



# Crop Production

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## **Corn Production Down Less Than 1 Percent from October Forecast Soybean Production Down 3 Percent Cotton Production Down Less Than 1 Percent**

**Corn** production for grain is forecast at 15.1 billion bushels, down less than 1 percent from the previous forecast and down 1 percent from 2023. Based on conditions as of November 1, yields are expected to average a record high 183.1 bushels per harvested acre, down 0.7 bushel from the previous forecast but up 5.8 bushels from last year. Area harvested for grain is forecast at 82.7 million acres, unchanged from the previous forecast but down 4 percent from the previous year.

**Soybean** production for beans is forecast at 4.46 billion bushels, down 3 percent from the previous forecast but up 7 percent from 2023. Based on conditions as of November 1, yields are expected to average 51.7 bushels per acre, down 1.4 bushels from the previous forecast but up 1.1 bushels from 2023. Area harvested for beans in the United States is forecast at 86.3 million acres, unchanged from the previous forecast but up 5 percent from 2023.

**All cotton** production is forecast at 14.2 million 480-pound bales, down slightly from the previous forecast but up 18 percent from 2023. Based on conditions as of November 1, yields are expected to average 789 pounds per harvested acre, unchanged from the previous forecast but down 110 pounds from 2023. Upland cotton production is forecast at 13.7 million 480-pound bales, up less than 1 percent from the previous forecast and up 17 percent from 2023. Pima cotton production is forecast at 481,000 bales, down 7 percent from the previous forecast but up 52 percent from 2023.

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This report was approved on November 8, 2024.



Secretary of Agriculture  
Designate  
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Agricultural Statistics Board  
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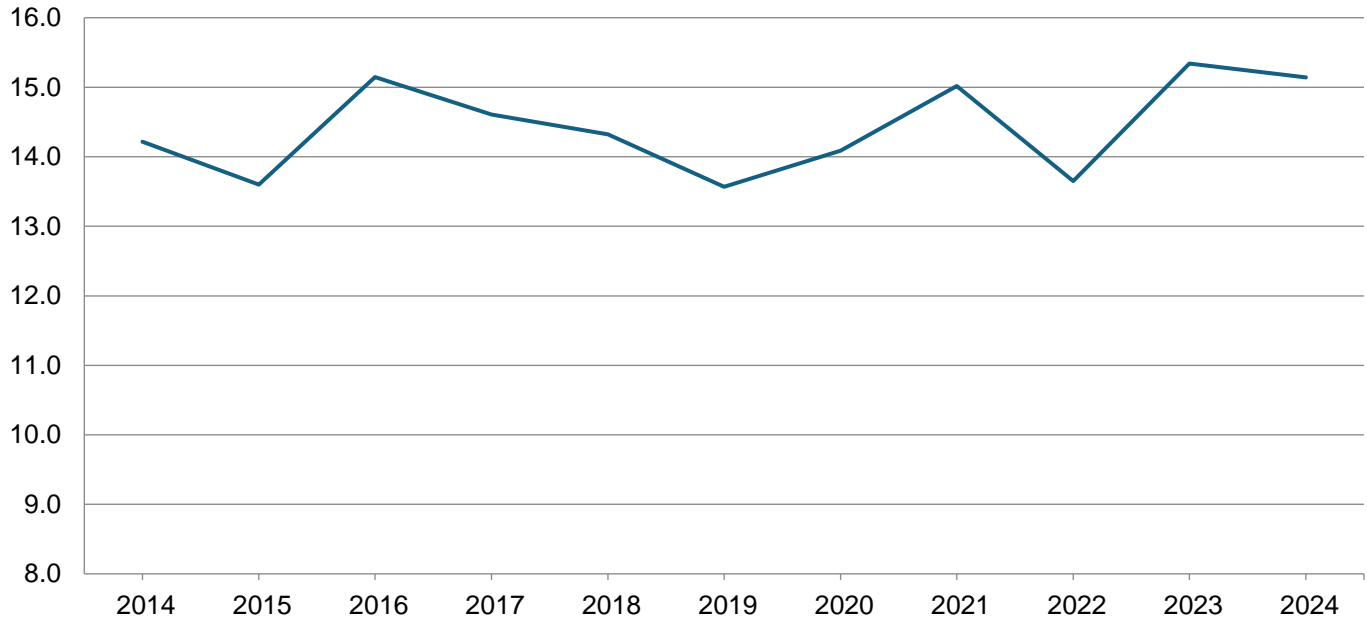
**Corn for Grain Area Harvested, Yield, and Production – States and United States: 2023 and Forecasted November 1, 2024**

State	Area harvested		Yield per acre			Production	
	2023	2024	2023	2024		2023	2024
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)
Alabama .....	320	270	164.0	100.0	100.0	52,480	27,000
Arkansas .....	830	485	183.0	186.0	186.0	151,890	90,210
Colorado .....	1,015	1,175	122.0	126.0	118.0	123,830	138,650
Delaware .....	172	162	189.0	160.0	155.0	32,508	25,110
Georgia .....	440	340	174.0	149.0	142.0	76,560	48,280
Idaho .....	115	125	203.0	215.0	207.0	23,345	25,875
Illinois .....	11,050	10,650	206.0	222.0	218.0	2,276,300	2,321,700
Indiana .....	5,310	5,060	203.0	202.0	209.0	1,077,930	1,057,540
Iowa .....	12,550	12,350	201.0	214.0	213.0	2,522,550	2,630,550
Kansas .....	5,150	5,800	119.0	138.0	138.0	612,850	800,400
Kentucky .....	1,500	1,280	187.0	186.0	180.0	280,500	230,400
Louisiana .....	680	445	175.0	189.0	189.0	119,000	84,105
Maryland .....	440	405	165.0	133.0	130.0	72,600	52,650
Michigan .....	2,060	1,900	168.0	179.0	179.0	346,080	340,100
Minnesota .....	8,180	7,650	185.0	183.0	183.0	1,513,300	1,399,950
Mississippi .....	770	475	181.0	187.0	187.0	139,370	88,825
Missouri .....	3,670	3,260	153.0	185.0	182.0	561,510	593,320
Nebraska .....	9,500	9,700	182.0	196.0	194.0	1,729,000	1,881,800
New York .....	600	570	159.0	168.0	164.0	95,400	93,480
North Carolina .....	900	840	147.0	88.0	86.0	132,300	72,240
North Dakota .....	3,800	3,640	143.0	144.0	149.0	543,400	542,360
Ohio .....	3,400	3,170	198.0	183.0	185.0	673,200	586,450
Oklahoma .....	340	390	149.0	136.0	130.0	50,660	50,700
Pennsylvania .....	680	675	157.0	139.0	139.0	106,760	93,825
South Carolina .....	350	325	150.0	95.0	90.0	52,500	29,250
South Dakota .....	5,620	5,260	152.0	163.0	166.0	854,240	873,160
Tennessee .....	890	660	173.0	153.0	153.0	153,970	100,980
Texas .....	2,100	1,780	122.0	121.0	112.0	256,200	199,360
Virginia .....	370	350	157.0	103.0	95.0	58,090	33,250
Washington .....	75	89	240.0	235.0	235.0	18,000	20,915
Wisconsin .....	3,140	2,940	176.0	182.0	181.0	552,640	532,140
Other States <sup>1</sup> .....	489	489	166.8	159.9	159.9	81,557	78,174
United States .....	86,506	82,710	177.3	183.8	183.1	15,340,520	15,142,749

<sup>1</sup> Other States include Arizona, California, Florida, Montana, New Jersey, New Mexico, Oregon, Utah, West Virginia, and Wyoming. Individual State level estimates will be published in the *Crop Production 2024 Summary*.

# Corn Production – United States

Billion bushels



## Sorghum for Grain Area Harvested, Yield, and Production – States and United States: 2023 and Forecasted November 1, 2024

State	Area harvested		Yield per acre			Production	
	2023	2024	2023	2024		2023	2024
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)
Colorado .....	460	430	32.0	36.0	40.0	14,720	17,200
Kansas .....	3,250	2,700	52.0	61.0	65.0	169,000	175,500
Nebraska .....	225	230	73.0	82.0	95.0	16,425	21,850
Oklahoma .....	350	285	47.0	38.0	37.0	16,450	10,545
South Dakota .....	280	280	90.0	78.0	86.0	25,200	24,080
Texas .....	1,550	1,350	49.0	54.0	53.0	75,950	71,550
United States .....	6,115	5,275	52.0	57.7	60.8	317,745	320,725

## Rice Area Harvested, Yield, and Production – States and United States: 2023 and Forecasted November 1, 2024

State	Area harvested		Yield per acre			Production <sup>1</sup>	
	2023	2024	2023	2024		2023	2024
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)
Arkansas .....	1,417	1,431	7,550	7,600	7,600	106,968	108,756
California .....	512	485	8,590	8,650	8,650	43,971	41,953
Louisiana .....	462	466	6,800	6,650	6,650	31,431	30,989
Mississippi .....	120	156	7,470	7,500	7,500	8,964	11,700
Missouri .....	200	214	7,990	7,700	7,700	15,985	16,478
Texas .....	143	144	7,670	6,900	6,900	10,972	9,936
United States .....	2,854	2,896	7,649	7,590	7,590	218,291	219,812

<sup>1</sup> Includes sweet rice production.

## Rice Production by Class – United States: 2023 and Forecasted November 1, 2024

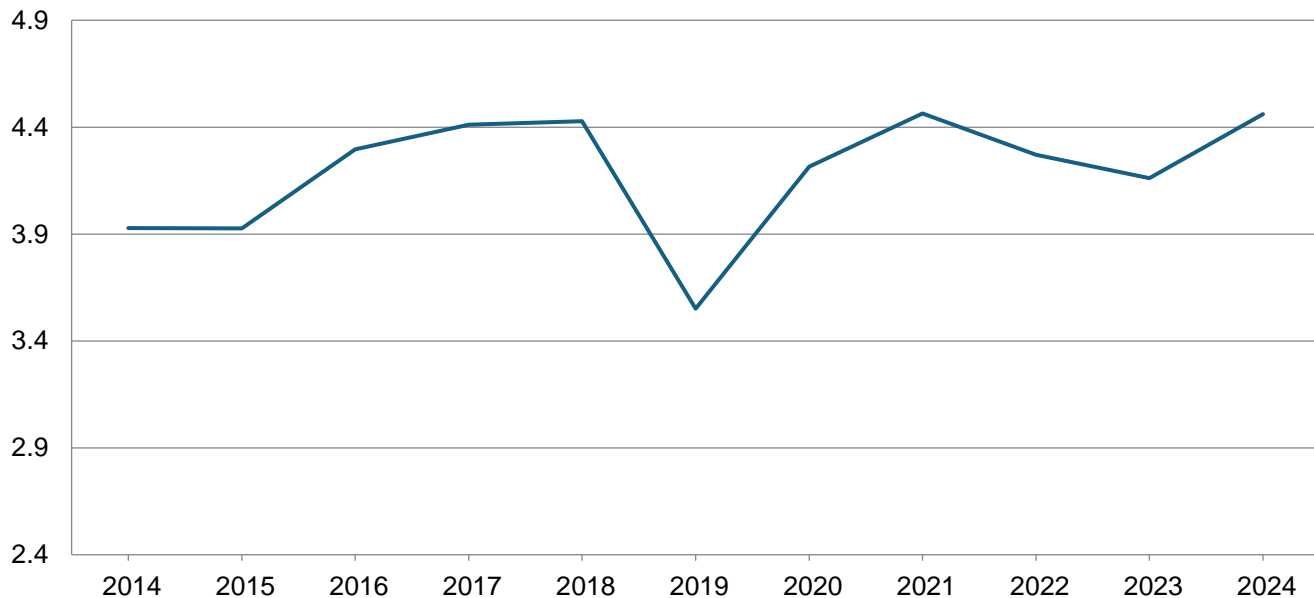
Year	Long grain	Medium grain	Short grain <sup>1</sup>	All
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
2023 .....	153,871	63,217	1,203	218,291
2024 <sup>2</sup> .....	166,808	51,481	1,523	219,812

<sup>1</sup> Sweet rice production included with short grain.

