5,700	6,300	5,000
OR	950	1,010	900	920	968	846
PA	220	215	180	215	210	175
SC	460	400	300	435	380	275
SD	3,930	4,140	3,370	3,520	3,789	3,117
TN	540	580	440	450	490	320
TX	6,700	6,700	6,200	3,000	4,200	2,800
UT	190	185	165	177	176	153
VA	300	290	280	275	260	250
WA	3,100	2,600	3,700	2,270	2,480	2,150
WV	16	15	13	12	12	10
WI	212	205	149	180	192	127
WY	235	232	217	204	211	194
US	76,615	77,241	69,906	62,189	69,283	57,693

<sup>1/</sup> Includes area planted in preceding fall.

All Wheat: Yield and Production,  
by State and United States, 1989-91

State	Yield			Production		
	1989	1990	1991	1989	1990	1991
	----- Bushels -----			----- 1,000 Bushels -----		
AL	30.0	35.0	25.0	6,600	6,650	2,750
AZ	90.9	94.6	97.1	10,722	9,266	6,605
AR	44.0	35.0	22.0	52,800	49,000	20,460
CA	77.9	77.8	81.8	52,605	48,165	36,160
CO	27.4	33.6	31.7	62,100	86,950	74,000
DE	42.0	51.0	53.0	3,108	3,060	3,551
FL	29.0	33.0	23.0	1,885	1,815	575
GA	32.0	35.0	33.0	22,400	20,650	14,025
ID	66.7	72.7	70.4	91,420	99,600	81,660
IL	59.0	48.0	32.0	105,020	88,800	44,800
IN	59.0	52.0	40.0	51,920	50,440	28,800
IA	47.0	45.0	34.0	3,290	3,375	1,700
KS	24.0	40.0	33.0	213,600	472,000	363,000
KY	50.0	40.0	27.0	22,500	20,000	10,800
LA	31.0	33.0	20.0	10,850	12,870	3,800
MD	40.0	52.0	50.0	8,600	9,880	9,750
MI	53.0	55.0	43.0	33,920	41,250	24,080
MN	38.0	48.4	31.1	102,504	138,620	67,110
MS	34.0	30.0	18.0	15,300	15,600	4,500
MO	47.0	38.0	32.0	86,950	76,000	48,000
MT	27.7	28.1	36.4	145,030	145,865	159,507
NE	27.0	38.0	32.0	55,350	85,500	67,200
NV	80.0	70.0	82.5	1,200	980	660
NJ	39.0	43.0	46.0	1,365	1,247	1,196
NM	20.0	27.0	25.0	4,000	8,100	8,000
NY	45.0	49.0	49.0	5,850	7,105	5,390
NC	34.0	41.0	40.0	21,420	22,550	19,200
ND	23.5	35.3	31.0	242,320	385,220	303,670
OH	51.0	59.0	49.0	62,730	79,650	52,920
OK	27.0	32.0	28.0	153,900	201,600	140,000
OR	58.5	59.5	51.9	53,835	57,616	43,900
PA	37.0	50.0	44.0	7,955	10,500	7,700
SC	41.0	38.0	31.0	17,835	14,440	8,525
SD	23.6	33.8	30.9	83,080	128,004	96,175
TN	42.0	36.0	24.0	18,900	17,640	7,680
TX	20.0	31.0	30.0	60,000	130,200	84,000
UT	33.6	40.7	38.0	5,950	7,170	5,807
VA	46.0	47.0	49.0	12,650	12,220	12,250
WA	48.7	60.5	45.9	110,610	150,080	98,600
WV	43.0	46.0	45.0	516	552	450
WI	51.8	52.5	48.2	9,320	10,085	6,118
WY	23.1	29.0	29.0	4,708	6,113	5,630
US	32.7	39.5	34.3	2,036,618	2,736,428	1,980,704

Winter Wheat: Area Planted and Harvested,  
by State and United States, 1989-91

State	Area Planted 1/			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
AL	300	280	170	220	190	110
AZ	35	55	30	34	54	29
AR	1,300	1,500	1,100	1,200	1,400	930
CA	625	620	450	570	560	410
CO	2,700	2,700	2,600	2,200	2,550	2,300
DE	80	65	70	74	60	67
FL	80	65	50	65	55	25
GA	800	650	500	700	590	425
ID	880	960	870	810	920	700
IL	1,850	2,050	1,650	1,780	1,850	1,400
IN	940	1,050	850	880	970	720
IA	80	80	75	70	75	50
KS	12,400	12,400	11,800	8,900	11,800	11,000
KY	630	700	640	450	500	400
LA	390	440	300	350	390	190
MD	230	200	205	215	190	195
MI	660	770	570	640	750	560
MN	135	130	60	120	85	55
MS	525	600	350	450	520	250
MO	1,970	2,150	1,650	1,850	2,000	1,500
MT	2,500	2,700	2,350	1,500	2,500	1,800
NE	2,550	2,450	2,350	2,050	2,250	2,100
NV	7	7	6	6	6	4
NJ	43	36	35	35	29	26
NM	550	520	550	200	300	320
NY	135	150	115	130	145	110
NC	680	600	550	630	550	480
ND	100	250	100	80	160	90
OH	1,260	1,400	1,150	1,230	1,350	1,080
OK	7,300	7,500	7,400	5,700	6,300	5,000
OR	840	950	850	815	910	800
PA	220	215	180	215	210	175
SC	460	400	300	435	380	275
SD	1,600	1,850	1,500	1,350	1,600	1,300
TN	540	580	440	450	490	320
TX	6,700	6,700	6,200	3,000	4,200	2,800
UT	165	155	140	155	150	130
VA	300	290	280	275	260	250
WA	2,100	2,300	2,200	1,300	2,200	700
WV	16	15	13	12	12	10
WI	200	195	140	170	185	120
WY	215	220	210	193	205	190
US	55,091	56,948	51,049	41,509	49,901	39,396

1/ Includes area planted in preceding fall.

Winter Wheat: Yield and Production,  
by State and United States, 1989-91

State	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Bushels			1,000 Bushels		
AL	30.0	35.0	25.0	6,600	6,650	2,750
AZ	93.0	95.0	100.0	3,162	5,130	2,900
AR	44.0	35.0	22.0	52,800	49,000	20,460
CA	77.0	76.0	80.0	43,890	42,560	32,800
CO	26.0	33.0	31.0	57,200	84,150	71,300
DE	42.0	51.0	53.0	3,108	3,060	3,551
FL	29.0	33.0	23.0	1,885	1,815	575
GA	32.0	35.0	33.0	22,400	20,650	14,025
ID	70.0	75.0	70.0	56,700	69,000	49,000
IL	59.0	48.0	32.0	105,020	88,800	44,800
IN	59.0	52.0	40.0	51,920	50,440	28,800
IA	47.0	45.0	34.0	3,290	3,375	1,700
KS	24.0	40.0	33.0	213,600	472,000	363,000
KY	50.0	40.0	27.0	22,500	20,000	10,800
LA	31.0	33.0	20.0	10,850	12,870	3,800
MD	40.0	52.0	50.0	8,600	9,880	9,750
MI	53.0	55.0	43.0	33,920	41,250	24,080
MN	38.0	30.0	36.0	4,560	2,550	1,980
MS	34.0	30.0	18.0	15,300	15,600	4,500
MO	47.0	38.0	32.0	86,950	76,000	48,000
MT	36.0	35.0	40.0	54,000	87,500	72,000
NE	27.0	38.0	32.0	55,350	85,500	67,200
NV	80.0	70.0	90.0	480	420	360
NJ	39.0	43.0	46.0	1,365	1,247	1,196
NM	20.0	27.0	25.0	4,000	8,100	8,000
NY	45.0	49.0	49.0	5,850	7,105	5,390
NC	34.0	41.0	40.0	21,420	22,550	19,200
ND	29.0	27.0	33.0	2,320	4,320	2,970
OH	51.0	59.0	49.0	62,730	79,650	52,920
OK	27.0	32.0	28.0	153,900	201,600	140,000
OR	60.0	60.0	52.0	48,900	54,600	41,600
PA	37.0	50.0	44.0	7,955	10,500	7,700
SC	41.0	38.0	31.0	17,835	14,440	8,525
SD	26.0	36.0	35.0	35,100	57,600	45,500
TN	42.0	36.0	24.0	18,900	17,640	7,680
TX	20.0	31.0	30.0	60,000	130,200	84,000
UT	32.0	40.0	36.0	4,960	6,000	4,680
VA	46.0	47.0	49.0	12,650	12,220	12,250
WA	53.0	63.0	58.0	68,900	138,600	40,600
WV	43.0	46.0	45.0	516	552	450
WI	53.0	53.0	49.0	9,010	9,805	5,880
WY	22.0	29.0	29.0	4,246	5,945	5,510
US	35.0	40.7	34.8	1,454,642	2,030,874	1,372,182

**Durum Wheat: Area Planted, Harvested, Yield, and Production,  
by State and United States, 1989-91**

State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
AZ	85	45	40	84	44	39
CA	106	60	33	105	59	32
MN	30	30	30	29	30	30
MT	340	245	180	335	235	179
ND	3,100	3,100	2,900	3,000	3,050	2,850
SD	130	90	70	120	89	67
US	3,791	3,570	3,253	3,673	3,507	3,197
	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Bushels			1,000 Bushels		
AZ	90.0	94.0	95.0	7,560	4,136	3,705
CA	83.0	95.0	105.0	8,715	5,605	3,360
MN	36.0	44.0	32.0	1,044	1,320	960
MT	18.0	19.0	33.0	6,030	4,465	5,907
ND	22.0	34.0	31.0	66,000	103,700	88,350
SD	24.0	36.0	25.0	2,880	3,204	1,675
US	25.1	34.9	32.5	92,229	122,430	103,957

**Wheat: Production by Class, United States, 1989-91 1/**

Year	Winter			Spring			Total
	Hard Red	Soft Red	White	Hard Red	Durum	White	
	1,000 Bushels						
1989	711,040	548,919	194,683	433,455	92,229	56,292	2,036,618
1990	1,198,782	547,126	284,966	554,678	122,430	28,446	2,736,428
1991	901,346	325,201	145,635	431,223	103,957	73,342	1,980,704

1/ Wheat class estimates are based on the latest varietal acreage survey data available.

Other Spring Wheat: Area Planted, Harvested, Yield, and Production,  
by State and United States, 1989-91

State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
1,000 Acres						
CO	75	42	38	70	40	36
ID	580	460	470	560	450	460
MN	2,600	2,800	2,100	2,550	2,750	2,070
MT	3,500	2,800	2,600	3,400	2,450	2,400
NV	11	9	5	9	8	4
ND	7,600	8,000	7,000	7,250	7,700	6,850
OR	110	60	50	105	58	46
SD	2,200	2,200	1,800	2,050	2,100	1,750
UT	25	30	25	22	26	23
WA	1,000	300	1,500	970	280	1,450
WI	12	10	9	10	7	7
WY	20	12	7	11	6	4
US	17,733	16,723	15,604	17,007	15,875	15,100
	Yield			Production		
	1989	1990	1991	1989	1990	1991
----- Bushels -----			----- 1,000 Bushels -----			
CO	70.0	70.0	75.0	4,900	2,800	2,700
ID	62.0	68.0	71.0	34,720	30,600	32,660
MN	38.0	49.0	31.0	96,900	134,750	64,170
MT	25.0	22.0	34.0	85,000	53,900	81,600
NV	80.0	70.0	75.0	720	560	300
ND	24.0	36.0	31.0	174,000	277,200	212,350
OR	47.0	52.0	50.0	4,935	3,016	2,300
SD	22.0	32.0	28.0	45,100	67,200	49,000
UT	45.0	45.0	49.0	990	1,170	1,127
WA	43.0	41.0	40.0	41,710	11,480	58,000
WI	31.0	40.0	34.0	310	280	238
WY	42.0	28.0	30.0	462	168	120
US	28.8	36.7	33.4	489,747	583,124	504,565

Rice: Area Planted and Harvested, by Class,  
State, and United States, 1989-91

State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
	Long Grain					
AR	1,039.0	1,110.0	1,149.0	1,030.0	1,071.0	1,111.0
CA	30.0	18.0	15.0	30.0	18.0	15.0
LA	310.0	310.0	290.0	295.0	304.0	250.0
MS	240.0	255.0	225.0	235.0	250.0	220.0
MO	80.0	91.0	96.0	78.0	79.0	91.0
TX	332.0	345.0	337.0	330.0	343.0	335.0
US	2,031.0	2,129.0	2,112.0	1,998.0	2,065.0	2,022.0
	Medium Grain					
AR	110.0	129.0	150.0	109.0	128.0	148.0
CA	335.0	370.0	305.0	330.0	365.0	300.0
LA	195.0	245.0	270.0	190.0	241.0	260.0
MS <sup>1/</sup>						
MO	1.0	1.0	1.0	1.0	1.0	1.0
TX	8.0	10.0	8.0	8.0	10.0	8.0
US	649.0	755.0	734.0	638.0	745.0	717.0
	Short Grain					
AR	1.0	1.0	1.0	1.0	1.0	1.0
CA	50.0	12.0	10.0	50.0	12.0	10.0
US	51.0	13.0	11.0	51.0	13.0	11.0
	All					
AR	1,150.0	1,240.0	1,300.0	1,140.0	1,200.0	1,260.0
CA	415.0	400.0	330.0	410.0	395.0	325.0
LA	505.0	555.0	560.0	485.0	545.0	510.0
MS	240.0	255.0	225.0	235.0	250.0	220.0
MO	81.0	92.0	97.0	79.0	80.0	92.0
TX	340.0	355.0	345.0	338.0	353.0	343.0
US	2,731.0	2,897.0	2,857.0	2,687.0	2,823.0	2,750.0

<sup>1/</sup> No medium grain estimated.

Rice: Yield and Production, by Class,  
State, and United States, 1989-91

State	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Pounds			1,000 Cwt		
	Long Grain					
AR	5,580	4,950	5,250	57,458	53,034	58,328
CA	7,500	7,300	7,200	2,250	1,314	1,080
LA	4,450	4,870	5,000	13,128	14,805	12,500
MS	5,700	5,700	5,600	13,395	14,250	12,320
MO	5,200	4,700	5,100	4,056	3,713	4,641
TX	5,720	6,030	6,024	18,874	20,690	20,180
US	5,464	5,221	5,393	109,161	107,806	109,049
	Medium Grain					
AR	5,800	5,400	5,670	6,322	6,912	8,392
CA	7,974	7,730	7,837	26,315	28,215	23,510
LA	4,400	4,840	4,706	8,360	11,664	12,235
MS <sup>1/</sup>						
MO	5,200	4,700	5,100	52	47	51
TX	4,900	4,900	5,000	392	490	400
US	6,495	6,353	6,219	41,441	47,328	44,589
	Short Grain					
AR	6,000	5,400	6,000	60	54	60
CA	7,650	7,500	7,600	3,825	900	760
US	7,618	7,338	7,455	3,885	954	820
	All					
AR	5,600	5,000	5,300	63,840	60,000	66,780
CA	7,900	7,700	7,800	32,390	30,429	25,350
LA	4,430	4,860	4,850	21,488	26,469	24,735
MS	5,700	5,700	5,600	13,395	14,250	12,320
MO	5,200	4,700	5,100	4,108	3,760	4,692
TX	5,700	6,000	6,000	19,266	21,180	20,580
US	5,749	5,529	5,617	154,487	156,088	154,457

<sup>1/</sup> No medium grain estimated.

Rye: Area Planted and Harvested,  
by State and United States, 1989-91

State	Area Planted <u>1/</u>			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
CO	25	15	15	4	3	3
DE <u>2/</u>	17			2		
GA	320	300	330	70	60	65
IL	50	45	60	8	5	6
IN	45	30	25	6	4	4
IA <u>2/</u>	25			5		
KS	45	35	70	5	5	5
KY <u>2/</u>	50			2		
MD	40	45	35	8	7	7
MI	120	135	125	25	20	18
MN	60	55	36	32	28	24
MO <u>2/</u>	25			3		
NE	160	110	130	30	30	50
NJ	47	50	42	7	6	6
NY	80	60	50	15	10	8
NC	150	100	110	25	15	20
ND	45	35	40	38	26	32
OH	40	40	40	5	5	5
OK	100	95	110	28	20	35
OR <u>2/</u>	20			3		
PA	70	60	45	18	16	11
SC	80	60	68	28	27	30
SD	100	60	50	90	55	32
TX	90	100	100	7	10	12
VA	140	110	100	8	8	8
WI	70	85	90	12	15	15
US	2,014	1,625	1,671	484	375	396

1/ Area planted in preceding fall.

2/ Estimates discontinued in 1990.

Rye: Yield and Production,  
by State and United States, 1989-91

State	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Bushels			1,000 Bushels		
CO	20.0	28.0	26.0	80	84	78
DE <u>1/</u>	35.0			70		
GA	23.0	22.0	20.0	1,610	1,320	1,300
IL	39.0	33.0	27.0	312	165	162
IN	34.0	31.0	25.0	204	124	100
IA <u>1/</u>	37.0			185		
KS	16.0	26.0	23.0	80	130	115
KY <u>1/</u>	32.0			64		
MD	27.0	30.0	32.0	216	210	224
MI	33.0	29.0	20.0	825	580	360
MN	34.0	31.0	27.0	1,088	868	648
MO <u>1/</u>	30.0			90		
NE	20.0	25.0	20.0	600	750	1,000
NJ	26.0	24.0	32.0	182	144	192
NY	32.0	26.0	33.0	480	260	264
NC	21.0	23.0	25.0	525	345	500
ND	28.0	30.0	31.0	1,064	780	992
OH	31.0	35.0	31.0	155	175	155
OK	19.0	21.0	19.0	532	420	665
OR <u>1/</u>	25.0			75		
PA	32.0	31.0	27.0	576	496	297
SC	23.0	22.0	21.0	644	594	630
SD	36.0	34.0	36.0	3,240	1,870	1,152
TX	18.0	14.0	19.0	126	140	228
VA	33.0	32.0	33.0	264	256	264
WI	30.0	31.0	29.0	360	465	435
US	28.2	27.1	24.6	13,647	10,176	9,761

1/ Estimates discontinued in 1990.

Flaxseed: Area Planted and Harvested, Yield, and Production,  
by State and United States, 1989-91

State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
MN	10	15	30	9	14	27
ND	170	220	280	140	215	270
SD	15	25	35	14	24	34
Oth Sts <u>1/</u>			6			6
US <u>2/</u>	195	260	351	163	253	337
	Yield			Production		
	1989	1990	1991	1989	1990	1991
	----- Bushels -----			----- 1,000 Bushels -----		
MN	10.5	17.0	20.0	95	238	540
ND	7.0	14.5	18.0	980	3,118	4,860
SD	10.0	19.0	17.0	140	456	578
Oth Sts <u>1/</u>			20.3			122
US <u>2/</u>	7.5	15.1	18.1	1,215	3,812	6,100

1/ Estimates began with 1991 crop.

2/ Estimates for 1989 and 1990 include only MN, ND, and SD. Estimates for 1991 include all States except AK and HI.

