



# Crop Production

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## Special Note

The forecasts in this report are based on conditions as of August 1. Any potential impacts from severe weather that occurred after August 1 will be reflected in future reports.

**Corn Production Up 12 Percent from 2019**  
**Soybean Production Up 25 Percent from 2019**  
**Cotton Production Down 9 Percent from 2019**  
**Winter Wheat Production Down 2 Percent from July Forecast**

**Corn** production for grain is forecast at a record high 15.3 billion bushels, up 12 percent from 2019. Based on conditions as of August 1, yields are expected to average a record high 181.8 bushels per harvested acre, up 14.4 bushels from last year. Area harvested for grain is forecast at 84.0 million acres, unchanged from the June forecast, but up 3 percent from the previous year.

**Soybean** production for beans is forecast at 4.42 billion bushels, up 25 percent from 2019. Based on conditions as of August 1, yields are expected to average a record high 53.3 bushels per harvested acre, up 5.9 bushels from 2019. Area harvested for beans in the United States is forecast at 83.0 million acres, unchanged from the previous forecast but up 11 percent from 2019.

**All cotton** production is forecast at 18.1 million 480-pound bales, down 9 percent from 2019. Based on conditions as of August 1, yields are expected to average a record high 938 pounds per harvested acre, up 115 pounds from 2019. Upland cotton production is forecast at 17.5 million 480-pound bales, down 9 percent from 2019. Pima cotton production is forecast at 554,500 bales, down 19 percent from 2019. All cotton area harvested is forecast at 9.25 million acres, down 20 percent from 2019.

**All wheat** production for grain is forecast at 1.84 billion bushels, up 1 percent from the previous forecast but down 4 percent from 2019. Based on August 1 conditions, yields are expected to average 50.1 bushels per harvested acre, up 0.4 bushel from the previous forecast, but down 1.6 bushels from 2019. Area harvested for grain is forecast at 36.7 million acres, unchanged from the previous forecast, but down 1 percent from 2019.

**Winter wheat** production is forecast at 1.20 billion bushels, down 2 percent from the July 1 forecast and down 8 percent from 2019. As of August 1, the United States yield is forecast at 51.1 bushels per acre, down 0.9 bushel from last month and down 2.5 bushels from last year's average yield of 53.6 bushels per acre. The area expected to be harvested for grain or seed totals 23.4 million acres, unchanged from the previous forecast, but down 4 percent from last year.

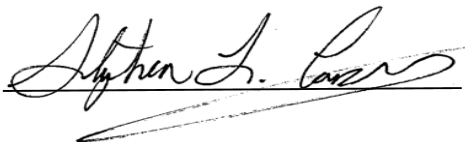
Hard Red Winter production, at 695 million bushels, is down 2 percent from last month. Soft Red Winter, at 277 million bushels, is down 1 percent from the July forecast. White Winter, at 226 million bushels, is down less than 1 percent from last month. Of the White Winter production, 14.6 million bushels are Hard White and 212 million bushels are Soft White.

**Durum wheat** production is forecast at 61.8 million bushels, up 11 percent from the previous forecast and up 15 percent from 2019. Based on August 1 conditions, yields are expected to average 42.8 bushels per harvested acre, up 4.3 bushels from the previous forecast but down 2.9 bushels from 2019. Area expected to be harvested for grain or seed totals 1.44 million acres, unchanged from the previous forecast, but up 23 percent from 2019.

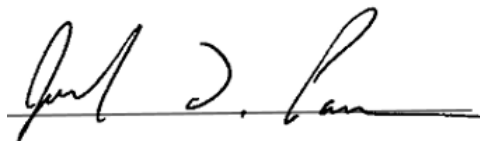
**Other spring wheat** production for grain is forecast at 577 million bushels, up 5 percent from the previous forecast and up 3 percent from last year. Based on August 1 conditions, yields are expected to average 49.0 bushels per harvested acre, up 2.4 bushels from the previous forecast, and up 0.8 bushel from 2019. If realized, a record high yield is expected for the United States. Area harvested for grain or seed is expected to total 11.8 million acres, unchanged from the previous forecast, but 1 percent above 2019. Of the total production, 530 million bushels are Hard Red Spring wheat, up 2 percent from 2019.

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This report was approved on August 12, 2020.



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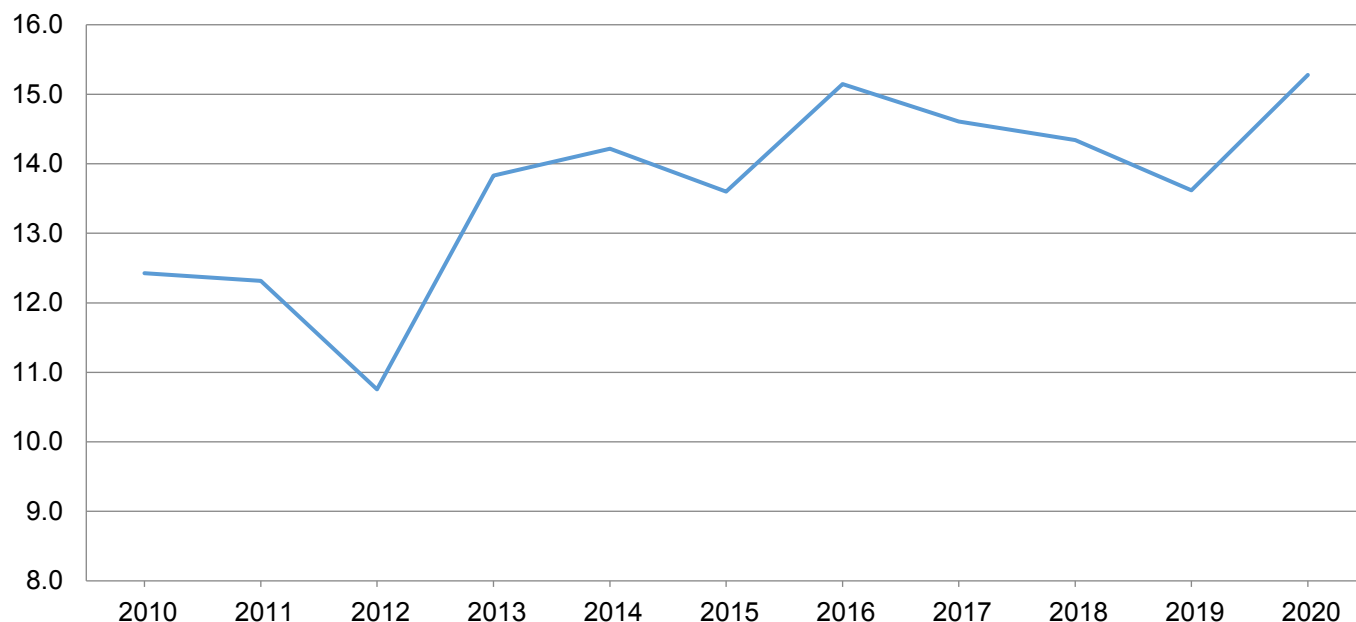
**Corn for Grain Area Harvested, Yield, and Production – States and United States: 2019 and Forecasted August 1, 2020**

