



Crop Production

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Corn Production Up 2 Percent from October Forecast Soybean Production Down Less Than 1 Percent Cotton Production Up 1 Percent Orange Production Down 4 Percent

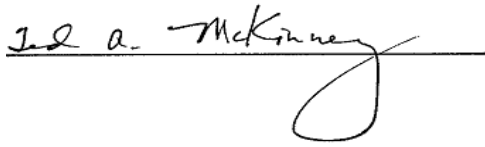
Corn production is forecast at 14.6 billion bushels, down 4 percent from last year but up 2 percent from the October forecast. Based on conditions as of November 1, yields are expected to average 175.4 bushels per acre, up 3.6 bushels from the October forecast and up 0.8 bushel from 2016. If realized, this will be the highest yield on record for the United States. Area harvested for grain is forecast at 83.1 million acres, unchanged from the previous estimate but down 4 percent from 2016.

Soybean production is forecast at a record 4.43 billion bushels, down less than 1 percent from October but up 3 percent from last year. Based on November 1 conditions, yields are expected to average 49.5 bushels per acre, unchanged from last month but down 2.5 bushels from last year. Area for harvest in the United States is forecast at a record high 89.5 million acres, unchanged from last month.

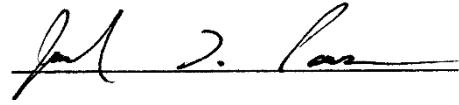
All cotton production is forecast at 21.4 million 480-pound bales, up 1 percent from October and up 25 percent from last year. Yield is expected to average 900 pounds per harvested acre, up 11 pounds from last month and up 33 pounds from last year. If realized, the cotton yield forecast for the Nation will be the highest yield on record. Upland cotton production is forecast at 20.7 million 480-pound bales, up 24 percent from 2016. Pima cotton production, forecast at 727,000 bales, was carried forward from an earlier forecast.

The United States all orange forecast for the 2017-2018 season is 4.16 million tons, down 4 percent from last month and down 19 percent from the 2016-2017 final utilization. The Florida all orange forecast, at 50.0 million boxes (2.25 million tons), is down 7 percent from last month and down 27 percent from last season's final utilization. Early, midseason, and Navel varieties in Florida are forecast at 21.0 million boxes (945,000 tons), down 9 percent from last month and down 36 percent from last season's final utilization. The Florida Valencia orange forecast, at 29.0 million boxes (1.31 million tons), is down 6 percent from last month and down 19 percent from last season's final utilization. California and Texas orange production forecasts were carried forward from the previous month.

This report was approved on November 9, 2017.

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Secretary of Agriculture
Designate
Ted A. McKinney

Handwritten signature of Joseph L. Parsons in black ink, written over a horizontal line.

Agricultural Statistics Board
Chairperson
Joseph L. Parsons

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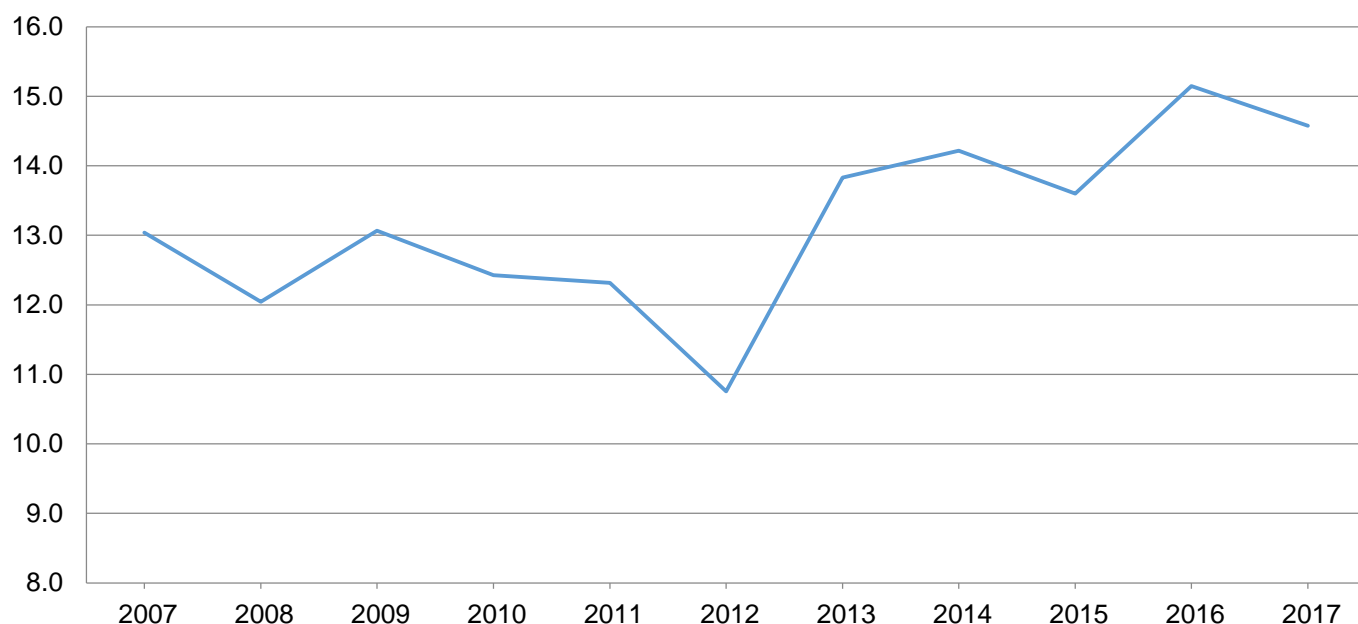
Corn for Grain Area Harvested, Yield, and Production – States and United States: 2016 and Forecasted November 1, 2017

State	Area harvested		Yield per acre			Production	
	2016	2017	2016	2017		2016	2017
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)
Alabama	315	235	120.0	170.0	165.0	37,800	38,775
Arkansas	745	595	171.0	179.0	179.0	127,395	106,505
California	100	100	185.0	184.0	184.0	18,500	18,400
Colorado	1,170	1,270	137.0	145.0	148.0	160,290	187,960
Delaware	164	170	170.0	190.0	186.0	27,880	31,620
Georgia	340	250	165.0	184.0	179.0	56,100	44,750
Idaho	100	100	188.0	210.0	210.0	18,800	21,000
Illinois	11,450	11,050	197.0	192.0	198.0	2,255,650	2,187,900
Indiana	5,470	5,220	173.0	173.0	181.0	946,310	944,820
Iowa	13,500	12,900	203.0	191.0	197.0	2,740,500	2,541,300
Kansas	4,920	5,200	142.0	134.0	136.0	698,640	707,200
Kentucky	1,400	1,240	159.0	174.0	177.0	222,600	219,480
Louisiana	550	490	165.0	183.0	183.0	90,750	89,670
Maryland	400	425	152.0	166.0	174.0	60,800	73,950
Michigan	2,040	1,950	157.0	168.0	167.0	320,280	325,650
Minnesota	8,000	7,650	193.0	184.0	190.0	1,544,000	1,453,500
Mississippi	720	500	166.0	188.0	188.0	119,520	94,000
Missouri	3,500	3,250	163.0	172.0	175.0	570,500	568,750
Nebraska	9,550	9,300	178.0	181.0	179.0	1,699,900	1,664,700
New York	570	530	129.0	147.0	147.0	73,530	77,910
North Carolina	940	830	129.0	138.0	140.0	121,260	116,200
North Dakota	3,270	3,190	158.0	126.0	134.0	516,660	427,460
Ohio	3,300	3,130	159.0	173.0	173.0	524,700	541,490
Oklahoma	350	320	121.0	123.0	130.0	42,350	41,600
Pennsylvania	950	960	129.0	163.0	163.0	122,550	156,480
South Carolina	350	325	127.0	135.0	137.0	44,450	44,525
South Dakota	5,130	5,250	161.0	147.0	150.0	825,930	787,500
Tennessee	830	705	151.0	170.0	171.0	125,330	120,555
Texas	2,550	2,190	127.0	142.0	142.0	323,850	310,980
Virginia	340	340	148.0	152.0	154.0	50,320	52,360
Washington	85	80	235.0	230.0	225.0	19,975	18,000
Wisconsin	3,220	2,950	178.0	164.0	168.0	573,160	495,600
Other States ¹	429	424	157.9	157.8	157.8	67,758	66,912
United States	86,748	83,119	174.6	171.8	175.4	15,148,038	14,577,502

¹ Other States include Arizona, Florida, Montana, New Jersey, New Mexico, Oregon, Utah, West Virginia, and Wyoming. Individual State level estimates will be published in the *Crop Production 2017 Summary*.

Corn Production – United States

Billion bushels



Sorghum for Grain Area Harvested, Yield, and Production – States and United States: 2016 and Forecasted November 1, 2017

State	Area harvested		Yield per acre			Production	
	2016	2017	2016	2017		2016	2017
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)
Arkansas	44	7	73.0	80.0	80.0	3,212	560
Colorado	415	375	50.0	55.0	53.0	20,750	19,875
Kansas	2,950	2,360	91.0	82.0	80.0	268,450	188,800
Louisiana	46	13	102.0	90.0	90.0	4,692	1,170
Mississippi	11	4	89.0	89.0	89.0	979	356
Missouri	54	24	95.0	90.0	83.0	5,130	1,992
Nebraska	175	150	102.0	96.0	96.0	17,850	14,400
Oklahoma	370	280	55.0	45.0	43.0	20,350	12,040
South Dakota	200	225	79.0	65.0	63.0	15,800	14,175
Texas	1,750	1,500	66.0	66.0	64.0	115,500	96,000
Other States ¹	148	111	51.0	49.1	56.4	7,548	6,265
United States	6,163	5,049	77.9	72.2	70.4	480,261	355,633

¹ Other States include Georgia, Illinois, New Mexico, and North Carolina. Individual State level estimates will be published in the *Crop Production 2017 Summary*.

Rice Area Harvested, Yield, and Production – States and United States: 2016 and Forecasted November 1, 2017

State	Area harvested		Yield per acre			Production ¹	
	2016	2017	2016	2017		2016	2017
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)
Arkansas	1,521	1,093	6,920	7,350	7,400	105,314	80,882
California	536	458	8,840	8,600	8,600	47,394	39,388
Louisiana	428	395	6,630	7,000	6,900	28,390	27,255
Mississippi	194	118	7,180	7,200	7,200	13,929	8,496
Missouri	231	160	6,650	7,100	7,400	15,352	11,840
Texas	187	167	7,360	6,800	6,300	13,766	10,521
United States	3,097	2,391	7,237	7,469	7,461	224,145	178,382

¹ Includes sweet rice production.

Rice Production by Class – United States: 2016 and Forecasted November 1, 2017

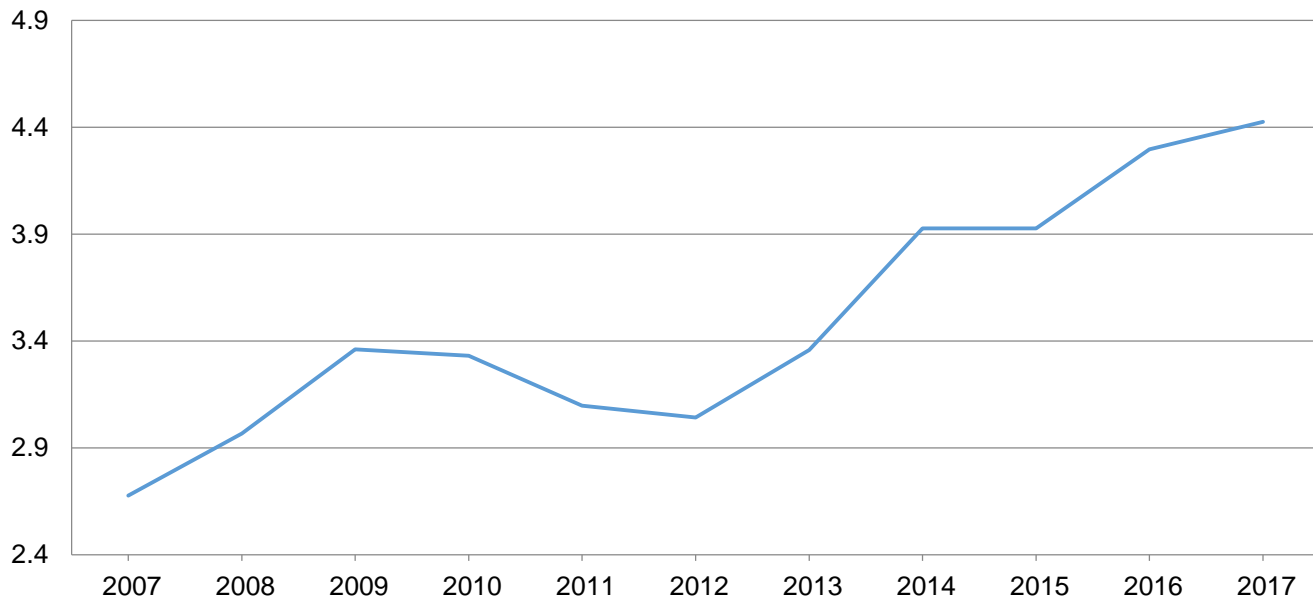
Year	Long grain	Medium grain	Short grain ¹	All
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
2016	166,465	54,533	3,147	224,145
2017 ²	126,142	49,459	2,781	178,382

¹ Sweet rice production included with short grain.

² The 2017 rice production by class forecasts are based on class harvested acreage estimates and the 5-year average class yield compared to the all rice yield.

Soybean Production – United States

Billion bushels



Soybeans for Beans Area Harvested, Yield, and Production – States and United States: 2016 and Forecasted November 1, 2017

State	Area harvested		Yield per acre			Production	
	2016	2017	2016	2017		2016	2017
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)
Alabama	410	340	32.0	44.0	45.0	13,120	15,300
Arkansas	3,100	3,500	47.0	51.0	50.0	145,700	175,000
Delaware	163	158	41.5	51.0	51.0	6,765	8,058
Georgia	240	145	30.0	45.0	40.0	7,200	5,800
Illinois	10,050	10,540	59.0	57.0	58.0	592,950	611,320
Indiana	5,630	5,940	57.5	55.0	55.0	323,725	326,700
Iowa	9,440	9,950	60.0	56.0	56.0	566,400	557,200
Kansas	4,010	5,100	48.0	41.0	40.0	192,480	204,000
Kentucky	1,780	1,940	50.0	53.0	52.0	89,000	100,880
Louisiana	1,190	1,240	48.5	54.0	54.0	57,715	66,960
Maryland	515	495	41.5	50.0	50.0	21,373	24,750
Michigan	2,060	2,280	50.5	49.0	45.0	104,030	102,600
Minnesota	7,490	8,100	52.0	46.0	46.0	389,480	372,600
Mississippi	2,020	2,170	48.0	52.0	52.0	96,960	112,840
Missouri	5,540	5,920	49.0	49.0	49.0	271,460	290,080
Nebraska	5,150	5,650	61.0	56.0	58.0	314,150	327,700
New Jersey	98	98	36.0	40.0	42.0	3,528	4,116
New York	320	265	41.0	49.0	47.0	13,120	12,455
North Carolina	1,660	1,670	35.0	39.0	41.0	58,100	68,470
North Dakota	5,990	7,100	41.5	36.0	35.0	248,585	248,500
Ohio	4,840	5,040	54.5	52.0	51.0	263,780	257,040
Oklahoma	470	630	29.0	27.0	29.0	13,630	18,270
Pennsylvania	575	585	44.0	52.0	50.0	25,300	29,250
South Carolina	405	390	31.0	36.0	37.0	12,555	14,430
South Dakota	5,170	5,610	49.5	45.0	45.0	255,915	252,450
Tennessee	1,630	1,660	45.0	50.0	51.0	73,350	84,660
Texas	145	185	31.0	37.0	38.0	4,495	7,030
Virginia	600	590	36.0	42.0	45.0	21,600	26,550
Wisconsin	1,950	2,140	55.0	47.0	46.0	107,250	98,440
Other States ¹	55	40	43.1	44.7	45.8	2,370	1,830
United States	82,696	89,471	52.0	49.5	49.5	4,296,086	4,425,279

¹ Other States include Florida and West Virginia. Individual State level estimates will be published in the *Crop Production 2017 Summary*.