**Peanuts for Nuts: Area Planted and Harvested, Yield, and  
Production, by State and United States, 1989-91**

State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
AL	240.0	258.0	280.0	239.0	256.0	278.0
FL	95.0	102.0	123.0	87.0	94.0	110.0
GA	690.0	782.0	900.0	685.0	770.0	890.0
NM	18.2	20.0	22.7	18.2	20.0	22.5
NC	153.0	165.0	164.0	152.0	164.0	163.0
OK	99.0	107.0	110.0	98.0	106.0	107.0
SC	13.0	14.0	14.5	12.5	13.5	14.0
TX	265.0	295.0	330.0	262.0	289.0	325.0
VA	92.0	97.0	98.0	91.0	97.0	98.0
US	1,665.2	1,840.0	2,042.2	1,644.7	1,809.5	2,007.5
	Yield			Production <sup>1/</sup>		
	1989	1990	1991	1989	1990	1991
	Pounds			1,000 Pounds		
AL	2,250	1,510	2,370	537,750	386,560	658,860
FL	2,470	2,480	2,360	214,890	233,120	259,600
GA	2,700	1,750	2,525	1,849,500	1,347,500	2,247,250
NM	2,400	2,500	2,200	43,680	50,000	49,500
NC	2,435	2,900	2,870	370,120	475,600	467,810
OK	2,150	2,220	2,300	210,700	235,320	246,100
SC	2,600	2,230	2,500	32,500	30,105	35,000
TX	1,850	1,850	2,050	484,700	534,650	666,250
VA	2,705	3,195	3,200	246,155	309,915	313,600
US	2,426	1,991	2,463	3,989,995	3,602,770	4,943,970

<sup>1/</sup> Estimates comprised of quota and non-quota peanuts.

**Soybeans for Beans: Area Planted and Harvested,  
by State and United States, 1989-91**

State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
AL	600	470	360	570	440	350
AR	3,300	3,400	3,250	3,200	3,350	3,200
DE	255	200	255	250	199	250
FL	130	80	45	120	75	43
GA	1,150	900	600	1,100	700	590
IL	8,900	9,200	9,200	8,850	9,100	9,100
IN	4,600	4,200	4,450	4,550	4,180	4,430
IA	8,300	8,000	8,700	8,280	7,900	8,650
KS	1,900	2,000	2,000	1,850	1,950	1,900
KY	1,200	1,250	1,150	1,170	1,220	1,130
LA	1,950	1,800	1,030	1,750	1,750	950
MD	570	505	510	550	495	500
MI	1,100	1,150	1,400	1,080	1,140	1,390
MN	5,050	4,700	5,500	5,000	4,600	5,350
MS	2,200	2,050	1,900	2,000	1,900	1,800
MO	4,400	4,200	4,500	4,350	4,150	4,430
NE	2,600	2,400	2,500	2,560	2,360	2,460
NJ	115	110	125	113	108	123
NC	1,600	1,400	1,350	1,550	1,350	1,310
ND	640	500	635	630	495	630
OH	4,000	3,500	3,800	3,980	3,480	3,770
OK	300	250	260	285	220	235
PA	310	280	310	305	275	300
SC	980	800	650	960	750	630
SD	1,900	1,950	2,200	1,880	1,920	2,160
TN	1,300	1,300	1,100	1,240	1,250	1,050
TX	500	220	180	415	200	170
VA	550	540	530	540	525	500
WI	420	440	570	410	430	550
US	60,820	57,795	59,060	59,538	56,512	57,951

Soybeans for Beans: Yield and Production,  
by State and United States, 1989-91

State:	Yield			Production		
	1989	1990	1991	1989	1990	1991
	----- Bushels -----			----- 1,000 Bushels -----		
AL	21.0	17.0	23.0	11,970	7,480	8,050
AR	23.5	27.0	28.0	75,200	90,450	89,600
DE	29.0	34.0	35.0	7,250	6,766	8,750
FL	22.0	19.0	27.0	2,640	1,425	1,161
GA	26.0	14.0	27.0	28,600	9,800	15,930
IL	40.0	39.0	37.5	354,000	354,900	341,250
IN	36.5	41.0	39.0	166,075	171,380	172,770
IA	39.0	41.5	40.5	322,920	327,850	350,325
KS	27.0	24.0	23.0	49,950	46,800	43,700
KY	31.5	32.0	32.5	36,855	39,040	36,725
LA	22.0	24.0	29.0	38,500	42,000	27,550
MD	30.0	36.0	34.0	16,500	17,820	17,000
MI	36.0	38.0	38.0	38,880	43,320	52,820
MN	37.0	39.0	36.5	185,000	179,400	195,275
MS	20.0	21.0	26.0	40,000	39,900	46,800
MO	28.0	30.0	30.5	121,800	124,500	135,115
NE	32.0	34.5	33.5	81,920	81,420	82,410
NJ	32.0	37.0	36.0	3,616	3,996	4,428
NC	27.0	24.0	29.5	41,850	32,400	38,645
ND	22.0	26.0	30.5	13,860	12,870	19,215
OH	31.5	39.0	36.0	125,370	135,720	135,720
OK	24.0	21.0	25.0	6,840	4,620	5,875
PA	34.0	41.0	33.0	10,370	11,275	9,900
SC	21.0	18.5	22.0	20,160	13,875	13,860
SD	26.0	28.0	27.0	48,880	53,760	58,320
TN	24.0	27.0	30.0	29,760	33,750	31,500
TX	30.0	25.0	31.0	12,450	5,000	5,270
VA	32.0	32.0	29.0	17,280	16,800	14,500
WI	37.0	41.0	42.0	15,170	17,630	23,100
US	32.3	34.1	34.3	1,923,666	1,925,947	1,985,564

Cotton: Area Planted and Harvested, by State  
and United States, 1989-91

State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
Upland						
AL	328.0	380.0	415.0	322.0	378.0	410.0
AZ	240.0	350.0	360.0	239.0	348.0	359.0
AR	610.0	770.0	1,000.0	595.0	750.0	980.0
CA	1,050.0	1,100.0	970.0	1,040.0	1,090.0	960.0
FL	25.5	37.0	50.0	25.0	36.0	49.0
GA	265.0	355.0	430.0	260.0	350.0	425.0
KS	1.5	1.5	2.0	0.4	1.2	1.8
LA	645.0	810.0	875.0	620.0	790.0	820.0
MS	1,050.0	1,230.0	1,245.0	1,020.0	1,220.0	1,230.0
MO	214.0	248.0	332.0	209.0	235.0	327.0
NM	61.0	69.0	69.0	55.0	62.0	65.0
NC	112.0	201.0	460.0	110.0	200.0	457.0
OK	370.0	380.0	440.0	340.0	370.0	380.0
SC	120.0	155.0	211.0	118.0	154.0	210.0
TN	465.0	525.0	620.0	460.0	515.0	610.0
TX	4,650.0	5,500.0	6,400.0	3,750.0	5,000.0	5,300.0
VA	2.7	5.3	18.0	2.6	5.3	18.0
US	10,209.7	12,116.8	13,897.0	9,166.0	11,504.5	12,601.8
Amer-Pima:						
AZ	245.0	125.0	106.0	244.5	124.0	103.0
CA	18.0	25.7	60.0	17.9	25.5	60.0
MS	1.6	1.3	0.8	1.1	1.3	0.8
NM	30.3	19.3	20.0	30.2	19.3	19.8
TX	82.0	60.0	60.0	78.0	57.0	57.0
US	376.9	231.3	246.8	371.7	227.1	240.6
All						
AL	328.0	380.0	415.0	322.0	378.0	410.0
AZ	485.0	475.0	466.0	483.5	472.0	462.0
AR	610.0	770.0	1,000.0	595.0	750.0	980.0
CA	1,068.0	1,125.7	1,030.0	1,057.9	1,115.5	1,020.0
FL	25.5	37.0	50.0	25.0	36.0	49.0
GA	265.0	355.0	430.0	260.0	350.0	425.0
KS	1.5	1.5	2.0	0.4	1.2	1.8
LA	645.0	810.0	875.0	620.0	790.0	820.0
MS	1,051.6	1,231.3	1,245.8	1,021.1	1,221.3	1,230.8
MO	214.0	248.0	332.0	209.0	235.0	327.0
NM	91.3	88.3	89.0	85.2	81.3	84.8
NC	112.0	201.0	460.0	110.0	200.0	457.0
OK	370.0	380.0	440.0	340.0	370.0	380.0
SC	120.0	155.0	211.0	118.0	154.0	210.0
TN	465.0	525.0	620.0	460.0	515.0	610.0
TX	4,732.0	5,560.0	6,460.0	3,828.0	5,057.0	5,357.0
VA	2.7	5.3	18.0	2.6	5.3	18.0
US	10,586.6	12,348.1	14,143.8	9,537.7	11,731.6	12,842.4

Cotton: Yield and Production, by State  
and United States, 1989-91

State	Yield			Production <sup>1/</sup>		
	1989	1990	1991	1989	1990	1991
	Pounds			1,000 Bales <sup>2/</sup>		
Upland						
AL	571	476	626	383.0	375.0	535.0
AZ <sup>3/</sup>	1,303	1,119	1,190	649.0	811.0	890.0
AR	687	692	759	851.0	1,081.0	1,550.0
CA	1,228	1,204	1,250	2,661.0	2,734.0	2,500.0
FL	557	640	696	29.0	48.0	71.0
GA	631	555	813	342.0	405.0	720.0
KS	240	280	320	0.2	0.7	1.2
LA	672	715	825	868.0	1,177.0	1,410.0
MS	732	728	878	1,555.0	1,850.0	2,250.0
MO	618	641	621	269.0	314.0	423.0
NM	698	735	554	80.0	95.0	75.0
NC	615	631	683	141.0	263.0	650.0
OK	244	496	316	173.0	382.0	250.0
SC	626	452	777	154.0	145.0	340.0
TN	497	461	551	476.0	495.0	700.0
TX	367	477	430	2,870.0	4,965.0	4,750.0
VA	498	562	728	2.7	6.2	27.3
US	602	632	653	11,503.9	15,146.9	17,142.5
Amer-Pima:						
AZ	936	751	885	477.0	194.0	190.0
CA	1,078	1,080	1,040	40.2	57.4	130.0
MS	436	591	600	1.0	1.6	1.0
NM	707	609	558	44.5	24.5	23.0
TX	794	682	463	129.0	81.0	55.0
US	893	758	796	691.7	358.5	399.0
All						
AL	571	476	626	383.0	375.0	535.0
AZ <sup>3/</sup>	1,118	1,022	1,122	1,126.0	1,005.0	1,080.0
AR	687	692	759	851.0	1,081.0	1,550.0
CA	1,226	1,201	1,238	2,701.2	2,791.4	2,630.0
FL	557	640	696	29.0	48.0	71.0
GA	631	555	813	342.0	405.0	720.0
KS	240	280	320	0.2	0.7	1.2
LA	672	715	825	868.0	1,177.0	1,410.0
MS	731	728	878	1,556.0	1,851.6	2,251.0
MO	618	641	621	269.0	314.0	423.0
NM	701	706	555	124.5	119.5	98.0
NC	615	631	683	141.0	263.0	650.0
OK	244	496	316	173.0	382.0	250.0
SC	626	452	777	154.0	145.0	340.0
TN	497	461	551	476.0	495.0	700.0
TX	376	479	431	2,999.0	5,046.0	4,805.0
VA	498	562	728	2.7	6.2	27.3
US	614	634	656	12,195.6	15,505.4	17,541.5

<sup>1/</sup> Production ginned and to be ginned.    <sup>2/</sup> 480-lb net weight bales.  
<sup>3/</sup> 1990 revised.

Cottonseed: Production, by State  
and United States, 1989-1991

State	Production		
	1989	1990	1991
	1,000 Tons		
AL	140.0	139.0	195.0
AZ 1/	423.0	380.0	412.0
AR	335.0	431.0	609.0
CA	1,040.0	1,079.0	1,023.0
FL	10.4	17.0	25.2
GA	123.0	144.0	256.0
KS	0.1	0.3	0.6
LA	319.0	446.0	531.0
MS	601.0	732.0	879.0
MO	104.0	124.0	167.0
NM	39.0	48.0	35.5
NC	49.0	91.0	229.0
OK	74.0	150.0	100.0
SC	54.0	50.0	118.0
TN	176.0	192.0	271.0
TX	1,189.0	1,943.0	1,898.0
VA	0.9	2.2	9.6
US	4,677.4	5,968.5	6,758.9

1/ 1990 Revised.

**Sunflower: Area Planted and Harvested, by Type,  
State, and United States, 1989-91**

Varietal Types & State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
<b>Oil</b>						
CO 1/			37			35
KS	100	50	79	97	49	75
MN	45	70	210	44	69	207
NE 1/			30			29
ND	980	980	1,450	960	940	1,410
SD	253	285	440	240	280	431
TX	33	5	12	32	5	12
<b>Oth Sts 1/</b>			34			31
<b>US 2/</b>	<b>1,411</b>	<b>1,390</b>	<b>2,292</b>	<b>1,373</b>	<b>1,343</b>	<b>2,230</b>
<b>Non-Oil</b>						
CO 1/			26			25
KS	30	25	26	28	24	25
MN	25	70	80	24	69	79
NE 1/			20			20
ND	340	390	260	330	385	255
SD	7	15	10	7	15	9
TX	27	15	13	24	15	12
<b>Oth Sts 1/</b>			16			15
<b>US 2/</b>	<b>429</b>	<b>515</b>	<b>451</b>	<b>413</b>	<b>508</b>	<b>440</b>
<b>All</b>						
CO 1/			63			60
KS	130	75	105	125	73	100
MN	70	140	290	68	138	286
NE 1/			50			49
ND	1,320	1,370	1,710	1,290	1,325	1,665
SD	260	300	450	247	295	440
TX	60	20	25	56	20	24
<b>Oth Sts 1/</b>			50			46
<b>US 2/</b>	<b>1,840</b>	<b>1,905</b>	<b>2,743</b>	<b>1,786</b>	<b>1,851</b>	<b>2,670</b>

1/ Estimates began with 1991.

2/ Estimates for 1989 and 1990 include only KS, MN, ND, SD, and TX. Estimates for 1991 include all States except AK and HI.

**Sunflower: Yield and Production, by Type,  
State, and United States, 1989-91**

Varietal Types & State	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Pounds			1,000 Pounds		
<b>Oil</b>						
CO 1/			950			33,250
KS	940	1,000	1,160	91,180	49,000	87,000
MN	1,400	1,650	1,850	61,600	113,850	382,950
NE 1/			800			23,200
ND	970	1,140	1,350	931,200	1,071,600	1,903,500
SD	980	1,350	1,250	235,200	378,000	538,750
TX	1,160	1,200	1,250	37,120	6,000	15,000
Oth Sts 1/			1,370			42,460
US 2/	988	1,205	1,357	1,356,300	1,618,450	3,026,110
<b>Non-Oil</b>						
CO 1/			1,000			25,000
KS	970	1,370	1,320	27,160	32,880	33,000
MN	1,400	1,625	1,600	33,600	112,125	126,400
NE 1/			1,000			20,000
ND	920	1,220	1,300	303,600	469,700	331,500
SD	1,300	1,450	1,350	9,100	21,750	12,150
TX	1,250	1,300	1,390	30,000	19,500	16,680
Oth Sts 1/			1,277			19,150
US 2/	977	1,291	1,327	403,460	655,955	583,880
<b>All</b>						
CO 1/			971			58,250
KS	947	1,122	1,200	118,340	81,880	120,000
MN	1,400	1,638	1,781	95,200	225,975	509,350
NE 1/			882			43,200
ND	957	1,163	1,342	1,234,800	1,541,300	2,235,000
SD	989	1,355	1,252	244,300	399,750	550,900
TX	1,199	1,275	1,320	67,120	25,500	31,680
Oth Sts 1/			1,339			61,610
US 2/	985	1,229	1,352	1,759,760	2,274,405	3,609,990

1/ Estimates began with 1991.

2/ Estimates for 1989 and 1990 include only KS, MN, ND, SD, and TX. Estimates for 1991 include all States except AK and HI.

Special Oilseeds: Area Planted and Harvested, Yield, and Production,  
by Crop, United States, 1989-91

Crop	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
Canola <sup>1/</sup>			135			127
Rapeseed <sup>1/</sup>			18.2			15.6
Safflower <sup>1/</sup>			190			179
Mustard Seed <sup>1/</sup>			19.4			18.1
All Sunflower <sup>2/</sup>	1,840	1,905	2,743	1,786	1,851	2,670
Flaxseed <sup>3/</sup>	195	260	351	163	253	337
	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Pounds			1,000 Pounds		
Canola <sup>1/</sup>			1,310			166,370
Rapeseed <sup>1/</sup>			1,035			16,146
Safflower <sup>1/</sup>			1,295			231,805
Mustard Seed <sup>1/</sup>			925			16,742.5
All Sunflower <sup>2/</sup>	985	1,229	1,352	1,759,760	2,274,405	3,609,990
	Bushels			1,000 Bushels		
Flaxseed <sup>3/</sup>	7.5	15.1	18.1	1,215	3,812	6,100

<sup>1/</sup> Estimates began in 1991.

<sup>2/</sup> 1989 and 1990 include only KS, MN, ND, SD, and TX.

<sup>3/</sup> 1989 and 1990 include only MN, ND, and SD.

All Hay: Area Harvested and Yield,  
by State and United States, 1989-91

State	Area Harvested			Yield		
	1989	1990	1991	1989	1990	1991
	1,000 Acres			Tons		
AL	700	750	780	2.20	1.50	2.10
AZ	185	195	200	6.92	7.29	7.13
AR	1,000	975	1,100	2.23	1.78	2.22
CA	1,670	1,630	1,680	5.10	5.10	5.13
CO	1,500	1,550	1,500	2.30	2.45	2.71
CT	83	86	84	2.06	2.30	2.08
DE	25	23	20	2.92	2.96	2.65
FL	260	240	230	2.30	2.30	3.00
GA	600	570	600	2.70	2.00	3.00
ID	1,120	1,130	1,230	3.61	3.61	3.49
IL	1,100	900	950	3.21	3.72	3.33
IN	770	700	675	3.07	3.17	2.56
IA	2,400	2,000	1,800	2.77	3.55	3.49
KS	2,450	2,500	2,500	2.29	2.44	2.01
KY	2,330	2,200	2,300	2.36	2.20	2.23
LA	300	300	300	2.60	2.20	2.50
ME	220	222	221	1.91	1.91	1.73
MD	240	225	215	2.62	3.01	2.35
MA	103	103	103	2.30	2.26	2.17
MI	1,550	1,450	1,450	3.36	3.68	3.62
MN	2,600	2,400	2,450	2.46	2.73	3.30
MS	650	575	720	2.40	1.80	2.50
MO	3,730	3,580	3,700	1.81	1.92	1.92
MT	2,350	2,150	2,400	1.90	2.09	2.16
NE	3,200	3,650	3,600	1.78	1.97	2.08
NV	520	490	475	2.81	2.77	2.44
NH	76	76	76	2.20	2.09	1.99
NJ	111	110	114	2.17	2.24	2.19
NM	300	320	330	4.44	4.30	4.24
NY	2,080	1,980	1,950	2.18	2.21	2.10
NC	515	470	520	2.25	2.15	2.26
ND	3,400	3,500	3,300	0.89	1.07	1.45
OH	1,625	1,400	1,300	2.80	3.30	2.42
OK	2,400	2,130	2,400	2.13	1.84	1.88
OR	1,050	1,020	1,075	2.75	2.77	2.75
PA	1,930	1,900	1,890	2.44	2.48	2.13
RI	7	7	7	2.43	2.57	2.29
SC	235	240	260	2.40	1.90	2.60
SD	4,100	4,200	4,550	1.05	1.50	1.77
TN	1,700	1,500	1,650	2.06	2.17	1.98
TX	3,910	3,900	3,800	2.45	2.05	2.55
UT	600	625	640	3.31	3.40	3.55
VT	365	365	350	2.07	2.12	2.02
VA	1,200	1,160	1,140	2.14	2.24	1.98
WA	780	790	780	3.61	3.87	3.81
WV	560	560	520	1.85	2.04	1.69
WI	3,600	3,400	3,300	2.24	2.68	2.75
WY	1,100	1,160	1,340	1.61	1.79	1.99
US	63,300	61,407	62,575	2.30	2.39	2.45