<sup>2</sup> The 2024 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: 2023 and Forecasted November 1, 2024**

State	Area harvested		Yield per acre			Production	
	2023	2024	2023	2024		2023	2024
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)
Alabama .....	340	355	43.0	31.0	28.0	14,620	9,940
Arkansas .....	2,950	3,020	54.0	55.0	55.0	159,300	166,100
Delaware .....	148	153	46.0	40.0	42.0	6,808	6,426
Georgia .....	155	165	43.0	39.0	40.0	6,665	6,600
Illinois .....	10,300	10,750	63.0	67.0	65.0	648,900	698,750
Indiana .....	5,480	5,780	61.0	60.0	62.0	334,280	358,360
Iowa .....	9,880	9,970	58.0	64.0	61.0	573,040	608,170
Kansas .....	3,980	4,480	26.0	39.0	38.0	103,480	170,240
Kentucky .....	1,820	2,040	55.0	51.0	48.0	100,100	97,920
Louisiana .....	980	1,060	40.0	52.0	52.0	39,200	55,120
Maryland .....	460	485	47.0	46.0	43.0	21,620	20,855
Michigan .....	2,020	2,180	46.0	52.0	51.0	92,920	111,180
Minnesota .....	7,280	7,330	48.0	48.0	46.0	349,440	337,180
Mississippi .....	2,130	2,270	56.0	58.0	56.0	119,280	127,120
Missouri .....	5,520	5,830	48.0	51.0	47.0	264,960	274,010
Nebraska .....	5,180	5,250	51.5	59.0	59.0	266,770	309,750
New Jersey .....	98	103	43.0	38.0	38.0	4,214	3,914
New York .....	340	365	51.0	55.0	55.0	17,340	20,075
North Carolina .....	1,620	1,620	38.5	37.0	38.0	62,370	61,560
North Dakota .....	6,160	6,600	35.5	38.0	38.0	218,680	250,800
Ohio .....	4,730	5,030	58.0	52.0	52.0	274,340	261,560
Oklahoma .....	400	455	26.0	25.0	20.0	10,400	9,100
Pennsylvania .....	560	600	47.0	41.0	43.0	26,320	25,800
South Carolina .....	385	380	39.0	38.0	35.0	15,015	13,300
South Dakota .....	5,070	5,400	44.0	47.0	45.0	223,080	243,000
Tennessee .....	1,570	1,800	51.0	47.0	45.0	80,070	81,000
Texas .....	85	80	25.0	40.0	40.0	2,125	3,200
Virginia .....	570	600	38.0	44.0	44.0	21,660	26,400
Wisconsin .....	2,060	2,120	51.0	53.0	49.0	105,060	103,880
United States .....	82,271	86,271	50.6	53.1	51.7	4,162,057	4,461,310



**Peanut Area Harvested, Yield, and Production – States and United States: 2023 and Forecasted November 1, 2024**

State	Area harvested		Yield per acre			Production	
	2023	2024	2023	2024		2023	2024
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)
Alabama .....	171.0	186.0	2,760	3,300	3,200	471,960	595,200
Arkansas .....	34.0	44.0	5,800	5,300	5,300	197,200	233,200
Florida .....	152.0	161.0	3,440	3,700	3,700	522,880	595,700
Georgia .....	769.0	845.0	4,080	3,800	3,900	3,137,520	3,295,500
Mississippi .....	16.0	25.0	3,600	3,800	3,800	57,600	95,000
Missouri <sup>1</sup> .....	(NA)	22.0	(NA)	5,000	5,000	(NA)	110,000
New Mexico <sup>2</sup> .....	9.0	(NA)	2,000	(NA)	(NA)	18,000	(NA)
North Carolina .....	123.0	129.0	4,200	4,200	4,200	516,600	541,800
Oklahoma .....	15.0	17.0	3,880	3,700	3,700	58,200	62,900
South Carolina .....	74.0	80.0	4,050	3,900	4,000	299,700	320,000
Texas .....	165.0	210.0	2,780	2,500	2,500	458,700	525,000
Virginia .....	29.0	30.0	4,800	4,700	4,600	139,200	138,000
United States .....	1,557.0	1,749.0	3,775	3,683	3,723	5,877,560	6,512,300

(NA) Not available.

<sup>1</sup> Estimates began in 2024.

<sup>2</sup> Estimates discontinued in 2024.

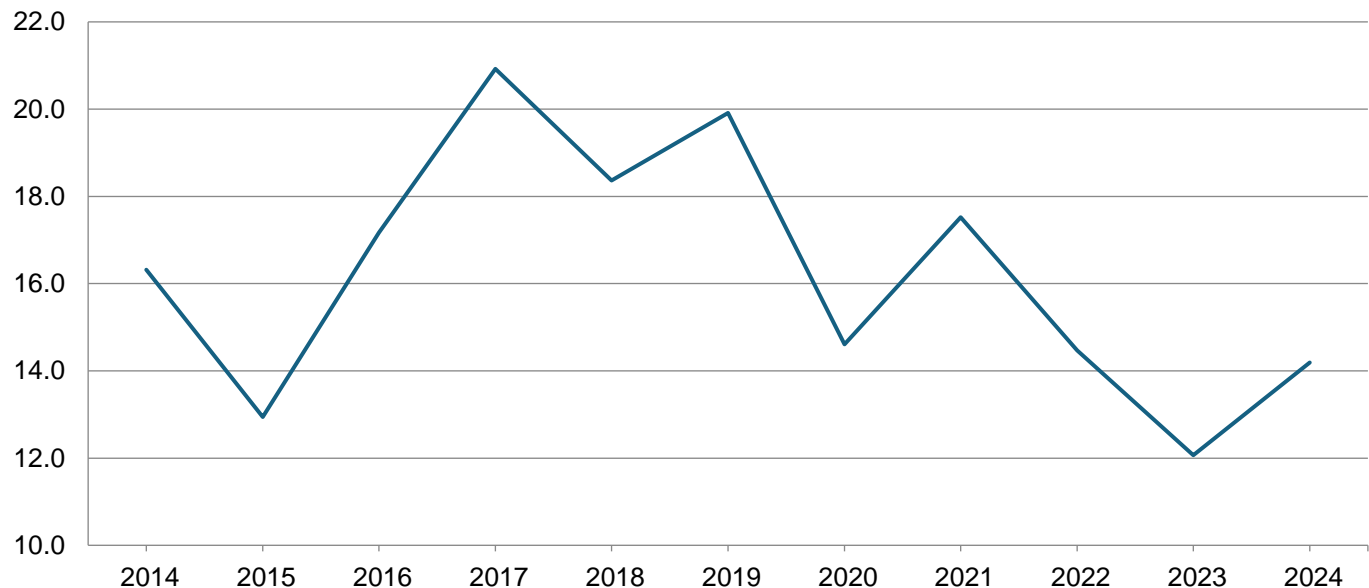
**Cottonseed Production – United States: 2023 and Forecasted November 1, 2024**

State	Production	
	2023	2024 <sup>1</sup>
	(1,000 tons)	(1,000 tons)
United States .....	3,644.0	4,335.0

<sup>1</sup> 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: 2023 and Forecasted November 1, 2024**

Type and State	Area harvested		Yield per acre			Production <sup>1</sup>	
	2023	2024	2023	2024		2023	2024
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(pounds)	(pounds)	(pounds)	(1,000 bales) <sup>2</sup>	(1,000 bales) <sup>2</sup>
<b>Upland</b>							
Alabama .....	374.0	395.0	937	851	814	730.0	670.0
Arizona .....	75.0	95.0	1,331	1,516	1,491	208.0	295.0
Arkansas .....	505.0	640.0	1,295	1,200	1,200	1,362.0	1,600.0
California .....	12.8	21.6	2,025	2,000	1,778	54.0	80.0
Florida .....	87.0	84.0	612	629	629	111.0	110.0
Georgia .....	1,100.0	1,090.0	949	727	815	2,175.0	1,850.0
Kansas .....	94.0	120.0	761	760	760	149.0	190.0
Louisiana .....	115.0	150.0	872	960	992	209.0	310.0
Mississippi .....	395.0	515.0	1,083	1,118	1,118	891.0	1,200.0
Missouri .....	330.0	380.0	1,361	1,238	1,263	936.0	1,000.0
New Mexico .....	17.0	27.0	649	711	889	23.0	50.0
North Carolina .....	370.0	400.0	933	840	876	719.0	730.0
Oklahoma .....	180.0	315.0	560	442	457	210.0	300.0
South Carolina .....	207.0	220.0	937	818	818	404.0	375.0
Tennessee .....	260.0	250.0	1,250	1,094	1,075	677.0	560.0
Texas .....	2,100.0	3,650.0	618	579	552	2,705.0	4,200.0
Virginia .....	80.0	90.0	1,122	1,013	1,013	187.0	190.0
United States .....	6,301.8	8,442.6	895	778	779	11,750.0	13,710.0
<b>American Pima</b>							
Arizona .....	16.0	14.0	900	891	891	30.0	26.0
California .....	82.0	135.0	1,346	1,511	1,412	230.0	397.0
New Mexico .....	16.8	14.0	800	686	617	28.0	18.0
Texas .....	23.0	29.0	584	745	662	28.0	40.0
United States .....	137.8	192.0	1,101	1,290	1,203	316.0	481.0
<b>All</b>							
Alabama .....	374.0	395.0	937	851	814	730.0	670.0
Arizona .....	91.0	109.0	1,255	1,436	1,414	238.0	321.0
Arkansas .....	505.0	640.0	1,295	1,200	1,200	1,362.0	1,600.0
California .....	94.8	156.6	1,438	1,579	1,462	284.0	477.0
Florida .....	87.0	84.0	612	629	629	111.0	110.0
Georgia .....	1,100.0	1,090.0	949	727	815	2,175.0	1,850.0
Kansas .....	94.0	120.0	761	760	760	149.0	190.0
Louisiana .....	115.0	150.0	872	960	992	209.0	310.0
Mississippi .....	395.0	515.0	1,083	1,118	1,118	891.0	1,200.0
Missouri .....	330.0	380.0	1,361	1,238	1,263	936.0	1,000.0
New Mexico .....	33.8	41.0	724	702	796	51.0	68.0
North Carolina .....	370.0	400.0	933	840	876	719.0	730.0
Oklahoma .....	180.0	315.0	560	442	457	210.0	300.0
South Carolina .....	207.0	220.0	937	818	818	404.0	375.0
Tennessee .....	260.0	250.0	1,250	1,094	1,075	677.0	560.0
Texas .....	2,123.0	3,679.0	618	580	553	2,733.0	4,240.0
Virginia .....	80.0	90.0	1,122	1,013	1,013	187.0	190.0
United States .....	6,439.6	8,634.6	899	789	789	12,066.0	14,191.0

<sup>1</sup> Production ginned and to be ginned.

<sup>2</sup> 480-pound net weight bale.

## Sugarbeet Area Harvested, Yield, and Production – States and United States: 2023 and Forecasted November 1, 2024

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

State	Area harvested		Yield per acre			Production	
	2023	2024	2023	2024		2023	2024
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)	(1,000 tons)	(1,000 tons)
California <sup>1</sup> .....	22.6	22.6	48.8	48.8	48.8	1,103	1,103
Colorado .....	21.3	23.5	28.3	32.8	33.5	603	787
Idaho .....	174.0	169.0	40.0	39.2	39.7	6,960	6,709
Michigan .....	132.0	134.0	33.9	33.4	31.0	4,475	4,154
Minnesota .....	438.0	401.0	28.7	30.9	29.9	12,571	11,990
Montana .....	23.3	24.0	31.6	32.5	32.4	736	778
Nebraska .....	46.6	46.7	28.6	31.2	31.4	1,333	1,466
North Dakota .....	228.0	211.0	26.8	30.7	31.6	6,110	6,668
Oregon .....	10.7	10.4	36.4	37.3	40.1	389	417
Washington .....	2.0	1.9	49.7	48.8	49.4	99	94
Wyoming .....	28.8	31.0	29.4	32.6	33.4	847	1,035
United States .....	1,127.3	1,075.1	31.2	33.1	32.7	35,226	35,201

<sup>1</sup> Relates to year of planting for overwintered beets in southern California.

## Sugarcane for Sugar and Seed Area Harvested, Yield, and Production – States and United States: 2023 and Forecasted November 1, 2024

State	Area harvested		Yield per acre <sup>1</sup>			Production <sup>1</sup>	
	2023	2024	2023	2024		2023	2024
				October 1	November 1		
	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)	(1,000 tons)	(1,000 tons)
Florida .....	407.6	404.0	44.6	46.1	46.1	18,187	18,624
Louisiana .....	505.5	520.0	30.1	32.2	32.0	15,208	16,640
Texas <sup>2</sup> .....	16.5	(NA)	22.5	(NA)	(NA)	371	(NA)
United States .....	929.6	924.0	36.3	38.3	38.2	33,766	35,264

(NA) Not available.

<sup>1</sup> Net tons.

<sup>2</sup> Estimates discontinued in 2024.