Peanut Area Harvested, Yield, and Production – States and United States: 2016 and Forecasted November 1, 2017

State	Area harvested		Yield per acre			Production	
	2016	2017	2016	2017		2016	2017
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)
Alabama	172.0	192.0	3,600	4,200	3,900	619,200	748,800
Florida	146.0	183.0	3,800	3,500	3,400	554,800	622,200
Georgia	706.0	830.0	3,900	4,700	4,600	2,753,400	3,818,000
Mississippi	38.0	42.0	4,000	4,500	4,500	152,000	189,000
North Carolina	99.0	118.0	3,530	4,100	4,100	349,470	483,800
Oklahoma	12.0	19.0	3,700	3,400	3,800	44,400	72,200
South Carolina	106.0	120.0	3,200	3,900	3,900	339,200	468,000
Texas	205.0	260.0	2,730	3,700	3,700	559,650	962,000
Virginia	21.0	27.0	3,650	4,300	4,450	76,650	120,150
Other States ¹	31.0	38.0	4,284	4,068	4,068	132,800	154,600
United States	1,536.0	1,829.0	3,634	4,257	4,176	5,581,570	7,638,750

¹ Other States include Arkansas and New Mexico.

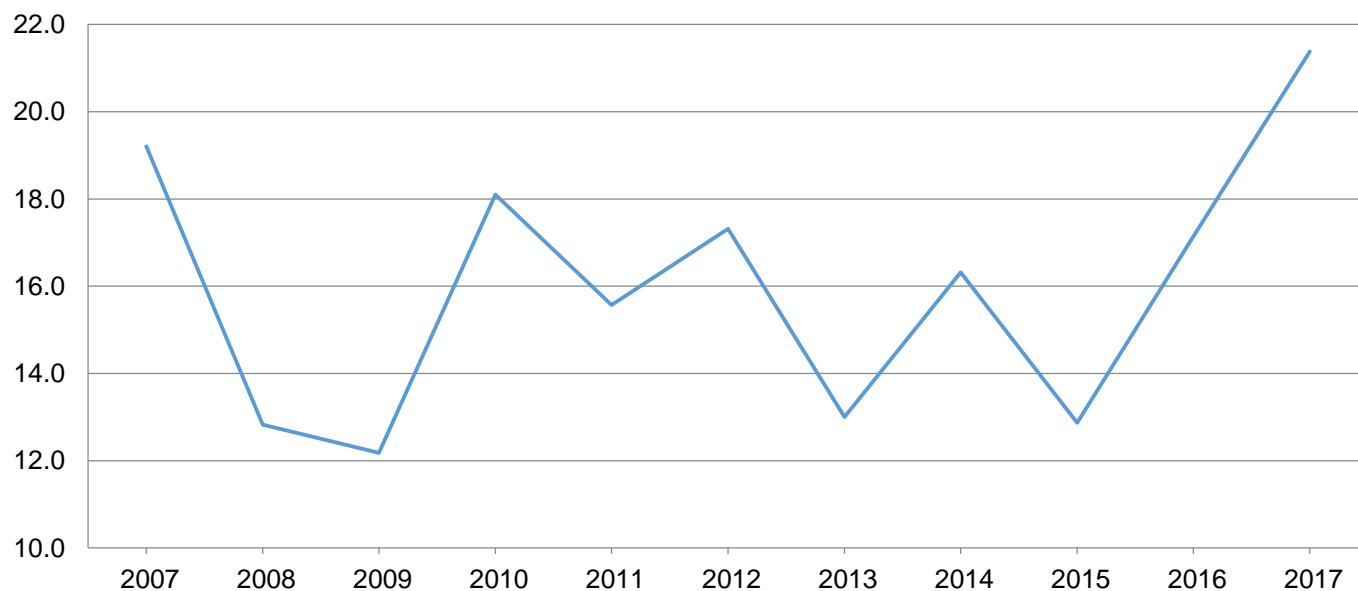
Cottonseed Production – United States: 2016 and Forecasted November 1, 2017

State	Production	
	2016	2017 ¹
	(1,000 tons)	(1,000 tons)
United States	5,369.0	6,758.0

¹ Based on a 3-year average lint-seed ratio.

Cotton Production - United States

Million bales



Cotton Area Harvested, Yield, and Production by Type – States and United States: 2016 and Forecasted November 1, 2017

Type and State	Area harvested		Yield per acre			Production ¹	
	2016	2017	2016	2017		2016	2017
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(pounds)	(pounds)	(pounds)	(1,000 bales) ²	(1,000 bales) ²
Upland							
Alabama	343.0	428.0	988	976	964	706.0	860.0
Arizona	118.0	158.0	1,525	1,574	1,549	375.0	510.0
Arkansas	375.0	438.0	1,075	1,096	1,162	840.0	1,060.0
California	62.0	90.0	1,897	1,760	1,680	245.0	315.0
Florida	102.0	98.0	922	931	931	196.0	190.0
Georgia	1,165.0	1,280.0	898	900	900	2,180.0	2,400.0
Kansas	31.0	91.0	1,099	1,002	976	71.0	185.0
Louisiana	137.0	215.0	939	982	1,005	268.0	450.0
Mississippi	430.0	625.0	1,207	1,152	1,152	1,081.0	1,500.0
Missouri	266.0	297.0	1,021	1,220	1,172	566.0	725.0
New Mexico	41.0	55.0	1,030	916	873	88.0	100.0
North Carolina	255.0	365.0	646	921	967	343.0	735.0
Oklahoma	290.0	555.0	1,021	848	951	617.0	1,100.0
South Carolina	183.0	245.0	656	940	940	250.0	480.0
Tennessee	250.0	340.0	1,104	1,045	1,059	575.0	750.0
Texas	5,200.0	5,800.0	748	745	753	8,100.0	9,100.0
Virginia	72.0	83.0	667	1,099	1,099	100.0	190.0
United States	9,320.0	11,163.0	855	877	888	16,601.0	20,650.0
American Pima ³							
Arizona	11.0	14.5	851	894	894	19.5	27.0
California	154.0	208.0	1,565	1,528	1,528	502.0	662.0
New Mexico	7.8	7.2	886	800	800	14.4	12.0
Texas	15.0	12.5	1,056	998	998	33.0	26.0
United States	187.8	242.2	1,454	1,441	1,441	568.9	727.0
All							
Alabama	343.0	428.0	988	976	964	706.0	860.0
Arizona	129.0	172.5	1,468	1,517	1,494	394.5	537.0
Arkansas	375.0	438.0	1,075	1,096	1,162	840.0	1,060.0
California	216.0	298.0	1,660	1,598	1,574	747.0	977.0
Florida	102.0	98.0	922	931	931	196.0	190.0
Georgia	1,165.0	1,280.0	898	900	900	2,180.0	2,400.0
Kansas	31.0	91.0	1,099	1,002	976	71.0	185.0
Louisiana	137.0	215.0	939	982	1,005	268.0	450.0
Mississippi	430.0	625.0	1,207	1,152	1,152	1,081.0	1,500.0
Missouri	266.0	297.0	1,021	1,220	1,172	566.0	725.0
New Mexico	48.8	62.2	1,007	903	864	102.4	112.0
North Carolina	255.0	365.0	646	921	967	343.0	735.0
Oklahoma	290.0	555.0	1,021	848	951	617.0	1,100.0
South Carolina	183.0	245.0	656	940	940	250.0	480.0
Tennessee	250.0	340.0	1,104	1,045	1,059	575.0	750.0
Texas	5,215.0	5,812.5	749	745	754	8,133.0	9,126.0
Virginia	72.0	83.0	667	1,099	1,099	100.0	190.0
United States	9,507.8	11,405.2	867	889	900	17,169.9	21,377.0

¹ Production ginned and to be ginned.

² 480-pound net weight bale.

³ Estimates for current year carried forward from an earlier forecast.

Sugarbeet Area Harvested, Yield, and Production – States and United States: 2016 and Forecasted November 1, 2017

[Relates to year of intended harvest in all States except California]

State	Area harvested		Yield per acre			Production	
	2016	2017	2016	2017		2016	2017
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)	(1,000 tons)	(1,000 tons)
California ¹	25.0	24.7	44.3	43.5	43.5	1,108	1,074
Colorado	27.6	29.1	33.6	35.4	35.6	927	1,036
Idaho	170.0	166.9	41.4	41.1	39.9	7,038	6,659
Michigan	149.0	143.0	30.8	28.0	27.3	4,589	3,904
Minnesota	417.0	411.0	30.0	29.5	30.9	12,510	12,700
Montana	45.3	42.4	35.0	33.6	32.8	1,586	1,391
Nebraska	47.2	44.6	29.9	32.1	32.3	1,411	1,441
North Dakota	203.0	209.0	30.8	30.6	31.1	6,242	6,500
Oregon	10.2	9.1	42.0	39.9	39.1	428	356
Washington	1.9	1.8	47.9	47.4	47.4	91	85
Wyoming	30.0	31.6	31.7	27.8	28.2	951	891
United States	1,126.2	1,113.2	32.7	32.0	32.4	36,881	36,037

¹ Relates to year of intended harvest for fall planted beets in central California and to year of planting for overwintered beets in central and southern California.

Sugarcane for Sugar and Seed Area Harvested, Yield, and Production – States and United States: 2016 and Forecasted November 1, 2017

State	Area harvested		Yield per acre ¹			Production ¹	
	2016	2017	2016	2017		2016	2017
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)	(1,000 tons)	(1,000 tons)
Florida	417.0	414.0	40.5	42.1	41.2	16,904	17,057
Hawaii ²	15.5	(NA)	86.2	(NA)	(NA)	1,336	(NA)
Louisiana	431.0	440.0	28.8	30.8	30.9	12,413	13,596
Texas	39.6	41.2	37.0	37.3	37.9	1,465	1,561
United States	903.1	895.2	35.6	36.3	36.0	32,118	32,214

(NA) Not available.

¹ Net tons.

² Estimates discontinued in 2017.

Utilized Production of Citrus Fruits by Crop – States and United States: 2016-2017 and Forecasted November 1, 2017

[The crop year begins with the bloom of the first year shown and ends with the completion of harvest the following year.]

Crop and State	Utilized production boxes ¹		Utilized production ton equivalent	
	2016-2017	2017-2018	2016-2017	2017-2018
	(1,000 boxes)	(1,000 boxes)	(1,000 tons)	(1,000 tons)
Oranges				
California, all ²	50,300	46,000	2,012	1,840
Early, mid, and Navel ³	39,300	35,000	1,572	1,400
Valencia	11,000	11,000	440	440
Florida, all	68,750	50,000	3,094	2,250
Early, mid, and Navel ³	33,000	21,000	1,485	945
Valencia	35,750	29,000	1,609	1,305
Texas, all ²	1,370	1,650	58	70
Early, mid, and Navel ³	1,090	1,350	46	57
Valencia	280	300	12	13
United States, all	120,420	97,650	5,164	4,160
Early, mid, and Navel ³	73,390	57,350	3,103	2,402
Valencia	47,030	40,300	2,061	1,758
Grapefruit				
California ²	4,000	4,200	160	168
Florida, all	7,760	4,650	330	198
Red	6,280	3,800	267	162
White	1,480	850	63	36
Texas ²	4,800	5,300	192	212
United States	16,560	14,150	682	578
Tangerines and mandarins ⁴				
California ²	23,900	23,000	956	920
Florida	1,620	950	77	45
United States	25,520	23,950	1,033	965
Lemons ²				
Arizona	1,650	1,600	66	64
California	20,500	21,000	820	840
United States	22,150	22,600	886	904

¹ Net pounds per box: oranges in California-80, Florida-90, Texas-85; grapefruit in California-80, Florida-85, Texas-80; tangerines and mandarins in California-80, Florida-95; lemons-80.

² Estimates for current year carried forward from an earlier forecast.

³ Navel and miscellaneous varieties in California. Early (including Navel) and midseason varieties in Florida and Texas.

⁴ Includes tangelos and tangors.

Fall Potato Area Planted and Harvested, Yield, and Production – States and United States: 2016 and Forecasted November 1, 2017

Seasonal group and State	Area planted		Area harvested		Yield per acre		Production	
	2016 (1,000 acres)	2017 (1,000 acres)	2016 (1,000 acres)	2017 (1,000 acres)	2016 (cwt)	2017 (cwt)	2016 (1,000 cwt)	2017 (1,000 cwt)
Fall								
California	7.9	8.2	7.9	8.2	445	450	3,516	3,690
Colorado	57.3	56.7	57.1	56.4	389	382	22,236	21,527
San Luis Valley	51.6	51.9	51.5	51.7	385	375	19,828	19,388
All other areas	5.7	4.8	5.6	4.7	430	455	2,408	2,139
Idaho	325.0	310.0	324.0	309.0	430	425	139,320	131,325
Maine	47.0	48.0	46.5	47.5	325	320	15,113	15,200
Michigan	47.0	47.5	46.0	46.5	370	400	17,020	18,600
Minnesota	43.0	46.0	42.0	45.5	400	415	16,800	18,883
Montana	11.1	11.1	11.0	11.0	335	340	3,685	3,740
Nebraska	16.5	19.0	16.4	18.9	450	470	7,380	8,883
New York	15.0	14.0	14.8	13.8	240	265	3,552	3,657
North Dakota	80.0	75.0	72.0	74.0	300	340	21,600	25,160
Oregon	39.0	38.0	38.9	37.8	590	550	22,951	20,790
Washington	170.0	165.0	169.0	165.0	625	600	105,625	99,000
Wisconsin	65.0	68.0	64.0	67.0	435	425	27,840	28,475
United States	923.8	906.5	909.6	900.6	447	443	406,638	398,930

¹ Estimates for current year carried forward from an earlier forecast.