State	Area harvested		Yield per acre		Production	
	2019	2020	2019	2020	2019	2020
	(1,000 acres)	(1,000 acres)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)
Alabama .....	305	355	147.0	165.0	44,835	58,575
Arkansas .....	725	625	175.0	181.0	126,875	113,125
California .....	60	50	168.0	164.0	10,080	8,200
Colorado .....	1,300	1,300	123.0	117.0	159,900	152,100
Delaware .....	180	170	161.0	170.0	28,980	28,900
Georgia .....	350	345	160.0	181.0	56,000	62,445
Idaho .....	148	130	205.0	203.0	30,340	26,390
Illinois .....	10,200	10,700	181.0	207.0	1,846,200	2,214,900
Indiana .....	4,820	5,250	169.0	188.0	814,580	987,000
Iowa .....	13,050	13,550	198.0	202.0	2,583,900	2,737,100
Kansas .....	6,020	5,750	133.0	143.0	800,660	822,250
Kentucky .....	1,450	1,430	169.0	181.0	245,050	258,830
Louisiana .....	545	565	165.0	180.0	89,925	101,700
Maryland .....	460	455	161.0	160.0	74,060	72,800
Michigan .....	1,610	1,940	147.0	168.0	236,670	325,920
Minnesota .....	7,250	7,650	173.0	197.0	1,254,250	1,507,050
Mississippi .....	620	530	174.0	180.0	107,880	95,400
Missouri .....	2,990	3,350	155.0	175.0	463,450	586,250
Nebraska .....	9,810	9,450	182.0	191.0	1,785,420	1,804,950
New York .....	545	495	158.0	167.0	86,110	82,665
North Carolina .....	930	960	111.0	131.0	103,230	125,760
North Dakota .....	3,130	2,200	131.0	155.0	410,030	341,000
Ohio .....	2,570	3,400	164.0	175.0	421,480	595,000
Oklahoma .....	330	370	137.0	130.0	45,210	48,100
Pennsylvania .....	1,060	1,000	153.0	144.0	162,180	144,000
South Carolina .....	350	360	106.0	136.0	37,100	48,960
South Dakota .....	3,870	4,920	144.0	167.0	557,280	821,640
Tennessee .....	910	900	177.0	178.0	161,070	160,200
Texas .....	2,150	2,000	133.0	138.0	285,950	276,000
Virginia .....	380	375	144.0	132.0	54,720	49,500
Washington .....	90	115	237.0	240.0	21,330	27,600
Wisconsin .....	2,670	2,900	166.0	181.0	443,220	524,900
Other States <sup>1</sup> .....	444	433	156.1	159.3	69,296	68,992
United States .....	81,322	84,023	167.4	181.8	13,617,261	15,278,202

<sup>1</sup> 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 2020 Summary*.

## Corn Production – United States

Billion bushels



### Sorghum for Grain Area Harvested, Yield, and Production – States and United States: 2019 and Forecasted August 1, 2020

State	Area harvested		Yield per acre		Production	
	2019 (1,000 acres)	2020 (1,000 acres)	2019 (bushels)	2020 (bushels)	2019 (1,000 bushels)	2020 (1,000 bushels)
Colorado .....	310	330	41.0	40.0	12,710	13,200
Kansas .....	2,400	2,550	85.0	93.0	204,000	237,150
Nebraska .....	130	120	93.0	93.0	12,090	11,160
Oklahoma .....	260	275	51.0	55.0	13,260	15,125
South Dakota .....	175	120	80.0	86.0	14,000	10,320
Texas .....	1,400	1,450	61.0	58.0	85,400	84,100
United States .....	4,675	4,845	73.0	76.6	341,460	371,055