All Hay: Production, by State  
and United States, 1989-91

State	Production		
	1989	1990	1991
	1,000 Tons		
AL	1,540	1,125	1,638
AZ	1,280	1,421	1,426
AR	2,228	1,738	2,444
CA	8,524	8,307	8,610
CO	3,450	3,805	4,062
CT	171	198	175
DE	73	68	53
FL	598	552	690
GA	1,620	1,140	1,800
ID	4,043	4,084	4,294
IL	3,526	3,348	3,162
IN	2,365	2,220	1,725
IA	6,650	7,095	6,285
KS	5,620	6,100	5,030
KY	5,501	4,848	5,125
LA	781	660	750
ME	420	423	382
MD	629	678	505
MA	237	233	223
MI	5,205	5,335	5,255
MN	6,400	6,560	8,090
MS	1,560	1,035	1,800
MO	6,764	6,865	7,110
MT	4,470	4,495	5,190
NE	5,705	7,205	7,473
NV	1,463	1,359	1,158
NH	167	159	151
NJ	241	246	250
NM	1,332	1,376	1,400
NY	4,538	4,377	4,102
NC	1,161	1,011	1,176
ND	3,020	3,745	4,780
OH	4,553	4,620	3,150
OK	5,115	3,926	4,520
OR	2,890	2,826	2,955
PA	4,709	4,719	4,026
RI	17	18	16
SC	564	456	676
SD	4,290	6,300	8,045
TN	3,499	3,255	3,263
TX	9,582	8,000	9,700
UT	1,986	2,123	2,275
VT	754	772	708
VA	2,565	2,600	2,260
WA	2,814	3,056	2,970
WV	1,036	1,142	877
WI	8,080	9,120	9,060
WY	1,776	2,076	2,670
US	145,512	146,820	153,485

Alfalfa and Alfalfa Mixtures For Hay: Area Harvested  
and Yield, by State and United States, 1989-91

State	Area Harvested			Yield		
	1989	1990	1991	1989	1990	1991
	----- 1,000 Acres -----			----- Tons -----		
AZ	150	165	170	7.60	7.90	7.70
AR	35	25	30	3.00	3.00	3.00
CA	1,020	1,060	1,050	6.70	6.60	6.70
CO	750	740	720	3.20	3.50	3.80
CT	17	19	19	2.70	2.70	2.70
DE	9	8	6	4.10	4.10	3.50
ID	930	960	1,030	4.00	3.90	3.80
IL	780	660	670	3.70	4.20	3.80
IN	400	400	375	3.60	3.90	3.00
IA	1,900	1,700	1,500	3.00	3.75	3.70
KS	850	800	800	3.60	3.80	3.10
KY	380	320	350	3.70	3.40	3.50
LA 1/	5			2.80		
ME	20	22	21	2.00	2.40	2.00
MD	85	80	75	3.75	3.85	3.00
MA	31	29	29	2.65	2.80	2.60
MI	1,300	1,250	1,200	3.60	3.90	3.90
MN	1,700	1,600	1,700	2.60	3.20	3.70
MO	530	480	500	2.80	3.00	2.70
MT	1,350	1,350	1,500	2.20	2.50	2.50
NE	1,300	1,450	1,450	3.00	3.30	3.30
NV	245	240	235	4.40	4.10	3.65
NH	16	15	15	2.55	2.45	2.30
NJ	34	26	28	2.80	3.00	3.10
NM	240	250	260	5.10	5.00	4.90
NY	840	860	760	2.45	2.55	2.50
NC	35	30	40	3.00	2.90	3.00
ND	1,500	1,400	1,400	1.00	1.10	1.65
OH	725	700	600	3.30	4.00	2.80
OK	450	430	400	4.00	3.20	3.30
OR	400	420	425	4.30	4.30	4.20
PA	820	810	780	2.90	3.00	2.60
RI	2	2	2	2.65	2.80	2.40
SD	2,000	2,100	2,350	1.20	1.80	2.30
TN	90	70	80	3.10	3.60	3.50
TX	110	100	100	4.20	4.00	4.50
UT	470	485	490	3.70	3.80	4.00
VT	105	105	105	2.35	2.40	2.30
VA	150	140	130	3.80	4.00	3.40
WA	480	470	480	4.30	4.80	4.50
WV	70	60	50	2.90	3.20	2.50
WI	3,100	3,000	3,000	2.30	2.80	2.80
WY	520	570	660	2.30	2.40	2.50
US	25,944	25,401	25,585	2.98	3.29	3.28

1/ Included in other hay beginning in 1990.

**Alfalfa and Alfalfa Mixtures For Hay: Production  
by State and United States, 1989-91**

State	Production		
	1989	1990	1991
	1,000 Tons		
AZ	1,140	1,304	1,309
AR	105	75	90
CA	6,834	6,996	7,035
CO	2,400	2,590	2,736
CT	46	51	51
DE	37	33	21
ID	3,720	3,744	3,914
IL	2,886	2,772	2,546
IN	1,440	1,560	1,125
IA	5,700	6,375	5,550
KS	3,060	3,040	2,480
KY	1,406	1,088	1,225
LA <sup>1/</sup>	14		
ME	40	53	42
MD	319	308	225
MA	82	81	75
MI	4,680	4,875	4,680
MN	4,420	5,120	6,290
MO	1,484	1,440	1,350
MT	2,970	3,375	3,750
NE	3,900	4,785	4,785
NV	1,078	984	858
NH	41	37	35
NJ	95	78	87
NM	1,224	1,250	1,274
NY	2,058	2,193	1,900
NC	105	87	120
ND	1,500	1,540	2,310
OH	2,393	2,800	1,680
OK	1,800	1,376	1,320
OR	1,720	1,806	1,785
PA	2,378	2,430	2,028
RI	5	6	5
SD	2,400	3,780	5,405
TN	279	252	280
TX	462	400	450
UT	1,739	1,843	1,960
VT	247	252	242
VA	570	560	442
WA	2,064	2,256	2,160
WV	203	192	125
WI	7,130	8,400	8,400
WY	1,196	1,368	1,650
US	77,370	83,555	83,795

<sup>1/</sup> Included in other hay beginning in 1990.

All Other Hay: Area Harvested and Yield,  
by State and United States, 1989-91

State	Area Harvested			Yield		
	1989	1990	1991	1989	1990	1991
	1,000 Acres			Tons		
AL	700	750	780	2.20	1.50	2.10
AZ	35	30	30	4.00	3.90	3.90
AR	965	950	1,070	2.20	1.75	2.20
CA	650	570	630	2.60	2.30	2.50
CO	750	810	780	1.40	1.50	1.70
CT	66	67	65	1.90	2.20	1.90
DE	16	15	14	2.25	2.30	2.30
FL	260	240	230	2.30	2.30	3.00
GA	600	570	600	2.70	2.00	3.00
ID	190	170	200	1.70	2.00	1.90
IL	320	240	280	2.00	2.40	2.20
IN	370	300	300	2.50	2.20	2.00
IA	500	300	300	1.90	2.40	2.45
KS	1,600	1,700	1,700	1.60	1.80	1.50
KY	1,950	1,880	1,950	2.10	2.00	2.00
LA	295	300	300	2.60	2.20	2.50
ME	200	200	200	1.90	1.85	1.70
MD	155	145	140	2.00	2.55	2.00
MA	72	74	74	2.15	2.05	2.00
MI	250	200	250	2.10	2.30	2.30
MN	900	800	750	2.20	1.80	2.40
MS	650	575	720	2.40	1.80	2.50
MO	3,200	3,100	3,200	1.65	1.75	1.80
MT	1,000	800	900	1.50	1.40	1.60
NE	1,900	2,200	2,150	0.95	1.10	1.25
NV	275	250	240	1.40	1.50	1.25
NH	60	61	61	2.10	2.00	1.90
NJ	77	84	86	1.90	2.00	1.90
NM	60	70	70	1.80	1.80	1.80
NY	1,240	1,120	1,190	2.00	1.95	1.85
NC	480	440	480	2.20	2.10	2.20
ND	1,900	2,100	1,900	0.80	1.05	1.30
OH	900	700	700	2.40	2.60	2.10
OK	1,950	1,700	2,000	1.70	1.50	1.60
OR	650	600	650	1.80	1.70	1.80
PA	1,110	1,090	1,110	2.10	2.10	1.80
RI	5	5	5	2.30	2.30	2.20
SC	235	240	260	2.40	1.90	2.60
SD	2,100	2,100	2,200	0.90	1.20	1.20
TN	1,610	1,430	1,570	2.00	2.10	1.90
TX	3,800	3,800	3,700	2.40	2.00	2.50
UT	130	140	150	1.90	2.00	2.10
VT	260	260	245	1.95	2.00	1.90
VA	1,050	1,020	1,010	1.90	2.00	1.80
WA	300	320	300	2.50	2.50	2.70
WV	490	500	470	1.70	1.90	1.60
WI	500	400	300	1.90	1.80	2.20
WY	580	590	680	1.00	1.20	1.50
US	37,356	36,006	36,990	1.82	1.76	1.88

All Other Hay: Production  
by State and United States, 1989-91

State	Production		
	1989	1990	1991
	1,000 Tons		
AL	1,540	1,125	1,638
AZ	140	117	117
AR	2,123	1,663	2,354
CA	1,690	1,311	1,575
CO	1,050	1,215	1,326
CT	125	147	124
DE	36	35	32
FL	598	552	690
GA	1,620	1,140	1,800
ID	323	340	380
IL	640	576	616
IN	925	660	600
IA	950	720	735
KS	2,560	3,060	2,550
KY	4,095	3,760	3,900
LA	767	660	750
ME	380	370	340
MD	310	370	280
MA	155	152	148
MI	525	460	575
MN	1,980	1,440	1,800
MS	1,560	1,035	1,800
MO	5,280	5,425	5,760
MT	1,500	1,120	1,440
NE	1,805	2,420	2,688
NV	385	375	300
NH	126	122	116
NJ	146	168	163
NM	108	126	126
NY	2,480	2,184	2,202
NC	1,056	924	1,056
ND	1,520	2,205	2,470
OH	2,160	1,820	1,470
OK	3,315	2,550	3,200
OR	1,170	1,020	1,170
PA	2,331	2,289	1,998
RI	12	12	11
SC	564	456	676
SD	1,890	2,520	2,640
TN	3,220	3,003	2,983
TX	9,120	7,600	9,250
UT	247	280	315
VT	507	520	466
VA	1,995	2,040	1,818
WA	750	800	810
WV	833	950	752
WI	950	720	660
WY	580	708	1,020
US	68,142	63,265	69,690

Dry Edible Beans: Area Planted and Harvested,  
by Commercial Class and State, 1989-91

Class and State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
Large Lima						
CA	33.0	24.0	28.0	32.0	23.0	27.0
Total	33.0	24.0	28.0	32.0	23.0	27.0
Baby Lima						
CA	36.0	25.0	40.0	35.0	25.0	39.0
Total	36.0	25.0	40.0	35.0	25.0	39.0
Other Than Lima						
CA	116.0	126.0	79.0	113.0	118.0	78.0
Total	116.0	126.0	79.0	113.0	118.0	78.0
Navy						
CO			1.9			1.7
ID		7.0	3.3		6.9	3.2
KS	2.6	1.4	1.2	2.5	1.3	1.0
MI	230.0	235.0	255.0	203.0	223.0	253.0
MN	43.0	69.0	50.3	36.0	67.0	47.7
NE	3.5	4.5	3.0	3.2	4.2	2.9
NM	4.0	3.5	3.1	4.0	3.5	3.1
ND	190.0	188.0	156.0	140.0	184.0	153.0
OR		2.7	1.8		2.7	1.8
Total	473.1	511.1	475.6	388.7	492.6	467.4
Great Northern						
CO			1.5			1.5
ID	11.6	8.7	8.4	11.4	8.6	8.4
KS	0.7	1.7	1.0	0.6	1.6	0.8
NE	114.0	119.0	115.3	106.0	116.5	113.2
WA	1.7	2.9	2.0	1.7	2.8	2.0
WY	5.0	5.5	5.0	4.5	5.4	4.9
Total	133.0	137.8	133.2	124.2	134.9	130.8
Small White						
ID	5.9	4.5	5.7	5.8	4.4	5.5
MI	9.0	9.0	10.0	8.0	8.0	10.0
OR		1.1	1.3		1.1	1.3
WA	6.8	3.5	4.6	6.7	3.4	4.6
Total	21.7	18.1	21.6	20.5	16.9	21.4

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Dry Edible Beans: Yield and Production,  
by Commercial Class and State, 1989-91 (continued)

Class and State	Yield Per Acre			Production		
	1989	1990	1991	1989	1990	1991
	Pounds			1,000 Cwt		
Large Lima						
CA	1,930	2,000	2,200	618	460	594
Total	1,930	2,000	2,200	618	460	594
Baby Lima						
CA	2,080	2,280	2,500	728	570	975
Total	2,080	2,280	2,500	728	570	975
Other Than Lima						
CA	1,780	1,719	1,997	2,011	2,028	1,558
Total	1,780	1,719	1,997	2,011	2,028	1,558
Navy						
CO			1,760			30
ID		1,900	1,630		131	52
KS	2,400	2,230	1,800	60	29	18
MI	1,500	1,590	1,810	3,045	3,545	4,580
MN	1,390	1,370	1,570	500	919	749
NE	1,810	2,070	2,210	58	87	64
NM	2,000	1,710	1,810	80	60	56
ND	510	960	1,510	714	1,767	2,310
OR		2,040	2,280		55	41
Total	1,147	1,338	1,690	4,457	6,593	7,900
Great Northern						
CO			1,870			28
ID	2,050	2,090	2,180	234	180	183
KS	1,170	2,250	1,880	7	36	15
NE	1,650	2,080	1,940	1,749	2,425	2,201
WA	2,000	2,000	2,150	34	56	43
WY	2,180	2,310	2,120	98	125	104
Total	1,709	2,092	1,968	2,122	2,822	2,574
Small White						
ID	1,900	2,090	2,150	110	92	118
MI	1,500	1,630	1,850	120	130	185
OR		2,000	2,000		22	26
WA	2,160	2,260	2,040	145	77	94
Total	1,829	1,899	1,977	375	321	423

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Dry Edible Beans: Area Planted and Harvested,  
by Commercial Class and State, 1989-91 (continued)

Class and State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	I,000 Acres					
Pinto						
CO	181.0	221.0	172.0	171.5	203.0	162.5
ID	85.0	93.0	65.9	84.1	92.1	64.8
KS	20.5	35.9	31.0	17.7	34.1	29.6
MI	3.0	10.0	6.0	2.5	9.0	6.0
MN	21.0	37.3	28.5	18.0	36.2	27.3
MT	4.6	11.9	8.0	4.5	11.4	7.5
NE	90.0	122.5	86.2	87.0	120.0	84.6
NM	10.0	10.4	11.8	9.0	9.9	11.8
ND	290.0	336.0	338.0	254.0	328.0	332.0
OR		3.1	1.8		3.1	1.8
TX		15.0	8.0		13.0	7.0
UT	5.6	5.5	6.0	5.0	4.0	5.5
WA	14.5	18.1	18.4	14.0	17.7	18.4
WY	41.0	44.5	37.0	40.5	43.6	36.1
Total	766.2	964.2	818.6	707.8	925.1	794.9
All Red Kidney						
CA	48.0			47.0		
ID	1.1			1.1		
MI	17.5			15.0		
MN	17.0			15.0		
NE	11.5			11.0		
NY	22.0			21.5		
Total	117.1			110.6		
Light Red Kidney 1/						
CA		33.0	13.0		31.0	13.0
CO			2.7			2.7
ID		0.6	0.8		0.6	0.8
MI		11.0	8.0		10.0	7.5
MN		0.5	5.9		0.5	5.9
NE		12.0	9.5		11.5	9.4
NY		21.0	20.0		20.0	19.5
Total		78.1	59.9		73.6	58.8
Dark Red Kidney 1/						
CA		15.0	10.0		14.0	10.0
ID		1.4	2.2		1.4	2.1
MI		9.0	14.0		8.0	13.0
MN		23.6	33.7		22.9	32.7
NY		5.5	4.5		5.4	4.3
WI		11.0	11.0		10.9	10.9
Total		65.5	75.4		62.6	73.0

See footnote on page 61.

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Dry Edible Beans: Yield and Production,  
by Commercial Class and State, 1989-91 (continued)

Class and State	Yield Per Acre			Production		
	1989	1990	1991	1989	1990	1991
	Pounds			1,000 Cwt		
Pinto						
CO	1,650	1,880	1,950	2,838	3,813	3,171
ID	2,050	1,990	2,040	1,722	1,830	1,322
KS	1,450	1,730	1,700	256	590	503
MI	1,600	1,670	1,830	40	150	110
MN	910	1,020	1,630	163	371	445
MT	2,220	1,690	1,910	100	193	143
NE	1,720	1,860	1,810	1,496	2,230	1,535
NM	2,030	1,610	2,050	183	159	242
ND	620	880	1,460	1,574	2,873	4,846
OR		2,000	2,280		62	41
TX		1,310	1,290		170	90
UT	300	330	480	15	13	26
WA	2,140	2,010	2,040	299	356	375
WY	1,860	1,930	1,930	753	840	696
Total	1,334	1,476	1,704	9,439	13,650	13,545
All Red Kidney						
CA				748		
ID	1,550			17		
MI	1,470			220		
MN	1,580			237		
NE	1,610			177		
NY	1,480			318		
Total	1,552			1,717		
Light Red Kidney <sup>1/</sup>						
CA		1,620	1,700		502	221
CO			2,260			61
ID		1,170	1,750		7	14
MI		1,600	1,840		160	138
MN		2,400	1,680		12	99
NE		2,000	2,030		230	191
NY		1,680	1,360		336	266
Total		1,694	1,684		1,247	990
Dark Red Kidney <sup>1/</sup>						
CA		1,800	1,700		252	170
ID		1,710	1,570		24	33
MI		1,880	1,400		150	182
MN		1,720	1,780		395	582
NY		1,690	1,530		91	66
WI		1,700	1,900		185	207
Total		1,752	1,699		1,097	1,240

<sup>1/</sup> Estimates not available prior to 1990.