Potato Area Planted and Harvested, Yield, and Production – Alaska: 2016-2017

Crop year	Area		Yield per acre (cwt)	Production (1,000 cwt)
	Planted (acres)	Harvested (acres)		
2016	500	490	300	147
2017	450	440	280	123

Crop Area Planted and Harvested, Yield, and Production in Domestic Units – United States: 2016 and 2017

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2017 crop year. Blank data cells indicate estimation period has not yet begun]

Crop	Area planted		Area harvested	
	2016	2017	2016	2017
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Grains and hay				
Barley	3,059	2,481	2,565	1,954
Corn for grain ¹	94,004	90,429	86,748	83,119
Corn for silage	(NA)		6,186	
Hay, all	(NA)	(NA)	53,461	53,518
Alfalfa	(NA)	(NA)	16,885	17,111
All other	(NA)	(NA)	36,576	36,407
Oats	2,829	2,588	981	801
Proso millet	443	550	413	
Rice	3,150	2,487	3,097	2,391
Rye	1,891	1,961	414	286
Sorghum for grain ¹	6,690	5,709	6,163	5,049
Sorghum for silage	(NA)		298	
Wheat, all	50,119	46,012	43,850	37,586
Winter	36,152	32,696	30,237	25,291
Durum	2,412	2,307	2,360	2,136
Other spring	11,555	11,009	11,253	10,159
Oilseeds				
Canola	1,714.0	2,076.0	1,691.7	2,028.0
Cottonseed	(X)	(X)	(X)	(X)
Flaxseed	374	283	367	277
Mustard seed	103.1	76.0	98.2	72.1
Peanuts	1,671.0	1,881.0	1,536.0	1,829.0
Rapeseed	11.0	12.5	10.5	11.7
Safflower	161.1	162.0	154.4	154.8
Soybeans for beans	83,433	90,207	82,696	89,471
Sunflower	1,596.6	1,404.3	1,532.0	1,352.3
Cotton, tobacco, and sugar crops				
Cotton, all	10,072.5	12,618.5	9,507.8	11,405.2
Upland	9,878.0	12,372.0	9,320.0	11,163.0
American Pima	194.5	246.5	187.8	242.2
Sugarbeets	1,163.4	1,138.1	1,126.2	1,113.2
Sugarcane	(NA)	(NA)	903.1	895.2
Tobacco	(NA)	(NA)	319.7	321.3
Dry beans, peas, and lentils				
Austrian winter peas	38.0	29.0	28.0	16.0
Dry edible beans	1,662.0	2,111.5	1,558.6	2,033.0
Chickpeas, all	325.3	603.8	320.0	456.0
Large	211.5	425.6	209.2	296.2
Small	113.8	178.2	110.8	159.8
Dry edible peas	1,382.0	1,153.0	1,329.8	1,111.4
Lentils	933.0	1,109.0	908.0	1,017.0
Wrinkled seed peas	(NA)		(NA)	
Potatoes and miscellaneous				
Hops	(NA)	(NA)	50.9	54.1
Maple syrup	(NA)	(NA)	(NA)	(NA)
Mushrooms	(NA)	(NA)	(NA)	(NA)
Peppermint oil	(NA)		65.3	
Potatoes, all	1,037.0	1,030.5	1,018.3	1,021.2
Spring	51.0	58.0	48.0	57.7
Summer	62.2	66.0	60.7	62.9
Fall	923.8	906.5	909.6	900.6
Spearmint oil	(NA)		24.5	
Sweet potatoes	168.1	151.4	163.3	148.6
Taro (Hawaii)	(NA)		(D)	

See footnote(s) at end of table.

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Crop Area Planted and Harvested, Yield, and Production in Domestic Units – United States: 2016 and 2017 (continued)

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2017 crop year.
Blank data cells indicate estimation period has not yet begun]

Crop	Yield per acre		Production		
	2016	2017	2016 (1,000)	2017 (1,000)	
Grains and hay					
Barley	bushels	77.9	72.6	199,914	141,923
Corn for grain	bushels	174.6	175.4	15,148,038	14,577,502
Corn for silage	tons	20.3		125,670	
Hay, all	tons	2.52	2.46	134,781	131,908
Alfalfa	tons	3.45	3.27	58,263	56,022
All other	tons	2.09	2.08	76,518	75,886
Oats	bushels	66.0	61.7	64,770	49,391
Proso millet	bushels	30.4		12,558	
Rice ²	cwt	7,237	7,461	224,145	178,382
Rye	bushels	32.5	33.9	13,451	9,696
Sorghum for grain	bushels	77.9	70.4	480,261	355,633
Sorghum for silage	tons	14.0		4,171	
Wheat, all	bushels	52.7	46.3	2,308,723	1,740,582
Winter	bushels	55.3	50.2	1,672,582	1,269,437
Durum	bushels	44.0	25.7	103,914	54,909
Other spring	bushels	47.3	41.0	532,227	416,236
Oilseeds					
Canola	pounds	1,824	1,383	3,086,340	2,805,635
Cottonseed	tons	(X)	(X)	5,369.0	6,758.0
Flaxseed	bushels	23.7		8,680	
Mustard seed	pounds	980		96,270	
Peanuts	pounds	3,634	4,176	5,581,570	7,638,750
Rapeseed	pounds	1,840		19,320	
Safflower	pounds	1,425		220,090	
Soybeans for beans	bushels	52.0	49.5	4,296,086	4,425,279
Sunflower	pounds	1,731	1,339	2,651,635	1,810,235
Cotton, tobacco, and sugar crops					
Cotton, all ²	bales	867	900	17,169.9	21,377.0
Upland ²	bales	855	888	16,601.0	20,650.0
American Pima ²	bales	1,454	1,441	568.9	727.0
Sugarbeets	tons	32.7	32.4	36,881	36,037
Sugarcane	tons	35.6	36.0	32,118	32,214
Tobacco	pounds	1,967	2,253	628,720	723,697
Dry beans, peas, and lentils					
Austrian winter peas ²	cwt	1,704	869	477	139
Dry edible beans ²	cwt	1,842	1,737	28,712	35,312
Chickpeas, all ²	cwt	1,702		5,447	
Large ²	cwt	1,677		3,509	
Small ²	cwt	1,749		1,938	
Dry edible peas ²	cwt	2,086	1,383	27,737	15,367
Lentils ²	cwt	1,397	733	12,685	7,457
Wrinkled seed peas	cwt	(NA)		439	
Potatoes and miscellaneous					
Hops	pounds	1,713	1,803	87,139.6	97,587.7
Maple syrup	gallons	(NA)	(NA)	4,207	4,271
Mushrooms	pounds	(NA)	(NA)	943,414	928,605
Peppermint oil	pounds	89		5,800	
Potatoes, all	cwt	433	430	441,411	438,968
Spring	cwt	316	343	15,171	19,790
Summer	cwt	323	322	19,602	20,248
Fall	cwt	447	443	406,638	398,930
Spearmint oil	pounds	131		3,208	
Sweet potatoes	cwt	193		31,546	
Taro (Hawaii)	pounds	(D)		(D)	

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

(NA) Not available.

(X) Not applicable.

¹ Area planted for all purposes.

² Yield in pounds.

Crop Area Planted and Harvested, Yield, and Production in Metric Units – United States: 2016 and 2017

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2017 crop year. Blank data cells indicate estimation period has not yet begun]

Crop	Area planted		Area harvested	
	2016	2017	2016	2017
	(hectares)	(hectares)	(hectares)	(hectares)
Grains and hay				
Barley	1,237,950	1,004,040	1,038,030	790,760
Corn for grain ¹	38,042,480	36,595,710	35,106,050	33,637,430
Corn for silage	(NA)		2,503,410	
Hay, all ²	(NA)	(NA)	21,635,130	21,658,200
Alfalfa	(NA)	(NA)	6,833,190	6,924,650
All other	(NA)	(NA)	14,801,940	14,733,550
Oats	1,144,870	1,047,340	397,000	324,160
Proso millet	179,280	222,580	167,140	
Rice	1,274,770	1,006,460	1,253,320	967,610
Rye	765,270	793,600	167,540	115,740
Sorghum for grain ¹	2,707,380	2,310,380	2,494,100	2,043,280
Sorghum for silage	(NA)		120,600	
Wheat, all ²	20,282,660	18,620,600	17,745,660	15,210,680
Winter	14,630,350	13,231,740	12,236,610	10,235,010
Durum	976,110	933,620	955,070	864,420
Other spring	4,676,190	4,455,230	4,553,980	4,111,250
Oilseeds				
Canola	693,640	840,140	684,610	820,710
Cottonseed	(X)	(X)	(X)	(X)
Flaxseed	151,350	114,530	148,520	112,100
Mustard seed	41,720	30,760	39,740	29,180
Peanuts	676,240	761,220	621,600	740,180
Rapeseed	4,450	5,060	4,250	4,730
Safflower	65,200	65,560	62,480	62,650
Soybeans for beans	33,764,500	36,505,870	33,466,240	36,208,020
Sunflower	646,130	568,310	619,990	547,260
Cotton, tobacco, and sugar crops				
Cotton, all ²	4,076,240	5,106,580	3,847,710	4,615,570
Upland	3,997,530	5,006,820	3,771,710	4,517,550
American Pima	78,710	99,760	76,000	98,020
Sugarbeets	470,820	460,580	455,760	450,500
Sugarcane	(NA)	(NA)	365,480	362,280
Tobacco	(NA)	(NA)	129,360	130,020
Dry beans, peas, and lentils				
Austrian winter peas	15,380	11,740	11,330	6,480
Dry edible beans	672,590	854,500	630,750	822,730
Chickpeas ²	131,650	244,350	129,500	184,540
Large	85,590	172,240	84,660	119,870
Small	46,050	72,120	44,840	64,670
Dry edible peas	559,280	466,610	538,160	449,770
Lentils	377,580	448,800	367,460	411,570
Wrinkled seed peas	(NA)		(NA)	
Potatoes and miscellaneous				
Hops	(NA)	(NA)	20,580	21,910
Maple syrup	(NA)	(NA)	(NA)	(NA)
Mushrooms	(NA)	(NA)	(NA)	(NA)
Peppermint oil	(NA)		26,430	
Potatoes, all ²	419,660	417,030	412,100	413,270
Spring	20,640	23,470	19,430	23,350
Summer	25,170	26,710	24,560	25,460
Fall	373,850	366,850	368,110	364,460
Spearmint oil	(NA)		9,910	
Sweet potatoes	68,030	61,270	66,090	60,140
Taro (Hawaii)	(NA)		(D)	

See footnote(s) at end of table.

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**Crop Area Planted and Harvested, Yield, and Production in Metric Units – United States:
2016 and 2017 (continued)**

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2017 crop year. Blank data cells indicate estimation period has not yet begun]

Crop	Yield per hectare		Production	
	2016	2017	2016	2017
	(metric tons)	(metric tons)	(metric tons)	(metric tons)
Grains and hay				
Barley	4.19	3.91	4,352,610	3,090,010
Corn for grain	10.96	11.01	384,777,890	370,285,610
Corn for silage	45.54		114,005,910	
Hay, all ²	5.65	5.53	122,271,270	119,664,920
Alfalfa	7.74	7.34	52,855,300	50,822,300
All other	4.69	4.67	69,415,960	68,842,620
Oats	2.37	2.21	940,130	716,910
Proso millet	1.70		284,810	
Rice	8.11	8.36	10,167,050	8,091,270
Rye	2.04	2.13	341,670	246,290
Sorghum for grain	4.89	4.42	12,199,190	9,033,490
Sorghum for silage	31.38		3,783,870	
Wheat, all ²	3.54	3.11	62,833,140	47,370,880
Winter	3.72	3.38	45,520,220	34,548,410
Durum	2.96	1.73	2,828,080	1,494,380
Other spring	3.18	2.76	14,484,850	11,328,090
Oilseeds				
Canola	2.04	1.55	1,399,940	1,272,610
Cottonseed	(X)	(X)	4,870,670	6,130,750
Flaxseed	1.48		220,480	
Mustard seed	1.10		43,670	
Peanuts	4.07	4.68	2,531,760	3,464,880
Rapeseed	2.06		8,760	
Safflower	1.60		99,830	
Soybeans for beans	3.49	3.33	116,920,300	120,436,360
Sunflower	1.94	1.50	1,202,760	821,110
Cotton, tobacco, and sugar crops				
Cotton, all ²	0.97	1.01	3,738,310	4,654,290
Upland	0.96	1.00	3,614,440	4,496,010
American Pima	1.63	1.61	123,860	158,290
Sugarbeets	73.41	72.57	33,457,880	32,692,220
Sugarcane	79.72	80.67	29,136,960	29,224,050
Tobacco	2.20	2.52	285,180	328,260
Dry beans, peas, and lentils				
Austrian winter peas	1.91	0.97	21,640	6,300
Dry edible beans	2.06	1.95	1,302,350	1,601,730
Chickpeas, all ²	1.91		247,070	
Large	1.88		159,170	
Small	1.96		87,910	
Dry edible peas	2.34	1.55	1,258,130	697,040
Lentils	1.57	0.82	575,380	338,240
Wrinkled seed peas	(NA)		19,910	
Potatoes and miscellaneous				
Hops	1.92	2.02	39,530	44,270
Maple syrup	(NA)	(NA)	21,040	21,360
Mushrooms	(NA)	(NA)	427,930	421,210
Peppermint oil	0.10		2,630	
Potatoes, all ²	48.59	48.18	20,022,070	19,911,250
Spring	35.43	38.44	688,150	897,660
Summer	36.20	36.08	889,130	918,430
Fall	50.11	49.65	18,444,790	18,095,160
Spearmint oil	0.15		1,460	
Sweet potatoes	21.65		1,430,900	
Taro (Hawaii)	(D)		(D)	

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

(NA) Not available.

(X) Not applicable.

¹ Area planted for all purposes.

² Total may not add due to rounding.

Fruits and Nuts Production in Domestic Units – United States: 2017 and 2018

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2017 crop year, except citrus which is for the 2016-2017 season. Blank data cells indicate estimation period has not yet begun]

Crop	Production	
	2017	2018
Citrus ¹		
Grapefruit 1,000 tons	682	578
Lemons 1,000 tons	886	904
Oranges 1,000 tons	5,164	4,160
Tangerines and mandarins 1,000 tons	1,033	965
Noncitrus		
Apples million pounds	10,444.0	
Apricots tons	55,500	
Avocados tons		
Bananas (Hawaii) 1,000 pounds		
Blackberries (Oregon) 1,000 pounds		
Blueberries, Cultivated 1,000 pounds		
Blueberries, Wild (Maine) 1,000 pounds		
Boysenberries (Oregon) 1,000 pounds		
Cherries, Sweet tons	432,760	
Cherries, Tart million pounds	238.2	
Coffee (Hawaii) 1,000 pounds		
Cranberries barrel	9,050,000	
Dates tons		
Figs (California) tons		
Grapes tons	7,505,300	
Kiwifruit (California) tons		
Nectarines tons		
Olives (California) tons		
Papayas (Hawaii) 1,000 pounds		
Peaches tons	735,200	
Pears tons	707,000	
Plums (California) tons		
Prunes (California) tons	105,000	
Raspberries, all 1,000 pounds		
Strawberries 1,000 cwt	30,534	
Nuts and miscellaneous		
Almonds, shelled (California) 1,000 pounds	2,250,000	
Hazelnuts, in-shell (Oregon) tons	36,000	
Macadamias (Hawaii) 1,000 pounds		
Pecans, in-shell 1,000 pounds	277,400	
Pistachios (California) 1,000 pounds		
Walnuts, in-shell (California) tons	650,000	

¹ Production years are 2016-2017 and 2017-2018.

Fruits and Nuts Production in Metric Units – United States: 2017 and 2018

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2017 crop year, except citrus which is for the 2016-2017 season. Blank data cells indicate estimation period has not yet begun]

Crop	Production	
	2017 (metric tons)	2018 (metric tons)
Citrus¹		
Grapefruit	618,700	524,350
Lemons	803,770	820,100
Oranges	4,684,700	3,773,890
Tangerines and mandarins	937,120	875,430
Noncitrus		
Apples	4,737,320	
Apricots	50,350	
Avocados		
Bananas (Hawaii)		
Blackberries (Oregon)		
Blueberries, Cultivated		
Blueberries, Wild (Maine)		
Boysenberries (Oregon)		
Cherries, Sweet	392,590	
Cherries, Tart	108,050	
Coffee (Hawaii)		
Cranberries	410,500	
Dates		
Figs (California)		
Grapes	6,808,690	
Kiwifruit (California)		
Nectarines		
Olives (California)		
Papayas (Hawaii)		
Peaches	666,960	
Pears	641,380	
Plums (California)		
Prunes (California)	95,250	
Raspberries, all		
Strawberries	1,384,990	
Nuts and miscellaneous		
Almonds, shelled (California)	1,020,580	
Hazelnuts, in-shell (Oregon)	32,660	
Macadamias (Hawaii)		
Pecans, in-shell	125,830	
Pistachios (California)		
Walnuts, in-shell (California)	589,670	

¹ Production years are 2016-2017 and 2017-2018.