**Oat Area Harvested, Yield, and Production – States and United States: 2019 and Forecasted August 1, 2020**

State	Area harvested		Yield per acre			Production	
	2019	2020	2019	2020		2019	2020
				July 1	August 1		
	(1,000 acres)	(1,000 acres)	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)
California .....	2	7	60.0	60.0	70.0	120	490
Idaho .....	12	13	92.0	85.0	81.0	1,104	1,053
Illinois .....	10	20	65.0	77.0	65.0	650	1,300
Iowa .....	69	80	58.0	70.0	71.0	4,002	5,680
Kansas .....	18	35	64.0	69.0	54.0	1,152	1,890
Maine .....	19	22	76.0	65.0	65.0	1,444	1,430
Michigan .....	25	35	57.0	60.0	59.0	1,425	2,065
Minnesota .....	100	130	62.0	66.0	64.0	6,200	8,320
Montana .....	24	25	55.0	50.0	60.0	1,320	1,500
Nebraska .....	18	20	63.0	68.0	55.0	1,134	1,100
New York .....	39	39	60.0	54.0	58.0	2,340	2,262
North Dakota .....	115	125	86.0	69.0	75.0	9,890	9,375
Ohio .....	25	25	46.0	59.0	61.0	1,150	1,525
Oregon .....	9	7	97.0	100.0	85.0	873	595
Pennsylvania .....	50	57	53.0	54.0	56.0	2,650	3,192
South Dakota .....	75	115	82.0	80.0	85.0	6,150	9,775
Texas .....	40	55	50.0	43.0	48.0	2,000	2,640
Wisconsin .....	120	125	54.0	66.0	59.0	6,480	7,375
Other States <sup>1</sup> .....	56	63	54.7	54.4	53.0	3,064	3,340
United States .....	826	998	64.3	65.2	65.0	53,148	64,907

<sup>1</sup> Other States include: Arkansas, Georgia, Missouri, North Carolina, and Oklahoma. Individual State level estimates will be published in the *Small Grains 2020 Summary*.

**Barley Area Harvested, Yield, and Production – States and United States: 2019 and Forecasted August 1, 2020**

State	Area harvested		Yield per acre			Production	
	2019	2020	2019	2020		2019	2020
				July 1	August 1		
	(1,000 acres)	(1,000 acres)	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)
Arizona .....	14	14	126.0	110.0	110.0	1,764	1,540
California .....	43	34	66.0	52.0	50.0	2,838	1,700
Colorado .....	52	63	138.0	131.0	140.0	7,176	8,820
Idaho .....	520	480	104.0	106.0	103.0	54,080	49,440
Minnesota .....	55	45	67.0	71.0	71.0	3,685	3,195
Montana .....	740	810	59.0	62.0	65.0	43,660	52,650
North Dakota .....	445	425	72.0	63.0	73.0	32,040	31,025
Virginia .....	7	9	65.0	66.0	68.0	455	612
Washington .....	84	97	70.0	75.0	77.0	5,880	7,469
Wyoming .....	66	60	107.0	102.0	106.0	7,062	6,360
Other States <sup>1</sup> .....	156	195	70.0	67.6	67.2	10,926	13,106
United States .....	2,182	2,232	77.7	76.1	78.8	169,566	175,917

<sup>1</sup> Other States include: Alaska, Delaware, Kansas, Maine, Maryland, Michigan, New York, North Carolina, Oregon, Pennsylvania, South Dakota, Utah, and Wisconsin. Individual State level estimates will be published in the *Small Grains 2020 Summary*.

**Winter Wheat Area Harvested, Yield, and Production – States and United States: 2019 and Forecasted August 1, 2020**

State	Area harvested		Yield per acre			Production	
	2019	2020	2019	2020		2019	2020
				July 1	August 1		
	(1,000 acres)	(1,000 acres)	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)
Arkansas .....	50	75	52.0	56.0	56.0	2,600	4,200
California .....	100	90	50.0	85.0	85.0	5,000	7,650
Colorado .....	2,000	1,550	49.0	33.0	30.0	98,000	46,500
Idaho .....	680	670	87.0	90.0	92.0	59,160	61,640
Illinois .....	550	500	67.0	68.0	68.0	36,850	34,000
Indiana .....	260	310	62.0	70.0	67.0	16,120	20,770
Kansas .....	6,500	6,400	52.0	48.0	46.0	338,000	294,400
Kentucky .....	330	375	76.0	63.0	64.0	25,080	24,000
Maryland .....	165	190	75.0	72.0	74.0	12,375	14,060
Michigan .....	480	480	71.0	80.0	77.0	34,080	36,960
Mississippi .....	21	20	47.0	43.0	43.0	987	860
Missouri .....	390	390	63.0	63.0	63.0	24,570	24,570
Montana .....	1,900	1,450	50.0	49.0	52.0	95,000	75,400
Nebraska .....	970	850	57.0	48.0	43.0	55,290	36,550
North Carolina .....	225	380	56.0	61.0	60.0	12,600	22,800
North Dakota .....	70	35	53.0	40.0	40.0	3,710	1,400
Ohio .....	385	480	56.0	75.0	71.0	21,560	34,080
Oklahoma .....	2,750	2,700	40.0	42.0	42.0	110,000	113,400
Oregon .....	730	730	68.0	60.0	59.0	49,640	43,070
South Dakota .....	770	580	52.0	51.0	60.0	40,040	34,800
Tennessee .....	215	230	67.0	61.0	61.0	14,405	14,030
Texas .....	2,050	2,100	34.0	32.0	30.0	69,700	63,000
Virginia .....	105	165	62.0	61.0	61.0	6,510	10,065
Washington .....	1,700	1,650	70.0	74.0	74.0	119,000	122,100
Wisconsin .....	150	120	64.0	70.0	71.0	9,600	8,520
Other States <sup>1</sup> .....	781	919	56.5	53.8	53.9	44,126	49,537
United States .....	24,327	23,439	53.6	52.0	51.1	1,304,003	1,198,362

<sup>1</sup> Other States include Alabama, Delaware, Georgia, New Jersey, New Mexico, New York, Pennsylvania, South Carolina, Utah, and Wyoming. Individual State level estimates will be published in the *Small Grains 2020 Summary*.