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**Dry Edible Beans: Area Planted and Harvested,  
by Commercial Class and State, 1989-91 (continued)**

Class and State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
Pink						
CA	16.0	17.0		16.0	17.0	
ID	43.6	43.0	33.5	43.1	42.6	33.5
MT	1.4	1.6	1.0	1.4	1.6	0.8
NM	0.5	0.3	0.8	0.5	0.3	0.8
WA	1.8	2.9	4.3	1.8	2.9	4.3
Total	63.3	64.8	39.6	62.8	64.4	39.4
Small Red						
ID	17.8	18.0	21.4	17.6	17.7	21.0
WA	13.4	12.8	13.9	13.2	12.6	13.9
Total	31.2	30.8	35.3	30.8	30.3	34.9
Cranberry						
MI	11.0	18.0	23.0	9.5	17.0	22.0
Total	11.0	18.0	23.0	9.5	17.0	22.0
Black Turtle Soup:						
MI	28.0	54.0	31.0	26.0	51.0	30.5
NY	7.1	10.0	8.0	6.8	9.8	7.8
Total	35.1	64.0	39.0	32.8	60.8	38.3
Blackeye						
CA	40.0	49.0	42.0	39.0	46.0	41.0
TX		6.0	3.0		5.0	2.5
Total	40.0	55.0	45.0	39.0	51.0	43.5
Garbanzo						
WA	3.4	5.3	3.5	3.3	5.2	3.5
Total	3.4	5.3	3.5	3.3	5.2	3.5
Other						
CA	12.0	12.0	14.0	11.0	10.0	14.0
CO	14.0	24.0	1.9	13.5	22.0	1.6
ID	5.0	3.8	3.8	4.9	3.7	3.7
KS	0.2	1.0	0.8	0.2	1.0	0.6
MI	1.5	4.0	3.0	1.0	4.0	3.0
MN	1.0	9.6	6.6	1.0	9.4	6.4
NE	1.0	2.0	1.0	0.8	1.8	0.9
NM	0.5	0.3	0.3	0.5	0.3	0.3
NY	2.9	4.5	3.5	2.7	4.3	3.4
ND	20.0	46.0	26.0	16.0	38.0	25.0
OR		2.2	2.2		2.1	2.1
TX		4.0	5.0		3.0	4.5
WA	2.4	2.5	3.3	2.3	2.4	3.3
Total	60.5	115.9	71.4	53.9	102.0	68.8

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Dry Edible Beans: Yield and Production,  
by Commercial Class and State, 1989-91 (continued)

Class and State	Yield Per Acre			Production		
	1989	1990	1991	1989	1990	1991
	Pounds			1,000 Cwt		
Pink						
CA	1,610	1,260		258	214	
ID	2,080	2,060	2,080	895	878	697
MT	2,140	1,690	1,880	30	27	15
NM	2,000	2,330	2,250	10	7	18
WA	2,330	2,380	2,140	42	69	92
Total	1,967	1,856	2,086	1,235	1,195	822
Small Red						
ID	2,110	2,090	2,130	372	370	447
WA	2,480	2,210	2,190	327	278	304
Total	2,269	2,139	2,152	699	648	751
Cranberry						
MI	1,740	1,940	1,820	165	330	400
Total	1,740	1,940	1,820	165	330	400
Black Turtle Soup:						
MI	1,420	1,800	1,840	370	920	560
NY	1,410	1,760	1,270	96	172	99
Total	1,420	1,796	1,721	466	1,092	659
Blackeye						
CA	2,040	1,970	2,300	797	906	943
TX		600	760		30	19
Total	2,040	1,835	2,211	797	936	962
Garbanzo						
WA	1,060	520	740	35	27	26
Total	1,060	520	740	35	27	26
Other						
CA	1,890	1,540	1,600	208	154	224
CO	2,000	2,100	1,560	270	462	25
ID	1,920	1,300	1,780	94	48	66
KS	1,500	1,000	1,330	3	10	8
MI	1,500	1,500	1,830	15	60	55
MN	1,000	760	1,640	10	71	105
NE	1,750	1,780	2,000	14	32	18
NM	1,400	1,670	1,330	7	5	4
NY	1,330	1,700	1,530	36	73	52
ND	1,080	960	1,570	172	365	392
OR		1,950	1,860		41	39
TX		700	1,070		21	48
WA	2,040	2,040	2,000	47	49	66
Total	1,625	1,364	1,602	876	1,391	1,102

**Dry Edible Beans: Area Planted and Harvested, Yield, and Production,  
by State and United States, 1989-91 1/ 2/**

State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
CA	185.0	175.0	147.0	180.0	166.0	144.0
CO	195.0	245.0	180.0	185.0	225.0	170.0
ID	170.0	180.0	145.0	168.0	178.0	143.0
KS	24.0	40.0	34.0	21.0	38.0	32.0
MI	300.0	350.0	350.0	265.0	330.0	345.0
MN	82.0	140.0	125.0	70.0	136.0	120.0
MT	6.0	13.5	9.0	5.9	13.0	8.3
NE	220.0	260.0	215.0	208.0	254.0	211.0
NM	15.0	14.5	16.0	14.0	14.0	16.0
NY	32.0	41.0	36.0	31.0	39.5	35.0
ND	500.0	570.0	520.0	410.0	550.0	510.0
OR <sup>3/</sup>		9.1	7.1		9.0	7.0
TX <sup>3/</sup>		25.0	16.0		21.0	14.0
UT	5.6	5.5	6.0	5.0	4.0	5.5
WA	44.0	48.0	50.0	43.0	47.0	50.0
WI <sup>3/</sup>		11.0	11.0		10.9	10.9
WY	46.0	50.0	42.0	45.0	49.0	41.0
US	1,824.6	2,177.6	1,909.1	1,650.9	2,084.4	1,862.7
	Yield Per Acre			Production		
	1989	1990	1991	1989	1990	1991
	Pounds			1,000 Cwt		
CA	1,865	1,842	2,172	3,357	3,058	3,127
CO	1,680	1,900	1,950	3,108	4,275	3,315
ID	2,050	2,000	2,050	3,444	3,560	2,932
KS	1,550	1,750	1,700	326	665	544
MI	1,500	1,650	1,800	3,975	5,445	6,210
MN	1,300	1,300	1,650	910	1,768	1,980
MT	2,200	1,690	1,900	130	220	158
NE	1,680	1,970	1,900	3,494	5,004	4,009
NM	2,000	1,650	2,000	280	231	320
NY	1,450	1,700	1,380	450	672	483
ND	600	910	1,480	2,460	5,005	7,548
OR <sup>3/</sup>		2,000	2,100		180	147
TX <sup>3/</sup>		1,050	1,120		221	157
UT	300	330	480	15	13	26
WA	2,160	1,940	2,000	929	912	1,000
WI <sup>3/</sup>		1,700	1,900		185	207
WY	1,890	1,970	1,950	851	965	800
US	1,437	1,553	1,770	23,729	32,379	32,963

1/ Excludes beans grown for garden seed. 2/ 1990 revised.  
3/ Estimates were begun in 1990.

**Lentils: Area Planted and Harvested, Yield, and Production,  
by State and United States, 1989-91**

State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
ID	39.0	43.0	47.0	38.0	40.0	46.0
WA	55.0	65.0	76.0	54.0	64.0	75.0
US	94.0	108.0	123.0	92.0	104.0	121.0
State	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Pounds			1,000 Cwt		
ID	1,350	700	1,350	513	280	621
WA	1,200	930	1,400	648	595	1,050
US	1,262	841	1,381	1,161	875	1,671

**Wrinkled Seed Peas: Production by State and United States, 1989-91**

State	Production		
	1989	1990	1991
	1,000 Cwt		
ID	655	596	639
WA	595	326	286
US	1,250	922	925

**Dry Edible Peas: Area Planted and Harvested, Yield, and Production,  
by State and United States, 1989-91**

State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
ID	60.0	58.0	80.0	60.0	55.0	79.0
WA	115.0	108.0	110.0	114.0	104.0	108.0
US	175.0	166.0	190.0	174.0	159.0	187.0
	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Pounds			1,000 Cwt		
ID	2,330	1,400	1,900	1,398	770	1,501
WA	2,180	1,540	2,050	2,485	1,602	2,214
US	2,232	1,492	1,987	3,883	2,372	3,715

**Austrian Winter Peas: Area Planted and Harvested, Yield, and Production,  
by State and United States, 1989-91**

State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
ID	9.7	12.0	12.0	8.7	11.0	11.0
OR	2.5	1.5	1.0	1.5	0.5	0.5
US	12.2	13.5	13.0	10.2	11.5	11.5
	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Pounds			1,000 Cwt		
ID	1,700	1,100	1,200	148	121	132
OR	1,200	1,200	1,400	18	6	7
US	1,627	1,104	1,209	166	127	139

Potatoes: Area Planted and Harvested,  
by State and United States 1989-91

State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
AL	13.2	12.8	11.0	12.9	12.5	9.3
AZ	5.8	6.9	6.0	5.8	6.9	6.0
CA	48.7	50.3	46.7	48.7	50.3	45.7
CO	68.8	72.8	78.5	68.2	72.2	75.4
CT <sup>1/</sup>	0.4			0.3		
DE	7.7	8.2	7.7	7.2	8.2	7.7
FL	43.6	45.5	43.7	42.6	44.7	43.0
ID	355.0	405.0	395.0	353.0	403.0	393.0
IL	3.4	3.4	4.5	3.3	3.1	4.2
IN	4.4	4.3	4.5	4.0	3.9	4.1
IA	1.5	1.7	1.5	1.5	1.0	1.3
LA <sup>1/</sup>	0.4			0.3		
ME	81.0	81.0	81.0	80.0	76.0	79.0
MD	2.1	1.8	1.7	1.8	1.8	1.7
MA	2.6	2.6	3.0	2.5	2.6	3.0
MI	43.5	46.0	47.0	40.0	44.5	45.5
MN	73.4	75.2	84.4	72.3	74.1	78.8
MO <sup>2/</sup>		6.8	6.7		5.8	6.3
MT	8.2	9.0	9.4	8.1	8.9	9.3
NE	10.4	12.2	11.6	10.2	12.0	11.2
NV	8.0	7.0	7.6	8.0	7.0	7.6
NJ	4.9	4.5	4.1	4.8	4.4	4.0
NM	11.6	12.0	10.5	11.5	10.0	10.0
NY	30.0	29.0	29.6	28.8	28.5	29.5
NC	17.7	18.0	18.8	17.0	17.6	18.4
ND	140.0	150.0	158.0	137.0	145.0	154.0
OH	8.5	8.0	8.0	7.9	7.8	7.7
OR	51.0	54.0	51.0	50.0	53.0	50.0
PA	21.0	23.0	21.0	20.5	22.5	20.0
RI	1.2	1.1	1.3	1.2	1.1	1.3
SD	10.0	9.0	7.5	9.0	9.0	7.1
TN <sup>1/</sup>	0.6			0.6		
TX	18.4	19.0	16.0	16.3	16.8	14.8
UT	6.3	6.3	6.1	6.1	6.2	6.0
VA	13.0	11.0	11.0	12.0	11.0	11.0
WA	118.0	133.0	144.0	118.0	132.0	141.0
WI	68.5	67.0	68.0	68.0	65.0	66.5
WY	2.2	2.3	2.1	2.1	2.2	2.0
US	1,305.0	1,399.7	1,408.5	1,281.5	1,370.6	1,375.4

<sup>1/</sup> Estimates discontinued.

<sup>2/</sup> Estimates were begun in 1990.

Potatoes: Yield and Production,  
by State and United States 1989-91

State	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Cwt			1,000 Cwt		
AL	199	155	135	2,571	1,943	1,252
AZ	315	260	295	1,827	1,794	1,770
CA	366	359	364	17,831	18,082	16,626
CO	334	345	347	22,747	24,874	26,168
CT <sup>1/</sup>	210			63		
DE	160	245	175	1,152	2,009	1,348
FL	195	219	188	8,304	9,792	8,082
ID	290	295	311	102,475	119,070	122,175
IL	260	270	240	858	837	1,008
IN	240	220	220	960	858	902
IA	175	160	160	263	160	208
LA <sup>1/</sup>	90			27		
ME	275	270	230	22,000	20,520	18,170
MD	175	180	175	315	324	298
MA	240	250	205	600	650	615
MI	241	272	257	9,650	12,115	11,715
MN	218	217	245	15,750	16,110	19,314
MO <sup>2/</sup>		165	210		957	1,323
MT	275	280	300	2,228	2,492	2,790
NE	306	292	277	3,126	3,499	3,100
NV	325	335	335	2,600	2,345	2,546
NJ	185	230	190	888	1,012	760
NM	350	340	345	4,025	3,400	3,450
NY	230	277	234	6,628	7,890	6,917
NC	136	192	165	2,310	3,380	3,044
ND	110	115	195	15,070	16,675	30,030
OH	185	245	185	1,462	1,911	1,425
OR	466	442	443	23,308	23,450	22,170
PA	230	240	175	4,715	5,400	3,500
RI	250	245	185	300	270	241
SD	220	220	250	1,980	1,980	1,775
TN <sup>1/</sup>	100			60		
TX	209	183	216	3,408	3,072	3,192
UT	245	265	270	1,495	1,643	1,620
VA	120	180	135	1,440	1,980	1,485
WA	545	515	535	64,310	67,980	75,435
WI	340	355	350	23,120	23,075	23,275
WY	275	255	250	578	561	500
US	289	293	304	370,444	402,110	418,229

<sup>1/</sup> Estimates discontinued in 1990.

<sup>2/</sup> Estimates were begun in 1990.

Potatoes: Area Planted and Harvested, Yield, and Production,  
by Seasonal Group, State, and United States, 1989-91

Seasonal Group and State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
Winter						
CA	5.5	5.5	5.6	5.5	5.5	4.6
FL	7.6	8.0	7.6	7.6	7.7	7.6
Total	13.1	13.5	13.2	13.1	13.2	12.2
Spring						
AL	5.5	5.8	4.0	5.4	5.7	2.5
AZ	5.8	6.9	6.0	5.8	6.9	6.0
CA	21.0	22.5	21.8	21.0	22.5	21.8
FL-Hastings	28.5	29.0	27.5	28.0	28.7	27.0
-Other	7.5	8.5	8.6	7.0	8.3	8.4
LA 1/	0.4			0.3		
NC	16.2	16.5	17.3	15.6	16.2	17.0
TX	7.4	7.0	5.0	5.8	6.8	4.8
Total	92.3	96.2	90.2	88.9	95.1	87.5
	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Cwt			1,000 Cwt		
Winter						
CA	240	230	245	1,320	1,265	1,127
FL	190	140	195	1,444	1,078	1,482
Total	211	177	214	2,764	2,343	2,609
Spring						
AL	240	150	120	1,296	855	300
AZ	315	260	295	1,827	1,794	1,770
CA	375	375	380	7,875	8,438	8,284
FL-Hastings	195	240	190	5,460	6,888	5,130
-Other	200	220	175	1,400	1,826	1,470
LA 1/	90			27		
NC	140	200	170	2,184	3,240	2,890
TX	135	165	165	783	1,122	792
Total	235	254	236	20,852	24,163	20,636

1/ Estimates discontinued in 1990.

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Potatoes: Area Planted and Harvested,  
by Seasonal Group, State, and United States, 1989-91 (continued)

Seasonal Group and State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
Summer						
AL	7.7	7.0	7.0	7.5	6.8	6.8
CA	6.1	5.3	4.8	6.1	5.3	4.8
CO	6.8	7.3	7.5	6.7	7.2	7.4
DE	7.7	8.2	7.7	7.2	8.2	7.7
IL	3.4	3.4	4.5	3.3	3.1	4.2
IA	1.5	1.7	1.5	1.5	1.0	1.3
MD	2.1	1.8	1.7	1.8	1.8	1.7
MI	10.5	12.0	12.0	10.0	11.5	11.5
MN	6.4	6.2	7.4	6.3	6.1	7.3
MO <u>1/</u>		6.8	6.7		5.8	6.3
NE	2.4	2.8	2.5	2.3	2.7	2.4
NJ	4.9	4.5	4.1	4.8	4.4	4.0
NM	11.6	12.0	10.5	11.5	10.0	10.0
NC	1.5	1.5	1.5	1.4	1.4	1.4
TN <u>2/</u>	0.6			0.6		
TX	11.0	12.0	11.0	10.5	10.0	10.0
VA	13.0	11.0	11.0	12.0	11.0	11.0
Total	97.2	103.5	101.4	93.5	96.3	97.8
Fall						
CA	16.1	17.0	14.5	16.1	17.0	14.5
CO	62.0	65.5	71.0	61.5	65.0	68.0
CT <u>2/</u>	0.4			0.3		
ID-10 SW Co	17.0	20.0	22.0	17.0	20.0	22.0
-Other Co	338.0	385.0	373.0	336.0	383.0	371.0
IN	4.4	4.3	4.5	4.0	3.9	4.1
ME	81.0	81.0	81.0	80.0	76.0	79.0
MA	2.6	2.6	3.0	2.5	2.6	3.0
MI	33.0	34.0	35.0	30.0	33.0	34.0
MN	67.0	69.0	77.0	66.0	68.0	71.5
MT	8.2	9.0	9.4	8.1	8.9	9.3
NE	8.0	9.4	9.1	7.9	9.3	8.8
NV	8.0	7.0	7.6	8.0	7.0	7.6
NY-Long Is	7.5	6.5	6.6	7.3	6.5	6.6
-Upstate	22.5	22.5	23.0	21.5	22.0	22.9
ND	140.0	150.0	158.0	137.0	145.0	154.0
OH	8.5	8.0	8.0	7.9	7.8	7.7
OR-Malheur Co:	5.4	7.2	6.8	5.2	7.0	6.6
-Other Co	45.6	46.8	44.2	44.8	46.0	43.4
PA	21.0	23.0	21.0	20.5	22.5	20.0
RI	1.2	1.1	1.3	1.2	1.1	1.3
SD	10.0	9.0	7.5	9.0	9.0	7.1
UT	6.3	6.3	6.1	6.1	6.2	6.0
WA	118.0	133.0	144.0	118.0	132.0	141.0
WI	68.5	67.0	68.0	68.0	65.0	66.5
WY	2.2	2.3	2.1	2.1	2.2	2.0
Total	1,102.4	1,186.5	1,203.7	1,086.0	1,166.0	1,177.9
US	1,305.0	1,399.7	1,408.5	1,281.5	1,370.6	1,375.4

1/ Estimates began in 1990.

2/ Estimates discontinued in 1990.

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Potatoes: Yield and Production, by Seasonal Group,  
State, and United States, 1989-91 (continued)

Seasonal Group and State	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Cwt			1,000 Cwt		
Summer						
AL	170	160	140	1,275	1,088	952
CA	360	330	325	2,196	1,749	1,560
CO	320	295	320	2,144	2,124	2,368
DE	160	245	175	1,152	2,009	1,348
IL	260	270	240	858	837	1,008
IA	175	160	160	263	160	208
MD	175	180	175	315	324	298
MI	230	250	250	2,300	2,875	2,875
MN	300	300	295	1,890	1,830	2,154
MO 1/		165	210		957	1,323
NE	260	245	265	598	662	636
NJ	185	230	190	888	1,012	760
NM	350	340	345	4,025	3,400	3,450
NC	90	100	110	126	140	154
TN 2/	100			60		
TX	250	195	240	2,625	1,950	2,400
VA	120	180	135	1,440	1,980	1,485
Total	237	240	235	22,155	23,097	22,979
Fall						
CA	400	390	390	6,440	6,630	5,655
CO	335	350	350	20,603	22,750	23,800
CT 2/	210			63		
ID-10 SW Co	395	400	410	6,715	8,000	9,020
-Other CO	285	290	305	95,760	111,070	113,155
IN	240	220	220	960	858	902
ME	275	270	230	22,000	20,520	18,170
MA	240	250	205	600	650	615
MI	245	280	260	7,350	9,240	8,840
MN	210	210	240	13,860	14,280	17,160
MT	275	280	300	2,228	2,492	2,790
NE	320	305	280	2,528	2,837	2,464
NV	325	335	335	2,600	2,345	2,546
NY-Long Is	260	300	250	1,898	1,950	1,650
-Upstate	220	270	230	4,730	5,940	5,267
ND	110	115	195	15,070	16,675	30,030
OH	185	245	185	1,462	1,911	1,425
OR-Malheur Co	390	360	400	2,028	2,520	2,640
-Other Co	475	455	450	21,280	20,930	19,530
PA	230	240	175	4,715	5,400	3,500
RI	250	245	185	300	270	241
SD	220	220	250	1,980	1,980	1,775
UT	245	265	270	1,495	1,643	1,620
WA	545	515	535	64,310	67,980	75,435
WI	340	355	350	23,120	23,075	23,275
WY	275	255	250	578	561	500
Total	299	302	316	324,673	352,507	372,005
US	289	293	304	370,444	402,110	418,229

1/ Estimates began in 1990.

2/ Estimates discontinued in 1990.