Corn for Grain Objective Yield Data

The National Agricultural Statistics Service is conducting objective yield surveys in 10 corn-producing States during 2017. Randomly selected plots in corn for grain fields are visited monthly from August through harvest to obtain specific counts and measurements. Data in these tables are rounded actual field counts from this survey.

Corn for Grain Plant Population per Acre – Selected States: 2013-2017

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

State and month	2013	2014	2015	2016	2017	State and month	2013	2014	2015	2016	2017
	(number)	(number)	(number)	(number)	(number)		(number)	(number)	(number)	(number)	(number)
Illinois						Nebraska					
September	30,700	30,900	31,800	31,100	30,800	All corn					
October	(NA)	30,800	31,750	31,100	30,900	September ...	26,000	26,450	26,650	25,900	25,950
November	30,850	30,700	31,750	31,100	30,950	October	(NA)	26,450	26,750	25,950	25,800
Final	30,850	30,700	31,750	31,100		November	26,100	26,200	26,700	26,000	25,700
						Final	26,100	26,200	26,700	26,000	
Indiana						Irrigated					
September	30,250	31,200	30,400	30,200	29,550	September ...	29,150	28,850	29,100	28,200	29,050
October	(NA)	31,000	30,100	29,950	29,350	October	(NA)	28,850	29,300	28,200	29,000
November	30,400	30,850	30,000	29,800	29,200	November	29,300	28,700	29,250	28,300	28,750
Final	30,450	30,850	29,950	29,800		Final	29,250	28,700	29,250	28,300	
Iowa						Non-irrigated					
September	30,250	30,850	31,500	31,250	31,300	September ...	21,000	22,650	23,500	22,900	22,500
October	(NA)	30,800	31,450	31,050	31,150	October	(NA)	22,550	23,550	23,000	22,200
November	30,000	30,800	31,450	31,050	31,150	November	21,050	22,250	23,550	23,000	22,250
Final	30,050	30,800	31,450	31,050		Final	21,050	22,250	23,550	23,000	
Kansas						Ohio					
September	22,900	23,750	23,400	22,550	22,050	September	28,800	29,600	30,000	30,250	29,250
October	(NA)	23,550	23,750	22,550	22,100	October	(NA)	29,700	30,000	30,100	29,150
November	22,850	23,550	23,800	22,550	22,300	November	28,700	29,600	29,950	30,250	29,100
Final	22,850	23,550	23,800	22,550		Final	28,650	29,600	29,950	30,250	
Minnesota						South Dakota					
September	31,350	31,400	30,650	30,800	30,750	September	25,300	24,550	26,350	26,200	26,250
October	(NA)	31,350	30,750	30,700	30,550	October	(NA)	24,250	26,250	26,100	26,200
November	30,950	31,150	30,750	30,550	30,600	November	25,100	24,150	26,200	26,000	26,200
Final	30,950	31,250	30,750	30,550		Final	25,100	24,150	26,200	26,000	
Missouri						Wisconsin					
September	27,700	27,650	27,900	27,300	27,850	September	29,050	30,000	29,900	30,100	29,450
October	(NA)	27,400	27,600	27,750	27,850	October	(NA)	29,900	29,700	29,900	29,100
November	27,800	27,500	27,600	27,800	27,950	November	29,150	30,000	29,450	29,800	29,150
Final	27,850	27,500	27,600	27,800		Final	29,150	30,050	29,450	29,800	
						10 State					
						September	28,750	29,200	29,550	29,050	28,800
						October	(NA)	29,100	29,500	28,950	28,700
						November	28,700	29,000	29,450	28,950	28,700
						Final	28,700	29,050	29,450	28,950	

(NA) Not available.

Corn for Grain Number of Ears per Acre – Selected States: 2013-2017

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

State and month	2013	2014	2015	2016	2017	State and month	2013	2014	2015	2016	2017
	(number)	(number)	(number)	(number)	(number)		(number)	(number)	(number)	(number)	(number)
Illinois						Nebraska					
September	29,900	30,300	30,800	30,350	30,200	All corn					
October	(NA)	30,300	30,750	30,450	30,300	September	26,050	26,500	26,650	25,700	25,800
November	30,150	30,100	30,800	30,450	30,250	October	(NA)	26,450	26,700	25,350	26,050
Final	30,150	30,100	30,800	30,450		November	25,700	26,200	26,700	25,400	25,950
						Final	25,700	26,200	26,700	25,400	
Indiana						Irrigated					
September	29,850	30,850	29,550	29,600	28,900	September	29,150	28,750	29,000	27,850	28,650
October	(NA)	30,650	29,300	29,400	29,100	October	(NA)	28,900	29,250	27,500	28,950
November	29,750	30,450	29,250	29,250	28,850	November	28,700	28,700	29,200	27,550	28,750
Final	29,850	30,450	29,150	29,250		Final	28,700	28,700	29,200	27,550	
Iowa						Non-irrigated					
September	29,700	30,350	30,950	30,550	30,600	September	21,200	22,900	23,650	22,850	22,600
October	(NA)	30,150	30,800	30,400	30,600	October	(NA)	22,550	23,550	22,550	22,800
November	29,500	30,150	30,850	30,500	30,600	November	20,950	22,250	23,550	22,550	22,900
Final	29,550	30,150	30,850	30,500		Final	20,950	22,250	23,550	22,550	
Kansas						Ohio					
September	22,500	24,450	23,300	22,650	22,800	September	28,350	29,200	29,650	29,750	29,500
October	(NA)	24,000	23,700	22,450	22,600	October	(NA)	29,700	29,650	29,200	29,250
November	22,200	24,000	23,650	22,450	22,650	November	28,200	29,600	29,600	29,600	29,150
Final	22,200	24,000	23,650	22,450		Final	28,300	29,600	29,600	29,600	
Minnesota						South Dakota					
September	30,750	31,050	30,500	30,550	30,750	September	25,600	24,850	26,200	25,650	26,250
October	(NA)	31,050	30,400	30,350	30,850	October	(NA)	24,400	25,900	25,350	26,150
November	30,850	30,750	30,450	30,250	30,850	November	25,300	24,450	25,750	25,450	26,200
Final	30,850	30,950	30,450	30,250		Final	25,300	24,450	25,750	25,450	
Missouri						Wisconsin					
September	26,950	27,800	27,350	26,900	27,750	September	28,900	30,000	29,500	29,300	28,950
October	(NA)	27,950	26,900	27,150	27,800	October	(NA)	29,750	28,950	28,900	28,800
November	27,050	27,900	26,850	27,150	27,850	November	28,900	29,550	28,600	28,750	28,600
Final	27,100	27,900	26,850	27,150		Final	28,850	29,700	28,600	28,750	
						10-State					
						September	28,350	29,000	29,050	28,550	28,550
						October	(NA)	28,850	28,950	28,350	28,550
						November	28,250	28,750	28,900	28,400	28,500
						Final	28,300	28,750	28,900	28,400	

(NA) Not available.

Corn Objective Yield Percent of Samples Processed in the Lab – United States: 2013-2017

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

Year	October		November	
	Dent stage ¹	Mature ²	Dent stage ¹	Mature ²
	(percent)	(percent)	(percent)	(percent)
2013	(NA)	(NA)	(Z)	86
2014	39	53	(Z)	96
2015	16	70	(Z)	96
2016	17	73	(Z)	96
2017	41	51	(Z)	96

(NA) Not available.

(Z) Less than half of the unit shown.

¹ Includes corn in the dent stage of development. Ears are firm and solid. Kernels fully dented with no milk present in most kernels.

² Includes that portion of the crop that is mature and ready for harvest. No green foliage is present.

Corn for Grain Percentage Distribution by Plant Population Per Acre – Selected States: 2013-2017

State and year	Plant populations					
	Less than 20,000	20,000- 22,500	22,501- 25,000	25,001- 27,500	27,501- 30,000	More than 30,000
	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)
Illinois2013	0.9	0.5	4.5	9.9	22.1	62.1
.....2014	1.3	1.8	2.7	10.7	20.1	63.4
.....2015	-	1.3	1.8	7.9	17.2	71.8
.....2016	0.9	0.5	4.3	11.8	18.0	64.5
.....2017	0.5	1.4	3.8	11.5	20.6	62.2
Indiana2013	2.7	2.7	6.3	8.0	26.8	53.5
.....2014	3.0	0.7	4.5	11.2	24.6	56.0
.....2015	4.6	1.5	4.6	11.5	20.8	57.0
.....2016	1.7	1.7	8.3	11.6	19.8	56.9
.....2017	5.7	4.9	6.5	13.0	21.1	48.8
Iowa2013	0.9	2.8	4.2	11.7	25.4	55.0
.....2014	0.8	2.8	1.2	8.3	20.5	66.4
.....2015	0.4	0.8	2.4	4.9	15.5	76.0
.....2016	0.4	1.8	2.2	8.9	22.7	64.0
.....2017	1.3	3.4	2.1	5.9	13.5	73.8
Kansas2013	30.6	10.9	12.9	14.9	17.8	12.9
.....2014	29.3	6.9	23.3	8.6	19.0	12.9
.....2015	20.2	18.2	11.1	27.2	6.1	17.2
.....2016	27.9	14.8	19.4	12.0	17.6	8.3
.....2017	24.3	21.2	17.2	21.2	12.1	4.0
Minnesota2013	-	1.9	5.6	6.5	17.6	68.4
.....2014	0.7	2.1	5.7	8.5	18.4	64.6
.....2015	-	1.6	3.1	11.0	22.8	61.5
.....2016	0.8	3.0	4.5	11.4	21.2	59.1
.....2017	2.8	4.6	5.5	7.3	12.8	67.0
Missouri2013	1.8	8.3	14.7	24.8	28.4	22.0
.....2014	4.7	9.3	11.2	17.8	30.8	26.2
.....2015	6.6	3.3	15.4	28.5	25.3	20.9
.....2016	3.0	6.0	14.0	28.0	23.0	26.0
.....2017	1.9	1.0	15.5	26.2	26.2	29.2
Nebraska2013	15.9	10.1	10.6	19.0	20.1	24.3
.....2014	13.4	8.4	15.6	18.4	17.9	26.3
.....2015	8.4	7.8	15.6	16.8	21.2	30.2
.....2016	9.6	10.1	16.3	20.2	19.7	24.1
.....2017	16.8	6.3	12.6	19.4	17.8	27.1
Ohio2013	3.4	3.4	4.5	25.8	29.2	33.7
.....2014	5.5	1.8	5.5	8.3	35.8	43.1
.....2015	4.4	1.8	2.7	8.0	21.2	61.9
.....2016	1.9	2.9	1.0	9.6	26.9	57.7
.....2017	2.7	4.4	7.1	15.0	25.7	45.1
South Dakota2013	11.8	10.5	23.7	27.7	14.5	11.8
.....2014	19.7	14.5	10.5	29.0	18.4	7.9
.....2015	12.1	5.5	17.6	20.9	26.3	17.6
.....2016	13.2	5.3	17.1	26.3	18.4	19.7
.....2017	8.2	13.7	16.4	15.1	26.1	20.5
Wisconsin2013	3.4	3.4	8.0	17.2	14.9	53.1
.....2014	2.1	4.2	4.2	9.4	27.1	53.0
.....2015	2.4	2.4	7.3	14.6	23.2	50.1
.....2016	2.4	4.9	3.7	11.0	18.3	59.7
.....2017	3.9	2.6	6.6	19.7	21.1	46.1

- Represents zero.

Corn for Grain Frequency of Farmer Reported Row Widths – Selected States: 2013-2017

State and year	Row width (inches)				
	Less than 30	30	36	38	More than 38
	(number)	(number)	(number)	(number)	(number)
Illinois 2013	10	210	7	2	-
..... 2014	8	220	2	1	-
..... 2015	11	222	1	1	-
..... 2016	6	218	-	1	-
..... 2017	6	210	4	1	-
Indiana 2013	5	122	1	3	1
..... 2014	10	128	4	2	-
..... 2015	8	124	3	1	-
..... 2016	8	118	1	1	1
..... 2017	7	117	-	-	-
Iowa 2013	9	214	5	8	-
..... 2014	15	234	3	3	1
..... 2015	7	241	3	1	-
..... 2016	12	213	4	4	-
..... 2017	2	236	3	3	-
Kansas 2013	2	105	-	-	-
..... 2014	9	111	1	-	-
..... 2015	2	105	3	-	-
..... 2016	8	105	-	-	-
..... 2017	2	106	2	-	-
Minnesota 2013	35	104	3	1	-
..... 2014	26	105	4	3	1
..... 2015	29	118	1	-	-
..... 2016	27	113	2	-	-
..... 2017	27	89	2	-	-
Missouri 2013	2	104	3	5	-
..... 2014	3	105	2	4	-
..... 2015	2	101	2	1	-
..... 2016	5	96	1	2	-
..... 2017	3	101	5	2	-
Nebraska 2013	3	169	29	1	-
..... 2014	7	142	38	1	-
..... 2015	5	166	18	-	-
..... 2016	-	162	23	-	-
..... 2017	2	169	23	2	-
Ohio 2013	3	107	1	1	-
..... 2014	2	107	1	2	-
..... 2015	2	110	4	1	2
..... 2016	4	105	-	1	-
..... 2017	2	109	1	1	-
South Dakota 2013	8	82	2	1	-
..... 2014	5	81	2	3	1
..... 2015	13	78	1	2	-
..... 2016	5	71	4	1	2
..... 2017	6	75	1	1	-
Wisconsin 2013	8	91	4	2	-
..... 2014	8	91	2	2	-
..... 2015	4	91	3	1	1
..... 2016	2	84	2	2	-
..... 2017	4	83	5	1	-

- Represents zero.