## Durum Wheat Area Harvested, Yield, and Production – States and United States: 2019 and Forecasted August 1, 2020

State	Area harvested		Yield per acre			Production	
	2019	2020	2019	2020		2019	2020
				July 1	August 1		
	(1,000 acres)	(1,000 acres)	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)
Arizona .....	33	52	104.0	110.0	110.0	3,432	5,720
California .....	22	22	102.0	90.0	90.0	2,244	1,980
Idaho .....	5	10	87.0	87.0	87.0	435	870
Montana .....	515	590	43.0	34.0	38.0	22,145	22,420
North Dakota .....	600	770	42.5	35.0	40.0	25,500	30,800
United States .....	1,175	1,444	45.7	38.5	42.8	53,756	61,790

## Other Spring Wheat Area Harvested, Yield, and Production – States and United States: 2019 and Forecasted August 1, 2020

State	Area harvested		Yield per acre			Production	
	2019	2020	2019	2020		2019	2020
				July 1	August 1		
	(1,000 acres)	(1,000 acres)	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)
Idaho .....	440	510	89.0	84.0	82.0	39,160	41,820
Minnesota .....	1,400	1,260	57.0	57.0	58.0	79,800	73,080
Montana .....	2,760	2,850	37.0	38.0	40.0	102,120	114,000
North Dakota .....	5,950	5,850	49.0	45.0	48.0	291,550	280,800
South Dakota .....	605	815	43.0	41.0	45.0	26,015	36,675
Washington .....	505	510	47.0	60.0	61.0	23,735	31,110
United States .....	11,660	11,795	48.2	46.6	49.0	562,380	577,485

## Wheat Production by Class – United States: 2019 and Forecasted August 1, 2020

[Wheat class estimates are based on the latest available data including both surveys and administrative data. The previous end-of-year season class percentages are used throughout the forecast season for States that do not have survey or administrative data available]

Crop	2019		2020	
	(1,000 bushels)		(1,000 bushels)	
<b>Winter</b>				
Hard red .....		833,181		695,365
Soft red .....		239,166		276,882
Hard white .....		19,954		14,558
Soft white .....		211,702		211,557
<b>Spring</b>				
Hard red .....		521,557		529,683
Hard white .....		11,831		12,750
Soft white .....		28,992		35,052
Durum .....		53,756		61,790
<b>Total</b> .....		1,920,139		1,837,637

**Rice Area Harvested, Yield, and Production – States and United States: 2019 and Forecasted August 1, 2020**

State	Area harvested		Yield per acre		Production <sup>1</sup>	
	2019	2020	2019	2020	2019	2020
	(1,000 acres)	(1,000 acres)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)
Arkansas .....	1,126	1,401	7,480	7,550	84,257	105,776
California .....	496	504	8,450	8,500	41,933	42,840
Louisiana .....	414	424	6,380	7,150	26,408	30,316
Mississippi .....	113	149	7,350	7,400	8,302	11,026
Missouri .....	173	214	7,370	7,500	12,747	16,050
Texas .....	150	178	7,350	6,800	11,028	12,104
United States .....	2,472	2,870	7,471	7,600	184,675	218,112

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

**Rice Production by Class – United States: 2019 and Forecasted August 1, 2020**

Year	Long grain	Medium grain	Short grain <sup>1</sup>	All
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
2019 .....	125,610	56,669	2,396	184,675
2020 <sup>2</sup> .....	159,097	55,733	3,282	218,112

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

<sup>2</sup> The 2020 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.

**Alfalfa and Alfalfa Mixtures for Hay Area Harvested, Yield, and Production – States and United States: 2019 and Forecasted August 1, 2020**

State	Area harvested		Yield		Production	
	2019 (1,000 acres)	2020 (1,000 acres)	2019 (tons)	2020 (tons)	2019 (1,000 tons)	2020 (1,000 tons)
Arizona .....	280	270	8.30	8.40	2,324	2,268
California .....	580	435	7.10	7.00	4,118	3,045
Colorado .....	730	710	3.70	3.00	2,701	2,130
Idaho .....	1,010	1,010	4.40	4.30	4,444	4,343
Illinois .....	200	240	3.50	3.30	700	792
Indiana .....	220	220	3.00	3.00	660	660
Iowa .....	700	730	3.40	3.50	2,380	2,555
Kansas .....	630	530	4.00	3.80	2,520	2,014
Kentucky .....	145	140	3.20	3.30	464	462
Michigan .....	550	550	2.50	2.10	1,375	1,155
Minnesota .....	730	740	3.10	2.70	2,263	1,998
Missouri .....	260	230	2.70	2.50	702	575
Montana .....	2,100	1,900	2.15	2.20	4,515	4,180
Nebraska .....	950	970	3.80	3.90	3,610	3,783
Nevada .....	225	175	4.90	4.60	1,103	805
New Mexico .....	160	155	4.90	4.80	784	744
New York .....	290	280	2.20	2.10	638	588
North Dakota .....	1,220	1,450	1.80	2.00	2,196	2,900
Ohio .....	330	320	2.90	2.80	957	896
Oklahoma .....	205	220	3.00	3.20	615	704
Oregon .....	400	370	4.70	4.60	1,880	1,702
Pennsylvania .....	290	295	3.00	2.60	870	767
South Dakota .....	1,900	1,850	2.35	2.20	4,465	4,070
Texas .....	120	110	4.80	3.90	576	429
Utah .....	510	520	4.30	3.90	2,193	2,028
Virginia .....	45	40	3.00	3.20	135	128
Washington .....	330	400	4.60	4.80	1,518	1,920
Wisconsin .....	880	740	2.40	2.60	2,112	1,924
Wyoming .....	620	610	2.70	2.80	1,674	1,708
Other States <sup>1</sup> .....	133	142	2.88	2.73	383	387
United States .....	16,743	16,352	3.28	3.16	54,875	51,660

<sup>1</sup> Other States include Arkansas, Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, North Carolina, Rhode Island, Tennessee, Vermont, and West Virginia. Individual State level estimates will be published in the *Crop Production 2020 Summary*.