Sweetpotatoes: Area Planted and Harvested, Yield, and Production,  
by State and United States, 1989-91

State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
AL	4.0	5.0	4.8	3.9	4.9	4.7
CA	8.3	8.3	7.9	8.3	8.3	7.9
GA	5.0	5.0	4.0	4.8	4.5	3.8
LA	19.0	22.0	17.0	18.0	21.0	16.0
MD	0.6	0.6	0.3	0.5	0.6	0.3
MS	3.0	3.5	4.0	3.0	3.5	3.5
NJ	2.2	2.2	2.0	2.1	2.1	1.9
NC	35.0	36.0	31.0	34.0	34.0	30.0
SC	3.2	3.5	3.0	3.0	3.4	2.9
TN <sup>1/</sup>	0.6			0.6		
TX	7.8	6.8	5.8	7.0	6.2	5.5
VA	0.8	1.0	1.0	0.8	1.0	1.0
US	89.5	93.9	80.8	86.0	89.5	77.5
	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Cwt			1,000 Cwt		
AL	120	120	140	468	588	658
CA	175	175	185	1,453	1,453	1,462
GA	170	130	200	816	585	760
LA	160	160	170	2,880	3,360	2,720
MD	160	140	120	80	84	36
MS	95	120	140	285	420	490
NJ	80	130	115	168	273	219
NC	120	145	135	4,080	4,930	4,050
SC	110	110	95	330	374	276
TN <sup>1/</sup>	100			60		
TX	90	60	120	630	372	660
VA	135	155	165	108	155	165
US	132	141	148	11,358	12,594	11,496

<sup>1/</sup> Estimates discontinued in 1990.

Tobacco: Area Harvested, Yield, and Production,  
by State and United States, 1989-91

State	Area Harvested			Yield		
	1989	1990	1991	1989	1990	1991
	Acres			Pounds		
CT	1,730	1,820	1,750	1,614	1,652	1,618
FL	6,700	6,900	6,700	2,650	2,760	2,290
GA	40,000	43,000	40,000	2,180	2,415	2,020
IN	6,100	7,000	7,200	2,170	2,150	2,100
KY	178,050	194,150	223,150	2,059	2,278	2,149
MD	7,300	7,100	7,400	1,110	1,360	1,450
MA	480	470	480	1,554	1,713	1,615
MO	2,500	2,600	3,000	2,180	2,280	2,290
NC	266,700	284,200	274,900	2,029	2,251	2,308
OH	9,100	9,700	10,500	1,750	1,950	2,190
PA	9,500	10,000	10,500	1,887	1,978	1,978
SC	48,000	51,000	51,000	2,160	2,155	2,180
TN	45,500	53,590	61,700	1,754	2,094	1,980
VA	49,590	53,180	53,600	1,892	2,074	2,202
WV	1,450	1,700	1,800	1,300	1,600	1,700
WI	5,500	6,900	7,400	2,045	1,934	2,070
US	678,200	733,310	761,080	2,016	2,218	2,181
Production						
	1989	1990	1991	1,000 Pounds		
CT	2,793	3,007	2,831			
FL	17,755	19,044	15,343			
GA	87,200	103,845	80,800			
IN	13,237	15,050	15,120			
KY	366,551	442,253	479,575			
MD	8,103	9,656	10,730			
MA	746	805	775			
MO	5,450	5,928	6,870			
NC	541,056	639,639	634,455			
OH	15,925	18,915	22,995			
PA	17,925	19,780	20,765			
SC	103,680	109,905	111,180			
TN	79,820	112,218	122,170			
VA	93,814	110,269	118,045			
WV	1,885	2,720	3,060			
WI	11,248	13,346	15,320			
US	1,367,188	1,626,380	1,660,034			

Tobacco: Area Harvested, by Class and Type,  
by State and United States, 1989-91

Class and Type	Area Harvested		
	1989	1990	1991
	Acres		
<b>Class 1, Flue-cured</b>			
Type 11, Old and Middle Belts			
NC	98,000	106,000	104,000
VA	37,000	40,000	39,000
US	135,000	146,000	143,000
Type 12, Eastern NC Belt			
NC	127,000	135,000	129,000
Type 13, NC Border & SC Belt			
NC	34,000	35,000	33,000
SC	48,000	51,000	51,000
US	82,000	86,000	84,000
Type 14, GA-FL Belt			
FL	6,700	6,900	6,700
GA	40,000	43,000	40,000
US	46,700	49,900	46,700
Total 11-14	390,700	416,900	402,700
<b>Class 2, Fire-cured</b>			
Type 21, VA Belt			
VA	2,000	2,100	2,500
Type 22, Eastern District			
KY	3,100	3,150	3,300
TN	6,500	6,600	6,600
US	9,600	9,750	9,900
Type 23, Western District			
KY	3,000	3,100	3,100
TN	500	490	500
US	3,500	3,590	3,600
Total 21-23	15,100	15,440	16,000
<b>Class 3, Air-cured</b>			
Class 3A Light Air-cured			
Type 31, Burley			
IN	6,100	7,000	7,200
KY	169,000	185,000	213,000
MO	2,500	2,600	3,000
NC	7,700	8,200	8,900
OH	9,100	9,700	10,500
TN	38,000	46,000	54,000
VA	10,500	11,000	12,000
WV	1,450	1,700	1,800
US	244,350	271,200	310,400
Type 32, Southern MD Belt			
MD	7,300	7,100	7,400
PA	4,000	3,600	3,800
US	11,300	10,700	11,200
Total 31-32	255,650	281,900	321,600

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Tobacco: Yield and Production, by Class and Type,  
by State and United States, 1989-91 (continued)

Class and Type	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Pounds			1,000 Pounds		
Class 1, Flue-cured						
Type 11, Old and Middle Belts						
NC	1,945	2,090	2,275	190,610	221,540	236,600
VA	1,935	2,120	2,260	71,595	84,800	88,140
US	1,942	2,098	2,271	262,205	306,340	324,740
Type 12, Eastern NC Belt						
NC	2,090	2,370	2,345	265,430	319,950	302,505
Type 13, NC Border & SC Belt						
NC	2,120	2,290	2,350	72,080	80,150	77,550
SC	2,160	2,155	2,180	103,680	109,905	111,180
US	2,143	2,210	2,247	175,760	190,055	188,730
Type 14, GA-FL Belt						
FL	2,650	2,760	2,290	17,755	19,044	15,343
GA	2,180	2,415	2,020	87,200	103,845	80,800
US	2,247	2,463	2,059	104,955	122,889	96,143
Total 11-14	2,069	2,253	2,265	808,350	939,234	912,118
Class 2, Fire-cured						
Type 21, VA Belt						
VA	1,240	1,315	1,350	2,480	2,762	3,375
Type 22, Eastern District						
KY	1,930	2,450	2,100	5,983	7,718	6,930
TN	1,920	2,305	2,200	12,480	15,213	14,520
US	1,923	2,352	2,167	18,463	22,931	21,450
Type 23, Western District						
KY	2,290	2,600	2,200	6,870	8,060	6,820
TN	2,220	2,500	2,300	1,110	1,225	1,150
US	2,280	2,586	2,214	7,980	9,285	7,970
Total 21-23	1,915	2,265	2,050	28,923	34,978	32,795
Class 3, Air-cured						
Class 3A, Light Air-cured						
Type 31, Burley						
IN	2,170	2,150	2,100	13,237	15,050	15,120
KY	2,060	2,270	2,150	348,140	419,950	457,950
MO	2,180	2,280	2,290	5,450	5,928	6,870
NC	1,680	2,195	2,000	12,936	17,999	17,800
OH	1,750	1,950	2,190	15,925	18,915	22,995
TN	1,720	2,060	1,950	65,360	94,760	105,300
VA	1,870	2,055	2,200	19,635	22,605	26,400
WV	1,300	1,600	1,700	1,885	2,720	3,060
US	1,975	2,205	2,112	482,568	597,927	655,495
Type 32, Southern MD Belt						
MD	1,110	1,360	1,450	8,103	9,656	10,730
PA	1,800	1,850	1,850	7,200	6,660	7,030
US	1,354	1,525	1,586	15,303	16,316	17,760
Total 31-32	1,947	2,179	2,093	497,871	614,243	673,255

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Tobacco: Area Harvested, by Class and Type,  
by State and United States, 1989-91 (continued)

Class and Type	Area Harvested		
	1989	1990	1991
	Acres		
Class 3, Air-cured			
Class 3B, Dark			
Air-cured			
Type 35, One Sucker			
Belt			
KY	1,950	2,000	2,500
TN	500	500	600
US	2,450	2,500	3,100
Type 36, Green River			
Belt			
KY	1,000	900	1,250
Type 37, VA Sun-cured			
Belt			
VA	90	80	100
Total 35-37	3,540	3,480	4,450
Class 4, Cigar Filler			
Type 41, PA Seedleaf			
PA	5,500	6,400	6,700
Class 5, Cigar Binder			
Class 5A, CT Valley			
Binder			
Type 51, CT Valley			
Broadleaf			
CT	630	570	670
MA	100	90	110
US	730	660	780
Class 5B, WI Binder			
Type 54, Southern WI			
WI	3,500	4,100	4,200
Type 55, Northern WI			
WI	2,000	2,800	3,200
Total 54-55	5,500	6,900	7,400
Total 51-55	6,230	7,560	8,180
Class 6, Cigar Wrapper			
Type 61, CT Valley			
Shade-grown			
CT	1,100	1,250	1,080
MA	380	380	370
US	1,480	1,630	1,450
All Cigar Types			
Total 41-61	13,210	15,590	16,330
All Tobacco	678,200	733,310	761,080

Tobacco: Yield and Production, by Class and Type,  
by State and United States, 1989-91 (continued)

Class and Type	Yield			Production		
	1989	1990	1991	1989	1990	1991
	----- Pounds -----			----- 1,000 Pounds -----		
Class 3, Air-cured						
Class 3B, Dark						
Air-cured						
Type 35, One Sucker						
Belt						
KY	1,850	2,250	2,100	3,608	4,500	5,250
TN	1,740	2,040	2,000	870	1,020	1,200
US	1,828	2,208	2,081	4,478	5,520	6,450
Type 36, Green River						
Belt						
KY	1,950	2,250	2,100	1,950	2,025	2,625
Type 37, VA Sun-cured						
Belt						
VA	1,155	1,275	1,300	104	102	130
Total 35-37	1,845	2,197	2,069	6,532	7,647	9,205
Class 4, Cigar Filler						
Type 41, PA Seedleaf						
PA	1,950	2,050	2,050	10,725	13,120	13,735
Class 5, Cigar Binder						
Class 5A, CT Valley						
Binder						
Type 51, CT Valley						
Broadleaf						
CT	1,700	1,700	1,750	1,071	969	1,173
MA	1,850	2,120	1,860	185	191	205
US	1,721	1,758	1,767	1,256	1,160	1,378
Class 5B, WI Binder						
Type 54, Southern WI						
WI	2,185	2,275	2,200	7,648	9,328	9,240
Type 55, Northern WI						
WI	1,800	1,435	1,900	3,600	4,018	6,080
Total 54-55	2,045	1,934	2,070	11,248	13,346	15,320
Total 51-55	2,007	1,919	2,041	12,504	14,506	16,698
Class 6, Cigar Wrapper						
Type 61, CT Valley						
Shade-grown						
CT	1,565	1,630	1,535	1,722	2,038	1,658
MA	1,475	1,615	1,540	561	614	570
US	1,543	1,627	1,537	2,283	2,652	2,228
All Cigar Types						
Total 41-61	1,931	1,942	2,000	25,512	30,278	32,661
All Tobacco	2,016	2,218	2,181	1,367,188	1,626,380	1,660,034

**Sugarbeets: Area Planted and Harvested, Yield and Production,  
by State and United States, 1989-91 1/**

State	Area Planted			Area Harvested		
	1989	1990	1991	1989	1990	1991
	1,000 Acres					
CA	176.0	173.0	160.0	169.0	168.0	155.0
CO	40.6	40.8	39.4	40.0	40.0	39.0
ID	179.0	188.0	196.0	177.0	186.0	195.0
MI	154.0	160.0	171.0	150.0	157.0	166.0
MN	342.0	368.0	369.0	341.0	364.0	363.0
MT	52.7	55.2	56.6	51.9	55.1	56.3
NE	70.1	75.1	82.0	62.2	71.0	78.2
ND	180.2	193.9	195.0	180.1	193.2	193.9
OH	13.6	20.0	20.3	11.9	19.2	18.5
OR	15.9	17.2	18.9	15.2	16.7	18.6
TX	36.6	41.9	41.5	35.3	41.0	36.5
WY	61.8	65.0	69.0	59.3	63.8	66.4
Oth	1.9	2.3	2.3	1.6	2.2	2.3
Sts 2/						
US	1,324.4	1,400.4	1,421.0	1,294.5	1,377.2	1,388.7
	Yield			Production		
	1989	1990	1991	1989	1990	1991
	Tons			1,000 Tons		
CA	27.3	25.8	24.0	4,614	4,334	3,720
CO	22.8	23.6	24.0	912	944	936
ID	22.8	26.0	25.1	4,038	4,836	4,895
MI	17.1	20.8	15.5	2,565	3,266	2,573
MN	16.0	14.8	17.0	5,456	5,387	6,171
MT	19.9	22.5	23.3	1,033	1,240	1,312
NE	18.8	21.0	20.2	1,169	1,491	1,580
ND	15.7	14.4	18.4	2,828	2,782	3,568
OH	16.7	18.5	16.0	199	355	296
OR	25.7	29.2	29.0	391	488	539
TX	21.0	24.8	22.1	743	1,017	807
WY	19.2	20.5	20.6	1,139	1,308	1,368
Oth	27.5	29.5	36.1	44	65	83
Sts 2/						
US	19.4	20.0	20.1	25,131	27,513	27,848

1/ Relates to year of intended harvest except for overwintered spring planted beets in CA.

2/ Includes NM and WA.

Sugarcane: Area Harvested, Yield and Production,  
by State and United States, 1989-91

State	Area Harvested			Yield		
	1989	1990	1991	1989	1990	1991
	1,000 Acres			Tons		
For Sugar						
FL	405.0	419.0	429.0	31.4	35.5	34.3
HI	74.7	72.0	66.5	94.8	90.8	87.3
LA	290.0	201.0	321.0	25.7	20.6	23.0
TX	33.6	34.4	34.9	24.7	26.5	31.5
US	803.3	726.4	851.4	34.9	36.4	34.1
For Seed						
FL	15.0	15.0	14.0	31.4	35.5	34.3
HI	6.7	7.0	7.5	29.1	26.4	25.2
LA	25.0	44.0	24.0	25.7	20.6	23.0
TX	1.9	1.8	1.7	25.3	20.6	20.0
US	48.6	67.8	47.2	27.9	24.5	26.6
For Sugar and Seed						
FL	420.0	434.0	443.0	31.4	35.5	34.3
HI	81.4	79.0	74.0	89.4	85.1	81.0
LA	315.0	245.0	345.0	25.7	20.6	23.0
TX	35.5	36.2	36.6	24.7	26.2	31.0
US	851.9	794.2	898.6	34.5	35.4	33.7
	Production <u>1/</u>					
	1989	1990	1991			
	1,000 Tons					
For Sugar						
FL	12,717	14,874	14,715			
HI	7,082	6,538	5,805			
LA	7,440	4,150	7,383			
TX	830	913	1,099			
US	28,069	26,475	29,002			
For Seed						
FL	471	533	480			
HI	195	185	189			
LA	643	906	552			
TX	48	37	34			
US	1,357	1,661	1,255			
For Sugar and Seed						
FL	13,188	15,407	15,195			
HI	7,277	6,723	5,994			
LA	8,083	5,056	7,935			
TX	878	950	1,133			
US	29,426	28,136	30,257			

1/ Net tons.

Sugar and Molasses: Production by Type and Source,  
by State and United States, 1989-91

Source and State	Sugar						Molasses <u>1/</u>		
	Raw Value			Refined Basis			1989	1990	1991 <u>2/</u>
	1989	1990	1991 <u>2/</u>	1989	1990	1991 <u>2/</u>	1989	1990	1991 <u>2/</u>
	----- 1,000 Tons -----						----- 1,000 Gallons -----		
Sugar-cane									
FL	1,399	1,806	1,723	1,307	1,688	1,610	100,042	104,131	98,235
LA	844	438	749	789	409	700	41,950	27,100	44,500
TX	69	88	105	64	82	98	11,799	8,062	9,870
Main-land Total	2,312	2,332	2,577	2,160	2,179	2,408	153,791	139,293	152,605
HI <u>3/</u>	864	820	720	807	766	673	40,940	38,980	34,300
US	3,176	3,152	3,297	2,967	2,945	3,081	194,731	178,273	186,905
Sugar-beets									
US	3,442	3,842	3,733	3,217	3,591	3,489			
Cane & Beets									
US	6,618	6,994	7,030	6,184	6,536	6,570			

1/ Blackstrap (80 degree brix) includes high-test molasses from frozen cane and edible molasses. LA edible molasses totaled 1,990 thousand gallons in 1989 and 1,405 thousand gallons in 1990. 1991 will be available in June.

2/ Preliminary.

3/ 85 degree brix.

Mint Oil: Area Harvested, Yield, and Production,  
by Crop, State, and United States, 1989-91

Crop and State	Area Harvested			Yield		
	1989	1990	1991	1989	1990	1991
	----- 1,000 Acres -----			----- Pounds -----		
Peppermint						
ID	13.0	13.0	15.1	75	73	72
IN	15.0	15.8	21.0	40	39	31
OR	46.5	46.0	47.5	67	73	64
WA	17.3	18.1	18.1	91	93	71
WI	9.0	8.9	9.0	43	39	45
US	100.8	101.8	110.7	66	68	58
Spearmint						
ID	2.1	2.7	3.2	72	86	90
IN	4.4	4.8	7.5	38	30	30
MI	1.9	2.2	3.0	32	30	36
OR	1.5	1.9	2.0	70	76	80
WA	10.6	14.7	15.6	104	114	108
WI	5.9	7.4	9.4	44	41	49
US	26.4	33.7	40.7	70	76	72
	----- Production -----					
	1989	:	1990	:	1991	
	----- 1,000 Pounds -----					
Peppermint						
ID	975		949		1,087	
IN	600		616		651	
OR	3,116		3,358		3,040	
WA	1,574		1,683		1,285	
WI	387		347		405	
US	6,652		6,953		6,468	
Spearmint						
ID	151		232		288	
IN	167		144		225	
MI	61		66		108	
OR	105		144		160	
WA	1,102		1,676		1,685	
WI	260		303		461	
US	1,846		2,565		2,927	

Hops: Area Harvested and Yield  
by Variety, State, and United States, 1989-91

State and Variety	Area Harvested			Yield		
	1989	1990	1991	1989	1990	1991
	Acres			Pounds		
<b>ID</b>						
Aquila	110	103	103	1,660	1,600	1,510
Banner	110	107	145	2,130	2,100	1,830
Chinook	220	292	465	1,770	1,100	1,220
Cluster	490	560	734	2,010	2,000	2,050
Eroica	350	317	243	1,640	1,600	1,650
Galena	540	528	517	1,580	1,500	1,530
Other Varieties	980	793	1,911	890	1,160	910
<b>Total</b>	<b>2,800</b>	<b>2,700</b>	<b>4,118</b>	<b>1,461</b>	<b>1,500</b>	<b>1,319</b>
<b>OR</b>						
Fuggles	801	608	487	1,200	1,410	770
Galena	149	99	99	1,780	1,940	2,030
Mt. Hood		47	47		1,010	1,530
Nugget	1,278	1,393	1,695	2,030	1,970	1,790
Perle	285	134	177	1,530	1,580	970
Tettnang	531	618	577	1,080	1,290	1,270
Willamette	3,792	3,859	3,590	1,590	1,420	1,400
Other Varieties	576	342	518	1,740	1,560	1,090
<b>Total</b>	<b>7,412</b>	<b>7,100</b>	<b>7,190</b>	<b>1,600</b>	<b>1,530</b>	<b>1,415</b>
<b>WA 1/</b>						
Aquila	356	348	346	2,320	2,130	2,500
Banner	356	361	366	2,380	2,030	2,300
Cascade	1,297	1,270	1,240	1,980	1,630	2,050
Chinook	1,269	1,454	2,112	1,880	1,910	1,790
Cluster	6,374	6,054	6,230	2,040	1,890	2,090
Eroica	472	439	398	1,990	1,820	2,080
Galena	5,735	6,161	7,628	1,920	1,800	2,010
Mt. Hood		513	820		720	1,070
Nugget	2,241	2,827	2,955	1,940	1,690	2,260
Olympic	279	280	337	1,770	1,700	1,980
Perle	779	798	758	1,180	1,000	1,350
Tettnang	2,410	2,362	2,254	1,040	980	1,210
Willamette	2,507	2,604	2,583	1,310	1,280	1,570
Other Varieties	261	192	218	940	1,150	1,430
<b>Total</b>	<b>24,336</b>	<b>25,663</b>	<b>28,245</b>	<b>1,782</b>	<b>1,634</b>	<b>1,896</b>
<b>US</b>	<b>34,548</b>	<b>35,463</b>	<b>39,553</b>	<b>1,717</b>	<b>1,603</b>	<b>1,748</b>

1/ Includes California to avoid disclosure of individual operations.