## Potato Area Planted and Harvested – States and United States: 2023 and 2024

[Includes updates to planted and harvested area previously published]

State	Area planted		Area harvested	
	2023	2024	2023	2024 <sup>1</sup>
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
California .....	23.0	21.0	22.8	20.9
Colorado .....	55.0	54.0	54.8	53.8
Florida .....	20.0	17.0	19.8	16.8
Idaho .....	330.0	315.0	329.5	314.5
Maine .....	53.0	54.0	52.5	53.7
Michigan .....	50.0	51.0	49.0	50.5
Minnesota .....	46.0	43.0	45.7	42.5
Nebraska .....	22.0	21.0	21.9	20.9
North Dakota .....	76.0	73.0	75.5	72.5
Oregon .....	43.0	42.0	43.0	42.0
Texas .....	15.0	15.0	14.6	14.5
Washington .....	165.0	155.0	164.5	154.5
Wisconsin .....	68.0	67.0	67.5	66.0
United States .....	966.0	928.0	961.1	923.1

<sup>1</sup> Forecasted.

## Potato Area Harvested, Yield, and Production – States and United States: 2023 and Forecasted November 1, 2024

State	Area harvested		Yield per acre		Production	
	2023	2024	2023	2024	2023	2024
	(1,000 acres)	(1,000 acres)	(cwt)	(cwt)	(1,000 cwt)	(1,000 cwt)
California .....	22.8	20.9	435	430	9,918	8,987
Colorado .....	54.8	53.8	385	395	21,098	21,251
Florida .....	19.8	16.8	300	245	5,940	4,116
Idaho .....	329.5	314.5	435	430	143,333	135,235
Maine .....	52.5	53.7	320	340	16,800	18,258
Michigan .....	49.0	50.5	440	440	21,560	22,220
Minnesota .....	45.7	42.5	415	400	18,966	17,000
Nebraska .....	21.9	20.9	490	475	10,731	9,928
North Dakota .....	75.5	72.5	350	320	26,425	23,200
Oregon .....	43.0	42.0	620	625	26,660	26,250
Texas .....	14.6	14.5	460	460	6,716	6,670
Washington .....	164.5	154.5	630	645	103,635	99,653
Wisconsin .....	67.5	66.0	420	380	28,350	25,080
United States .....	961.1	923.1	458	453	440,132	417,848

## Crop Area Planted and Harvested, Yield, and Production in Domestic Units – United States: 2023 and 2024

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2024 crop year. Blank data cells indicate estimation period has not yet begun]

Crop	Area planted		Area harvested	
	2023	2024	2023	2024
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
<b>Grains and hay</b>				
Barley .....	3,109	2,373	2,574	1,875
Corn for grain <sup>1</sup> .....	94,641	90,748	86,506	82,710
Corn for silage .....	(NA)		6,461	
Hay, all .....	(NA)	(NA)	52,821	51,531
Alfalfa .....	(NA)	(NA)	15,634	15,627
All other .....	(NA)	(NA)	37,187	35,904
Oats .....	2,555	2,213	831	886
Proso millet .....	619	450	572	
Rice .....	2,894	2,940	2,854	2,896
Rye .....	2,293	2,206	322	402
Sorghum for grain <sup>1</sup> .....	7,195	6,300	6,115	5,275
Sorghum for silage .....	(NA)		384	
Wheat, all .....	49,575	46,079	37,077	38,469
Winter .....	36,699	33,390	24,558	26,103
Durum .....	1,676	2,064	1,604	2,036
Other spring .....	11,200	10,625	10,915	10,330
<b>Oilseeds</b>				
Canola .....	2,344.5	2,759.5	2,319.2	2,720.0
Cottonseed .....	(X)	(X)	(X)	(X)
Flaxseed .....	178	140	160	125
Mustard seed .....	245.0	218.0	238.1	203.5
Peanuts .....	1,645.0	1,805.0	1,557.0	1,749.0
Rapeseed .....	13.2	20.2	10.1	18.3
Safflower .....	129.5	127.0	126.0	117.0
Soybeans for beans .....	83,600	87,100	82,271	86,271
Sunflower .....	1,315.0	720.0	1,263.5	690.5
<b>Cotton, tobacco, and sugar crops</b>				
Cotton, all .....	10,230.0	11,174.0	6,439.6	8,634.6
Upland .....	10,083.0	10,975.0	6,301.8	8,442.6
American Pima .....	147.0	199.0	137.8	192.0
Sugarbeets .....	1,137.4	1,100.9	1,127.3	1,075.1
Sugarcane .....	(NA)	(NA)	929.6	924.0
Tobacco .....	(NA)	(NA)	187.6	171.0
<b>Dry beans, peas, and lentils</b>				
Chickpeas .....	372.4	504.0	359.2	496.9
Dry edible beans .....	1,180.0	1,532.0	1,156.9	1,488.5
Dry edible peas .....	966.0	988.0	941.0	947.0
Lentils .....	546.0	936.0	523.0	900.0
<b>Potatoes and miscellaneous</b>				
Hops .....	(NA)	(NA)	54.3	44.8
Maple syrup .....	(NA)	(NA)	(NA)	(NA)
Mushrooms .....	(NA)	(NA)	(NA)	(NA)
Peppermint oil .....	(NA)		31.3	
Potatoes .....	966.0	928.0	961.1	923.1
Spearmint oil .....	(NA)		12.2	

See footnote(s) at end of table.

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**Crop Area Planted and Harvested, Yield, and Production in Domestic Units – United States:  
2023 and 2024 (continued)**

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2024 crop year.  
Blank data cells indicate estimation period has not yet begun]

Crop	Yield per acre		Production	
	2023	2024	2023 (1,000)	2024 (1,000)
<b>Grains and hay</b>				
Barley .....bushels	72.3	76.7	186,127	143,836
Corn for grain .....bushels	177.3	183.1	15,340,520	15,142,749
Corn for silage ..... tons	20.1		129,854	
Hay, all ..... tons	2.25	2.46	118,769	126,846
Alfalfa ..... tons	3.19	3.45	49,916	53,975
All other ..... tons	1.85	2.03	68,853	72,871
Oats .....bushels	68.6	76.5	57,045	67,793
Proso millet .....bushels	34.2		19,572	
Rice <sup>2</sup> .....cwt	7,649	7,590	218,291	219,812
Rye .....bushels	32.2	36.6	10,375	14,729
Sorghum for grain .....bushels	52.0	60.8	317,745	320,725
Sorghum for silage ..... tons	13.0		4,981	
Wheat, all .....bushels	48.7	51.2	1,803,942	1,971,301
Winter .....bushels	50.6	51.7	1,242,368	1,348,930
Durum .....bushels	37.0	39.3	59,329	80,051
Other spring .....bushels	46.0	52.5	502,245	542,320
<b>Oilseeds</b>				
Canola ..... pounds	1,793	1,811	4,157,420	4,925,840
Cottonseed ..... tons	(X)	(X)	3,644.0	4,335.0
Flaxseed .....bushels	18.5		2,961	
Mustard seed ..... pounds	627		149,305	
Peanuts ..... pounds	3,775	3,723	5,877,560	6,512,300
Rapeseed ..... pounds	2,003		20,230	
Safflower ..... pounds	1,036		130,570	
Soybeans for beans .....bushels	50.6	51.7	4,162,057	4,461,310
Sunflower ..... pounds	1,787	1,889	2,257,690	1,304,557
<b>Cotton, tobacco, and sugar crops</b>				
Cotton, all <sup>2</sup> .....bales	899	789	12,066.0	14,191.0
Upland <sup>2</sup> .....bales	895	779	11,750.0	13,710.0
American Pima <sup>2</sup> .....bales	1,101	1,203	316.0	481.0
Sugarbeets ..... tons	31.2	32.7	35,226	35,201
Sugarcane ..... tons	36.3	38.2	33,766	35,264
Tobacco ..... pounds	2,305	1,976	432,452	337,900
<b>Dry beans, peas, and lentils</b>				
Chickpeas <sup>2</sup> .....cwt	1,315	1,234	4,722	6,132
Dry edible beans <sup>2</sup> .....cwt	2,067	1,978	23,910	29,448
Dry edible peas <sup>2</sup> .....cwt	1,922	2,036	18,086	19,278
Lentils <sup>2</sup> .....cwt	1,098	1,060	5,742	9,538
<b>Potatoes and miscellaneous</b>				
Hops ..... pounds	1,915	1,963	104,042.5	87,996.0
Maple syrup ..... gallons	(NA)	(NA)	4,843	5,860
Mushrooms ..... pounds	(NA)	(NA)	724,608	658,739
Peppermint oil ..... pounds	90		2,811	
Potatoes .....cwt	458	453	440,132	417,848
Spearmint oil ..... pounds	126		1,541	

(NA) Not available.

(X) Not applicable.

<sup>1</sup> Area planted for all purposes.

<sup>2</sup> Yield in pounds.

## Crop Area Planted and Harvested, Yield, and Production in Metric Units – United States: 2023 and 2024

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2024 crop year. Blank data cells indicate estimation period has not yet begun]

Crop	Area planted		Area harvested	
	2023	2024	2023	2024
	(hectares)	(hectares)	(hectares)	(hectares)
<b>Grains and hay</b>				
Barley .....	1,258,180	960,330	1,041,670	758,790
Corn for grain <sup>1</sup> .....	38,300,270	36,724,810	35,008,110	33,471,910
Corn for silage .....	(NA)		2,614,700	
Hay, all <sup>2</sup> .....	(NA)	(NA)	21,376,130	20,854,080
Alfalfa .....	(NA)	(NA)	6,326,920	6,324,090
All other .....	(NA)	(NA)	15,049,210	14,529,990
Oats .....	1,033,980	895,580	336,300	358,560
Proso millet .....	250,500	182,110	231,480	
Rice .....	1,171,170	1,189,790	1,154,990	1,171,980
Rye .....	927,950	892,750	130,310	162,690
Sorghum for grain <sup>1</sup> .....	2,911,740	2,549,550	2,474,680	2,134,740
Sorghum for silage .....	(NA)		155,400	
Wheat, all <sup>2</sup> .....	20,062,510	18,647,710	15,004,690	15,568,020
Winter .....	14,851,720	13,512,600	9,938,380	10,563,620
Durum .....	678,260	835,280	649,120	823,950
Other spring .....	4,532,530	4,299,830	4,417,190	4,180,450
<b>Oilseeds</b>				
Canola .....	948,800	1,116,740	938,560	1,100,760
Cottonseed .....	(X)	(X)	(X)	(X)
Flaxseed .....	72,030	56,660	64,750	50,590
Mustard seed .....	99,150	88,220	96,360	82,350
Peanuts .....	665,720	730,470	630,100	707,800
Rapeseed .....	5,340	8,170	4,090	7,410
Safflower .....	52,410	51,400	50,990	47,350
Soybeans for beans .....	33,832,080	35,248,500	33,294,250	34,913,010
Sunflower .....	532,170	291,380	511,330	279,440
<b>Cotton, tobacco, and sugar crops</b>				
Cotton, all <sup>2</sup> .....	4,139,980	4,522,010	2,606,040	3,494,340
Upland .....	4,080,490	4,441,470	2,550,280	3,416,640
American Pima .....	59,490	80,530	55,770	77,700
Sugarbeets .....	460,290	445,520	456,210	435,080
Sugarcane .....	(NA)	(NA)	376,200	373,930
Tobacco .....	(NA)	(NA)	75,930	69,200
<b>Dry beans, peas, and lentils</b>				
Chickpeas .....	150,710	203,960	145,360	201,090
Dry edible beans .....	477,530	619,990	468,190	602,380
Dry edible peas .....	390,930	399,830	380,810	383,240
Lentils .....	220,960	378,790	211,650	364,220
<b>Potatoes and miscellaneous</b>				
Hops .....	(NA)	(NA)	21,980	18,030
Maple syrup .....	(NA)	(NA)	(NA)	(NA)
Mushrooms .....	(NA)	(NA)	(NA)	(NA)
Peppermint oil .....	(NA)		12,670	
Potatoes .....	390,930	375,550	388,950	373,570
Spearmint oil .....	(NA)		4,940	

See footnote(s) at end of table.