**All Other Hay Area Harvested, Yield, and Production – States and United States: 2019 and Forecasted August 1, 2020**

State	Area harvested		Yield per acre		Production	
	2019 (1,000 acres)	2020 (1,000 acres)	2019 (tons)	2020 (tons)	2019 (1,000 tons)	2020 (1,000 tons)
Alabama <sup>1</sup> .....	700	720	2.50	2.70	1,750	1,944
Arkansas .....	1,250	1,340	2.20	1.90	2,750	2,546
California .....	430	390	3.90	4.20	1,677	1,638
Colorado .....	730	700	1.85	1.90	1,351	1,330
Georgia <sup>1</sup> .....	560	610	2.75	2.80	1,540	1,708
Idaho .....	290	290	2.30	2.50	667	725
Illinois .....	220	250	2.00	2.40	440	600
Indiana .....	300	280	2.10	2.20	630	616
Iowa .....	320	330	2.30	2.40	736	792
Kansas .....	1,650	2,200	2.30	1.90	3,795	4,180
Kentucky .....	1,800	1,800	2.20	2.50	3,960	4,500
Louisiana <sup>1</sup> .....	390	380	2.50	2.70	975	1,026
Michigan .....	230	230	2.10	1.90	483	437
Minnesota .....	370	360	1.90	1.60	703	576
Mississippi <sup>1</sup> .....	610	620	2.30	2.10	1,403	1,302
Missouri .....	3,100	3,000	2.15	2.00	6,665	6,000
Montana .....	900	950	1.90	1.60	1,710	1,520
Nebraska .....	1,500	1,700	1.65	1.70	2,475	2,890
New York .....	890	800	1.80	1.50	1,602	1,200
North Carolina .....	810	770	2.30	2.30	1,863	1,771
North Dakota .....	1,200	1,050	1.60	1.50	1,920	1,575
Ohio .....	590	580	2.00	1.80	1,180	1,044
Oklahoma .....	2,800	2,700	1.90	1.70	5,320	4,590
Oregon .....	570	600	2.60	2.00	1,482	1,200
Pennsylvania .....	920	900	2.30	1.90	2,116	1,710
South Dakota .....	1,450	1,500	1.75	1.80	2,538	2,700
Tennessee .....	1,750	1,800	2.30	2.30	4,025	4,140
Texas .....	4,800	4,700	1.80	2.05	8,640	9,635
Virginia .....	1,100	1,130	2.20	2.25	2,420	2,543
Washington .....	310	300	3.00	2.80	930	840
West Virginia .....	500	510	1.70	1.80	850	918
Wisconsin .....	420	330	1.60	2.10	672	693
Wyoming .....	530	510	1.55	1.60	822	816
Other States <sup>2</sup> .....	1,692	1,699	2.30	2.29	3,899	3,885
United States .....	35,682	36,029	2.07	2.04	73,989	73,590

<sup>1</sup> Alfalfa and alfalfa mixtures included in all other hay.

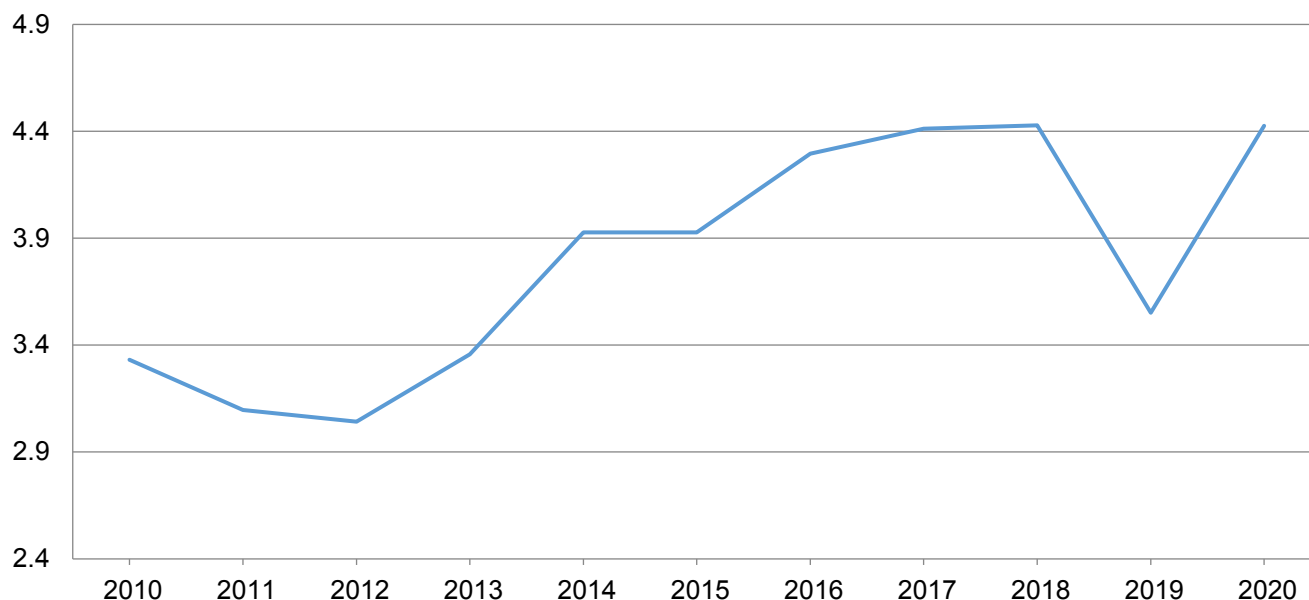
<sup>2</sup> Other States include Alaska, Arizona, Connecticut, Delaware, Florida, Maine, Maryland, Massachusetts, Nevada, New Hampshire, New Jersey, New Mexico, Rhode Island, South Carolina, Utah, and Vermont. Individual State level estimates will be published in the *Crop Production 2020 Summary*.