Corn for Grain Percentage Distribution by Measured Row Width and Average Row Width – Selected States: 2013-2017

State and year	Samples (number)	Row width (inches)						Average row width (inches)	
		20.5 or less (percent)	20.6- 30.5 (percent)	30.6- 34.5 (percent)	34.6- 36.5 (percent)	36.6- 38.5 (percent)	38.6 or greater (percent)		
Illinois	2013	222	3.6	81.4	12.6	1.4	0.5	0.5	29.9
	2014	224	2.2	79.0	17.0	-	1.8	-	30.0
	2015	227	4.0	78.9	16.7	-	0.4	-	29.7
	2016	211	2.4	87.6	9.5	-	-	0.5	29.8
	2017	209	1.4	85.1	12.0	0.5	0.5	0.5	30.1
Indiana	2013	112	6.3	70.5	20.5	-	2.7	-	29.7
	2014	134	5.2	79.9	11.9	1.5	1.5	-	29.7
	2015	130	4.6	77.7	13.1	1.5	2.3	0.8	29.8
	2016	121	3.3	72.7	22.3	1.7	-	-	29.8
	2017	123	2.4	78.9	17.9	0.8	-	-	29.8
Iowa	2013	213	1.4	76.5	16.0	2.8	3.3	-	30.3
	2014	254	5.1	72.0	18.9	1.6	2.0	0.4	30.0
	2015	245	2.4	76.8	19.2	1.6	-	-	30.0
	2016	225	2.2	76.9	19.1	0.9	0.9	-	30.0
	2017	237	0.8	76.4	19.0	0.4	3.0	0.4	30.4
Kansas	2013	101	-	81.2	17.8	1.0	-	-	30.2
	2014	116	4.3	75.0	19.0	1.7	-	-	29.8
	2015	99	2.0	74.8	20.2	2.0	1.0	-	30.2
	2016	108	4.6	85.2	10.2	-	-	-	29.6
	2017	99	2.0	75.8	21.2	-	-	1.0	30.1
Minnesota	2013	108	1.9	81.4	13.9	2.8	-	-	28.6
	2014	141	2.8	78.8	13.5	2.8	1.4	0.7	29.1
	2015	127	3.1	85.9	10.2	0.8	-	-	28.5
	2016	132	2.3	78.0	17.4	0.8	1.5	-	28.8
	2017	109	4.6	81.6	8.3	0.9	3.7	0.9	28.9
Missouri	2013	109	-	82.5	10.1	3.7	2.8	0.9	30.5
	2014	107	0.9	71.0	18.7	4.7	4.7	-	30.6
	2015	91	-	73.6	24.2	-	2.2	-	30.4
	2016	100	1.0	76.0	20.0	1.0	2.0	-	30.0
	2017	103	1.9	66.1	25.2	3.9	1.0	1.9	30.4
Nebraska	2013	189	1.6	65.1	18.0	7.9	7.4	-	31.0
	2014	179	1.7	58.0	19.6	17.3	3.4	-	31.2
	2015	179	2.2	71.6	15.1	8.9	2.2	-	30.7
	2016	178	-	65.2	20.2	9.0	4.5	1.1	31.2
	2017	191	-	70.7	15.7	9.4	4.2	-	31.0
Ohio	2013	89	1.1	80.9	18.0	-	-	-	30.1
	2014	109	0.9	83.5	13.8	-	0.9	0.9	30.2
	2015	113	1.8	74.2	20.4	2.7	-	0.9	30.4
	2016	104	4.8	81.7	10.6	1.9	1.0	-	29.8
	2017	113	0.9	83.2	15.0	0.9	-	-	30.0
South Dakota	2013	76	1.3	86.9	6.6	3.9	1.3	-	29.9
	2014	76	2.6	75.1	17.1	1.3	-	3.9	30.4
	2015	91	3.3	72.5	19.8	2.2	2.2	-	29.7
	2016	76	2.6	64.5	26.3	4.0	1.3	1.3	30.4
	2017	73	8.2	61.6	28.8	-	1.4	-	29.6
Wisconsin	2013	87	4.6	64.5	26.4	3.4	1.1	-	30.1
	2014	96	6.3	70.7	18.8	-	2.1	2.1	29.8
	2015	82	2.4	63.5	30.5	2.4	-	1.2	30.0
	2016	82	1.2	72.0	22.0	1.2	1.2	2.4	30.5
	2017	76	1.3	61.9	28.9	5.3	1.3	1.3	30.5

- Represents zero.

Cotton Objective Yield Data

The National Agricultural Statistics Service conducted objective yield surveys in six cotton-producing States during 2017. Randomly selected plots in cotton fields were visited monthly from August through harvest to obtain specific counts and measurements. Data in this table are actual field counts from this survey.

Cotton Cumulative Boll Counts – Selected States: 2013-2017

[Includes small bolls (less than one inch in diameter), large unopened bolls (at least one inch in diameter), open bolls, partially opened bolls, and burrs per 40 feet of row. November, December, and Final exclude small bolls. Blank data cells indicate estimation period has not yet begun]

State and month	2013	2014	2015	2016	2017
	(number)	(number)	(number)	(number)	(number)
Arkansas					
September	1,025	910	763	800	911
October	(NA)	741	769	769	839
November	855	771	856	779	825
December	862	773	856	779	
Final	862	773	856	779	
Georgia					
September	481	660	645	562	593
October	(NA)	660	630	668	608
November	663	717	748	719	680
December	669	718	759	725	
Final	670	719	759	725	
Louisiana					
September	806	745	676	654	648
October	(NA)	876	776	760	667
November	857	877	794	784	665
December	857	877	793	784	
Final	857	877	793	784	
Mississippi					
September	925	843	887	953	904
October	(NA)	808	839	942	810
November	906	861	898	974	804
December	907	861	898	974	
Final	907	861	898	974	
North Carolina					
September	532	604	551	558	637
October	(NA)	629	620	599	705
November	636	765	624	660	769
December	668	764	632	660	
Final	668	764	632	660	
Texas					
September	547	485	566	467	592
October	(NA)	373	442	474	602
November	517	453	481	528	603
December	526	461	492	547	
Final	525	482	495	546	
6-State					
September	580	564	601	532	633
October	(NA)	487	518	554	635
November	608	561	571	604	649
December	614	566	581	618	
Final	617	587	583	618	

(NA) Not available.

Soybean Objective Yield Data

The National Agricultural Statistics Service is conducting objective yield surveys in 11 soybean-producing States during 2017. Randomly selected plots in soybean fields are visited monthly from August through harvest to obtain specific counts and measurements. Data in these tables are actual field counts from this survey.

Soybean Pods with Beans per 18 Square Feet – Selected States: 2013-2017

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

State and month	2013	2014	2015	2016	2017	State and month	2013	2014	2015	2016	2017
	(number)	(number)	(number)	(number)	(number)		(number)	(number)	(number)	(number)	(number)
Arkansas						Missouri					
September	1,864	1,925	1,729	1,884	1,992	September	1,528	2,050	1,612	1,881	2,041
October	(NA)	1,960	1,737	1,805	1,898	October	(NA)	1,969	1,755	2,006	2,172
November	1,864	1,999	1,813	1,820	2,039	November	1,522	2,055	1,869	2,123	2,253
Final	1,734	1,999	1,818	1,826		Final	1,500	2,043	1,899	2,164	
Illinois						Nebraska					
September	1,682	1,922	1,980	1,969	1,917	September	1,671	1,634	1,816	1,947	1,653
October	(NA)	1,913	2,052	2,109	1,886	October	(NA)	1,707	1,863	2,036	1,795
November	1,713	1,964	2,086	2,193	1,947	November	1,801	1,743	1,884	2,074	1,853
Final	1,697	1,968	2,079	2,197		Final	1,801	1,743	1,884	2,074	
Indiana						North Dakota					
September	1,638	1,518	1,641	1,683	1,795	September	1,275	1,281	1,321	1,395	1,406
October	(NA)	1,634	1,703	1,775	1,772	October	(NA)	1,266	1,330	1,444	1,430
November	1,696	1,661	1,691	1,873	1,774	November	1,336	1,454	1,337	1,442	1,465
Final	1,705	1,660	1,691	1,873		Final	1,336	1,459	1,337	1,470	
Iowa						Ohio					
September	1,414	1,621	1,779	1,808	1,644	September	1,889	1,882	1,621	1,773	1,765
October	(NA)	1,690	1,805	1,801	1,670	October	(NA)	1,835	1,691	1,715	1,714
November	1,538	1,772	1,834	1,861	1,717	November	1,780	1,796	1,776	1,782	1,828
Final	1,531	1,768	1,834	1,890		Final	1,799	1,796	1,776	1,782	
Kansas						South Dakota					
September	1,295	1,303	1,285	1,467	1,487	September	1,508	1,533	1,541	1,561	1,511
October	(NA)	1,384	1,602	1,643	1,472	October	(NA)	1,485	1,557	1,639	1,472
November	1,319	1,428	1,715	1,720	1,561	November	1,543	1,498	1,563	1,709	1,457
Final	1,360	1,453	1,715	1,737		Final	1,489	1,501	1,563	1,665	
Minnesota						11-State					
September	1,433	1,414	1,637	1,614	1,359	September	1,555	1,651	1,672	1,741	1,678
October	(NA)	1,431	1,644	1,625	1,407	October	(NA)	1,667	1,731	1,800	1,692
November	1,400	1,434	1,612	1,658	1,480	November	1,589	1,719	1,763	1,862	1,751
Final	1,418	1,434	1,612	1,658		Final	1,580	1,720	1,764	1,870	

(NA) Not available.

Soybean Frequency of Farmer Reported Row Widths – Selected States: 2013-2017

State and year	Row width (inches)				
	Less than 7.5 ¹	7.5	15	30	More than 30
	(number)	(number)	(number)	(number)	(number)
Arkansas 2013	7	59	42	30	56
..... 2014	10	53	50	27	65
..... 2015	8	41	34	32	77
..... 2016	5	31	46	36	73
..... 2017	9	25	42	39	79
Illinois 2013	3	18	91	63	-
..... 2014	6	15	102	60	-
..... 2015	2	15	111	52	1
..... 2016	1	15	105	57	1
..... 2017	2	10	109	59	2
Indiana 2013	2	20	98	17	1
..... 2014	2	21	110	13	2
..... 2015	2	17	103	15	-
..... 2016	1	27	91	17	2
..... 2017	3	28	101	12	-
Iowa 2013	2	1	78	93	3
..... 2014	1	3	74	104	2
..... 2015	4	4	76	92	4
..... 2016	1	6	73	100	2
..... 2017	1	3	80	94	1
Kansas 2013	2	22	52	43	-
..... 2014	6	18	35	53	-
..... 2015	5	13	38	56	-
..... 2016	6	8	38	57	-
..... 2017	10	14	32	43	2
Minnesota 2013	1	6	45	39	-
..... 2014	6	8	32	36	1
..... 2015	4	7	42	50	1
..... 2016	5	8	40	36	1
..... 2017	1	9	38	42	-
Missouri 2013	-	23	76	15	8
..... 2014	2	14	74	17	6
..... 2015	1	17	50	15	8
..... 2016	-	14	71	19	5
..... 2017	1	10	70	21	4
Nebraska 2013	-	9	36	51	9
..... 2014	-	4	30	58	4
..... 2015	1	4	31	62	8
..... 2016	-	10	36	46	3
..... 2017	1	4	38	51	8

See footnote(s) at end of table.

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Soybean Frequency of Farmer Reported Row Widths – Selected States: 2013-2017 (continued)

State and year	Row width (inches)				
	Less than 7.5 ¹	7.5	15	30	More than 30
	(number)	(number)	(number)	(number)	(number)
North Dakota2013	6	10	51	20	1
.....2014	12	17	51	14	-
.....2015	5	19	68	12	-
.....2016	8	17	55	15	-
.....2017	5	16	56	7	1
Ohio2013	8	60	70	3	1
.....2014	6	47	72	8	-
.....2015	2	45	76	9	-
.....2016	3	41	84	7	-
.....2017	2	38	83	8	-
South Dakota2013	4	5	23	55	1
.....2014	8	3	23	47	1
.....2015	2	3	12	65	1
.....2016	3	4	27	59	2
.....2017	1	4	27	63	1

- Represents zero.

¹ Includes broadcast soybeans.

Soybean Objective Yield Percent of Samples Processed in the Lab – United States: 2013-2017

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

Year	October	November
	Mature ¹	Mature ¹
	(percent)	(percent)
2013	(NA)	73
2014	35	92
2015	54	95
2016	53	93
2017	49	93

(NA) Not available.

¹ Includes soybeans with brown pods and are considered mature or almost mature.

Soybean Percentage Distribution by Measured Row Width and Average Row Width – Selected States: 2013-2017

State and year	Samples	Row width (inches)					Average row width ¹	
		10.0 or less ¹	10.1-18.5	18.6-28.5	28.6-34.5	34.6 or greater		
	(number)	(percent)	(percent)	(percent)	(percent)	(percent)	(inches)	
Arkansas	2013	184	26.4	27.7	25.3	11.9	8.7	18.3
	2014	208	20.7	24.1	29.9	12.8	12.5	20.1
	2015	199	19.1	16.8	23.6	14.6	25.9	23.1
	2016	189	14.6	24.1	4.0	21.2	36.1	26.0
	2017	199	16.1	24.1	2.3	19.6	37.9	26.5
Illinois	2013	178	11.5	51.4	3.1	34.0	-	19.7
	2014	185	10.3	52.7	3.8	33.2	-	19.7
	2015	178	7.1	63.0	2.3	26.8	0.8	19.0
	2016	177	7.9	56.5	5.6	29.4	0.6	19.6
	2017	181	6.1	50.6	5.0	37.7	0.6	20.8
Indiana	2013	137	15.6	69.6	4.5	9.6	0.7	16.0
	2014	143	15.0	66.4	9.1	9.5	-	16.0
	2015	137	15.4	67.4	5.9	11.3	-	16.1
	2016	137	14.7	62.3	8.4	13.9	0.7	17.0
	2017	141	14.6	68.3	9.3	7.8	-	15.8
Iowa	2013	177	3.1	34.4	10.8	49.7	2.0	23.5
	2014	185	2.2	33.6	7.0	55.6	1.6	24.3
	2015	181	2.8	36.7	9.1	49.2	2.2	23.4
	2016	179	2.2	34.4	11.2	50.5	1.7	23.7
	2017	180	1.1	34.4	12.8	50.6	1.1	23.7
Kansas	2013	118	11.1	52.2	3.4	33.3	-	19.2
	2014	113	9.3	41.1	5.8	43.8	-	21.2
	2015	111	11.7	38.3	4.5	45.5	-	21.5
	2016	109	5.5	34.6	4.6	54.4	0.9	23.5
	2017	105	9.0	38.1	5.7	47.2	-	21.8
Minnesota	2013	97	6.3	29.7	21.9	41.1	1.0	22.7
	2014	81	11.2	18.6	25.5	42.8	1.9	22.8
	2015	89	5.1	21.9	20.8	52.2	-	24.0
	2016	84	11.3	28.0	23.8	36.9	-	21.6
	2017	88	7.4	23.3	18.8	50.5	-	23.5
Missouri	2013	120	15.0	61.7	2.5	15.0	5.8	17.8
	2014	115	12.2	57.4	7.8	18.3	4.3	18.4
	2015	86	16.7	56.6	7.7	11.9	7.1	17.9
	2016	104	3.8	70.7	2.4	16.8	6.3	18.9
	2017	106	9.4	63.7	5.7	19.3	1.9	18.3
Nebraska	2013	104	4.4	32.5	4.4	51.0	7.7	24.4
	2014	95	2.6	28.4	7.9	55.8	5.3	24.8
	2015	105	2.4	29.5	6.3	54.1	7.7	24.5
	2016	94	7.4	35.6	5.9	46.8	4.3	22.8
	2017	100	4.0	31.0	10.5	47.0	7.5	24.2

See footnote(s) at end of table.

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**Soybean Percentage Distribution by Measured Row Width and Average Row Width – Selected States:
2013-2017 (continued)**

State and year	Samples	Row width (inches)					Average row width ¹
		10.0 or less ¹	10.1-18.5	18.6-28.5	28.6-34.5	34.6 or greater	
	(number)	(percent)	(percent)	(percent)	(percent)	(percent)	(inches)
North Dakota	2013 89	13.5	44.9	20.8	20.8	-	18.7
	2014 91	20.4	47.0	20.4	12.2	-	16.6
	2015 104	13.5	45.7	29.3	11.5	-	17.6
	2016 95	20.1	42.9	20.1	16.9	-	17.7
	2017 84	17.3	55.3	17.9	8.3	1.2	16.2
Ohio	2013 142	37.3	51.8	6.7	3.5	0.7	13.2
	2014 130	35.0	60.0	1.2	3.8	-	13.1
	2015 132	32.7	57.0	5.0	5.3	-	13.8
	2016 137	32.1	60.3	1.8	5.8	-	13.7
	2017 134	25.4	66.4	2.6	5.6	-	14.1
South Dakota	2013 89	6.7	18.0	15.2	57.9	2.2	25.5
	2014 81	4.3	25.3	12.4	54.3	3.7	24.8
	2015 83	5.0	10.5	14.2	69.1	1.2	26.6
	2016 96	1.6	23.0	17.3	53.4	4.7	25.1
	2017 93	2.7	17.8	16.2	61.7	1.6	25.9

- Represents zero.

¹ Broadcast soybeans included as "10.0 inches or less" but excluded in computation of average width.

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Fall Potato Objective Yield Data

The National Agricultural Statistics Service collects variety data in seven States, accounting for 83 percent of the 2017 United States fall potato planted acres. The seven States conduct objective yield surveys where all producing areas are sampled in proportion to planted acreage. Variety data shown below are actual percentages from these surveys.