Hops: Production  
by Variety, State, and United States, 1989-91

State and Variety	Production		
	1989	1990	1991
	1,000 Pounds		
<b>ID</b>			
Aquila	182.6	164.8	155.5
Banner	234.3	224.7	265.4
Chinook	389.4	321.2	567.3
Cluster	984.9	1,120.0	1,504.7
Eroica	574.0	507.2	401.4
Galena	853.2	792.0	793.1
Other Varieties	872.2	920.1	1,743.4
<b>Total</b>	<b>4,090.6</b>	<b>4,050.0</b>	<b>5,430.8</b>
<b>OR</b>			
Fuggles	961.2	857.3	375.0
Galena	265.2	192.1	201.0
Mt. Hood		47.5	71.9
Nugget	2,594.3	2,744.2	3,042.5
Perle	436.1	211.7	171.7
Tettnang	573.5	797.2	732.8
Willamette	6,029.3	5,479.7	5,014.4
Other Varieties	999.4	533.3	564.6
<b>Total</b>	<b>11,859.0</b>	<b>10,863.0</b>	<b>10,173.9</b>
<b>WA 1/</b>			
Aquila	825.9	741.2	865.0
Banner	847.3	732.8	841.8
Cascade	2,568.0	2,070.1	2,542.0
Chinook	2,385.7	2,777.1	3,780.5
Cluster	13,003.0	11,442.1	13,020.7
Eroica	939.3	799.0	827.8
Galena	11,011.2	11,089.8	15,332.3
Mt. Hood		369.4	877.4
Nugget	4,347.5	4,777.6	6,678.3
Olympic	493.8	476.0	667.3
Perle	919.2	798.0	1,023.3
Tettnang	2,506.4	2,314.8	2,727.3
Willamette	3,284.2	3,333.1	4,055.3
Other Varieties	245.3	220.8	311.7
<b>Total</b>	<b>43,376.8</b>	<b>41,941.8</b>	<b>53,550.7</b>
<b>US</b>	<b>59,326.4</b>	<b>56,854.8</b>	<b>69,155.4</b>

1/ Includes California to avoid disclosure of individual operations.

Coffee: Area Harvested, Yield, and Production, Hawaii, 1989-91

State:	Area Harvested			Yield			Production <u>1/</u>		
	1989-90:	1990-91:	1991-92:	1989-90:	1990-91:	1991-92:	1989-90:	1990-91:	1991-92:
	----- Acres -----			----- Pounds -----			--- 1,000 Pounds ---		
HI	2,300	2,400	<u>2/1,700</u>	1,390	1,400	<u>2/1,180</u>	3,200	3,350	<u>2/2,000</u>

1/ Parchment basis.

2/ Excluding the island of Kauai in 1991-92.

Taro: Area Harvested, Yield, and Production, Hawaii, 1989-91

State:	Area Harvested <u>1/</u>			Yield			Production		
	1989 :	1990 :	1991 :	1989 :	1990 :	1991 :	1989 :	1990 :	1991 :
	----- Acres -----			----- Pounds -----			--- 1,000 Pounds ---		
HI	430	420	600	15,100	13,800	11,700	6,500	5,800	7,000

1/ Average during year.

Ginger Root: Area Harvested, Yield, and Production, Hawaii, 1989-91

State:	Area Harvested			Yield			Production		
	1989 :	1990 :	1991 :	1989 :	1990 :	1991 :	1989 :	1990 :	1991 :
	----- Acres -----			----- Pounds -----			--- 1,000 Pounds ---		
HI	180	190	250	50,000	50,000	48,000	9,000	9,500	12,000

Alaska: Area Planted and Harvested, Yield, and Production, 1989-91

Crop	Area Planted for All Purposes			Area Harvested		
	1989	1990	1991	1989	1990	1991
	Acres					
Oats	1,400	1,300	2,200	700	600	1,100
Barley	5,100	5,700	5,200	4,700	5,400	5,000
All Silage				2,400	1,400	1,700
All Hay				12,700	15,100	16,700
Potatoes	850	800	660	840	590	650
	Yield			Production		
	1989	1990	1991	1989	1990	1991
	1,000					
Oats - Bu	79.5	39.5	54.0	55.7	23.7	59.4
Barley - Bu	53.0	25.5	50.0	249.0	138.0	250.0
All Silage-Ton:	3.63	4.43	3.94	8.7	6.2	6.7
All Hay - Ton :	1.30	1.07	1.17	16.5	16.2	19.5
Potatoes - Cwt:	233.0	234.0	215.0	196.0	138.0	140.0

## 1991 Crop Progress Review

**Fall Seeded Grains:** Several varieties of small grains were seeded and established in the fall, and left dormant or grazed over the winter. The purpose of fall seeding was to get a head start on the growing season in hopes of achieving better yields. Winter wheat was the predominant fall seeded grain, but many varieties of barley, rye, and oats were also commonly seeded in this fashion.

Preparations for fall seeding got underway in mid-August on the heels of the 1990 crop harvests. Seeding was underway in the southern Great Plains during the second half of the month, but growers were concerned about shortages of soil moisture. Progress of winter wheat seeding lagged behind normal in Colorado and the central Great Plains during September, as growers awaited moisture to assure germination. Soils were extremely dry in the Southeast, and abnormally dry in the Midwest during September. Seeding advanced rapidly in the Pacific Northwest, however, as growers took advantage of favorably moist soil conditions. Seeding progress and emergence accelerated by early October as rain showers traversed the eastern two-thirds of the Nation. Aphids became a problem in emerged stands in the West, and grasshoppers infested winter wheat in southeastern Nebraska. Winter wheat seeding was in full swing in California and the Southeast in early November, and nearly complete in the other regions. Rains and snow during late October and early November benefitted the crop, and crop condition rated mostly good entering winter. Snow cover was limited in the northern Rocky Mountains and Pacific Northwest during much of the winter, leaving fall seeded grains vulnerable to freeze. A December cold blast caused extensive winterkill in Washington's winter wheat, mandating the re-seeding of many acres in spring.

Fall seeded grains had begun greening in the Nation's southernmost States in February, and in the northern States in late March. Crop condition rated good to fair in most States entering spring, with Washington's freeze damaged crop being the most notable exception. Heading of the winter wheat crop had begun during March in California and Georgia, and was beginning further north by April. Small grains in the Texas High Plains suffered from high winds and drought-like conditions during April. Predominately wet weather during the early part of May resulted in increased occurrence of foliar diseases in parts of the Cornbelt and Ohio Valley, and continuous wet field conditions stressed crops in the lower Mississippi Valley. Above-normal temperatures across the Nation during April and the latter half of May advanced crop maturity faster than normal. Winter wheat harvest was underway in southern Texas entering May, and progressed rapidly during the second half of the month and first half of June.

Above-normal temperatures pushed wheat to early maturity in the Ohio Valley and Great Plains during June and July, and harvest was ahead of schedule. Harvest was complete in the South-Central and Eastern regions by the end of July, nearly complete in the Northern Plains and Rocky Mountains, and getting underway in the Pacific Northwest. Harvest was completed in early September in the northern Rocky Mountains and Pacific Northwest.

**Other Crops:** Winter precipitation accumulations well in excess of normal were recorded in the Ohio and Tennessee Valleys, and along the Gulf Coast. Widespread flooding occurred during December in the Ohio and Tennessee Valleys, and the Delta region was drenched by heavy rains in January.

California finally received some relief from drought with rainfall from several storms during late February and March.

Corn planting got underway in the Southeast in late February, and progressed slightly ahead of schedule during March. Georgia's corn planting was well along by April, and over one-half of the Texas corn was planted. Planting of grain sorghum was also active during late winter and was well ahead of schedule. By April, sorghum planting was in full swing in Louisiana and Mississippi, and near the midpoint in Texas. Rice seeding got off to a good start in the Delta, while rains delayed fieldwork in Texas' Upper Coast region. Rain showers and cool weather delayed March cotton planting in Arizona and California. Heavy rains moved from the Texas Gulf Coast into the Mississippi and Tennessee Valleys the second week of April, commencing more than a month of incessant rainfall in the region. Planting progress for many crops was severely delayed in the western Cornbelt, Delta, and Southeast. Corn planting was well behind normal in Iowa, Minnesota, Missouri, Nebraska, and Ohio by May, and cotton planting was late in Louisiana, Mississippi, Arkansas, and Tennessee.

Continuous wet field conditions stressed crops in the lower Mississippi Valley during early May, while the West experienced mostly dry weather which allowed growers to progress with planting. Corn planting was slowed by rains early in May, but surged ahead with the clear weather at mid-month. Planting progress was ahead of normal from Illinois through the Ohio Valley, but behind normal in the western Corn Belt. Above-normal temperatures traversing the Nation in the latter half of the month promoted crop development. Corn planting was nearly complete by June, and crop condition rated mostly good in all of the major producing States. Soybean planting progress was generally behind normal in the northern Great Plains, Mississippi Valley, and the Southeast, but ahead of normal in Kansas, Illinois, and the Ohio Valley. Cotton planting advanced sharply during early June in the lower Mississippi and Tennessee Valleys as fields finally dried sufficiently for fieldwork. Grain sorghum planting was later than normal in the Missouri Valley and Delta, but ahead of normal in Illinois, Oklahoma, and Texas. Severe flooding struck parts of northeastern Iowa at mid-June, causing some acreage abandonment.

Pushed by higher than normal temperatures across most of the Nation during July, crops continued to develop and mature earlier than normal. Lack of rainfall, however, became a concern to producers in the Plains and Corn Belt regions, as only sporadic thundershowers were received during the month. The corn crop was progressing ahead of schedule in the eastern half of the Nation, and continued to develop ahead of schedule through the month. Harvest was underway in southern Texas and the Gulf States during the second half of the month, while much of the crop was in the dough stage in the eastern Corn Belt. Crop condition deteriorated steadily during the month as soil moisture deficiencies intensified from southeastern Iowa through Pennsylvania. Soybean planting was virtually complete entering July, and bloom had advanced much further than usual in the Ohio Valley. By the end of the month, pods were set on much of the Ohio Valley acreage and had begun beginning to set in the Delta. As with corn, soybean crop condition deteriorated during the month due to limited soil moisture. Improved conditions, however, were evident where sufficient rains were received; the Great Lakes, Southeast, and Louisiana. Development of the Nation's cotton crop was lagging somewhat behind normal entering July due to late planting in the Delta and Tennessee Valley, and cool

spring weather in the West. Hotter weather during the month promoted rapid crop development and crop progress was near normal by the end of the month. South Texas growers were picking cotton as weather permitted during the latter half of the month. Crop condition was good in the Southwest and Southeast but mostly fair in the Mississippi and Tennessee Valleys. Rice progress was ahead of normal in Arkansas, Texas, and Louisiana entering July, but behind normal in California and Mississippi. Harvest got underway near mid-month in the southern regions of Texas and Louisiana. Rice condition rated fair in Louisiana and mostly good in the other major producing States. Sorghum was heading slightly earlier than normal in July and advanced at a good pace during the month. Crop condition was mostly good in the High Plains and fair in Kansas and the Mississippi Valley.

Scattered thundershowers throughout August provided varying quantities of moisture to developing crops in the eastern two-thirds of the Nation, while dry weather prevailed in the West. Small grain harvests approached completion and row crop harvests got underway. Heavy rains from Hurricane Bob stalled farm activity in the latter half of the month in New England, and associated high winds damaged northern Atlantic coast fruits and vegetables. Crops were being stressed by drought conditions in the eastern Corn Belt. Limited rainfall during the month provided little relief to the parched fields in the eastern Corn Belt, while periodic rains interrupted corn harvest in Texas and the Gulf. Corn condition ratings remained mostly fair to good for the 17 major States, with good conditions in the Great Lakes, Southeast, Colorado, and Minnesota. However, poor or very poor conditions continued for much of the corn in the Ohio Valley, Illinois, Kansas, Missouri, and Pennsylvania. Entering August, the soybean crop was developing much earlier than normal in the Ohio Valley and South Dakota with pods setting on over half of the acreage. Nationwide, crop development was only slightly ahead of normal. Soybean condition rated mostly fair to good, with the highest ratings in the northernmost States. Lack of rainfall during the month stressed the crops in Kansas, Nebraska, and Missouri, while showers during the second half of the month benefitted the later seeded beans in the Ohio Valley. Pod setting was nearly complete by the end of the month and leaves were dropping much earlier than usual in the northern producing States. Cotton progress was slightly behind schedule entering August with a significant lag in Tennessee due to late planting. Squaring was approaching completion in the 14 major producing States, and bolls were setting on over half of the acres. Picking was underway in southern Texas. Cooler-than-normal temperatures during August kept the California cotton crop behind schedule, while high temperatures promoted development of Tennessee's crop. Cotton condition rated mostly good in the Southwest and Southeast during the first half of August, and mostly fair in the Mississippi and Tennessee Valleys. Timely rains at the end of the month raised condition ratings to mostly good in the Delta, while good conditions were sustained in the Southwest and Southeast. At the end of the month, growers in the Southwest and Gulf Coast were defoliating fields in preparation for picking, and harvest was advancing into central Texas. Heading of the Nation's rice crop was ahead of last year but slightly behind the historic average entering August. Rice harvest was underway in Texas and Louisiana, while cool temperatures during the month kept the California crop behind schedule and the Mississippi crop remained behind schedule. Grain sorghum was heading on nearly half of the acreage in the 12 major producing States by the beginning of August, ahead of both last year and the historic average and harvest was underway in southern Texas. Sorghum condition was mostly good in the High Plains and fair in Kansas and the Mississippi Valley.

Lack of rain and high temperatures in the Great Plains during the month hurt crop conditions for sorghum. Sorghum maturity remained behind normal in the Mississippi Valley and Colorado but ahead of schedule elsewhere. Sorghum harvest was continuing in the southern States at the end of the month and getting underway in Missouri. Spring wheat harvest was in the early stages entering August, and mostly dry weather during the month allowed harvest to progress unhindered. Spring wheat harvest was nearly complete by the end of the month.

Harvests of principal field crops were getting underway between rains in early September, as thunderstorms frequented the eastern two-thirds of the Nation. The West, meanwhile, remained mostly dry. Widespread rains fell over Texas, Oklahoma, and the East during the latter half of the month, while dry weather prevailed elsewhere. Soils remained excessively dry in the central regions of Kansas, Oregon, Washington, and Virginia throughout the month, and soil moisture remained short to adequate across the Midwest. Above-normal temperatures early in the month brought crops to maturity ahead of schedule in most States and minimized the impact of lower temperatures later in the month. Corn harvest was underway in the South by September, and was starting in the Cornbelt. Rains early in the month provided some relief from drought conditions in the eastern Cornbelt, but the corn crop was generally too mature to benefit. Harvest was in full swing throughout the month, and progressed much faster than usual. Corn maturity was slightly behind normal in Colorado, Iowa, and Texas, but ahead of schedule in the other major States. The soybean crop, paced by much earlier-than-normal development in the eastern Cornbelt and South Dakota, entered September with progress of pod setting and leaf dropping ahead of both last year and the historic average. Harvest was just getting underway in the earliest maturing fields. Rains early in the month benefitted late seeded acreage, and high temperatures kept crop development ahead of schedule. An early freeze hit the Midwest the third week in September and some damage to late planted fields was reported in North-central Iowa, northern Missouri, and South-central Minnesota. Soybean condition remained poor throughout the month in Kansas, as rainfall was sparse. By the end of September, harvest was in full swing in the Northern States and getting underway in the southern Mississippi Valley and Gulf Coast. Cotton progress remained behind schedule entering September, but picking was underway in South-central Texas and was beginning in Alabama. Picking became more widespread in the East as the month progressed, while frequent rains in Texas complicated harvest. Grain sorghum harvest was in full swing in Texas and the Delta by the beginning of September, with crop maturity running behind normal in Colorado and the Delta, but ahead of normal elsewhere. Lack of rainfall stressed sorghum in Kansas, Nebraska, and Missouri, while condition rated mostly fair to good for the 12 major producing States. Sorghum harvest was active throughout September. Rice harvest was well along in Louisiana and Texas entering September, and in the early stages in Arkansas and Mississippi. California's rice harvest got underway the third week in September, while Texas growers were finishing.

October commenced with the Nation's principal grain and oilseed harvests in full swing. Rain was welcomed in the eastern Corn Belt early in the month, while heavy rains caused some coastal flooding in eastern Florida. Most of the Nation, however, received little precipitation and harvests continued to progress ahead of schedule. Warm, dry weather prevailed over the western half of the Nation until late in the month when storms bearing colder, moist air

pushed the warm weather to the East. Most of the East, meanwhile, experienced periodic light rains and below-normal temperatures through much of October, replaced by Indian Summer conditions at month's end. Soils remained excessively dry in Kansas throughout the month, and soil moisture remained short to adequate across the Midwest. Corn harvest was progressing much faster than normal entering October, particularly in South Dakota and the eastern Corn Belt. Corn harvest was in full swing throughout the month and was nearly complete by the end of the month. Soybean harvest was in full swing in the Northern States, and getting underway in the lower Mississippi Valley and Gulf Coast at the beginning of the month. Colder-than-normal weather in the eastern half of the Nation during much of October encouraged leaf drop, and weather conditions allowed harvest to progress rapidly. Harvest was nearly complete in the Northern States and in full swing in the lower Mississippi Valley and Gulf Coast at the end of October. Cotton picking was in full swing in the East and getting underway in California as October arrived. Warm weather in the West promoted crop maturity during the month and harvest progressed well. Grain sorghum maturity and harvest were ahead of schedule entering October, with progress most advanced in the Midwest. Sorghum harvest progressed rapidly and was complete, or nearly so, by the end of the month in all States except New Mexico and Oklahoma. Rice harvest was in full swing in Arkansas and Mississippi entering October, and was gaining momentum in California. Dry weather allowed California growers to harvest virtually their entire crop during the month, while the Arkansas and Mississippi harvests drew to completion. Harvest of the ratoon crop was active in Louisiana and Texas.

Progress of the corn harvest was at or ahead of normal in all of the major producing States entering November, with harvest complete in South Dakota and well along in the eastern Corn Belt. Record cold and snows slowed activity early in the month, but a brief respite near mid-month allowed for harvest of most fields in the Corn Belt. Harvest was nearly completed by the end of November with activity continuing in only Missouri, New York, Oregon, Pennsylvania, and Washington. Soybean harvest, although slowed by the inclement weather of early November, was completed considerably earlier than normal in the northern producing States. Soybean harvest continued between rains in the Southeast through the end of November. Record November snowfall and an early winter in northern Iowa and Minnesota damaged or destroyed some late seeded soybeans. Rains early in November halted cotton picking in Missouri and slowed harvest to a near stand-still in Texas and the Mississippi and Tennessee Valleys. Cotton harvest progressed, however, at a near-normal pace during the month and harvest was nearly complete in the Mississippi and Tennessee Valleys by mid-month. Second picking was active in the Delta during the second half of the month, while growers in Arizona, New Mexico, Oklahoma, and Texas continued with the first picking.