**Soybeans for Beans Area Harvested, Yield, and Production – States and United States: 2019 and Forecasted August 1, 2020**

State	Area harvested		Yield per acre		Production	
	2019 (1,000 acres)	2020 (1,000 acres)	2019 (bushels)	2020 (bushels)	2019 (1,000 bushels)	2020 (1,000 bushels)
Alabama .....	260	305	36.0	41.0	9,360	12,505
Arkansas .....	2,610	2,910	49.0	49.0	127,890	142,590
Delaware .....	153	148	47.0	48.0	7,191	7,104
Georgia .....	93	84	29.0	37.0	2,697	3,108
Illinois .....	9,860	10,350	54.0	64.0	532,440	662,400
Indiana .....	5,360	5,680	51.0	61.0	273,360	346,480
Iowa .....	9,120	9,320	55.0	58.0	501,600	540,560
Kansas .....	4,490	5,250	41.5	46.0	186,335	241,500
Kentucky .....	1,690	1,840	46.0	54.0	77,740	99,360
Louisiana .....	860	1,070	48.0	55.0	41,280	58,850
Maryland .....	475	415	44.0	47.0	20,900	19,505
Michigan .....	1,720	2,290	40.5	51.0	69,660	116,790
Minnesota .....	6,770	7,330	44.0	51.0	297,880	373,830
Mississippi .....	1,630	1,970	50.0	55.0	81,500	108,350
Missouri .....	5,010	5,550	46.0	53.0	230,460	294,150
Nebraska .....	4,840	4,950	58.5	62.0	283,140	306,900
New Jersey .....	92	78	37.0	41.0	3,404	3,198
New York .....	225	280	48.0	50.0	10,800	14,000
North Carolina .....	1,520	1,570	35.0	37.0	53,200	58,090
North Dakota .....	5,400	5,950	31.5	36.0	170,100	214,200
Ohio .....	4,270	4,780	49.0	58.0	209,230	277,240
Oklahoma .....	440	520	29.0	31.0	12,760	16,120
Pennsylvania .....	610	605	49.0	47.0	29,890	28,435
South Carolina .....	320	350	26.0	32.0	8,320	11,200
South Dakota .....	3,440	5,150	42.5	50.0	146,200	257,500
Tennessee .....	1,370	1,570	47.0	49.0	64,390	76,930
Texas .....	73	115	28.0	31.0	2,044	3,565
Virginia .....	560	560	34.0	37.0	19,040	20,720
Wisconsin .....	1,690	2,030	47.0	54.0	79,430	109,620
United States .....	74,951	83,020	47.4	53.3	3,552,241	4,424,800

# Soybean Production – United States

Billion bushels



## Peanut Area Harvested, Yield, and Production – States and United States: 2019 and Forecasted August 1, 2020

State	Area harvested		Yield per acre		Production	
	2019 (1,000 acres)	2020 (1,000 acres)	2019 (pounds)	2020 (pounds)	2019 (1,000 pounds)	2020 (1,000 pounds)
Alabama .....	158.0	167.0	3,350	4,100	529,300	684,700
Arkansas .....	33.0	34.0	5,200	4,900	171,600	166,600
Florida .....	155.0	160.0	3,800	4,100	589,000	656,000
Georgia .....	660.0	700.0	4,200	4,600	2,772,000	3,220,000
Mississippi .....	19.0	24.0	4,000	4,500	76,000	108,000
New Mexico .....	4.7	5.0	3,210	3,100	15,087	15,500
North Carolina .....	102.0	103.0	4,350	4,000	443,700	412,000
Oklahoma .....	14.0	11.0	4,100	3,800	57,400	41,800
South Carolina .....	62.0	72.0	3,800	3,800	235,600	273,600
Texas .....	160.0	170.0	3,100	3,100	496,000	527,000
Virginia .....	24.0	27.0	4,600	4,000	110,400	108,000
United States .....	1,391.7	1,473.0	3,949	4,218	5,496,087	6,213,200



**Cotton Area Harvested, Yield, and Production by Type – States and United States: 2019 and Forecasted August 1, 2020**

Type and State	Area harvested		Yield per acre		Production <sup>1</sup>	
	2019	2020	2019	2020	2019	2020
	(1,000 acres)	(1,000 acres)	(pounds)	(pounds)	(1,000 bales) <sup>2</sup>	(1,000 bales) <sup>2</sup>
<b>Upland</b>						
Alabama .....	532.0	465.0	928	981	1,028.0	950.0
Arizona .....	158.0	123.0	1,154	1,483	380.0	380.0
Arkansas .....	610.0	490.0	1,185	1,195	1,506.0	1,220.0
California .....	53.0	39.0	1,576	1,662	174.0	135.0
Florida .....	110.0	93.0	895	852	205.0	165.0
Georgia .....	1,380.0	1,220.0	953	1,003	2,740.0	2,550.0
Kansas .....	151.0	190.0	890	947	280.0	375.0
Louisiana .....	270.0	195.0	1,035	1,132	582.0	460.0
Mississippi .....	700.0	515.0	1,112	1,240	1,621.0	1,330.0
Missouri .....	368.0	303.0	1,193	1,331	915.0	840.0
New Mexico .....	45.0	40.0	821	1,140	77.0	95.0
North Carolina .....	500.0	350.0	998	823	1,040.0	600.0
Oklahoma .....	460.0	560.0	688	814	659.0	950.0
South Carolina .....	295.0	185.0	809	830	497.0	320.0
Tennessee .....	405.0	345.0	1,138	1,078	960.0	775.0
Texas .....	5,250.0	3,850.0	578	773	6,320.0	6,200.0
Virginia .....	102.0	94.0	1,144	919	243.0	180.0
United States .....	11,389.0	9,057.0	810	929	19,227.0	17,525.0
<b>American Pima</b>						
Arizona .....	7.5	7.0	800	1,097	12.5	16.0
California .....	201.0	164.0	1,545	1,463	647.0	500.0
New Mexico .....	5.0	7.9	864	942	9.0	15.5
Texas .....	10.0	11.0	816	1,004	17.0	23.0
United States .....	223.5	189.9	1,472	1,402	685.5	554.5
<b>All</b>						
Alabama .....	532.0	465.0	928	981	1,028.0	950.0
Arizona .....	165.5	130.0	1,138	1,462	392.5	396.0
Arkansas .....	610.0	490.0	1,185	1,195	1,506.0	1,220.0
California .....	254.0	203.0	1,551	1,501	821.0	635.0
Florida .....	110.0	93.0	895	852	205.0	165.0
Georgia .....	1,380.0	1,220.0	953	1,003	2,740.0	2,550.0
Kansas .....	151.0	190.0	890	947	280.0	375.0
Louisiana .....	270.0	195.0	1,035	1,132	582.0	460.0
Mississippi .....	700.0	515.0	1,112	1,240	1,621.0	1,330.0
Missouri .....	368.0	303.0	1,193	1,331	915.0	840.0
New Mexico .....	50.0	47.9	826	1,107	86.0	110.5
North Carolina .....	500.0	350.0	998	823	1,040.0	600.0
Oklahoma .....	460.0	560.0	688	814	659.0	950.0
South Carolina .....	295.0	185.0	809	830	497.0	320.0
Tennessee .....	405.0	345.0	1,138	1,078	960.0	775.0
Texas .....	5,260.0	3,861.0	578	774	6,337.0	6,223.0
Virginia .....	102.0	94.0	1,144	919	243.0	180.0
United States .....	11,612.5	9,246.9	823	938	19,912.5	18,079.5