Percent of Fall Potatoes Planted to Major Varieties – Selected States: 2017 Crop

State and variety	Percent of planted acres	State and variety	Percent of planted acres
Idaho			
Russet Burbank	48.3	Oregon	
R Norkotah	17.1	Norkotah	18.4
Ranger R	14.4	Russet Burbank	14.4
Umatillas	2.4	Umatillas	13.2
Clearwater	2.4	Frito-Lay	12.0
Bannock	2.3	Ranger	10.7
Nor Donna	2.0	Shepody	7.6
Dark Red Norland	1.9	Alturas	7.0
Frito-Lay	1.2	Lamoka	2.9
Agata	1.0	Clearwater	2.8
Other	7.0	Ciklamen	2.2
		Dakota Pearl	1.7
Maine		Yukon Gold	1.7
Russet Burbank	41.7	Premier	1.6
Frito-Lay	12.2	Agata	1.1
R Norkotah	6.7	Other	2.7
Caribou	3.3		
Snowden	2.6	Washington	
Norland	2.6	Russet Burbank	26.8
Lamoka	2.5	Umatilla R	13.5
Keuka Gold	2.5	Ranger	11.5
Norwis	2.3	Norkotah	8.2
Russet Nugget	2.0	Shepody	6.5
Nadine	2.0	Chieftain	5.5
Atlantic	1.7	Clearwater	4.3
Superior	1.6	Alturas	4.2
Blazer R	1.5	Bannock	1.3
Waneta	1.5	Satina	1.3
Shepody	1.3	Snowden	1.1
Goldrush	1.1	Agata	1.1
Other	10.9	Other	14.7
Minnesota		Wisconsin	
Russet Burbank	60.1	Frito-Lay	22.8
Umatilla R	12.3	Russet Burbank	19.9
Norland	8.2	R Norkotah	6.9
Dark Red Norland	5.1	Silverton	6.7
Cascade	1.8	Umatillas	6.4
Goldrush	1.6	Snowden	5.6
Dakota Rose	1.3	Norland	5.6
Alpine	1.2	Goldrush	5.5
Dakota Russet	1.2	Lamoka	3.3
Dakota Pearl	1.2	Atlantic	2.4
Other	6.0	Dark Red Norland	2.2
		Superior	2.2
North Dakota		Pinnacle	1.3
Russet Burbank	29.2	Other	9.2
Umatilla	14.7		
Prospect	12.7		
Norland	9.1		
Dark Red Norland	6.8		
Dakota Pearl	4.6		
Bannock	3.2		
Dakota Russet	2.8		
Sangre	2.5		
Red Pontiac	1.8		
Milva	1.4		
Red la Soda	1.4		
Other	9.8		

Percent of Fall Potatoes Planted to Major Varieties – Seven-State Total: 2017 Crop

[The Seven State total includes Idaho, Maine, Minnesota, North Dakota, Oregon, Washington, and Wisconsin]

Variety	Percent of planted acres	Variety	Percent of planted acres
Russet Burbank	38.0	Pike	0.2
R Norkotah	10.4	Red la Soda	0.2
Ranger R	8.9	Waneta	0.2
Umatilla R	7.8	Premier	0.2
Frito-Lay	3.6	Colorado Rose	0.2
Norland	2.3	Caribou	0.2
Dark Red Norland	2.2	Nadine	0.2
Clearwater	2.1	Milva	0.2
Shepody	1.9	Alpine	0.2
Bannock	1.6	Cascade	0.2
Prospect	1.6	Cal White	0.2
Alturas	1.6	Dakota Rose	0.2
Chieftain	1.3	Keuka Gold	0.1
Lamoka	0.8	Norwis	0.1
Snowden	0.8	White Pearl	0.1
Nor Donna	0.8	Western Russet	0.1
Dakota Pearl	0.7	Ivory Russet	0.1
Agata	0.7	Cultivate	0.1
Goldrush	0.6	Russet Nugget	0.1
Atlantic	0.5	Challenger	0.1
Silverton	0.5	Pinnacle	0.1
Dakota Russet	0.5	Blazer	0.1
Satina	0.4	Ivory Crisp	0.1
Ciklamen	0.4	Alegria	0.1
Sangre	0.3	Dakota Crisp	0.1
Teton	0.3	Cecile	0.1
Yukon Gold	0.3	Manistee	0.1
Superior	0.3	Elfe	0.1
Red Pontiac	0.3	Purple Majesty	0.1
Classic	0.2	Almera	0.1
		Other	4.1

Potato Objective Yield Data

The National Agricultural Statistics Service is conducting objective yield surveys in seven fall potato-producing States during 2017. Sample plots were located in potato fields randomly selected using a scientifically designed sampling procedure. Field workers recorded counts and measurements within the field and then harvested six hills per sample. Potatoes were sent to laboratories for sizing and grading according to accepted United States fresh grading standards. Data in these tables are rounded actual field counts from this survey.

Fall Potato Number of Hills by Type – Selected States: 2013-2017

State and year	Reds		Whites		Yellows		Russets	
	Samples	Average number of hills per acre	Samples	Average number of hills per acre	Samples	Average number of hills per acre	Samples	Average number of hills per acre
	(number)	(number)	(number)	(number)	(number)	(number)	(number)	(number)
Idaho								
2013	7	12,944	6	12,565	(D)	(D)	188	12,793
2014	5	14,147	7	13,051	3	13,419	174	12,875
2015	8	13,960	6	12,780	(D)	(D)	182	12,720
2016	6	14,349	5	12,082	(D)	(D)	184	12,233
2017	8	15,190	6	13,232	6	15,173	151	12,927
Maine								
2013	8	13,306	56	13,468	9	12,427	41	10,005
2014	7	13,315	35	12,190	11	13,643	65	10,627
2015	8	13,183	43	13,106	9	11,434	85	10,029
2016	10	13,322	53	13,331	11	12,479	74	9,679
2017	4	12,563	36	13,962	5	12,125	65	10,865
Minnesota								
2013	33	13,150	9	11,666	-	-	91	12,348
2014	35	11,952	8	12,390	(D)	(D)	88	11,533
2015	31	13,705	9	12,629	(D)	(D)	82	13,416
2016	18	12,998	6	13,211	-	-	101	13,663
2017	13	12,784	6	11,563	(D)	(D)	64	12,830
North Dakota								
2013	22	10,496	39	11,057	5	13,161	68	12,406
2014	19	11,008	32	10,985	(D)	(D)	78	11,772
2015	16	12,688	31	12,090	4	17,154	83	13,297
2016	9	10,017	34	12,441	(D)	(D)	96	14,135
2017	33	12,202	33	13,035	7	12,697	78	13,711
Oregon								
2013	(D)	(D)	14	12,926	(D)	(D)	60	12,627
2014	4	9,772	17	11,584	3	10,663	76	12,848
2015	4	13,138	16	11,269	3	11,195	70	12,864
2016	(D)	(D)	25	10,945	-	-	60	11,449
2017	3	12,376	28	13,097	3	11,063	56	12,814
Washington								
2013	5	18,686	12	15,693	(D)	(D)	80	15,271
2014	3	17,070	13	15,419	7	20,933	111	14,663
2015	6	20,170	12	15,669	5	13,988	104	14,867
2016	5	17,745	16	14,726	4	17,932	103	14,119
2017	8	18,363	8	13,427	4	14,721	78	14,058
Wisconsin								
2013	13	16,048	43	14,327	3	17,259	49	12,545
2014	6	14,455	41	14,320	5	15,272	65	12,233
2015	6	16,044	42	15,375	(D)	(D)	60	13,302
2016	12	16,864	43	15,544	(D)	(D)	52	13,310
2017	12	17,560	48	15,739	(D)	(D)	43	12,957

- Represents zero.

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

Fall Potato Harvest Loss by Type – Selected States: 2013-2017

State and year	Reds (cwt per acre)	Whites (cwt per acre)	Yellows (cwt per acre)	Russets (cwt per acre)	All types (cwt per acre)	
Idaho	2013	(D)	18	-	29	27
	2014	(D)	-	-	23	23
	2015	(D)	(D)	(D)	17	17
	2016	-	(D)	-	22	22
	2017	(D)	(D)	(D)	24	22
Maine	2013	13	(D)	(D)	(D)	15
	2014	28	15	(D)	19	18
	2015	(D)	17	(D)	24	20
	2016	11	12	-	24	19
	2017	(D)	8	(D)	17	13
Minnesota	2013	12	(D)	-	33	29
	2014	16	(D)	-	39	32
	2015	19	(D)	-	43	36
	2016	14	(D)	-	33	30
	2017	(D)	-	-	25	24
North Dakota	2013	20	34	(D)	53	40
	2014	15	34	-	34	31
	2015	18	23	(D)	32	27
	2016	(D)	31	(D)	50	44
	2017	11	29	(D)	44	33
Oregon	2013	-	(D)	-	21	24
	2014	(D)	24	-	16	17
	2015	(D)	(D)	-	29	27
	2016	(D)	21	-	16	17
	2017	(D)	20	-	21	21
Washington	2013	(D)	(D)	-	20	19
	2014	-	33	-	18	20
	2015	-	14	-	15	15
	2016	(D)	34	-	23	26
	2017	-	(D)	-	18	18
Wisconsin	2013	(D)	37	(D)	14	22
	2014	(D)	12	(D)	15	13
	2015	(D)	29	-	19	22
	2016	8	11	-	20	14
	2017	-	13	-	11	12

- Represents zero.

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

Fall Potato Grading Categories by Type – Selected States: 2016 and 2017

[Gross yield basis]

Type and State	No. 1 2 inch minimum ¹		No. 2 or processing usable 1 1/2 inch minimum ¹		Cull ²	
	2016 (percent)	2017 (percent)	2016 (percent)	2017 (percent)	2016 (percent)	2017 (percent)
Round red potatoes						
Minnesota	74.1	77.1	18.0	19.9	7.9	3.0
North Dakota	(D)	80.9	(D)	13.5	(D)	5.6
Wisconsin	78.8	76.2	20.7	23.7	0.5	0.1
Round white potatoes						
Maine ³	85.0	88.6	7.4	10.9	7.6	0.5
North Dakota	(D)	67.8	(D)	24.4	(D)	7.8
Oregon	91.6	87.7	5.6	6.8	2.8	5.5
Wisconsin	85.1	82.8	14.8	17.2	0.1	-
All long potatoes ⁴						
Idaho ⁵	82.0	79.7	13.4	15.0	4.6	5.3
Maine ³	87.6	83.2	6.0	16.1	6.4	0.7
Minnesota	71.9	73.7	21.8	21.5	6.3	4.8
North Dakota	72.3	77.9	18.9	18.2	8.8	3.9
Oregon	80.5	80.8	15.0	14.7	4.5	4.5
Washington	82.4	86.6	12.2	9.7	5.4	3.7
Wisconsin	78.1	78.9	21.8	20.2	0.1	0.9

- Represents zero.

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

¹ Potatoes which meet the requirements for United States #1 or #2, as stated in United States Standards for Grades of Potatoes, United States Department of Agriculture, Agricultural Marketing Service.

² Potatoes not meeting the requirements for United States #1 or #2, as stated in United States Standards for Grades of Potatoes, United States Department of Agriculture, Agricultural Marketing Service.

³ Percent of net yield adjusted for field loss.

⁴ Includes Russet, Shepody, Prospect, and Defender varieties unless otherwise indicated.

⁵ Russets only.

Round Potato Size Categories by Type – Selected States: 2016 and 2017

[Gross yield basis]

Year, type, and State	Inches						
	1 1/2 - 1 7/8	1 7/8 - 2	2 - 2 1/4	2 1/4 - 2 1/2	2 1/2 - 3 1/2	3 1/2 - 4	4 inches and over
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
2016							
Red potatoes							
Minnesota	9.3	6.7	16.9	22.6	44.5	-	-
North Dakota	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wisconsin	8.7	8.8	20.3	28.4	33.8	-	-
White potatoes							
Maine ¹	2.0	2.8	9.4	16.4	61.9	6.3	1.2
North Dakota	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Oregon	2.3	2.6	9.9	12.9	56.9	11.2	4.2
Wisconsin	3.6	3.3	10.9	18.1	61.8	1.8	0.5
2017							
Red potatoes							
Minnesota	5.5	5.0	11.4	23.2	51.5	3.4	-
North Dakota	4.1	4.2	10.8	19.9	60.4	0.6	-
Wisconsin	12.1	9.3	20.5	29.0	29.1	-	-
White potatoes							
Maine ¹	3.9	4.7	13.0	19.8	53.5	4.4	0.7
North Dakota	9.9	11.1	21.7	21.7	34.4	1.2	-
Oregon	2.7	3.6	13.9	19.6	45.2	13.0	2.0
Wisconsin	4.6	3.9	12.7	18.4	56.6	3.0	0.8

- Represents zero.

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

¹ Percent of net yield adjusted for field loss.

Long Potato (Russet and Shepody) Size Categories – Maine: 2016 and 2017

[Percent of net yield - adjusted for field loss]

Year	Inches		Ounces					
	1 1/2 - 1 7/8	1 7/8 - 2	2 inches or 4-6	6-8	8-10	10-12	12-14	14 and over
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
2016	1.0	2.1	23.0	18.4	16.3	12.5	7.4	19.3
2017	3.2	3.8	31.2	20.2	13.6	8.5	6.2	13.3

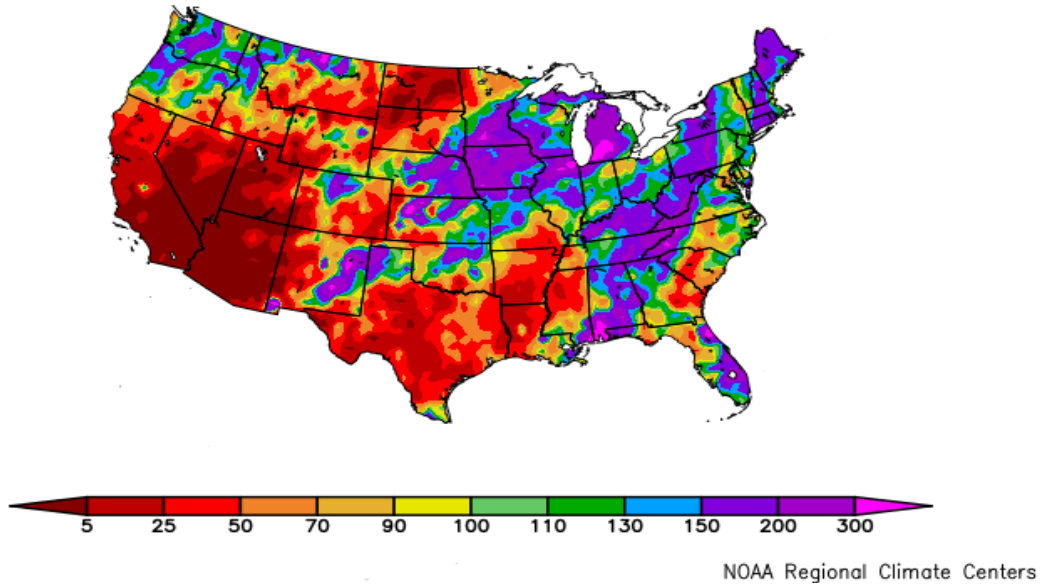
All Long Potato Size Categories – Selected States: 2016 and 2017

[Gross yield basis. Includes Russet, Shepody, Prospect, and Defender varieties]