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**Crop Area Planted and Harvested, Yield, and Production in Metric Units – United States:  
2023 and 2024 (continued)**

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2024 crop year. Blank data cells indicate estimation period has not yet begun]

Crop	Yield per hectare		Production	
	2023	2024	2023	2024
	(metric tons)	(metric tons)	(metric tons)	(metric tons)
<b>Grains and hay</b>				
Barley .....	3.89	4.13	4,052,440	3,131,660
Corn for grain .....	11.13	11.49	389,667,160	384,643,540
Corn for silage .....	45.05		117,801,570	
Hay, all <sup>2</sup> .....	5.04	5.52	107,745,420	115,072,760
Alfalfa .....	7.16	7.74	45,283,030	48,965,300
All other .....	4.15	4.55	62,462,390	66,107,460
Oats .....	2.46	2.74	828,010	984,010
Proso millet .....	1.92		443,890	
Rice .....	8.57	8.51	9,901,510	9,970,510
Rye .....	2.02	2.30	263,540	374,130
Sorghum for grain .....	3.26	3.82	8,071,090	8,146,790
Sorghum for silage .....	29.08		4,518,690	
Wheat, all <sup>2</sup> .....	3.27	3.45	49,095,260	53,650,020
Winter .....	3.40	3.48	33,811,720	36,711,860
Durum .....	2.49	2.64	1,614,670	2,178,630
Other spring .....	3.09	3.53	13,668,870	14,759,530
<b>Oilseeds</b>				
Canola .....	2.01	2.03	1,885,770	2,234,320
Cottonseed .....	(X)	(X)	3,305,780	3,932,650
Flaxseed .....	1.16		75,210	
Mustard seed .....	0.70		67,720	
Peanuts .....	4.23	4.17	2,666,020	2,953,930
Rapeseed .....	2.25		9,180	
Safflower .....	1.16		59,230	
Soybeans for beans .....	3.40	3.48	113,272,630	121,416,960
Sunflower .....	2.00	2.12	1,024,070	591,740
<b>Cotton, tobacco, and sugar crops</b>				
Cotton, all <sup>2</sup> .....	1.01	0.88	2,627,060	3,089,730
Upland .....	1.00	0.87	2,558,260	2,985,000
American Pima .....	1.23	1.35	68,800	104,730
Sugarbeets .....	70.05	73.40	31,956,490	31,933,810
Sugarcane .....	81.42	85.55	30,632,000	31,990,960
Tobacco .....	2.58	2.21	196,160	153,270
<b>Dry beans, peas, and lentils</b>				
Chickpeas .....	1.47	1.38	214,190	278,140
Dry edible beans .....	2.32	2.22	1,084,540	1,335,740
Dry edible peas .....	2.15	2.28	820,370	874,440
Lentils .....	1.23	1.19	260,450	432,640
<b>Potatoes and miscellaneous</b>				
Hops .....	2.15	2.20	47,190	39,910
Maple syrup .....	(NA)	(NA)	24,220	29,300
Mushrooms .....	(NA)	(NA)	328,680	298,800
Peppermint oil .....	0.10		1,280	
Potatoes .....	51.33	50.74	19,964,050	18,953,270
Spearmint oil .....	0.14		700	

(NA) Not available.

(X) Not applicable.

<sup>1</sup> Area planted for all purposes.

<sup>2</sup> Total may not add due to rounding.



## Fruits and Nuts Production in Domestic Units – United States: 2023 and 2024

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2023 crop year, except citrus which is for the 2023-2024 season. Blank data cells indicate estimation period has not yet begun]

Crop	Production	
	2024	2025
<b>Citrus <sup>1</sup></b>		
Grapefruit ..... 1,000 tons	344	304
Lemons ..... 1,000 tons	1,022	1,099
Oranges ..... 1,000 tons	2,758	2,619
Tangerines and mandarins ..... 1,000 tons	1,117	1,019
<b>Noncitrus</b>		
Apples, commercial ..... million pounds	11,110.0	
Apricots ..... tons	36,000	
Avocados ..... tons		
Blueberries, Cultivated ..... 1,000 pounds		
Blueberries, Wild (Maine) ..... 1,000 pounds		
Cherries, Sweet ..... tons	355,000	
Cherries, Tart ..... million pounds	222.0	
Coffee (Hawaii) ..... 1,000 pounds		
Cranberries ..... barrel	8,240,000	
Dates ..... tons		
Grapes ..... tons	6,365,000	
Kiwifruit (California) ..... tons		
Nectarines (California) ..... tons		
Olives (California) ..... tons		
Papayas (Hawaii) ..... 1,000 pounds		
Peaches ..... tons	719,000	
Pears ..... tons	520,000	
Plums (California) ..... tons		
Prunes (California) ..... tons		
Raspberries, all ..... 1,000 pounds		
Strawberries ..... 1,000 cwt		
<b>Nuts and miscellaneous</b>		
Almonds, shelled (California) ..... 1,000 pounds	2,800,000	
Hazelnuts, in-shell (Oregon) ..... tons		
Macadamias (Hawaii) ..... 1,000 pounds		
Pecans, in-shell ..... 1,000 pounds	270,900	
Pistachios (California) ..... 1,000 pounds		
Walnuts, in-shell (California) ..... tons	670,000	

<sup>1</sup> Production years are 2022-2023 and 2023-2024.

## Fruits and Nuts Production in Metric Units – United States: 2023 and 2024

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2023 crop year, except citrus which is for the 2023-2024 season. Blank data cells indicate estimation period has not yet begun]

Crop	Production	
	2024	2025
	(metric tons)	(metric tons)
<b>Citrus <sup>1</sup></b>		
Grapefruit .....	312,070	275,780
Lemons .....	927,140	997,000
Oranges .....	2,502,020	2,375,920
Tangerines and mandarins .....	1,013,330	924,420
<b>Noncitrus</b>		
Apples, commercial .....	5,039,410	
Apricots .....	32,660	
Avocados .....		
Blueberries, Cultivated .....		
Blueberries, Wild (Maine) .....		
Cherries, Sweet .....	322,050	
Cherries, Tart .....	100,700	
Coffee (Hawaii) .....		
Cranberries .....	373,760	
Dates .....		
Grapes .....	5,774,230	
Kiwifruit (California) .....		
Nectarines (California) .....		
Olives (California) .....		
Papayas (Hawaii) .....		
Peaches .....	652,270	
Pears .....	471,740	
Plums (California) .....		
Prunes (California) .....		
Raspberries, all .....		
Strawberries .....		
<b>Nuts and miscellaneous</b>		
Almonds, shelled (California) .....	1,270,060	
Hazelnuts, in-shell (Oregon) .....		
Macadamias (Hawaii) .....		
Pecans, in-shell .....	122,880	
Pistachios (California) .....		
Walnuts, in-shell (California) .....	607,810	

<sup>1</sup> Production years are 2022-2023 and 2023-2024.

## Corn for Grain Objective Yield Data

The National Agricultural Statistics Service is conducting objective yield surveys in 10 corn-producing States during 2024. Randomly selected plots in corn for grain fields are visited monthly from September 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: 2020-2024

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

State and month	2020	2021	2022	2023	2024	State and month	2020	2021	2022	2023	2024
	(number)	(number)	(number)	(number)	(number)		(number)	(number)	(number)	(number)	(number)
<b>Illinois</b>						<b>Nebraska</b>					
September .....	30,600	31,550	32,050	32,550	31,850	All corn					
October .....	30,400	31,550	32,500	32,450	32,250	September .....	27,450	26,750	26,450	26,600	25,950
November .....	30,400	31,500	32,450	32,400	32,200	October .....	27,450	26,650	26,250	26,700	25,800
Final .....	30,400	31,500	32,450	32,400		November .....	27,400	26,650	26,200	26,650	25,800
						Final .....	27,400	26,650	26,200	26,650	
<b>Indiana</b>						<b>Irrigated</b>					
September .....	29,850	29,700	29,050	31,000	30,850	September .....	29,950	29,350	29,000	29,650	28,300
October .....	29,800	29,650	28,550	30,800	30,650	October .....	30,100	29,300	28,950	29,600	28,150
November .....	29,850	29,750	28,600	31,100	30,600	November .....	30,100	29,300	28,850	29,550	28,050
Final .....	29,850	29,750	28,600	31,100		Final .....	30,100	29,300	28,850	29,550	
<b>Iowa</b>						<b>Non-irrigated</b>					
September .....	31,050	31,850	31,750	32,250	30,900	September .....	24,950	24,050	23,850	23,450	23,000
October .....	31,000	31,850	31,550	31,900	30,500	October .....	24,750	24,000	23,500	23,650	22,850
November .....	31,050	31,800	31,600	31,950	30,600	November .....	24,700	23,950	23,500	23,700	23,000
Final .....	31,050	31,800	31,600	31,950		Final .....	24,700	23,950	23,500	23,700	
<b>Kansas</b>						<b>Ohio</b>					
September .....	21,700	22,050	22,600	23,800	21,700	September .....	29,800	30,400	29,400	30,050	31,300
October .....	21,650	21,550	23,200	23,400	21,650	October .....	29,900	30,050	29,350	29,900	31,250
November .....	21,650	21,800	23,350	23,600	21,750	November .....	29,900	30,050	29,700	29,650	31,150
Final .....	21,650	21,800	23,350	23,600		Final .....	29,850	30,050	29,700	29,650	
<b>Minnesota</b>						<b>South Dakota</b>					
September .....	31,750	30,750	31,300	31,300	30,200	September .....	25,450	26,150	26,400	26,050	25,650
October .....	31,800	30,700	31,250	31,450	30,500	October .....	25,400	26,100	26,200	26,150	25,350
November .....	31,800	30,700	31,300	31,450	30,550	November .....	25,550	25,750	25,900	26,100	25,400
Final .....	31,800	30,700	31,300	31,450		Final .....	25,550	25,750	25,900	26,100	
<b>Missouri</b>						<b>Wisconsin</b>					
September .....	28,200	27,250	27,500	27,350	28,500	September .....	30,300	29,900	30,700	30,300	30,350
October .....	28,150	27,400	27,100	27,300	28,150	October .....	30,400	29,550	30,300	29,900	30,300
November .....	28,200	27,350	27,200	27,400	28,150	November .....	30,300	29,400	30,200	30,050	30,450
Final .....	28,200	27,350	27,200	27,400		Final .....	30,300	29,400	30,200	30,000	
						<b>10 State</b>					
						September .....	29,000	29,100	29,250	29,650	28,900
						October .....	28,950	29,000	29,200	29,500	28,800
						November .....	28,950	29,000	29,200	29,550	28,850
						Final .....	28,950	29,000	29,200	29,550	

## Corn for Grain Number of Ears per Acre – Selected States: 2020-2024

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

State and month	2020	2021	2022	2023	2024	State and month	2020	2021	2022	2023	2024
	(number)	(number)	(number)	(number)	(number)		(number)	(number)	(number)	(number)	(number)
<b>Illinois</b>						<b>Nebraska</b>					
September .....	29,900	31,100	31,500	32,250	31,500	All corn					
October .....	29,800	31,050	31,850	32,050	31,900	September ...	26,800	26,650	25,850	26,300	26,300
November .....	29,800	31,050	31,800	32,000	31,850	October .....	26,850	26,950	25,000	26,700	25,750
Final .....	29,800	31,050	31,800	32,000		November ....	26,750	26,800	24,950	26,600	25,800
						Final .....	26,750	26,800	24,950	26,600	
<b>Indiana</b>						<b>Irrigated</b>					
September .....	29,600	29,700	28,700	30,700	31,700	September ...	28,900	29,000	28,900	29,350	28,400
October .....	29,600	29,750	28,400	30,950	30,850	October .....	28,850	29,600	28,350	29,800	27,750
November .....	29,600	29,900	28,500	30,950	30,750	November ....	28,800	29,500	28,300	29,700	27,750
Final .....	29,600	29,900	28,500	30,950		Final .....	28,800	29,500	28,300	29,700	
<b>Iowa</b>						<b>Non-irrigated</b>					
September .....	30,600	31,750	30,850	32,050	31,100	September ...	24,650	24,250	22,700	23,150	23,600
October .....	30,450	31,800	30,800	31,700	30,450	October .....	24,800	24,200	21,600	23,500	23,200
November .....	30,550	31,800	30,800	31,750	30,500	November ....	24,700	24,050	21,600	23,450	23,300
Final .....	30,550	31,800	30,800	31,750		Final .....	24,700	24,050	21,600	23,450	
<b>Kansas</b>						<b>Ohio</b>					
September .....	22,050	22,250	22,800	23,500	21,350	September ....	29,350	30,650	29,250	29,850	30,800
October .....	21,250	21,450	22,300	22,800	20,850	October .....	29,700	30,350	29,250	30,400	30,550
November .....	21,250	21,700	22,100	23,150	21,000	November .....	29,700	30,350	29,550	29,950	30,450
Final .....	21,250	21,700	22,100	23,150		Final .....	29,650	30,350	29,500	29,950	
<b>Minnesota</b>						<b>South Dakota</b>					
September .....	31,750	30,800	31,200	31,350	30,150	September ....	25,550	26,250	25,300	25,900	26,200
October .....	31,850	30,650	31,450	31,300	30,450	October .....	25,550	26,150	24,700	25,950	25,300
November .....	31,850	30,600	31,450	31,300	30,450	November .....	25,700	25,400	24,250	26,150	25,250
Final .....	31,850	30,600	31,450	31,300		Final .....	25,700	25,400	24,250	26,150	
<b>Missouri</b>						<b>Wisconsin</b>					
September .....	27,650	26,900	26,300	26,500	28,450	September ....	30,050	30,100	29,900	30,450	30,050
October .....	27,600	26,950	26,200	26,300	27,950	October .....	30,400	29,500	29,550	30,200	30,400
November .....	27,650	26,950	26,300	26,350	27,900	November .....	30,350	29,400	29,400	30,200	30,400
Final .....	27,650	26,950	26,300	26,350		Final .....	30,350	29,400	29,400	30,200	
						<b>10-State</b>					
						September ....	28,650	29,050	28,650	29,400	28,950
						October .....	28,600	28,950	28,500	29,350	28,650
						November .....	28,600	28,850	28,450	29,350	28,650
						Final .....	28,600	28,850	28,450	29,350	

## Corn Objective Yield Percent of Samples Processed in the Lab – United States: 2020-2024

Year	October		November	
	Dent stage <sup>1</sup>	Mature <sup>2</sup>	Dent stage <sup>1</sup>	Mature <sup>2</sup>
	(percent)	(percent)	(percent)	(percent)
2020 .....	25	68	(Z)	96
2021 .....	22	69	(Z)	94
2022 .....	38	50	(Z)	94
2023 .....	26	60	1	95
2024 .....	29	54	(Z)	96

(Z) Less than half of the unit shown.