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

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

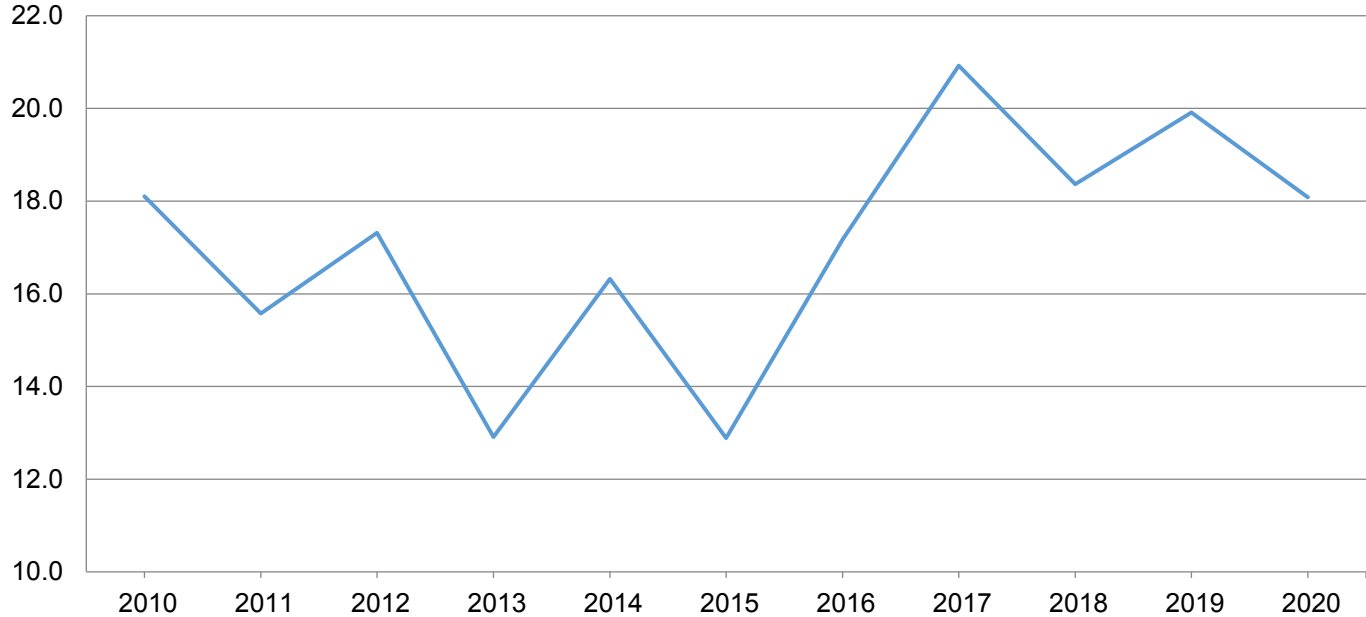
**Cottonseed Production – United States: 2019 and Forecasted August 1, 2020**

State	Production	
	2019	2020 <sup>1</sup>
	(1,000 tons)	(1,000 tons)
United States .....	5,945.0	5,530.0

<sup>1</sup> Based on a 3-year average lint-seed ratio.

# Cotton Production - United States

Million bales



## Dry Edible Bean Area Planted and Harvested – States and United States: 2019 and 2020

[Includes updates to planted and harvested area previously published. Excludes beans grown for garden seed and chickpeas]

State	Area planted		Area harvested	
	2019	2020	2019	2020 <sup>1</sup>
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
California .....	27.4	26.0	27.4	26.0
Colorado .....	37.0	53.0	33.8	49.0
Idaho .....	47.0	41.0	45.0	39.0
Michigan .....	185.0	258.0	180.0	255.0
Minnesota .....	210.0	255.0	201.0	244.0
Nebraska .....	120.0	140.0	97.0	126.0
North Dakota .....	615.0	790.0	550.0	770.0
Washington .....	25.0	41.0	25.0	40.0
Wyoming .....	21.0	24.0	17.3	22.0
United States .....	1,287.4	1,628.0	1,176.5	1,571.0

<sup>1</sup> Forecasted.