The passage of several storm fronts during December replenished supplies of soil moisture in most parts of the Nation, but delayed the completion of late-season harvests. Corn harvest was slowed by snow and mud in Iowa during early December, while weather conditions permitted the harvest of late fields in New York and the Pacific Northwest. Efforts to harvest remaining corn in Iowa were persistently hampered by storms during the month, and it was feared that some fields might remain unharvested until spring. By the end of the month, however, weather conditions improved and harvest was virtually completed. Soybean harvest was nearly completed in the Atlantic and Gulf Coast States in early December and predominately dry weather along the Atlantic Coast allowed

the completion of harvest before the holidays. Rains, meanwhile, delayed the completion of harvest in Texas and the Delta. By the end of the month, a few fields along Texas' Upper Coast and High Plains remained unharvested. Early in December, cotton harvest was progressing rapidly, as mostly dry weather prevailed from California through western Oklahoma. Harvest was also active, though well along, in the Southeast. Rain showers halted activities during the second week of the month in Texas and Oklahoma, and frequent rains through the end of the month hampered efforts to complete picking. Harvest was completed under more favorable conditions in the Southeast and Southwest, and stalk shredding and plowing for the control of boll worm was completed. Some Texas and Oklahoma fields remained too wet for harvest at the end of the month, and excess moisture was lowering yields and quality in unharvested fields. Sorghum harvest was completed during the first half of the month, as progress advanced rapidly in New Mexico and the Texas High Plains.

### 1991 Weather Review

A mild winter, warm spring, and hot summer contributed to an unusually warm year, though wintry weather struck in late October and early November. Temperatures averaged across the contiguous United States were much above normal, ranking 1991 as the 13th warmest year on record. As in 1990, nearly every part of the country had above normal temperatures, with many central and eastern locations as much as 3 or 4° F above normal. A month-by-month look at temperatures shows the prevalent warmth, though February and May were especially noteworthy. Only November had outstanding cold. Most of the country measured above-normal precipitation, though a dry summer contributed to a below-normal year in the Ohio Valley. Storms in March and December eased California's long drought. As a result, much of southern California ended the year with above-normal precipitation. Annual rainfall totals were impressively large in the lower Mississippi Valley, exceeding 100 inches at New Orleans. Much of the country was wet in the spring and in November and December, with Texas flooding the legacy of that State's wettest December ever.

**Winter (December 1990 - February 1991):** Despite the severe western freeze of late December 1990, which damaged California citrus crops and Washington's wheat crop, this was a mild winter, especially east of the Mississippi. Portions of the central Plains winter wheat region, including much of Kansas and Nebraska, became very dry. California suffered through an extremely dry winter until the final two days of February. Statewide precipitation from October through January was one-fourth of normal, causing hundreds of lakes and reservoirs to reach record low levels. Stormy, wet weather prevailed from Texas northeastward through the Ohio Valley.

**Spring (March - May):** "Warm, wet, and wild" could summarize the spring of 1991. All of the country east of the Continental Divide had above-normal temperatures, with New York City already reaching 90° F on April 8, the earliest such reading ever. During a late May heat

wave, Baltimore hit 96° F. More than three dozen cities, mainly from Wisconsin to the mid-Atlantic coast, set records for their hottest May average temperatures.

Spring precipitation exceeded normal over most of the country, west Texas being one of the few exceptions. California's "March miracle" rains caused most of the State to record spring totals from 150 to more than 200 percent of normal. Thunderstorms in April and May ended winter dryness in much of the Plains hard red winter wheat region, but excessive wetness hurt soft red wheat east of the Mississippi. In the East North Central region of the country, which includes Iowa, farmers' fields often turned into ponds. Spring rainfall totals of 12 to 20 inches were the highest in more than 90 years. Incessant rains in the lower Mississippi Valley also wreaked havoc with spring planting. Rainfall in northern Louisiana and northern Mississippi exceeded 35 inches.

Severe weather was widespread this season, with a preliminary spring tornado count of more than 800, which is well over twice the average. One day alone-- April 9--over 400 locations from the South to the Northeast reported large hail or wind damage. On April 26, up to 100 tornadoes took over two dozen lives and caused widespread property damage from Texas to Iowa. Most of the fatalities came from the storms which struck near Wichita, Kansas.

**Summer (June - August):** Hot, dry weather from the Corn Belt to the mid-Atlantic region shrunk crop yields and dried pastures, though showers were frequent enough to prevent national yields from falling to levels comparable to those of such drought years as 1988 or 1983. The U.S. corn crop's yield of 108.9 bushels per acre was down 8 percent from the year before. Soybean yields of 33.5 bushels per acre were down just 2 percent. Wheat took the biggest hit of the three major U.S. crops, dropping 13 percent to 34.3 bushels per acre. The freeze in Washington, late winter and early spring dryness in the southern Plains, and wetness in eastern winter wheat areas and the northern spring wheat areas all took their toll.

Summer rainfall totaled under 50 percent of normal from southeast Iowa eastward to northwest Ohio. In Illinois, Moline's total of 3.79 inches was 29 percent of normal and the lowest June-August rainfall since 1886. Heavy rains again pounded the South, as New Orleans' year-to-date total exceeded 92 inches by the end of August. This was a new annual record even though the year was only two-thirds complete.

Heat waves affected much of the country. The average summer temperature of 77.8° F in Philadelphia, PA, was the highest on record. Washington, DC, suffered through 26 days of 95 degree heat from May-August, the hottest such period in over a century.

Hurricane Bob brought 100mph gusts to eastern Long Island on the afternoon of August 19. Hurtling northward, the storm caused major property damage for eastern New England and contributed to a number of rainfall records in Maine.

**Autumn (September - November):** The country was wet in the interior and dry along both coasts, with temperatures below normal in the Plains States. However, the numbers fail to do justice to a

season with numerous episodes of dramatic weather.

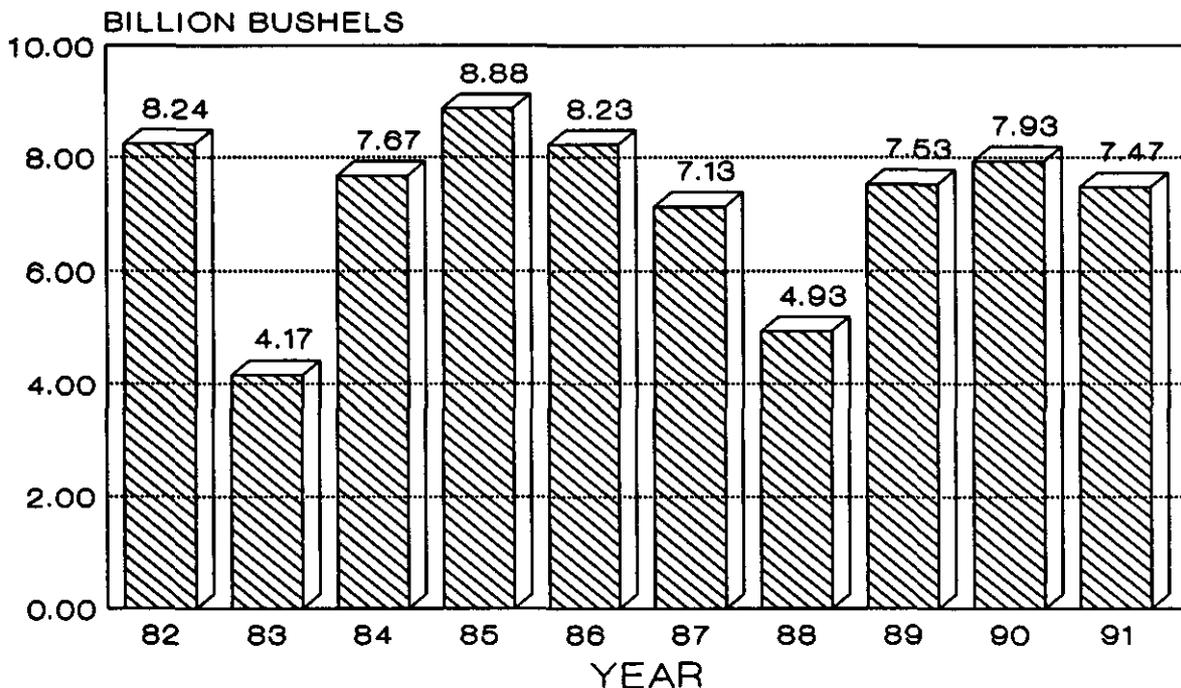
A late heat wave scorched the East during the middle of September, but a sudden shot of cold air swooped down from the Canadian prairies, bringing freezing temperatures to the western Corn Belt. Crops were sufficiently developed that only late-maturing soybeans were damaged. In October, worsening dryness in the central Appalachians and the Pacific States contributed to wildfires while dryness in Kansas hurt the new winter wheat crop.

As a result of a reversal in the weather pattern, the jet stream delivered unprecedented cold to much of the country from October 28 to November 11. The northern Plains felt the brunt of the wintry weather, with high winds, subzero temperatures, and heavy snow. The 28 inches of snow falling from October 31-November 2 set the all-time record for snow from a single storm at Minneapolis-St. Paul. By November 4, the severe cold stretched southward to the Gulf coast and eastward to Ohio, setting over 100 minimum temperature records on that day alone. By November 11, over 640 daily record lows were set or tied throughout the eastern three-quarters of the country.

While the arctic outbreak was giving the midwest a strong dose of winter, a major Atlantic storm battered the east coast from North Carolina to Maine on October 29-November 1. Storm force winds and extremely high tides brought more damage to some areas than Hurricane Bob. Another coastal storm caused additional damage on November 9.

**Corn:** The 1991 corn for grain production was estimated at 7.47 billion bushels, 6 percent below the 1990 crop. The U.S. production was

## U.S. CORN PRODUCTION



virtually the same as the November 1 forecast. The U.S. yield was 108.6 bushels per acre, down 9.9 bushels from last year. Planted acreage at

76.0 million acres was up 2 percent from the 1990 acreage of 74.2 million acres. The area harvested for grain was estimated at 68.8 million acres, up 3 percent from 1990.

Corn silage production was estimated at 80.5 million tons, 7 percent below 1990. Yield was estimated at 13.2 tons, down 1 ton from a year earlier. Area cut for silage at 6.10 million acres was down slightly from last year. Corn planting was slowed by rains early in the season, but by June 2, planting progress was 92 percent complete in the 17 major producing States, 5 points ahead of last year, but 3 points behind the historic average. Dry weather became a concern for Corn Belt growers during June as an expansive region from Kansas to Pennsylvania received less than half of its normal rainfall. The crop developed ahead of normal during most of the growing season, but some fields in the eastern Corn Belt were stressed by drought conditions. The corn crop was aided by good maturing and harvesting weather during the fall months. By the first of November, 93 percent of the corn crop in the 17 major States had been harvested.

**Sorghum:** The 1991 sorghum for grain production was estimated at 579 million bushels, up fractionally from the November 1 forecast and up 1 percent from the revised 1990 production. Area for grain harvest was 9.82 million acres, up 8 percent from 1990. Average yield was 59.0 bushels per acre, down 0.4 bushel from November 1 and down 4.1 bushels from 1990.

Sorghum silage production was 4.81 million tons, off 11 percent from 1990. This is the lowest silage production since 1952. Acres cut for silage totaled 483,000, down 8 percent from last year. The average yield was 10.0 tons per acre, off 0.2 ton from 1990.

Average yields in most producing States declined or were unchanged from the November forecast. The declines ranged from 2 to 8 bushels per acre. However, average yields were up 5 to 6 bushels per acre in Alabama, Georgia, and Illinois. Kansas and Nebraska averaged a bushel higher than the November 1 forecast.

**Oats:** Production of oats in 1991 was estimated at 243 million bushels, 32 percent below the 1990 crop and the lowest production since 1988. Yield per acre for grain averaged 50.6 bushels, down 9.5 bushels from last year. Area harvested for grain, at 4.80 million acres, was down 19 percent from last year, and was the smallest harvested acreage since estimates were first made in 1866. Seeded area totaled 8.65 million acres, down 17 percent from 1990.

Oat production declined 7 percent from the August 1 forecast. Less than expected acreage for harvest in most States, as well as a 1.6 bushel decline in yields, caused the lower production.

**Barley:** Barley production in 1991 was estimated at 464 million bushels, 10 percent above last year's crop of 422 million bushels. Average yield per acre, at 55.2 bushels, was down 0.9 bushel from the 1990 yield. The area harvested for grain was estimated at 8.41 million acres, 12 percent more

than last year. Seeded area totaled 8.94 million acres, up 9 percent from 1990.

A decline in Montana's harvested acreage was the major reason for the decrease from the September 1 production estimate.

**All Wheat:** All wheat production for 1991 was estimated at 1.98 billion bushels, off 2 percent from September 1 and down 28 percent from 1990. Yields averaged 34.3 bushels per acre, down 0.3 and 5.2 bushels per acre from September 1 and last year, respectively. Area harvested for grain was 57.7 million acres, down 17 percent from 1990.

**Winter Wheat:** Production of winter wheat for 1991 was estimated at 1.37 billion bushels, up slightly from the August forecast but down 32 percent from 1990. This was the smallest production estimate since 1978. The U.S. average yield was 34.8 bushels per acre, up 0.1 bushel from August 1 but 5.9 bushels per acre less than last year. Harvested area was estimated at 39.4 million acres, down fractionally from August 1 and down 21 percent from 1990.

Final harvest of the 1991 crop was essentially completed by September 22. With few exceptions, State average yields were down from 1990, especially in the major Soft Red Winter Wheat States where diseases fostered by wet conditions drastically reduced the crop.

**Durum Wheat:** Production of durum wheat in 1991 totaled 104 million bushels, down 9 percent from September 1 and 15 percent less than in 1990. The average yield was estimated at 32.5 bushels per acre, down 1.9 bushels per acre from the September 1 forecast and down 2.4 bushels per acre from last season. Harvested area was 3.20 million acres, down 9 percent from last year.

North Dakota's harvest was completed in early September, nearly a week ahead of average. Dry conditions from late July through August hurt yield potential.

**Other Spring Wheat:** Other spring wheat production in 1991 was estimated at 505 million bushels, 4 percent less than the September 1 forecast and down 13 percent from 1990's record high production level. Yield decreases in the major producing States since September 1, along with acreage reductions in Minnesota, Montana, and North Dakota, caused most of the production decline. The U.S. average yield was 33.4 bushels per acre, 1.1 bushels less than the last forecast and 3.3 bushels per acre less than last year.

Hail damage in Montana's major producing area led to an acreage decline; the yield estimate is a new record high average. Open weather through August allowed North Dakota's harvest to be finished by September 1. South Dakota's harvest was completed on schedule, despite wet harvest conditions in the northeast which caused lower yields and poor quality wheat.

**Rice:** Production totaled 154 million cwt during 1991, 1 percent below the 1990 total and 3 percent below the November 1991 forecast. Area harvested, at 2.75 million acres, was off 3 percent from 1990, as reductions in California, Louisiana, Mississippi, and Texas more than offset increased acreage in Arkansas and Missouri. Average yield of all rice for the Nation was 5,617 pounds per acre, 88 pounds above the 1990 average but 132 pounds below the record high yield of 1989.

Buoyed by higher yields in Arkansas, Louisiana, and Missouri, long grain production, at 109 million cwt, exceeded last year's total by 1 percent. Medium grain production, at 44.6 million cwt, was down 6 percent and short grain production, at 820 thousand cwt, was off 14 percent.

Early-season crop development was notably later than normal in California due to cool weather. In Mississippi, seedings were delayed by excessive rain, but good late-season weather allowed the crops in both States to mature on schedule and harvest to progress unhindered. Growers in southern Louisiana and along Texas' Upper Coast benefitted from good second crops of rice.

**Rye:** The 1991 rye production was estimated at 9.76 million bushels, down 4 percent from last year. This was the lowest production on record. The U.S. average yield was 24.6 bushels per acre, down 2.5 bushels per acre from 1990 and equals 1980's average yield as the lowest since 1977. Area harvested was 396,000 acres, up 6 percent from the previous year. Planted acres were estimated to total 1.67 million, up 3 percent from a year ago.

**Flaxseed:** Production was estimated at 6.10 million bushels Nationally in 1991. U.S. estimates are not available for prior years. In the three estimating States published separately (Minnesota, North Dakota, and South Dakota), production totaled 5.98 million bushels, 57 percent above 1990. The U.S. yield in 1991 averaged 18.1 bushels per acre. The three-State average yield was also 18.1 bushels per acre, up 3.0 bushels from the previous year and the highest of record.

Planted acreage for the U.S. totaled 351,000 acres in 1991. Harvested area was estimated at 337,000 acres.

Excellent growing conditions in the major States produced a better than average crop in 1991.

**Peanuts:** Production of peanuts in 1991 totaled a record high 4.94 billion pounds, 37 percent more than the 1990 crop and exceeded the previous record crop of 4.41 billion pounds set in 1984 by 12 percent. Planted and harvested area at 2.04 and 2.01 million acres, respectively, were both up 11 percent from 1990 and were the largest planted and harvested acreages since 1951. Yields averaged 2,463 pounds per harvested acre, up 472 pounds from 1990.

Production in the Southeastern States (Alabama, Florida, Georgia, and South Carolina) totaled 3.20 billion pounds, up 60 percent from the 1990 drought-stricken crop. The average yield for the 4-State area was 2,477 pounds per

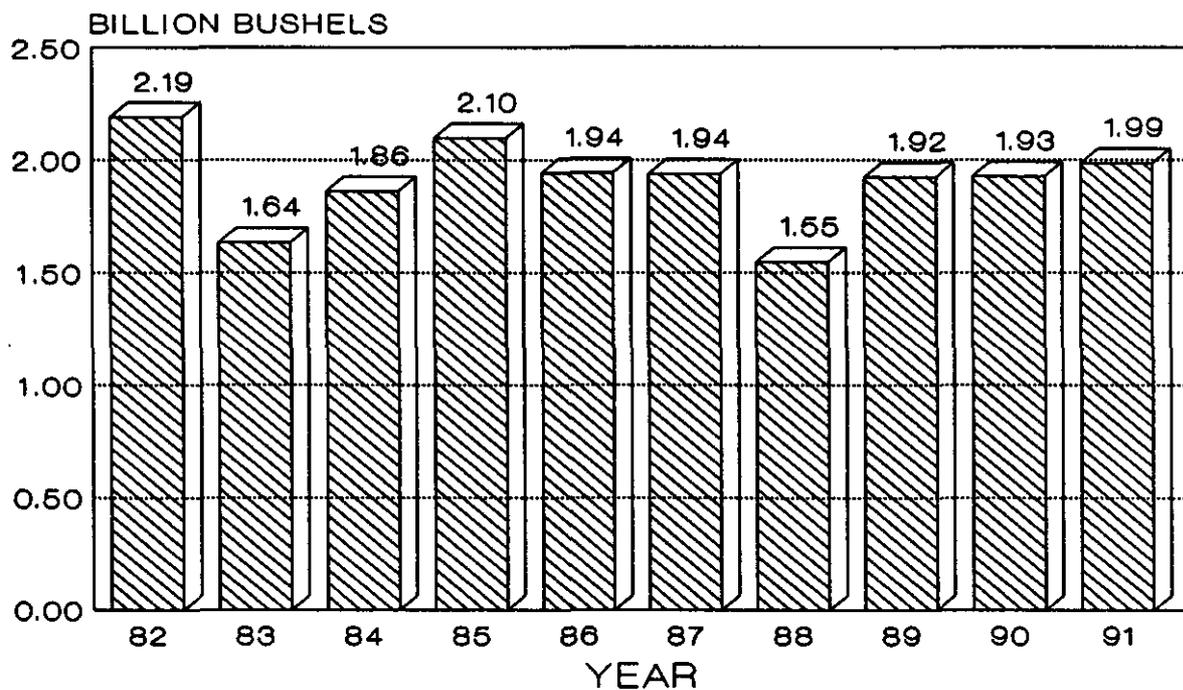
acre, 715 pounds more than 1990. Despite excessive moisture early in the season, many areas experienced favorable conditions throughout most of the growing season. High soil moisture levels led to concerns about disease and soil compaction problems but timely drying near harvest tended to offset those conditions. Record high production levels were posted in Alabama, Florida, and Georgia.