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

<sup>2</sup> 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: 2020-2024

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)
Illinois .....						
2020	0.6	1.9	5.8	13.5	16.0	62.2
2021	1.6	0.8	1.6	7.1	19.0	69.9
2022	-	-	1.6	6.5	14.6	77.3
2023	0.8	0.8	2.3	2.3	15.6	78.2
2024	-	0.9	0.9	5.5	13.8	78.9
Indiana .....						
2020	1.3	3.8	5.1	12.8	19.2	57.8
2021	1.6	1.6	6.3	14.3	25.4	50.8
2022	3.7	5.6	7.4	14.8	22.2	46.3
2023	-	1.5	1.5	11.9	20.9	64.2
2024	1.6	4.9	1.6	6.6	19.7	65.6
Iowa .....						
2020	-	-	4.3	9.4	21.7	64.6
2021	-	1.6	2.4	5.5	12.6	77.9
2022	0.7	0.7	0.7	3.3	17.6	77.0
2023	0.7	-	0.7	8.1	16.8	73.7
2024	1.5	3.0	4.5	7.6	18.2	65.2
Kansas .....						
2020	30.1	14.5	12.7	13.6	16.4	12.7
2021	26.3	13.1	24.2	15.2	9.1	12.1
2022	19.2	9.6	20.5	11.0	20.5	19.2
2023	13.8	13.8	20.0	12.5	26.1	13.8
2024	23.9	17.9	28.3	7.5	13.4	9.0
Minnesota .....						
2020	-	0.8	2.3	3.8	19.5	73.6
2021	1.1	4.3	2.2	4.3	28.3	59.8
2022	1.8	2.6	1.8	7.0	14.9	71.9
2023	2.0	2.9	2.9	10.8	9.8	71.6
2024	1.2	1.2	5.9	4.7	22.4	64.6
Missouri .....						
2020	2.7	0.9	10.9	22.7	32.8	30.0
2021	2.6	5.3	14.5	18.4	44.7	14.5
2022	6.4	9.0	17.9	10.3	28.2	28.2
2023	7.6	5.1	16.5	8.9	35.3	26.6
2024	2.4	2.4	15.9	13.4	34.2	31.7
Nebraska .....						
2020	10.8	8.8	8.8	8.8	23.0	39.8
2021	15.8	2.5	14.2	14.2	20.0	33.3
2022	7.0	13.2	10.9	16.3	26.2	26.4
2023	11.7	10.8	5.0	17.5	26.7	28.3
2024	16.9	12.1	12.1	14.5	16.1	28.3
Ohio .....						
2020	-	-	14.4	13.6	26.3	45.7
2021	2.3	1.1	4.6	9.2	32.2	50.6
2022	2.4	3.5	3.5	15.3	28.2	47.1
2023	2.9	6.9	7.8	11.8	17.6	53.0
2024	1.2	-	3.5	8.1	18.6	68.6
South Dakota .....						
2020	13.7	9.6	21.9	21.9	13.7	19.2
2021	14.5	1.8	21.8	25.5	20.0	16.4
2022	8.3	12.5	18.8	27.0	16.7	16.7
2023	10.0	10.0	18.0	18.0	20.0	24.0
2024	13.5	15.4	11.5	26.9	15.4	17.3
Wisconsin .....						
2020	1.4	1.4	8.1	6.8	23.0	59.3
2021	1.5	4.5	4.5	10.6	28.8	50.1
2022	4.2	4.2	-	14.1	16.9	60.6
2023	-	1.4	5.7	17.1	21.4	54.4
2024	-	-	6.6	11.5	24.6	57.3

- Represents zero.

## Corn for Grain Frequency of Farmer Reported Row Widths – Selected States: 2020-2024

State and year	Row width (inches)				
	Less than 30	30	36	38	More than 38
	(number)	(number)	(number)	(number)	(number)
Illinois .....2020	8	148	2	-	-
.....2021	3	127	-	-	-
.....2022	1	126	2	-	-
.....2023	8	124	1	-	-
.....2024	4	112	-	-	-
Indiana .....2020	2	79	1	-	-
.....2021	1	63	-	-	-
.....2022	1	57	-	-	-
.....2023	2	69	-	-	-
.....2024	4	60	-	-	1
Iowa .....2020	9	140	5	3	-
.....2021	4	126	2	-	-
.....2022	6	149	-	-	-
.....2023	5	145	1	-	-
.....2024	9	127	1	-	-
Kansas .....2020	2	110	-	-	-
.....2021	14	91	-	-	-
.....2022	4	85	-	-	-
.....2023	3	91	-	-	1
.....2024	1	85	-	-	-
Minnesota .....2020	25	109	-	1	-
.....2021	22	73	-	1	-
.....2022	17	99	1	-	-
.....2023	24	76	2	1	-
.....2024	16	81	-	1	-
Missouri .....2020	7	99	-	5	-
.....2021	2	72	1	5	-
.....2022	5	69	1	4	-
.....2023	1	73	3	1	-
.....2024	3	82	-	2	-
Nebraska .....2020	2	138	15	-	-
.....2021	-	108	20	-	-
.....2022	1	134	14	-	-
.....2023	2	119	12	1	-
.....2024	5	125	8	-	-
Ohio .....2020	5	113	-	-	-
.....2021	3	83	1	-	-
.....2022	5	86	-	-	-
.....2023	5	96	1	1	-
.....2024	3	82	1	-	-
South Dakota .....2020	11	62	2	2	-
.....2021	3	55	2	-	-
.....2022	6	45	1	-	-
.....2023	3	51	1	1	-
.....2024	5	54	-	-	-
Wisconsin .....2020	3	78	1	2	-
.....2021	2	71	2	2	-
.....2022	2	72	1	1	-
.....2023	2	70	5	-	-
.....2024	2	67	2	1	-

- Represents zero.

**Corn for Grain Percentage Distribution by Measured Row Width and Average Row Width – Selected States: 2020-2024**

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 .....	2020	156	2.6	85.2	10.9	-	1.3	-	29.8
	2021	126	1.6	80.1	18.3	-	-	-	30.0
	2022	123	-	82.1	16.3	1.6	-	-	30.1
	2023	128	3.1	83.6	13.3	-	-	-	29.8
	2024	109	1.8	86.3	11.9	-	-	-	29.8
Indiana .....	2020	78	1.3	80.7	16.7	-	1.3	-	30.2
	2021	63	1.6	79.4	19.0	-	-	-	30.1
	2022	54	-	72.2	27.8	-	-	-	30.3
	2023	67	1.5	71.6	26.9	-	-	-	30.0
	2024	61	-	78.7	16.4	-	3.3	1.6	30.7
Iowa .....	2020	138	2.9	79.7	11.6	2.9	2.9	-	30.1
	2021	127	3.9	82.7	12.6	0.8	-	-	29.7
	2022	153	2.6	78.4	19.0	-	-	-	29.9
	2023	149	1.3	75.8	21.5	0.7	0.7	-	30.1
	2024	132	3.0	87.1	8.3	0.8	0.8	-	29.6
Kansas .....	2020	110	1.8	78.2	20.0	-	-	-	29.7
	2021	99	3.0	83.9	13.1	-	-	-	29.9
	2022	73	4.1	78.1	17.8	-	-	-	29.5
	2023	80	2.5	81.2	12.5	2.5	1.3	-	29.9
	2024	67	-	86.6	11.9	1.5	-	-	30.1
Minnesota .....	2020	133	-	84.9	14.3	-	-	0.8	28.9
	2021	92	3.3	88.0	7.6	-	1.1	-	28.5
	2022	114	-	83.3	15.8	0.9	-	-	29.2
	2023	102	4.9	82.3	10.8	1.0	-	1.0	28.5
	2024	85	3.5	89.4	5.9	-	-	1.2	28.8
Missouri .....	2020	110	5.5	80.9	10.9	-	2.7	-	29.6
	2021	76	2.6	76.3	13.2	1.3	6.6	-	30.5
	2022	78	3.8	69.2	19.2	2.6	2.6	2.6	30.8
	2023	79	1.3	81.0	12.7	2.5	2.5	-	30.4
	2024	82	2.4	83.0	12.2	-	1.2	1.2	30.1
Nebraska .....	2020	148	-	67.6	23.0	7.4	2.0	-	30.8
	2021	120	-	69.2	15.8	14.2	0.8	-	30.9
	2022	129	0.8	65.8	24.0	7.8	1.6	-	30.8
	2023	120	-	68.3	21.7	5.0	5.0	-	30.8
	2024	124	1.6	64.6	29.0	2.4	2.4	-	30.5
Ohio .....	2020	118	1.7	88.1	10.2	-	-	-	29.9
	2021	87	3.4	82.9	12.6	1.1	-	-	29.9
	2022	85	4.7	87.1	8.2	-	-	-	29.7
	2023	102	3.9	77.4	16.7	1.0	1.0	-	29.9
	2024	86	2.3	89.5	7.0	1.2	-	-	29.9
South Dakota .....	2020	73	5.5	72.6	15.1	2.7	1.4	2.7	29.8
	2021	55	1.8	76.4	14.5	1.8	5.5	-	30.2
	2022	48	6.3	79.1	10.4	2.1	2.1	-	29.3
	2023	50	4.0	64.0	28.0	2.0	2.0	-	30.1
	2024	52	7.7	71.1	21.2	-	-	-	29.3
Wisconsin .....	2020	74	-	75.6	18.9	2.7	1.4	1.4	30.4
	2021	66	-	71.3	22.7	1.5	4.5	-	30.5
	2022	71	-	63.4	31.0	2.8	1.4	1.4	30.6
	2023	70	-	72.8	24.3	2.9	-	-	30.3
	2024	61	-	80.4	16.4	1.6	-	1.6	29.6

- Represents zero.