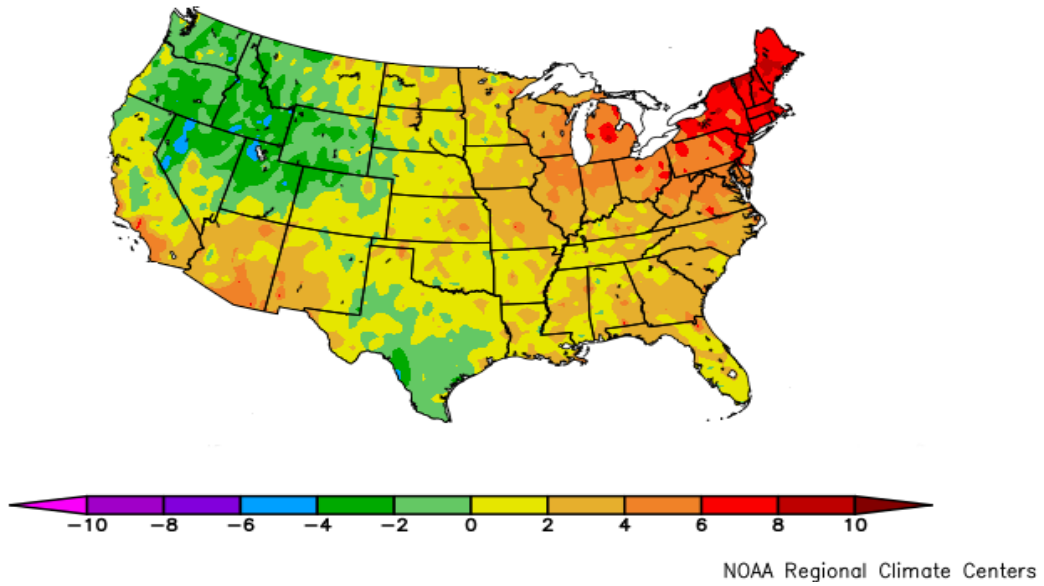
Year and State	Inches			Ounces									
	1 1/2 - 1 5/8	1 5/8 - 1 7/8	1 7/8 - 2	2 in. or 4-6	6	7	8	9	10	11	12	13	14 and over
	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
2016													
Idaho ¹	1.0	5.1	3.5	28.0	10.4	8.6	8.0	6.3	5.4	4.5	3.7	2.9	12.6
Minnesota	1.8	9.2	7.8	23.4	10.4	10.5	8.1	6.4	5.0	4.2	3.6	2.5	7.1
North Dakota	1.0	5.5	5.9	17.9	8.3	9.8	9.0	7.2	6.9	6.3	5.1	3.7	13.4
Oregon	0.8	3.2	2.6	18.1	8.9	7.1	7.7	6.7	7.2	5.2	5.6	4.5	22.4
Washington	0.6	2.8	2.3	22.1	9.5	8.6	9.2	7.0	6.7	4.9	4.8	4.1	17.4
Wisconsin	0.5	5.1	5.3	26.4	11.1	10.2	9.0	7.3	5.3	4.8	3.1	2.3	9.6
2017													
Idaho ¹	1.6	5.9	5.9	23.8	11.1	8.6	7.3	7.3	5.4	4.8	3.9	3.4	11.0
Minnesota	2.0	8.1	7.7	28.8	10.2	9.6	6.6	5.4	4.6	4.2	2.7	2.6	7.5
North Dakota	1.5	6.7	6.9	26.9	9.9	9.4	7.1	6.7	5.6	4.0	3.6	2.4	9.3
Oregon	1.5	4.1	4.0	17.4	7.8	7.1	8.3	6.4	10.2	5.2	4.7	3.9	19.4
Washington	0.9	3.0	3.9	19.8	10.0	8.8	9.1	6.9	8.9	5.3	4.1	3.6	15.7
Wisconsin	0.7	6.9	4.8	23.3	10.3	10.1	9.6	8.0	6.1	5.5	3.7	2.8	8.2

¹ Russets only.

Percent of Normal Precipitation (%)
10/1/2017 - 10/31/2017



Departure from Normal Temperature (F)
10/1/2017 - 10/31/2017



October Weather Summary

During October, late crop maturation and periods of heavy rain led to significant Midwestern corn harvest delays. By October 29, only 54 percent of the Nation's corn had been harvested, compared to the 5-year average of 72 percent. Producers fared better cutting soybeans, with 83 percent of the Nation's crop harvested by October 29.

Much of the eastern United States also received widespread rain, starting early in the month when the remnants of Hurricane Nate tracked from the central Gulf Coast into the Northeast. Later, back-to-back storms delivered heavy rain to the Northeast between October 24 and 30, eradicating drought concerns.

In contrast, minimal precipitation fell during October in several regions, including the mid-South and large sections of the northern and southern Plains. Although the dry weather favored fieldwork, winter wheat and cover crops had little moisture to support emergence and establishment. In South Dakota, a variety of factors that included drought and sudden cold left 53 percent of the winter wheat rated in very poor to poor condition on October 29, compared to the national value of 12 percent.

Meanwhile, dry October weather dominated the southern half of the western United States. When high winds arose across northern California on the night of October 8-9, a rash of devastating wildfires swept through several communities. Preliminary reports indicated that 43 lives were lost, along with nearly 9,000 structures and almost 250,000 acres of vegetation.

Elsewhere, an increase in precipitation accompanied chilly conditions from the Pacific Northwest to the northern High Plains. The Northwestern precipitation, which included some early-season snow, provided drought relief and boosted soil moisture in the wake of a hot, dry summer.

Significant temperature departures were mostly limited to the interior Northwest (as much as 4°F below normal) and areas from the eastern Corn Belt into the Northeast (at least 4 to 8°F above normal). In fact, record-setting October warmth was noted in parts of the Northeast. Warm weather also prevailed in the Desert Southwest.

October Agricultural Summary

Cooler than normal temperatures were recorded across the Rockies and Pacific Coast during the first half of the month. However, from October 22 until the end of the month, temperatures remained either normal or above normal, with parts of Arizona, California, and Nevada seeing temperatures 4 to 8 degrees above normal. The opposite was true for the lower Midwest and Southeast, with warmer than average temperatures recorded during the first week, before chilling to 12 degrees below average across Texas, Oklahoma, and the Gulf States by month's end. For most of October, the Nation experienced the usual amount of precipitation. Bands of rain during the first week slowed field work across the western Corn Belt and Hurricane Nate brought rain and damaging wind across the Gulf and Eastern States. Towards the end of the month, producers in the Midwest hurried to complete soybean and corn harvests before snow arrived.

Ninety-six percent of the 2017 corn crop was dented by October 1, four percentage points behind last year and 2 percentage points behind the 5-year average. Nationally, 68 percent of the corn crop was mature by October 1, sixteen percentage points behind last year and 10 percentage points behind the 5-year average. Producers had harvested 17 percent of the corn crop by October 1, six percentage points behind last year and 9 percentage points behind the 5-year average. Ninety percent of the corn crop was mature by October 15, six percentage points behind last year and 4 percentage points behind the 5-year average. Twenty-eight percent of this year's corn crop was harvested by October 15, sixteen percentage points behind last year and 19 percentage points behind the 5-year average. Fifty-four percent of this year's corn crop was harvested by October 29, still well behind the previous year's 73 percent and the 5-year average of 72 percent. Harvest progress was behind normal in all estimating States except Michigan, North Carolina, Tennessee, and Texas as of October 29. Overall, 66 percent of the corn crop was reported in good to excellent condition as of October 29, eight percentage points below the same time last year.

By October 1, sorghum coloring had advanced to 94 percent complete, 2 percentage points behind last year, but equal to the 5-year average. Nationwide, 60 percent of the sorghum crop was mature by October 1, ten percentage points behind last year and 3 percentage points behind the 5-year average. By October 1, thirty-four percent of the Nation's crop was harvested, 6 percentage points behind last year and 3 percentage points behind the 5-year average. By October 15, eighty-one percent of this year's sorghum crop was considered mature, 8 percentage points behind last year and slightly behind the 5-year average. Nationwide, sorghum producers had harvested 40 percent of the crop by October 15, sixteen percentage points behind last year and 10 percentage points behind the 5-year average. By October 29, ninety-six percent of this year's sorghum crop was considered mature, equal to last year but slightly ahead of the 5-year average. Sorghum producers had harvested 59 percent of the crop by October 29, sixteen percentage points behind last year and 10 percentage points behind the 5-year average. Most estimating States were at or behind their respective 5-year averages for harvesting by month's end, with only Missouri, New Mexico, and Texas ahead of their 5-year averages.

By October 1, producers had sown 36 percent of the Nation's 2018 winter wheat crop, 5 percentage points behind last year and 7 percentage points behind the 5-year average. Nationwide, 12 percent of the winter wheat crop was emerged by October 1, six percentage points behind last year and 4 percentage points behind the 5-year average. Emergence was at or behind the 5-year average in 14 of the 18 estimating States by October 1. Sixty percent of the 2018 winter wheat crop was sown by October 15, ten percentage points behind last year and 11 percentage points behind the 5-year average. Nationally, emergence had advanced to 37 percent complete by October 15, eight percentage points behind last year and 6 percentage points behind the 5-year average. Producers had sown 84 percent of the 2018 winter wheat crop by October 29, slightly behind last year and 3 percentage points behind the 5-year average. Idaho was the first State to complete planting this year. Nationwide, emergence advanced to 65 percent complete by October 29, four percentage points behind last year and 3 percentage points behind the 5-year average. Fifty-two percent of the crop was reported to be in good to excellent condition on October 29, six percentage points below the same time last year.

By October 1, rice producers had harvested 77 percent of this year's crop, 4 percentage points behind last year but 6 percentage points ahead of the 5-year average. By October 15, ninety-one percent of the rice crop was harvested, slightly behind last year but 4 percentage points ahead of the 5-year average. Harvest progress was at or ahead of the 5-year average in all estimating States, except California. By October 22, ninety-eight percent of the rice crop was harvested, 2 percentage points ahead of last year and 5 percentage points ahead of the 5-year average.

Eighty percent of the soybean crop was at or beyond the leaf dropping stage by October 1, slightly behind last year but 2 percentage points ahead of the 5-year average. Nationally, 22 percent of the soybean crop was harvested by October 1, two percentage points behind last year and 4 percentage points behind the 5-year average. Dry conditions east of the Mississippi River allowed the soybean harvest to advance 12 percentage points during the week ending October 1. By October 15, ninety-four percent of the soybean crop was at or beyond the leaf dropping stage, slightly behind last year but slightly ahead of the 5-year average. Soybean producers had harvested 49 percent of the Nation's crop by October 15, ten percentage points behind last year and 11 percentage points behind the 5-year average. Overall, 61 percent of the soybean crop was reported in good to excellent condition on October 15, thirteen percentage points lower than at the same time last year. By October 29, eighty-three percent of the Nation's crop was harvested, 2 percentage points behind last year and slightly behind the 5-year average.

By October 1, a quarter of the Nation's peanut crop was harvested, slightly behind last year but 4 percentage points ahead of the 5-year average. By October 8, thirty-nine percent of this year's peanut crop was harvested, slightly behind last year but 7 percentage points ahead of the 5-year average. During the week ending October 8, harvest progress advanced 21 percentage points in Alabama and 20 percentage points in Florida, but was much slower across the Southern Plains due to wet conditions. By October 15, fifty-one percent of the Nation's peanut crop was harvested, slightly behind last year but 5 percentage points ahead of the 5-year average. Overall, 70 percent of the peanut crop was reported in good to excellent condition on October 15, fourteen percentage points better than at the same time last year. By October 29, seventy-four percent of the Nation's peanut crop was harvested, 2 percentage points behind last year but slightly ahead of the 5-year average.

Bolls were opening across 67 percent of this year's cotton acreage by October 1, three percentage points behind both last year and the 5-year average. Nationally, harvest was 17 percent complete by October 1, two percentage points ahead of last year and 4 percentage points ahead of the 5-year average. Eighty-two percent of the cotton crop was at or beyond the

boll-opening stage by October 15, six percentage points behind last year and 4 percentage points behind the 5-year average. Nationally, producers had harvested 31 percent of the cotton crop by October 15, two percentage points ahead of last year and 5 percentage points ahead of the 5-year average. Ninety-three percent of the cotton crop was at or beyond the boll-opening stage by October 29, two percentage points behind both last year and the 5-year average. Nationally, producers had harvested 46 percent of the cotton crop by October 29, slightly ahead of both last year and the 5-year average. Overall, 55 percent of the cotton crop was reported in good to excellent condition as of October 29, six percentage points above the same time last year.

By October 1, sugarbeet producers had harvested 22 percent of this year's crop, 3 percentage points ahead of last year but slightly behind the 5-year average. Ninety-two percent of the sugarbeet crop in North Dakota was rated in good to excellent on October 1, compared with 62 percent at the same time last year. Producers had harvested 65 percent of the sugarbeet crop by October 15, six percentage points ahead of last year but equal to the 5-year average. In Minnesota and North Dakota, the sugarbeet harvest advanced by more than 25 percentage points during the week ending October 15. Producers had harvested 87 percent of the sugarbeet crop by October 29, two percentage points ahead of last year and slightly ahead of the 5-year average.

By October 8, six percent of this year's sunflower crop was harvested, 5 percentage points behind last year and 6 percentage points behind the 5-year average. By October 15, twelve percent of this year's sunflower crop was harvested, 16 percentage points behind last year and 12 percentage points behind the 5-year average. By October 29, fifty-three percent of this year's sunflower crop was harvested, 7 percentage points behind last year and slightly behind the 5-year average. As of October 29, harvest progress remained behind the 5-year average for all estimating States except North Dakota.

Crop Comments

Corn: Area harvested for grain is forecast at 83.1 million acres, unchanged from the previous forecast but down 4 percent from 2016.

The November 1 corn objective yield data indicate the third highest number of ears on record for the combined 10 objective yield States (Illinois, Indiana, Iowa, Kansas, Minnesota, Missouri, Nebraska, Ohio, South Dakota, and Wisconsin).

At 14.6 billion bushels, 2017 corn production is forecast to be the second highest production on record for the United States. The forecasted yield, at 175.4 bushels per acre, is expected to be the highest yield on record for the United States. Record yields are forecast for Alabama, Idaho, Kentucky, Louisiana, Michigan, Mississippi, Pennsylvania, South Carolina, and Tennessee.

Fifty-four percent of this year's corn crop was harvested by October 29, well behind the previous year's 73 percent harvested and 5-year average of 72 percent. Harvest progress was behind normal on October 29 in all estimating States except Michigan, North Carolina, Tennessee, and Texas. Overall, 66 percent of the corn crop was reported in good to excellent condition on October 29, eight percentage points below the same time last year.

Sorghum: Production is forecast at 356 million bushels, down 2 percent from the October forecast and down 26 percent from last year. Area harvested for grain is forecast at 5.05 million acres, unchanged from the previous forecast but down 18 percent from last year. Based on November 1 conditions, yield is forecast at 70.4 bushels per acre, 1.8 bushels lower than the October forecast and 7.5 bushels below the 2016 record high yield of 77.9 bushels per acre.

As of October 29, ninety-six percent of the crop was mature, slightly ahead of the five-year average. Fifty-nine percent of the crop had been harvested at that time, 16 percentage points behind the same time last year and 10 percentage points behind the five-year average pace.

Rice: Production is forecast at 178 million cwt, down less than 1 percent from the October forecast and down 20 percent from last year. If realized, production for 2017 would represent the lowest United States total since 1996. Harvested area

is expected to total 2.39 million acres, unchanged from the October forecast, but down 23 percent from last year. Based on conditions as of November 1, the average United States yield is forecast at 7,461 pounds per acre, down 8 pounds per acre from the October forecast, but 224 pounds per acre higher than the 2016 average yield of 7,237 pounds per acre. If realized, the expected yield in Missouri for 2017 will be a record high.