Production from the Virginia-North Carolina area totaled 781 million pounds, down 1 percent from the previous year. Yield per harvested acre, at 2,994 pounds, was 16 pounds below the 1990 yield. Late season growing conditions in Virginia were near ideal, pushing the average yield to a record high 3,200 pounds per acre, 5 pounds above 1990.

The Southwest crop production (New Mexico, Oklahoma, and Texas) totaled 962 million pounds, up 17 percent from 1990. Yields averaged 2,116 pounds per acre, 140 pounds above the previous year. The Texas crop was harvested from the largest acreage since 1955 with a record high yield of 2,050 pounds per acre resulting in a record high production.

**Soybeans:** Production totaled 1.99 billion bushels in 1991, up 3 percent from 1990 and 1 percent above the November 1 forecast. Yield per acre averaged a record high 34.3 bushels in 1991, 0.2 bushel above the previous record high set in 1990 and in 1985.

## U.S. SOYBEAN PRODUCTION



Planted acreage totaled 59.1 million acres, 2 percent above 1990 plantings but 1 percent below the mid-year acreage estimate. Most of the decrease from the earlier 1991 level resulted from planting intentions that were not realized in Alabama, Georgia, Iowa, Ohio, South Dakota, Texas, and particularly Louisiana. Harvested area totaled 58.0 million acres, 3 percent above 1990.

The 1991 soybean crop year was extremely variable, from planting through the critical months of summer when pods were setting and filling. The eastern Corn Belt was equal to or ahead of normal planting progress by mid-May. However, Iowa, Minnesota, and virtually all of the southern soybean States were lagging normal planting progress from start to finish. By June 1, as much as one-third of the U.S. acreage was left to be planted and more than half in many southern States. Louisiana had a tremendous problem getting soybeans planted and ended up not planting over 400,000 acres.

Later in the summer, record pod numbers were developing in the Midwest. However, dry conditions in June and July contributed to grower pessimism regarding yield potential. Furthermore, the Iowa and Minnesota soybean crops were two to three weeks behind normal development and threatened by the potential of an early frost. The final outcome resulted from an unusually high number of pods filling, promoted by timely August precipitation. For the second year in a row, growers were pleased, if not surprised with harvested yields.

**All Cotton:** The 1991 all cotton production was estimated at 17.5 million bales, up 13 percent from last year. This production was the largest since 1937 and the third largest on record. Of the total, Upland accounted for 17.1 million bales, while Pima production totaled 399,000 bales. Total area for harvest, at 12.8 million acres, was up 9 percent from 1990. Yields averaged 656 pounds per acre, up 22 pounds from last year.

Upland cotton production in Texas and Oklahoma was forecast at 5.00 million bales, down 10 percent from last month and down 6 percent from 1990. In Texas, cotton harvest was 94 percent complete in early January, 1 percent ahead of normal. A late October freeze in Texas caused more damage than expected earlier, decreasing yield potential and forcing producers to abandon acreage. Rainfall during December prevented harvest completion and slowed movement of cotton modules to gins.

The Delta States (Arkansas, Louisiana, Mississippi, Missouri, and Tennessee) produced 6.33 million bales, 29 percent greater than 1990. Although the spring was extremely wet and plantings were later than normal, the crop's development proceeded rapidly and yields in this region were 766 pounds per acre, 94 pounds above 1990 yields. Harvest was virtually complete in mid-December. Louisiana expected a record high production and Mississippi expected a record high yield and the largest production since 1948.

Production in the Western States (Arizona, California, and New Mexico) totaled 3.47 million bales, down 5 percent from 1990. Yields in this region averaged 1,202 pounds per acre, 37 pounds above the 1990 yield.

The forecast in the Southeastern States (Alabama, Georgia, North Carolina, and South Carolina) was 2.25 million bales, 89 percent above 1990. Yield per

harvested acre in this region was 717 pounds per acre, up from the 527 pounds realized from last year's drought affected crop.

**Cottonseed:** Production for 1991, based on a 3-year average lint-seed ratio, totaled 6.76 million tons, up 13 percent from the 1990 production of 5.97 million tons.

**Sunflower:** U.S. production totaled 3.61 billion pounds in 1991. This was the first year that the crop was estimated at the National level. Furthermore, Colorado and Nebraska estimates were published separately for the first time. For the five States that estimated 1990 production (Kansas, Minnesota, North Dakota, South Dakota, and Texas), production in 1991 totaled 3.45 billion pounds, up 52 percent from 1990. The average U.S. yield was 1,352 pounds per acre. The five-State average yield in 1991 was 1,371 pounds per acre, the second highest of record and compares with 1,229 pounds per acre in 1990.

Planted area for the U.S. totaled 2.74 million acres. Area harvested was estimated at 2.67 million acres.

Favorable moisture conditions during the 1991 planting period established excellent stands in North Dakota. Continued good weather during crop development and harvest promoted above average yields.

**All Hay:** Production of all hay was estimated at 153 million tons, 5 percent more than both last year and 1989. The larger production from a year ago came from a combination of higher yields and increased acreage. The average yield of 2.45 tons per acre compared with 2.39 tons per acre a year ago and the 2.30 ton average recorded two years ago. The area harvested totaled 62.6 million acres, up 2 percent from 1990 but down 1 percent from 1989.

**Alfalfa and Alfalfa Mixtures:** U.S. alfalfa hay production totaled 83.8 million tons in 1991, fractionally above 1990 and 8 percent greater than two years ago. Compared with a year earlier, slightly lower yields offset a small increase in area harvested. Growers cut an average of 3.28 tons per acre compared with 3.29 tons last year and 2.98 tons in 1989. The total area cut for hay, at 25.6 million acres, compared with 25.4 in 1990 and 25.9 in 1989.

**All Other Hay:** All other hay production reached 69.7 million tons in 1991. This was 10 percent more than a year earlier and 2 percent above 1989. Yield per acre averaged 1.88 tons, up 0.12 ton from last year and up 0.06 ton from two years ago. Area harvested in 1991 was up 3 percent from the previous year but down 1 percent from two years earlier.

**Dry Edible Beans:** Production of dry edible beans was estimated at 33.0 million cwt for 1991, up 2 percent from a year

earlier and 39 percent above two years ago. The 1991 crop was 1 percent above the previous record high production set in 1981. Area for harvest was estimated at 1.86 million acres, down 11 percent from 1990 but 13 percent above 1989. The average yield was a record high at 1,770 pounds per acre, up 217 pounds from last year and 333 pounds above two years ago. Bumper crops were harvested in the North Central States where Minnesota and North Dakota produced their largest crops on record. Record high yields were realized in Michigan, Minnesota, Idaho, Colorado, and California. Most other States also came out with better yields than last year. New York, on the other hand, was hurt by drought, cutting their yields by more than 400 pounds per acre. Yields were also off slightly in Nebraska's Panhandle, Wyoming, and Kansas.

Navy bean production gained 20 percent from a year earlier because of record yields in Michigan and North Dakota, and was 77 percent more than in 1989. Both lima bean classes achieved record yields in 1991. Production of baby limas jumped 71 percent, while large lima beans gained 29 percent. Gains were also registered in small red, small white, cranberry, dark red kidney, and blackeye. Great northern bean output diminished 9 percent from last year, but was 21 percent above the poor 1989 crop. Pinto bean production was just short of last year, but outproduced the 1989 crop by 44 percent. Light red kidney beans dropped 19 percent from 1990. Pink beans were off nearly a third, while black turtle soup beans dropped 40 percent.

**Lentils:** Production of lentils in 1991 was estimated at 1.67 million cwt, nearly double last year's crop and 44 percent above 1989. Harvested area of 121,000 acres was up 16 percent. The average yield per acre of 1,381 pounds gained 540 pounds from last year's poor crop and was 119 pounds above two years ago.

**Dry Edible Peas:** Growers in Idaho and Washington produced 3.72 million cwt of dry peas in 1991, up 57 percent from last year but 4 percent below two years ago. Area harvested at 187,000 acres was up 18 percent from 1990. The average yield was 1,987 pounds per acre, up 495 pounds from 1990 but 245 pounds below 1989.

**Austrian Winter Peas:** Output of Austrian winter peas was estimated at 139,000 cwt in 1991, a gain of 9 percent from a year earlier but 16 percent below 1989. Harvest came from 11,500 acres, the same as last year but up 13 percent from 1989. The average yield, at 1,209 pounds per acre, was 105 pounds above a year ago.

**Wrinkled Seed Peas:** Production of wrinkled seed peas in 1991 totaled 925,000 cwt, up slightly from 1990 but 26 percent below 1989.

**All Potatoes:** Total 1991 potato production in the U.S. was estimated at a record high 418 million cwt, 4 percent above last year and 13 percent above 1989. Harvested area, at 1.38 million acres, was up less than 1 percent from last year. Average yields at 304 cwt per acre jumped 11 cwt from a year ago.

**Winter Potatoes:** Growers in California and Florida produced 2.61 million cwt of winter potatoes in 1991, up 11 percent from 1990 but 6 percent below 1989. Harvested area, at 12,200 acres, was down 8 percent from 1990. The average yield of 214 cwt per acre was up 37 cwt from last year.

**Spring Potatoes:** Production of spring potatoes was finalized at 20.6 million cwt in 1991, down 15 percent from a year earlier and 1 percent below two years ago. Harvested area was estimated at 87,500 acres, down 8 percent, while the average yield of 236 cwt per acre was down 18 cwt from a year earlier.

**Summer Potatoes:** Growers produced 23.0 million cwt of summer potatoes in 1991, down 1 percent from a year earlier but 4 percent more than were produced in 1989. Harvested area, at 97,800 acres was up 2 percent, while the average yield of 235 cwt per acre was down 5 cwt from a year ago.

**Fall Potatoes:** Production of fall potatoes for 1991 was estimated at 372 million cwt, up 6 percent from last year and 15 percent above 1989. Area harvested, at 1.18 million acres, was up 1 percent from 1990 and 8 percent above two years ago. The average yield was 316 cwt per acre, up 14 cwt from a year earlier and 17 cwt above two years ago. Acreage, yield and production this year were the highest on record.

Five Eastern States produced 29.4 million cwt of fall potatoes in 1991, down 15 percent from last year and 14 percent below 1989. Hot, dry weather during much of the growing season over the whole region hurt potato growth. Area for harvest was estimated at 132,800 acres, up 2 percent from a year ago, while the average yield of 222 cwt per acre fell 44 cwt. The Maine crop was 11 percent smaller than a year ago, New York dropped 12 percent, and Pennsylvania decreased 35 percent.

Eight Central States produced an estimated 85.9 million cwt of potatoes this year, up 21 percent from last year and 29 percent above 1989. Harvested acreage was 353,700 acres, a gain of 4 percent from last year and 7 percent above 1989. The average yield of 243 cwt per acre jumped 39 cwt and was the highest ever for the region. Production in North Dakota and Minnesota was up 80 and 20 percent, respectively, with offsetting adjustments since the November 1 forecast. Wisconsin production was up 1 percent from last year because of higher acreage. The Michigan potato crop was 4 percent smaller than last year because of summer heat but harvest went smoothly. The Nebraska crop was down 13 percent and the Ohio potato crop dropped 25 percent. South Dakota's yield was up from a year ago but sharply lower acreage turned out a 10 percent smaller crop.

Western States potato production was estimated at 257 million cwt in 1991, up 4 percent from last year and 15 percent above two years ago. Acreage harvested at 691,400 acres was down slightly but the average yield of 371 cwt per acre was 17 cwt per acre above 1990. Idaho production of 122 million cwt was up 3 percent from last year under good summer and fall growing conditions. Strong late yields in Washington pushed production up to 75.4 million cwt,

11 percent above last year. Colorado production was up 5 percent, Nevada gained 9 percent and Montana was up 12 percent from a year ago. The Oregon crop was 5 percent smaller; while California, Utah, and Wyoming each produced fewer potatoes than a year ago.

**Sweetpotatoes:** Production of sweetpotatoes was estimated at 11.5 million cwt for 1991, down 9 percent from a year earlier but 1 percent above 1989. Growers harvested 77,500 acres this year, a decline of 13 percent from a year ago and 10 percent below 1989. The average yield was a record high 148 cwt per acre, up 7 cwt from the previous crop and 16 cwt above two years ago.

**Tobacco:** U.S. tobacco production totaled 1.66 billion pounds, 2 percent above 1990 and up 21 percent from the 1989 crop. Growers harvested 761,080 acres in 1991, 4 percent more than a year earlier and 12 percent greater than the area harvested two years ago. Yield per acre averaged 2,181 pounds per acre, compared with 2,218 last year and 2,016 in 1989.

Flue-cured production was estimated at 912 million pounds, 3 percent less than a year ago but up 13 percent from 1989. Compared with last year, lower acreage was only partly offset by a slight increase in yield per acre. Yield per acre, at 2,265 pounds was up 12 pounds from last year's average and 196 pounds above 1989. Area harvested was down 3 percent from a year ago but up 3 percent from 1989.

Dark fire-cured output at 32.8 million pounds was 6 percent short of the previous year. Increased acreage was more than offset by reduced yields. Harvested area, at 16,000 acres, was up 4 percent from last year. The average yield per acre of 2,050 pounds was down 215 pounds from 1990.

Burley production totaled to 655 million pounds this year, 10 percent above a year ago and exceeded the 1989 output by 36 percent. The change from last year reflects an acreage increase which was moderated by lower yields. The 310,400 acres harvested was 14 percent above 1990 and up 27 percent from 1989. This year's yield per acre averaged 2,112 pounds, 93 pounds less than a year ago but up 137 pounds from two years earlier.

Southern Maryland type production, at 17.8 million pounds, was up 9 percent from the previous crop. The 11,200 acres harvested was 5 percent above last year and the average yield per acre of 1,586 pounds exceeded 1990 by 61 pounds.

Production of dark air-cured tobacco at 9.21 million pounds was up 20 percent from a year earlier. The increase resulted from a 28 percent acreage increase but was partly offset by a 128 pound per acre decline in the average yield.

All cigar-type production was estimated at 32.7 million pounds, 8 percent more than in 1990 and 28 percent above the 1989 output. Compared with last year, filler production was 5 percent larger. Binder production was up 15 percent. However, production of wrapper was off 16 percent from a year ago.

**Sugarbeets:** Production of sugarbeets in 1991 was estimated at 27.8 million tons, 1 percent more than produced in 1990. Both acreage and yield were up slightly from last year. Yield per acre averaged 20.1 tons

compared with 20.0 tons the previous year. Area harvested totaled 1.39 million acres compared with 1.38 a year ago.

Minnesota with 6.17 million tons was the leading producing State again this year. Minnesota's production was 15 percent greater than a year earlier as a result of sharply higher yields.

Idaho's output totaled 4.90 million tons, 1 percent more than a year ago. A 5 percent increase in acreage harvested was more than offset by a 0.9 ton per acre lower average yield.

California's output totaled 3.72 million tons, 14 percent less than last year. An 8 percent reduction from last year in acreage along with a 1.8 tons per acre lower yield combined to result in the lower output. The acreage and production drop in California reflected four years of drought, competition from other crops, diseases such as virus yellows and rhizomania, and the suspension of the use of Telone II.

In North Dakota, production was up 28 percent from last year. Acreage was about the same but yields were up sharply.

Michigan's output fell 21 percent as the result of much lower yields.

**Sugarcane:** Production of sugarcane for sugar and seed was estimated at 30.3 million tons. This was 2 percent less than the December 1 forecast but 8 percent above last year's output. The increase from a year ago reflected a return to a more normal production in Louisiana from last year's low level.

The 1991 sugarcane for sugar crop of 29.0 million tons was 10 percent more than 1990. The larger quantity came with an acreage increase being moderated by lower yields. The area harvested totaled 851,400 acres, 17 percent more than a year earlier. Yield per acre averaged 34.1 tons compared with 36.4 last year.

Florida's production of sugarcane for sugar at 14.7 million tons was off 1 percent from 1990. Acreage was up but yield was down from a year ago.

Hawaiian production of sugar was estimated at 5.81 million tons, 11 percent less than last year. The decline was the combined result of reduced acreage and lower yields.

Louisiana sugarcane production for sugar was expected to total 7.38 million tons, up 78 percent from last year and more comparable with the 7.44 million ton crop of 1989. The increase from last year followed a 60 percent increase in acreage harvested for sugar plus an average yield per acre that was 2.4 tons above a year earlier.

Texas output of sugarcane for sugar, at 1.10 million tons, was up 20 percent from last year. Sharply higher yields and a 1 percent acreage increase resulted in the larger output.

**Sugar:** Production of raw sugar from the 1991 sugarcane and sugarbeet crops was estimated at 7.03 million tons raw value, up 1 percent from the 1990 total. The increase reflected an increase in the size of the sugarcane

and sugarbeet crops. However, a lower yield of sugar per ton of beets and cane limited the increase.

Output of beet sugar was expected to total 3.73 million tons raw value, off 3 percent from the quantity produced from the previous beet crop. Output of refined sugar per ton of sugarbeets averaged 251 pounds, 10 pounds less than a year ago.

Raw cane sugar from the mainland crop was estimated at 2.58 million tons, 11 percent more than last year. The increase was largely the result of a more normal output in Louisiana. Hawaii's raw cane sugar output, at 720,000 tons, was off 12 percent from a year earlier. Yield of raw sugar per ton of sugarcane for the entire crop harvested for sugar averaged 227 pounds, down 11 pounds from the previous year.

**Peppermint Oil:** Production of peppermint oil in 1991 was estimated at 6.47 million pounds, down 7 percent from 1990 and 3 percent below 1989. Area harvested totaled 111,700 acres, 9 percent above a year earlier and 10 percent more than two years ago. Acreage was either up or unchanged from a year ago in all five producing States. Lower yields were the cause of the lower production. The yield averaged 58 pounds per acre, compared with 68 pounds last year. Oregon, the leading State, accounted for 47 percent of the total production compared with 48 percent in 1990.

**Spearmint Oil:** Output of spearmint oil totaled 2.93 million pounds, 14 percent more than in 1990 and up 59 percent from 1989. Area harvested totaled 40,700 acres, 21 percent greater than last year and up 54 percent from two years ago. The average yield of 72 pounds per acre was off 4 pounds from the previous year. Washington was again the leading State. It accounted for 58 percent of the total production compared with 65 percent last year.

**Hops:** Production of hops in 1991 totaled 69.2 million pounds, up 22 percent from last year and 17 percent more than 1989. Compared with 1990, harvested acreage increased 12 percent to 39.6 thousand acres, while the average yield increased 145 pounds to 1,748 pounds per acre.

**Coffee:** The 1991-92 Hawaiian coffee crop was estimated at 2.00 million pounds. This season's estimate does not include production on the island of Kauai.

**Taro:** Hawaiian taro production totaled 7.00 million pounds, 21 percent more than the 1990 output. Harvested acreage increased 43 percent to 600 acres. Average yield at 11,700 pounds per acre was down 2,100 pounds from the previous season.

**Ginger Root:** The 1991 Hawaiian ginger root production was estimated at 12.0 million pounds, up 26 percent from the previous season. The increase was the result of a larger harvested acreage as yields were down slightly.

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The next "Annual Crop Summary" report will be released on January 12, 1993, at 3:00 p.m. ET.

Listed below are the commodity specialists in the Crops Branch of the National Agricultural Statistics Service to contact for additional information.

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