## Soybean Objective Yield Data

The National Agricultural Statistics Service is conducting objective yield surveys in 11 soybean-producing States during 2024. Randomly selected plots in soybean fields are visited monthly from September 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: 2020-2024

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

State and month	2020	2021	2022	2023	2024	State and month	2020	2021	2022	2023	2024
	(number)	(number)	(number)	(number)	(number)		(number)	(number)	(number)	(number)	(number)
<b>Arkansas</b>						<b>Missouri</b>					
September .....	1,630	1,449	1,721	2,043	1,666	September .....	1,977	1,925	1,736	2,099	2,034
October .....	1,527	1,501	1,746	1,844	1,667	October .....	2,093	1,886	1,606	1,991	2,044
November .....	1,459	1,583	1,711	1,856	1,650	November .....	2,036	2,047	1,880	2,062	2,022
Final .....	1,418	1,623	1,711	1,824		Final .....	2,041	2,121	1,875	2,058	
<b>Illinois</b>						<b>Nebraska</b>					
September .....	2,019	2,080	1,896	1,952	1,938	September .....	1,943	1,887	1,592	1,644	1,977
October .....	2,127	2,120	1,888	2,085	2,167	October .....	2,002	2,069	1,597	1,678	1,873
November .....	2,170	2,222	2,010	2,121	2,167	November .....	1,980	2,148	1,586	1,709	1,886
Final .....	2,170	2,227	2,011	2,121		Final .....	1,980	2,148	1,586	1,709	
<b>Indiana</b>						<b>North Dakota</b>					
September .....	2,056	1,846	1,655	1,927	1,978	September .....	1,242	1,055	1,281	1,250	1,352
October .....	1,994	1,811	1,749	1,998	2,005	October .....	1,439	1,014	1,298	1,203	1,435
November .....	1,963	1,822	1,763	1,962	1,914	November .....	1,442	1,009	1,357	1,408	1,485
Final .....	1,959	1,836	1,773	1,962		Final .....	1,442	1,009	1,357	1,404	
<b>Iowa</b>						<b>Ohio</b>					
September .....	1,675	1,732	1,585	1,814	1,859	September .....	1,811	2,060	1,798	1,847	1,797
October .....	1,933	1,800	1,653	1,997	1,992	October .....	1,972	1,989	1,890	2,003	1,957
November .....	1,927	1,894	1,785	2,071	2,039	November .....	1,983	2,074	1,788	2,030	1,929
Final .....	1,927	1,890	1,780	2,070		Final .....	1,981	2,116	1,780	2,030	
<b>Kansas</b>						<b>South Dakota</b>					
September .....	1,650	1,404	1,456	1,500	1,365	September .....	1,688	1,626	1,258	1,520	1,345
October .....	1,699	1,480	1,400	1,372	1,366	October .....	1,720	1,526	1,291	1,552	1,438
November .....	1,629	1,551	1,392	1,500	1,256	November .....	1,696	1,512	1,305	1,644	1,457
Final .....	1,629	1,514	1,391	1,529		Final .....	1,696	1,522	1,305	1,644	
<b>Minnesota</b>						<b>11-State</b>					
September .....	1,607	1,603	1,468	1,648	1,619	September .....	1,780	1,717	1,604	1,755	1,746
October .....	1,782	1,545	1,581	1,695	1,591	October .....	1,882	1,725	1,628	1,799	1,820
November .....	1,751	1,557	1,610	1,687	1,561	November .....	1,866	1,788	1,690	1,856	1,812
Final .....	1,751	1,557	1,610	1,667		Final .....	1,865	1,798	1,689	1,854	



## Soybean Frequency of Farmer Reported Row Widths – Selected States: 2020-2024

State and year	Row width (inches)				
	Less than 7.5 <sup>1</sup>	7.5	15	30	More than 30
	(number)	(number)	(number)	(number)	(number)
Arkansas ..... 2020	5	14	14	36	49
..... 2021	2	13	16	29	42
..... 2022	6	18	15	31	44
..... 2023	2	10	10	51	44
..... 2024	3	9	21	23	63
Illinois ..... 2020	-	11	91	44	-
..... 2021	2	7	80	38	-
..... 2022	3	3	93	44	1
..... 2023	3	7	84	39	-
..... 2024	-	7	83	32	-
Indiana ..... 2020	1	11	87	8	-
..... 2021	1	14	60	8	-
..... 2022	-	11	56	6	-
..... 2023	-	11	68	11	-
..... 2024	-	12	69	5	-
Iowa ..... 2020	1	8	63	85	3
..... 2021	2	3	61	69	1
..... 2022	-	4	74	71	1
..... 2023	-	3	65	74	-
..... 2024	1	2	64	67	-
Kansas ..... 2020	1	9	19	27	-
..... 2021	1	12	15	16	1
..... 2022	1	5	24	19	-
..... 2023	1	6	18	21	-
..... 2024	-	3	16	27	-
Minnesota ..... 2020	3	5	35	51	1
..... 2021	1	2	22	38	-
..... 2022	1	3	30	42	-
..... 2023	-	3	18	40	-
..... 2024	1	-	28	38	-
Missouri ..... 2020	-	13	63	20	11
..... 2021	1	6	48	21	5
..... 2022	-	7	60	16	6
..... 2023	4	8	64	8	6
..... 2024	-	11	56	30	2
Nebraska ..... 2020	-	8	39	58	1
..... 2021	1	9	31	50	4
..... 2022	2	5	25	52	7
..... 2023	-	9	33	48	2
..... 2024	1	4	24	53	-

See footnote(s) at end of table.

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**Soybean Frequency of Farmer Reported Row Widths – Selected States: 2020-2024 (continued)**

State and year	Row width (inches)				
	Less than 7.5 <sup>1</sup>	7.5	15	30	More than 30
	(number)	(number)	(number)	(number)	(number)
North Dakota .....2020	7	27	48	11	-
.....2021	-	16	55	13	-
.....2022	6	24	47	15	-
.....2023	1	26	41	14	-
.....2024	-	18	54	8	-
Ohio .....2020	3	30	82	5	-
.....2021	2	21	64	3	1
.....2022	7	25	71	5	1
.....2023	2	13	82	8	-
.....2024	1	9	78	2	-
South Dakota .....2020	-	-	43	44	-
.....2021	-	3	26	38	-
.....2022	-	4	22	47	1
.....2023	1	5	27	37	1
.....2024	-	8	17	45	2

- Represents zero.

<sup>1</sup> Includes broadcast soybeans.

**Soybean Objective Yield Percent of Samples Processed in the Lab – United States: 2020-2024**

Year	October	November
	Mature <sup>1</sup>	Mature <sup>1</sup>
	(percent)	(percent)
2020 .....	64	94
2021 .....	61	92
2022 .....	42	90
2023 .....	51	91
2024 .....	55	96

<sup>1</sup> 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: 2020-2024**

State and year	Samples	Row width (inches)					Average row width <sup>1</sup>
		10.0 or less <sup>1</sup>	10.1-18.5	18.6-28.5	28.6-34.5	34.6 or greater	
	(number)	(percent)	(percent)	(percent)	(percent)	(percent)	(inches)
Arkansas .....2020	121	12.8	11.2	3.3	25.6	47.1	29.9
.....2021	105	11.9	15.2	6.2	30.5	36.2	27.9
.....2022	113	13.3	14.6	2.7	25.7	43.7	28.3
.....2023	118	10.6	5.5	4.2	39.9	39.8	30.4
.....2024	116	6.7	13.0	4.2	22.7	53.4	29.8
Illinois .....2020	147	7.2	49.4	10.6	32.1	0.7	20.3
.....2021	128	5.5	56.9	5.5	31.3	0.8	19.9
.....2022	144	1.0	55.8	13.9	27.9	1.4	20.3
.....2023	131	3.8	52.4	13.7	29.0	1.1	20.6
.....2024	120	4.6	57.5	12.1	25.8	-	19.3
Indiana .....2020	108	8.3	77.3	6.5	7.9	-	16.2
.....2021	84	12.5	64.3	12.5	10.7	-	16.4
.....2022	71	9.2	71.6	12.1	7.1	-	16.0
.....2023	88	6.3	73.1	10.9	9.7	-	16.9
.....2024	85	5.9	77.5	7.1	9.5	-	16.5
Iowa .....2020	162	3.4	32.4	10.8	52.2	1.2	23.8
.....2021	136	1.5	37.5	11.0	49.3	0.7	23.6
.....2022	153	2.9	39.9	8.2	49.0	-	23.0
.....2023	143	2.1	39.5	10.8	47.6	-	22.9
.....2024	133	1.5	41.4	9.3	45.6	2.2	23.1
Kansas .....2020	57	5.3	50.9	2.6	37.7	3.5	21.1
.....2021	49	12.2	46.0	7.1	34.7	-	19.8
.....2022	48	9.4	44.7	4.2	41.7	-	20.9
.....2023	42	-	44.2	14.0	39.5	2.3	22.1
.....2024	43	2.3	31.8	4.5	61.4	-	23.6
Minnesota .....2020	93	7.5	19.9	15.6	54.8	2.2	24.5
.....2021	61	4.1	14.8	23.8	57.3	-	25.2
.....2022	77	2.6	20.1	21.4	55.9	-	24.8
.....2023	60	4.2	17.5	20.0	57.5	0.8	25.2
.....2024	65	1.5	14.5	24.4	59.6	-	25.3
Missouri .....2020	110	13.6	50.5	10.0	19.5	6.4	19.3
.....2021	80	10.0	58.7	6.3	22.5	2.5	19.1
.....2022	90	6.7	59.9	8.9	17.8	6.7	19.5
.....2023	95	8.4	60.5	7.4	18.4	5.3	19.0
.....2024	95	8.4	62.6	5.8	20.0	3.2	18.7
Nebraska .....2020	107	5.2	32.4	10.8	50.7	0.9	22.9
.....2021	96	7.3	30.7	8.3	48.5	5.2	23.2
.....2022	87	6.9	21.8	4.6	59.8	6.9	25.9
.....2023	90	5.0	26.8	14.5	48.7	5.0	24.2
.....2024	76	3.9	28.6	5.8	61.7	-	24.0

See footnote(s) at end of table.

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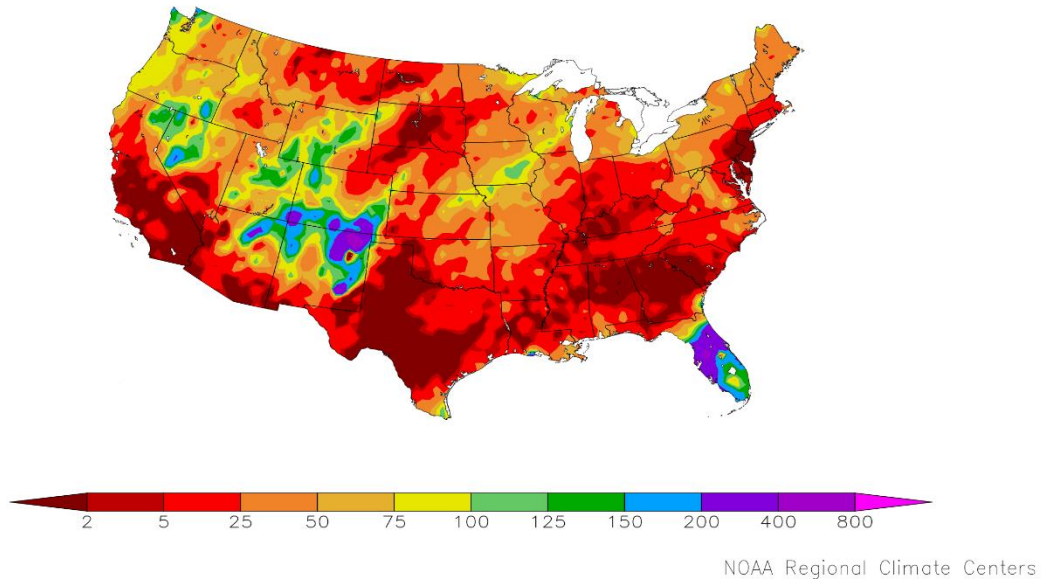
**Soybean Percentage Distribution by Measured Row Width and Average Row Width – Selected States:  
2020-2024 (continued)**

State and year	Samples	Row width (inches)					Average row width <sup>1</sup>	
		10.0 or less <sup>1</sup>	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 .....	2020	92	21.7	48.9	17.4	12.0	-	16.1
	2021	85	18.2	44.1	27.1	10.6	-	17.2
	2022	95	23.2	47.3	12.6	15.3	1.6	16.9
	2023	81	21.1	42.3	21.1	15.5	-	17.3
	2024	76	10.8	53.7	24.7	10.8	-	17.0
Ohio .....	2020	121	25.6	67.0	3.3	4.1	-	14.1
	2021	92	25.0	67.3	3.3	3.3	1.1	14.1
	2022	107	19.6	72.5	2.8	4.2	0.9	14.7
	2023	105	11.9	75.7	6.7	5.7	-	15.7
	2024	89	7.9	85.3	3.4	3.4	-	15.2
South Dakota .....	2020	88	-	24.6	27.4	46.3	1.7	24.2
	2021	64	3.1	14.8	33.6	46.2	2.3	24.4
	2022	74	2.0	14.9	22.3	59.4	1.4	25.7
	2023	71	2.8	16.2	23.2	55.7	2.1	25.3
	2024	71	3.5	21.1	16.2	57.8	1.4	24.9

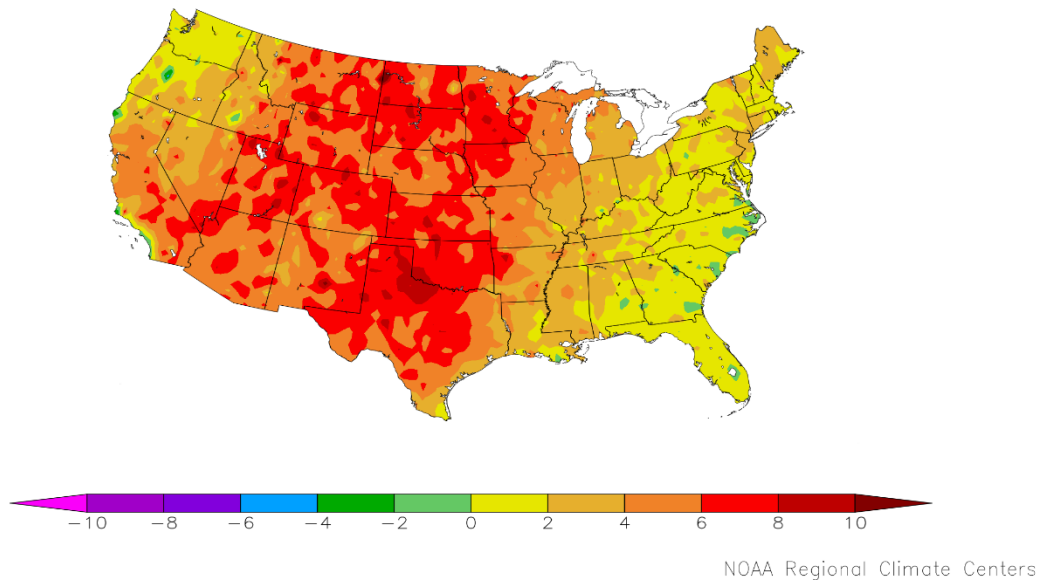
- Represents zero.