By October 22, ninety-eight percent of the rice acreage was harvested, 2 percentage points ahead the same time last year and 5 percentage points ahead of the five-year average pace. Harvest was complete in Louisiana and Texas, by that time, and only 1 percent of the acreage in Arkansas remained to be harvested.

Soybeans: Area for harvest in the United States is forecast at a record 89.5 million acres, unchanged from October but up 8 percent from 2016.

The November objective yield data for the combined 11 major soybean-producing States (Arkansas, Illinois, Indiana, Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, Ohio, and South Dakota) indicate a lower pod count from the previous year. Compared with final counts for 2016, pod counts are down in 8 of the 11 published States. A decrease of more than 200 pods per 18 square feet from 2016's final pod count is expected in Illinois, Nebraska, and South Dakota.

As of October 1, twenty-two percent of the United States soybean crop was harvested, 2 percentage points behind last year and 4 percentage points behind the 5-year average. By October 15, the soybean crop was 49 percent harvested, 10 percentage points behind last year and 11 percentage points behind the 5-year average. As of October 29, harvest was 83 percent complete Nationwide, 2 percentage points behind last year and slightly behind the 5-year average. At the end of October, harvest progress was ahead of the State 5-year average in Arkansas, Louisiana, Michigan, Mississippi, North Carolina, North Dakota, Ohio, and South Dakota.

If realized, the forecasted yield will be a record high in Alabama, Arkansas, Delaware, Kentucky, Maryland, Mississippi, Missouri, North Carolina, South Carolina, Tennessee, and Virginia.

Peanuts: Production is forecast at 7.64 billion pounds, down 2 percent from the October forecast but up 37 percent from the 2016 total of 5.58 billion pounds. If realized, production for the Nation will be the highest on record. Harvested area is expected to total 1.83 million acres, unchanged from the October forecast but up 19 percent from 2016. Based on conditions as of November 1, the United States average yield is forecast at 4,176 pounds per acre, down 81 pounds per acre from October, but up 542 pounds per acre from the 2016 average yield of 3,634 pounds per acre. If realized, the average United States yield will be the highest since 2012. Record high yields are forecast in Georgia, Mississippi, and South Carolina. If realized, production in Georgia and South Carolina will be the highest on record.

As of October 29, seventy-four percent of the 2017 peanut crop had been harvested, 2 percentage points behind last year but slightly ahead of the five-year average.

Cotton: Upland cotton harvested area is expected to total 11.2 million acres, unchanged from October but up 20 percent from last year. Pima cotton harvested area, estimated at 242,200 acres, was carried forward from an earlier forecast.

As of October 29, fifty-five percent of the cotton acreage was rated in good to excellent condition, compared with 49 percent at the same time last year. Acreage rated in good to excellent condition dropped 2 percentage points from the week ending October 1, as condition ratings declined during the month in Texas, the largest cotton-producing State, by 6 percentage points. Conditions also declined during the month in Arizona, Kansas, and South Carolina. Ninety-three percent of the crop had open bolls by October 29, two percentage points behind both last year and the 5-year average.

Harvest progress reached 46 percent complete by October 29, slightly ahead of both last year and the 5-year average. Harvest progress in North Carolina, South Carolina, and Virginia was more than 17 percentage points ahead of both last year and the 5-year average.

If realized, the forecasted yield for Upland cotton in Arkansas, Florida, and Missouri will be a record high.

Ginnings totaled 4,964,250 running bales prior to November 1, compared with 5,015,650 running bales ginned prior to the same date last year.

Sugarbeets: Production of sugarbeets for the 2017 crop year is forecast at 36.0 million tons, down 2 percent from last year. Producers expect to harvest 1.11 million acres, down 1 percent from last year. Yield is forecast at 32.4 tons per acre, a 0.3 ton decrease from last year.

Michigan's sugarbeet harvest was in full swing, although October rains impacted progress. The reported yields are below average, but the sugar content is above average. Harvest was nearly complete in both Montana and Wyoming. Harvest neared 90 percent completion in Nebraska and Colorado. Planting of California's crop was finishing up.

Sugarcane: Production of sugarcane for sugar and seed in 2017 is forecast at 32.2 million tons, up slightly from last year. Producers intend to harvest 895,200 acres for sugar and seed during the 2017 crop year, down 1 percent from last year. Yield for sugar and seed is forecast at 36.0 tons per acre, up 0.4 ton from 2016.

Louisiana weather conditions were reported as excellent and sugar recoveries were high. Reported yields continued to be above average. Rains during October caused some lodging.

Fall potatoes: Production of fall potatoes for 2017 is forecast at 399 million cwt, down 2 percent from last year. Area harvested, at 900,600 acres, is down 1 percent from the previous year. The average yield forecast, at 443 cwt per acre, is down 4 cwt from last year's record high yield.

In Idaho, growers reported some flooding and cool weather occurred earlier in the spring, causing delays in planting progress. As of October 29, ninety-six percent of the crop had been harvested. North Dakota planting was complete by June 11 and digging began in late August. Harvest was virtually complete by October 22. As of October 29, harvest in Washington and Oregon was 95 and 93 percent completed, respectively.

Grapefruit: The United States 2017-2018 grapefruit crop is forecast at 578,000 tons, down 2 percent from last month and 15 percent below last season's final utilization. In Florida, expected production, at 4.65 million boxes (198,000 tons), is down 5 percent from last month and down 40 percent from last year. California and Texas grapefruit production forecasts were carried forward from the previous month.

Tangerines and mandarins: The United States tangerine and mandarin crop is forecast at 965,000 tons, down slightly from last month and down 7 percent from last season's final utilization. The Florida forecast, at 950,000 boxes (45,000 tons), is down 5 percent from last month and down 41 percent from 2016-2017. The California tangerine and mandarin forecasts were carried forward from the previous month.

Florida citrus: Daily temperatures across the citrus region were reported as average all month, with highs ranging from the high-70s to lower-90s. Toward the end of the month, Tropical Storm Philippe passed quickly over the southern tip of the State, dropping between two and four inches of rain over those two days. The Southern area and Indian River District had the most rainfall for the month with several counties receiving between five and ten inches of rainfall. Most other counties had less than three inches for the month. According to the October 26, 2017, U.S. Drought Monitor, the complete citrus growing region was drought free.

Hurricane Irma clean-up continued in some Southern area citrus groves. Caretakers in groves that were hard hit were still pushing dead or severely damaged trees affected by the storm. Irrigation was being run in areas where rainfall amounts had been less than average. Grove operations included spraying for psyllids, fertilizing, herbiciding, mowing, limited topping and hedging, and general grove maintenance. Harvesting primarily for the fresh market included Fallglo tangerines; Ambersweet, Navel, Hamlin and Early Gold oranges; and red and white grapefruit. A couple of processing plants were open to take packinghouse eliminations and field run fruit in very small amounts.

California citrus: Citrus packing houses were getting ready for the new Navel orange season. Early Navel oranges were being picked and tested for maturity. Lemons were harvested and packed. Some orange groves were pushed out to make way for new plantings. Citrus orchards were being skirted and trimmed for the coming season. Finger lime harvest began

around mid-month. Melogold grapefruit and limes were being harvested, packed, and shipped to foreign and domestic markets.

California noncitrus fruits and nuts: Stone fruit harvest slowed down as the season drew to a close during the month. Gypsum and potash were applied to harvested stone fruit orchards. Peaches, nectarines, and plums continued to be picked and shipped to both domestic and foreign markets. Some wine, table, and raisin grapes were harvested. Finished raisin trays were rolled up for pickup. The majority of the Napa and Sonoma County wine grapes had been harvested by mid-month. Several winery buildings were burned in Sonoma County. Asian pears, pears, figs, and pomegranates were harvested and shipped throughout the month. Kiwifruit harvest began and was ramping up for the season by mid-month. Persimmons continued to gain size and coloring, with harvest beginning later in the month. Cooler weather was helping with external color. Apples were harvested. Olive harvest was underway and a heavy crop was reported by some. Dates were being harvested, with completion expected by the end of November. The almond harvest was winding down across the State and it was all but finished for the season by the end of the month. Walnut harvest was underway. Pistachio harvest continued.

Statistical Methodology

Field crop survey procedures: Objective yield and farm operator surveys were conducted between October 25 and November 6 to gather information on expected yield as of November 1. The objective yield surveys for corn, cotton, and soybeans were conducted in the major producing States that usually account for about 75 percent of the United States production. Randomly selected plots were revisited to make current counts. The counts made within each sample plot depend on the crop and the maturity of that crop. In all cases, plant counts are recorded along with other measurements that provide information to forecast the number of ears, bolls, or pods and their weight. The counts are used with similar data from previous years to develop a projected biological yield. The average harvesting loss is subtracted to obtain a net yield. The plots are revisited each month until crop maturity when the fruit is harvested and weighed. After the farm operator has harvested the sample field, another plot is sampled to obtain current year harvesting loss.

The farm operator survey was conducted primarily by telephone with some use of mail, internet, and personal interviewers. Approximately 8,700 producers were interviewed during the survey period and asked questions about probable yield.

Orange survey procedures: The orange objective yield survey for the November 1 forecast was conducted in Florida, which produced about 60 percent of the United States production last season. In August and September 2017, the number of bearing trees and the number of fruit per tree were determined. In August and subsequent months, fruit size measurement and fruit droppage surveys are conducted to develop the current forecast of production. California and Texas conduct grower and packer surveys on a quarterly basis in October, January, April, and July. California conducts an objective measurement survey in September for Navel oranges and in March for Valencia oranges.

Field crop estimating procedures: National and State level objective yield and grower reported data were reviewed for reasonableness and consistency with historical estimates. The survey data were also reviewed considering weather patterns and crop progress compared to previous months and previous years. Each Regional Field Office submits their analysis of the current situation to the Agricultural Statistics Board (ASB). The ASB uses the survey data and the State analyses to prepare the published November 1 forecasts.

Orange estimating procedures: State level objective yield estimates for Florida oranges were reviewed for errors, reasonableness, and consistency with historical estimates. The Florida Field Office submits its analysis of the current situation to the Agricultural Statistics Board (ASB). The ASB uses the Florida survey data and their analyses to prepare the published November 1 forecast. Reports from growers and packers in California and Texas were also used for setting estimates. The November 1 orange production forecasts for these two States are carried forward from October.

Revision policy: The November 1 production forecast will not be revised; instead, a new forecast will be made each month throughout the growing season. End-of-season estimates are made after harvest. At the end of the marketing season, a balance sheet is calculated using carryover stocks, production, exports, millings, feeding, and ending stocks. Revisions are then made if the balance sheet relationships or other administrative data warrant changes. Estimates of planted acres for spring planted crops are subject to revision in the August *Crop Production* report if conditions altered the planting intentions since the mid-year survey. Current year, planted acres may also be revised for cotton, peanuts, and rice in the September *Crop Production* report each year; spring wheat, Durum wheat, barley, and oats only in the *Small Grains Summary* report at the end of September; and all other spring planted crops in the October *Crop Production* report. Revisions to planted acres will only be made when either special survey data, administrative data, such as Farm Service Agency program "sign up" data, or remote sensing data are available. Harvested acres may be revised any time a production forecast is made if there is strong evidence that the intended harvested area has changed since the last forecast. End-of-season orange estimates will be published in August's *Citrus Fruits Summary*. The orange production estimates are based on all data available at the end of the marketing season, including information from marketing orders, shipments, and processor records. Allowances are made for recorded local utilization and home use.

Reliability: To assist users in evaluating the reliability of the November 1 production forecast, the "Root Mean Square Error," a statistical measure based on past performance, is computed. The deviation between the November 1 production forecast and the final estimate is expressed as a percentage of the final estimate. The average of the squared percentage deviations for the latest 20-year period is computed. The square root of the average becomes statistically the "Root Mean

Square Error." Probability statements can be made concerning expected differences in the current forecast relative to the final end-of-season estimate, assuming that factors affecting this year's forecast are not different from those influencing recent years. For example, the "Root Mean Square Error" for the November 1 corn for grain production forecast is 1.1 percent. This means that chances are 2 out of 3 that the current production forecast will not be above or below the final estimate by more than 1.1 percent. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 1.8 percent.

Also, shown in the following table is a 20-year record for selected crops of the differences between the November 1 forecast and the final estimate. Using corn again as an example, changes between the November 1 forecast and the final estimate during the last 20 years have averaged 102 million bushels, ranging from 4 million bushels to 214 million bushels. The November 1 forecast has been below the final estimate 6 times and above 14 times. This does not imply that the November 1 corn forecast this year is likely to understate or overstate final production.

Reliability of November 1 Crop Production Forecasts

[Based on data for the past twenty years]

Crop	Root mean square error	90 percent confidence interval	Difference between forecast and final estimate				
			Production			Years	
			Average	Smallest	Largest	Below final	Above final
	(percent)	(percent)	(millions)	(millions)	(millions)	(number)	(number)
Corn for grain bushels	1.1	1.8	102	4	214	6	14
Fall potatoes cwt	1.1	1.9	4	1	8	11	9
Rice cwt	1.7	2.9	3	(Z)	11	15	5
Sorghum for grain bushels	5.0	8.6	14	1	33	9	11
Soybeans for beans bushels	1.6	2.8	43	2	100	9	11
Upland cotton ¹ bales	3.1	5.4	413	45	1,001	9	11

(Z) Less than half of the unit shown.

¹ Quantity is in thousands of units.

USDA, National Agricultural Statistics Service Information Contacts

Listed below are the commodity statisticians in the Crops Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov

Lance Honig, Chief, Crops Branch.....	(202) 720-2127
Anthony Prillaman, Head, Field Crops Section.....	(202) 720-2127
Chris Hawthorn – Corn, Flaxseed, Proso Millet.....	(202) 720-9526
James Johanson – County Estimates, Hay.....	(202) 690-8533
Jeff Lemmons – Oats, Soybeans.....	(202) 690-3234
Sammy Neal – Peanuts, Rice.....	(202) 720-7688
Joshua O’Rear – Crop Weather, Barley.....	(202) 720-7621
Jean Porter – Rye, Wheat.....	(202) 720-8068
Bianca Pruneda – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-5944
Travis Thorson – Sunflower, Other Oilseeds.....	(202) 720-7369
Jorge Garcia-Pratts, Head, Fruits, Vegetables and Special Crops Section.....	(202) 720-2127
Vincent Davis – Bananas, Cherries, Garlic, Lettuce, Mint, Papaya, Pears, Strawberries, Taro, Tomatoes.....	(202) 720-2157
Fleming Gibson – Avocados, Cauliflower, Celery, Citrus, Coffee, Dates, Figs, Kiwifruit, Nectarines, Olives, Watermelons.....	(202) 720-5412
Greg Lemmons – Blackberries, Blueberries, Boysenberries, Cranberries, Cucumbers, Potatoes, Pumpkins, Raspberries, Squash, Sugarbeets, Sugarcane, Sweet Potatoes.....	(202) 720-4285
Dan Norris – Artichokes, Austrian Winter Peas, Cantaloupes, Dry Beans, Dry Edible Peas, Honeydews, Lentils, Mushrooms, Peaches, Snap Beans.....	(202) 720-3250
Daphne Schaubert – Bell Peppers, Broccoli, Cabbage, Chile Peppers, Floriculture, Grapes, Hops, Maple Syrup, Tree Nuts, Spinach.....	(202) 720-4215
Chris Singh – Apples, Apricots, Asparagus, Carrots, Lima Beans, Onions, Plums, Prunes, Sweet Corn, Tobacco.....	(202) 720-4288

Access to NASS Reports

For your convenience, you may access NASS reports and products the following ways:

- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@nass.usda.gov.

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