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

Percent of Normal Precipitation (%)  
10/1/2024 – 10/31/2024



Departure from Normal Temperature (F)  
10/1/2024 – 10/31/2024



## October Weather Summary

The remnants of Hurricane Helene, which in late September had become entangled with a disturbance crossing the Mississippi Valley, drifted eastward across the middle Atlantic States, generating some early-month rain. Meanwhile, in the wake of historic, catastrophic, and deadly flooding in the southern Appalachians, search and recovery efforts advanced amid warm, mostly dry conditions. With more than 230 confirmed fatalities, many due to inland flooding, Helene became the deadliest Atlantic hurricane to strike the mainland United States since Katrina in 2005. Post-hurricane assessments and repairs extended to areas of the Southeast hit hard by Helene's high winds and—along a portion of Florida's Gulf Coast—a record-setting storm surge.

The days following Helene's Southeastern deadly deluge were strikingly quiet. However, the tranquil regime was soon broken by the sudden arrival of Category 3 Hurricane Milton, which slammed into Florida's Gulf Coast near Sarasota on the evening of October 9 with maximum sustained winds estimated near 120 mph. Milton's interaction with an approaching cold front led to disastrous conditions—including high winds (gusts above 100 mph) and flooding rains (locally 12 to 20 inches)—occurring on the northern side of the storm, encompassing the Tampa Bay area. Milton also produced a storm surge exceeding 5 feet, with damaging water levels affecting coastal areas less than 2 weeks after Hurricane Helene had a similarly destructive impact on barrier islands in west-central Florida. At the height of the storm on the night of October 9-10, nearly 3.5 million customers—including farming operations—lost electricity. Damage extended to some of Florida's major crops, such as strawberries and citrus. Prior to landfall, Milton's eastern feeder bands spawned more than three dozen tornadoes on October 9, causing localized but devastating damage. In Milton's wake, major to record river flooding developed across portions of the middle section of Florida's peninsula.

Most of the remainder of the country experienced a warm, dry October, with a few exceptions. The persistently warm, dry pattern was nearly ideal for fieldwork and summer crop maturation, with the Nation's soybean harvest advancing at its fastest pace since 2010. By October 27, nearly all (89 percent) the Nation's soybeans had been harvested, along with 81 percent of the corn, well ahead of the respective 5-year averages of 78 and 64 percent. The quick fieldwork pace extended to other crops, including sugarbeets (83 percent harvested by October 27, versus the 5-year average of 78 percent); cotton (52 vs. 46 percent); and sunflowers (47 vs. 40 percent). However, unlike corn and soybeans, which were largely mature when Midwestern drought intensified in September and October, cotton suffered through Southeastern hurricanes, especially Helene, and drought on the southern Plains, leaving only 33 percent of the crop in good to excellent condition by October 27.

On October 27, national topsoil moisture rated very short to short, as reported by USDA/NASS, hit a 10-year high of 73 percent, topping the standard of 68 percent set the previous week and on October 23, 2022. The dryness led to some winter wheat planting and germination delays, with only 56 percent of the crop emerged by October 27, compared to the 5-year average of 61 percent. In the first winter wheat condition report of the season, on October 27, the Nation's winter wheat was categorized as being 38 percent good to excellent and 23 percent very poor to poor, marking the second-lowest national rating of the 21st century in the season's initial report. The only lower initial winter wheat rating occurred on October 30, 2022, when the crop was 28 percent good to excellent and 35 percent very poor to poor.

Given the overarching dryness, national drought coverage increased by 22.58 percentage points during the 4-week period ending October 29, according to the *U.S. Drought Monitor*, rising from 31.50 to 54.08 percent. Drought coverage in the Lower 48 States had last been above 50 percent in December 2022. Furthermore, collective coverage of abnormal dryness (D0) and moderate to exceptional drought (D1 to D4) soared to 87.16 percent of the Lower 48 States by October 29, a *Drought Monitor*-era standard. The previous record of 85.28 percent had been set on November 1, 2022. The first occurrence of D0-to-D4 coverage exceeding 80 percent occurred during the summer of 2012, with a peak value of 80.76 percent on July 17, 2012.

As October ended, rain had not yet reached the eastern United States. Accordingly, it was the driest October and month on record in numerous locations across the middle Atlantic States. Only a trace of October rain fell in Wilmington and Georgetown, Delaware; Trenton and Newark, New Jersey; and Philadelphia, Pennsylvania—the first time on record in all five cities that a month featured no measurable precipitation. Many communities across the Plains, South, and Midwest were also on track for a record-dry October, until the end of the month. Lafayette, Louisiana, received no measurable rain on 36 consecutive days starting September 25, but received 4.11 inches on the final day of October. Meridian, Mississippi,

had a completely dry October until 2.81 inches fell on the month's final day. Still, late-month rain bypassed several Southern locations, with only a trace of October rain reported in Austin and College Station, Texas; Atlanta, Augusta, and Macon, Georgia; and Columbia, South Carolina. Farther north, an October 1-29 precipitation sum of a trace in Sioux City, Iowa, was followed by rainfall total of 0.62 inch on the final 2 days of the month.

Warmth accompanied the dry pattern, especially across the western and central United States. Monthly temperatures generally averaged 4 to 8°F above normal across the Plains, Southwest, and upper Midwest. In the warmest areas, numerous records were set for the hottest weather so late in the season and greatest number of October days above a certain temperature threshold. In Arizona, for example, Tucson achieved a record with 13 days of 100-degree heat in October, eclipsing the mark of 8 triple-digit days in 2020. Meanwhile, somewhat cooler weather—relative to normal—prevailed in the East and Pacific Northwest, although near- or slightly above-normal October temperatures were still noted in both regions.

## October Agricultural Summary

October was warmer than normal for most of the Nation. Large parts of the upper Midwest, Great Plains, Rockies, and Southwest recorded temperatures 6°F or more above normal for the month. While much of the Nation remained drier than normal, parts of Florida, the Southern Rockies, and Southwest recorded at least twice the normal of precipitation. Due in large part to Hurricane Milton, parts of Florida recorded 10 inches of rain or more. Areas near Washington's West Coast also recorded 10 inches of rain or more for the month.

Eighty-seven percent of the Nation's corn acreage was mature by October 6, equal to last year but 6 percentage points ahead of the 5-year average. Thirty percent of the 2024 corn acreage was harvested by October 6, one percentage point behind last year but 3 percentage points ahead of the 5-year average harvest pace. On October 13, sixty-four percent of the Nation's corn acreage was rated in good to excellent condition, 11 percentage points above the same time last year. Ninety-eight percent of the Nation's corn acreage was mature by October 20, one percentage point ahead of last year and 3 percentage points ahead of the 5-year average. Sixty-five percent of the 2024 corn acreage was harvested by October 20, ten percentage points ahead of last year and 13 percentage points ahead of the 5-year average harvest pace. Ninety-one percent of the 2024 corn acreage was harvested by November 3, 13 percentage points ahead of last year and 16 percentage points ahead of the 5-year average harvest pace. Corn harvest progress was at or ahead of the 5-year average pace in all 18 estimating States.

Nationally, leaf drop was 90 percent complete by October 6, one percentage point behind last year but 5 percentage points ahead of the 5-year average. Soybean harvest across the Nation was 47 percent complete by October 6, ten percentage points ahead of last year and 13 percentage points ahead of the 5-year average. On October 6, sixty-three percent of the Nation's soybean acreage was rated in good to excellent condition, 12 percentage points above the same time last year. Soybean harvest across the Nation was 81 percent complete by October 20, nine percentage points ahead of last year and 14 percentage points ahead of the 5-year average. Soybean harvest across the Nation was 94 percent complete by November 3, five percentage points ahead of last year and 9 percentage points ahead of the 5-year average. Soybean harvest progress was ahead of the 5-year average pace in 16 of the 18 estimating States.

Nationwide, producers had sown 51 percent of the intended 2025 winter wheat acreage by October 6, one percentage point behind both last year and the 5-year average. Nationwide, 25 percent of the winter wheat acreage had emerged by October 6, equal to both last year and the 5-year average. Nationwide, producers had sown 73 percent of the intended 2025 winter wheat acreage by October 20, one percentage point behind last year and 3 percentage points behind the 5-year average. Nationwide, 46 percent of the winter wheat acreage had emerged by October 20, three percentage points behind last year and 4 percentage points behind the 5-year average. Nationwide, producers had sown 87 percent of the intended 2025 winter wheat acreage by November 3, one percentage point behind last year and 2 percentage points behind the 5-year average. Winter wheat planting progress advanced by 20 percentage points for the week in Missouri. Nationwide, 66 percent of the winter wheat acreage had emerged by November 3, six percentage points behind last year and 5 percentage points behind the 5-year average. Winter wheat emergence advanced 11 percentage points or more in 9 of the 18 estimating States. As of November 3, forty-one percent of the 2025 winter wheat acreage was reported in good to excellent condition, 9 percentage points below the same time last year.

By October 6, eighty-two percent of the Nation's cotton had open bolls, 2 percentage points ahead of both last year and the 5-year average. By October 6, twenty-six percent of the Nation's cotton acreage was harvested, 3 percentage points ahead of last year and 4 percentage points ahead of the 5-year average. By October 20, ninety-four percent of the Nation's cotton had open bolls, 5 percentage points ahead of last year and 3 percentage points ahead of the 5-year average. By October 20, forty-four percent of the Nation's cotton acreage was harvested, 5 percentage points ahead of last year and 6 percentage points ahead of the 5-year average. On October 27, thirty-three percent of the 2024 cotton acreage was rated in good to excellent condition, 4 percentage points above the same time last year. By November 3, sixty-three percent of the Nation's cotton acreage was harvested, 8 percentage points ahead of last year and 9 percentage points ahead of the 5-year average. Cotton harvest progress was ahead of the 5-year average pace in 13 of the 15 estimating States.

By October 6, eighty percent of the Nation's sorghum acreage was mature, 2 percentage points ahead of last year and 4 percentage points ahead of the 5-year average. Forty-three percent of the 2024 sorghum acreage had been harvested by October 6, two percentage points ahead of last year and 3 percentage points ahead of the 5-year average. Ninety-three percent of Texas's sorghum acreage had been harvested by October 6, six percentage points ahead of last year and 5 percentage points ahead of the 5-year average. Forty-four percent of the Nation's sorghum acreage was rated in good to excellent condition on October 13, two percentage points above the same time last year. By October 20, ninety-five percent of the Nation's sorghum acreage was mature, equal to last year but 1 percentage point ahead of the 5-year average. Sixty-four percent of the 2024 sorghum acreage had been harvested by October 20, one percentage point ahead of last year and 3 percentage points ahead of the 5-year average. Eighty-five percent of the 2024 sorghum acreage had been harvested by November 3, two percentage points ahead of last year and 3 percentage points ahead of the 5-year average.

Nationally, 86 percent of the rice acreage was harvested by October 6, six percentage points ahead of last year and 9 percentage points ahead of the 5-year average. Nationally, 96 percent of the rice acreage was harvested by October 20, six percentage points ahead of last year and 4 percentage points ahead of the 5-year average.

Nineteen percent of the Nation's peanut acreage was harvested as of October 6, five percentage points behind last year and 10 percentage points behind the 5-year average. Forty-four percent of the Nation's peanut acreage was harvested as of October 20, seven percentage points behind last year and 10 percentage points behind the 5-year average. On October 27, forty-nine percent of the Nation's peanut acreage was rated in good to excellent condition, 1 percentage point above the same time last year. Seventy-three percent of the Nation's peanut acreage was harvested as of November 3, three percentage points behind last year and 4 percentage points behind the 5-year average.

By October 6, sugarbeet producers had harvested 23 percent of the Nation's crop, 4 percentage points ahead of last year but 5 percentage points behind the 5-year average. By October 20, sugarbeet producers had harvested 71 percent of the Nation's crop, five percentage points ahead of last year and 8 percentage points ahead of the 5-year average. By November 3, sugarbeet producers had harvested 93 percent of the Nation's crop, 1 percentage point ahead of last year and 5 percentage points ahead of the 5-year average.

By October 6, four percent of this year's sunflower crop was harvested, 1 percentage point ahead of last year but 3 percentage points behind the 5-year average. By October 20, thirty percent of this year's sunflower crop was harvested, 7 percentage points ahead of last year and 3 percentage points ahead of the 5-year average. By November 3, sixty-five percent of this year's sunflower crop was harvested, 16 percentage points ahead of last year and 9 percentage points ahead of the 5-year average. Sunflower harvest progress was ahead of the 5-year average pace in all 4 estimating States.

## Crop Comments

**Corn:** The 2024 area harvested for grain, forecast at 82.7 million acres, is unchanged from the previous forecast but down 4 percent from last year.

Production for grain is forecast at 15.1 billion bushels, down less than 1 percent from the previous forecast and down 1 percent from last year. Based on conditions as of November 1, the yield is forecast at a record high 183.1 bushels per acre, down 0.7 bushel from the previous forecast but up 5.8 bushels from last year's final estimate of 177.3 bushels per



acre. Record high yields are forecast in Illinois, Indiana, Iowa, Louisiana, Michigan, Nebraska, South Dakota, and Wisconsin.

Ninety-four percent of the Nation's corn acreage was mature by October 13, one percentage point ahead of last year and 5 percentage points ahead of the 5-year average. Forty-seven percent of the 2024 corn acreage was harvested by week's end, 5 percentage points ahead of last year and 8 percentage points ahead of the 5-year average. On October 13, sixty-four percent of the Nation's corn acreage was rated in good to excellent condition, 11 percentage points above the previous year. Ninety-one percent of the 2024 corn acreage was harvested by November 3, thirteen percentage points ahead of last year and 16 percentage points ahead of the 5-year average harvest pace.

**Sorghum:** Production is forecast at 321 million bushels, up 5 percent from the previous estimate and up 1 percent from last year. Area harvested for grain is forecast at 5.28 million acres, unchanged from the previous forecast but down 14 percent from 2023. Based on November 1 conditions, yield is forecast at 60.8 bushels per acre, 3.1 bushels above the previous estimate and up 8.8 bushels from the 2023 yield of 52.0 bushels per acre.

Eighty-five percent of the 2024 sorghum acreage had been harvested by November 3, two percentage points ahead of last year and 3 percentage points ahead of the 5-year average. Harvest was complete in Texas and harvest progress was at or ahead of the average pace in all other estimating States, except Colorado, where harvest was just 1 percentage point behind normal.

**Rice:** All rice production is forecast at 220 million cwt, unchanged from the previous forecast but up 1 percent from the previous year. Area for harvest is expected to total 2.90 million acres, unchanged from the previous estimate but up 1 percent from last year. Based on conditions as of November 1, the average United States yield is forecast at 7,590 pounds per acre, unchanged from the previous forecast, but down 59 pounds per acre from 2023.

As of October 20, ninety-six percent of the Nation's rice acreage had been harvested, 6 percentage points ahead of the previous year and 4 percentage points ahead of the 5-year average.

**Soybeans:** Production is forecast at 4.46 billion bushels, down 3 percent from the previous estimate but up 7 percent from last year. Based on conditions as of November 1, yields are expected to average 51.7 bushels per acre, down 1.4 bushels from the previous forecast but up 1.1 bushels from last year. Area harvested for beans in the United States is forecast at 86.3 million acres, unchanged from the previous forecast but up 5 percent from 2023.

Soybean harvest was 26 percent complete as of September 29, six percentage points ahead of last year and 8 percentage points ahead of the 5-year average. As of November 3, harvest was 94 percent complete Nationwide, 5 percentage points ahead of last year and 9 percentage points ahead of the 5-year average. At that time, harvest progress was at or ahead of the respective State 5-year average pace in 17 of the 18 States estimated in the Crop Progress report.

Record high yields are forecast in Arkansas, Illinois, Indiana, Michigan, Mississippi, New York, and Texas.

**Peanuts:** Production is forecast at 6.51 billion pounds in 2024, up 1 percent from the previous forecast and up 9 percent from 2023 in comparable States. Area harvested is expected to total 1.75 million acres, unchanged from the previous forecast but up 12 percent from 2023 in comparable States. Based on conditions as of November 1, the average yield for the United States is forecast at 3,723 pounds per acre, up 40 pounds per acre from the previous forecast but down 78 pounds per acre from 2023 in comparable States.

Record high production is expected in Arkansas. As of November 3, seventy-three percent of the Nation's peanut acreage was harvested, three percentage points behind last year and 4 percentage points behind the 5-year average.

Beginning in 2024, estimates for peanuts began in Missouri but were discontinued in New Mexico.

**Cotton:** Upland harvested area for the Nation is expected to total 8.44 million acres, unchanged from the previous forecast but up 34 percent from last year. Expected Pima harvested area at 192,000 acres is unchanged from the previous estimate but up 39 percent from last year. Upland cotton production is forecast at 13.7 million 480-pound bales, up less

than 1 percent from the previous forecast and up 17 percent from 2023. Pima cotton production is forecast at 481,000 bales, down 7 percent from the previous forecast but up 52 percent from 2023. If realized, record high all cotton production is forecast in Missouri.

By November 3, sixty-three percent of the Nation's cotton acreage was harvested, 8 percentage points ahead of last year and 9 percentage points ahead of the 5-year average. Cotton harvesting advanced 10 percentage points or more in 9 of the 15 estimating States during the week. Cotton harvest progress was ahead of the 5-year average pace in 13 of the 15 estimating States.

Ginnings totaled 4,695,550 running bales prior to November 1, up from 3,606,850 running bales ginned prior to the same date last year.

**Sugarbeets:** Production of sugarbeets for the 2024 crop year is forecast at 35.2 million tons, down 1 percent from last month and down slightly from last year. Producers expect to harvest 1.08 million acres, unchanged from last month but down 5 percent from last year. Yield is forecast at 32.7 tons per acre, down 0.4 ton from last month but up 1.5 tons from last year.

**Sugarcane:** Production of sugarcane for sugar and seed is forecast at 35.3 million tons, down slightly from last month but up 6 percent from last season in comparable States. Producers intend to harvest 924,000 acres for sugar and seed during the 2024 crop year, unchanged from last month but up 1 percent from last season, in comparable States. Yields for sugar and seed are expected to average 38.2 tons per acre, down 0.1 ton from last month but up 1.6 tons from last season, in comparable States.

Beginning in 2024, estimates for sugarcane were discontinued in Texas.

**Potatoes:** Production of potatoes for the 2024 crop year is forecast at 418 million cwt, down 5 percent from last year. Planted acreage, at 928,000 acres, is down 1 percent from the June estimate and down 4 percent from last season. Area harvested, at 923,100 acres, is down 4 percent from the previous year. The yield forecast, at 453 cwt per acre, is down 5 cwt from last year's yield.

## Statistical Methodology

**Field crop survey procedures:** Objective yield and farm operator surveys were conducted between October 25 and November 5 to gather information on expected yield as of November 1. Beginning in September, the objective yield surveys for corn 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 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 5,840 producers were interviewed during the survey period and asked questions about probable yield.

**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.

**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 acres for barley, corn, cotton, dry edible beans, oats, peanuts, rice, sorghum, soybeans, sugarbeets, and wheat are subject to revision in the August *Crop Production* report. Acres for chickpeas, corn, cotton, dry edible peas, lentils, peanuts, rice, sorghum, soybeans, and sugarbeets are subject to revision in the September *Crop Production* report each year. Barley, oats, rye, and wheat end-of-season estimates are published in the *Small Grains Annual Summary* report at the end of September. Canola, dry edible beans, and sunflower acres are subject to revision in the October *Crop Production* report. Potato acres are subject to revision in the November *Crop Production* report. End-of-season estimates for all other row crops are published in the *Annual Crop Production Summary* in January. Revisions to planted acres will only be made when either special survey data, administrative data, such as Farm Service Agency certified acreage data, or remote sensing data are available. Harvested acres may be revised any time a production forecast is made if there is sufficient data indicating that the intended harvested area has changed since the last forecast.

**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 1.2 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 1.2 percent. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 2.1 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 128 million bushels, ranging from 4 million bushels to 420 million bushels. The November 1 forecast has been below the final estimate 8 times and above 12 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	1.2	2.1	128	4	420	8	12
Peanut <sup>1</sup> ..... pounds	4.8	8.3	211	10	662	13	7
Potato ..... cwt	1.2	2.1	4	1	12	15	5
Rice ..... cwt	1.6	2.8	2	(Z)	11	13	7
Sorghum for grain ..... bushels	7.5	12.9	15	1	48	10	10
Soybeans for beans ..... bushels	1.7	3.0	51	1	171	11	9
Sugarbeets for sugar ..... tons	1.6	2.8	(Z)	(Z)	1	10	10
Sugarcane ..... tons	4.4	7.5	1	(Z)	2	10	10
Upland cotton <sup>1</sup> ..... bales	5.4	9.3	601	66	2,474	6	14

(Z) Less than half of the unit shown.

<sup>1</sup> 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@usda.gov](mailto:nass@usda.gov)

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Chris Hawthorn, Head, Field Crops Section.....	(202) 720-2127
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Joshua Bates – Hemp, Oats, Soybeans.....	(202) 690-3234
Natasha Bruton – Barley, Cotton System Consumption and Stocks, Grain Crushings .....	(202) 690-1042
David Colwell – Fats and Oils, Flour Milling Products.....	(202) 720-8800
Michelle Harder – Hay, Peanuts .....	(202) 690-8533
James Johanson – Rye, Wheat .....	(202) 720-8068
Greg Lemmons – Corn, Proso Millet, Rice.....	(202) 720-9526
Becky Sommer – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-5944
Travis Thorson – Canola, Rapeseed, Safflower, Sunflower .....	(202) 720-7369
Fleming Gibson, Head, Fruits, Vegetables and Special Crops Section .....	(202) 720-2127
Deonne Holiday – Almonds, Carrots, Coffee, Cranberries, Garlic, Onions, Plums, Prunes, Tobacco.....	(202) 720-4288
Bret Holliman – Apricots, Chickpeas, Nectarines, Peaches, Snap Beans, Sweet Corn, Tomatoes.....	(202) 720-7235
Robert Little – Blueberries, Cabbage, Dry Edible Beans, Kale, Lettuce, Macadamia, Maple Syrup, Pears, Raspberries, Spinach .....	(202) 720-3250
Krishna Rizal – Artichokes, Asparagus, Celery, Grapefruit, Kiwifruit, Lemons, Mandarins and tangerines, Mint, Mushrooms, Olives, Oranges, Pistachios .....	(202) 720-5412
Chris Singh – Apples, Cucumbers, Hazelnuts, Potatoes, Pumpkins, Squash, Strawberries, Sugarbeets, Sugarcane, Sweet Potatoes .....	(202) 720-4285
Antonio Torres – Beets, Cantaloupes, Dry Edible Peas, Grapes, Green Peas, Honeydews, Lentils, Sweet Cherries, Tart Cherries, Walnuts, Watermelons .....	(202) 720-2157
Chris Wallace – Avocados, Bell Peppers, Broccoli, Cauliflower, Chile Peppers, Dates, Floriculture, Hops, Papayas, Pecans .....	(202) 720-4215

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