## Dry Edible Bean Area Harvested, Yield, and Production – States and United States: 2019 and Forecasted August 1, 2020

[Excludes beans grown for garden seed and chickpeas]

State	Area harvested		Yield per acre <sup>1</sup>		Production <sup>1</sup>	
	2019	2020	2019	2020	2019	2020
	(1,000 acres)	(1,000 acres)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)
California .....	27.4	26.0	2,660	2,300	729	598
Colorado .....	33.8	49.0	1,840	2,020	623	990
Idaho .....	45.0	39.0	2,370	2,350	1,067	917
Michigan .....	180.0	255.0	2,030	2,300	3,662	5,865
Minnesota .....	201.0	244.0	2,040	2,480	4,101	6,051
Nebraska .....	97.0	126.0	1,940	2,300	1,883	2,898
North Dakota .....	550.0	770.0	1,400	1,800	7,691	13,860
Washington .....	25.0	40.0	2,660	2,700	665	1,080
Wyoming .....	17.3	22.0	2,250	2,490	390	548
United States .....	1,176.5	1,571.0	1,769	2,088	20,811	32,807

<sup>1</sup> Clean basis.

## Dry Edible Bean Area Planted by Commercial Class – States and United States: 2019 and Forecasted August 1, 2020

[Excludes beans grown for garden seed and chickpeas]

Class and State	2019	2020
	(1,000 acres)	(1,000 acres)
<b>Large lima</b>		
California .....	7.3	8.0
Colorado .....	-	-
Idaho .....	(D)	(D)
Michigan .....	-	-
Minnesota .....	-	-
Nebraska .....	-	-
North Dakota .....	-	-
Washington .....	(D)	(D)
Wyoming .....	-	-
Other States <sup>1</sup> .....	1.6	0.7
United States .....	8.9	8.7
<b>Baby lima</b>		
California .....	7.9	4.1
Colorado .....	-	-
Idaho .....	(D)	(D)
Michigan .....	-	-
Minnesota .....	-	-
Nebraska .....	-	-
North Dakota .....	-	-
Washington .....	(D)	(D)
Wyoming .....	-	-
Other States <sup>1</sup> .....	1.4	2.0
United States .....	9.3	6.1
<b>Navy</b>		
California .....	-	(D)
Colorado .....	-	(D)
Idaho .....	1.3	1.0
Michigan .....	55.0	87.0
Minnesota .....	39.3	46.9
Nebraska .....	(D)	(D)
North Dakota .....	75.0	96.0
Washington .....	(D)	(D)
Wyoming .....	(D)	0.7
Other States <sup>1</sup> .....	1.9	2.6
United States .....	172.5	234.2

See footnote(s) at end of table.

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**Dry Edible Bean Area Planted by Commercial Class – States and United States: 2019 and Forecasted August 1, 2020** (continued)

[Excludes beans grown for garden seed and chickpeas]

Class and State	2019 (1,000 acres)	2020 (1,000 acres)
<b>Great northern</b>		
California .....	-	-
Colorado .....	(D)	1.6
Idaho .....	3.7	3.2
Michigan .....	(D)	(D)
Minnesota .....	(D)	(D)
Nebraska .....	48.0	42.8
North Dakota .....	4.4	4.0
Washington .....	0.7	1.3
Wyoming .....	1.3	1.5
Other States <sup>1</sup> .....	4.4	7.4
United States .....	62.5	61.8
<b>Small white</b>		
California .....	-	-
Colorado .....	(D)	-
Idaho .....	1.2	0.9
Michigan .....	(D)	(D)
Minnesota .....	(D)	(D)
Nebraska .....	(D)	(D)
North Dakota .....	-	-
Washington .....	(D)	(D)
Wyoming .....	-	-
Other States <sup>1</sup> .....	4.0	4.7
United States .....	5.2	5.6

See footnote(s) at end of table.

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**Dry Edible Bean Area Planted by Commercial Class – States and United States: 2019 and Forecasted August 1, 2020** (continued)

[Excludes beans grown for garden seed and chickpeas]

Class and State	2019 (1,000 acres)	2020 (1,000 acres)
<b>Pinto</b>		
California .....	-	-
Colorado .....	25.5	36.0
Idaho .....	14.0	17.0
Michigan .....	3.5	2.5
Minnesota .....	11.4	18.2
Nebraska .....	51.0	64.6
North Dakota .....	368.0	532.0
Washington .....	7.0	13.7
Wyoming .....	15.0	17.0
Other States <sup>1</sup> .....	-	-
United States .....	495.4	701.0
<b>Light red kidney</b>		
California .....	(D)	(D)
Colorado .....	5.6	8.6
Idaho .....	2.0	2.0
Michigan .....	6.6	8.0
Minnesota .....	20.1	22.8
Nebraska .....	11.0	15.7
North Dakota .....	(D)	(D)
Washington .....	(D)	(D)
Wyoming .....	-	(D)
Other States <sup>1</sup> .....	3.3	4.2
United States .....	48.6	61.3
<b>Dark red kidney</b>		
California .....	(D)	(D)
Colorado .....	-	(D)
Idaho .....	3.4	3.1
Michigan .....	3.0	3.0
Minnesota .....	65.8	81.8
Nebraska .....	(D)	(D)
North Dakota .....	(D)	7.7
Washington .....	(D)	(D)
Wyoming .....	-	-
Other States <sup>1</sup> .....	6.1	2.8
United States .....	78.3	98.4

See footnote(s) at end of table.

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**Dry Edible Bean Area Planted by Commercial Class – States and United States: 2019 and Forecasted August 1, 2020** (continued)

[Excludes beans grown for garden seed and chickpeas]

Class and State	2019 (1,000 acres)	2020 (1,000 acres)
<b>Pink</b>		
California .....	(D)	-
Colorado .....	-	(D)
Idaho .....	5.1	3.0
Michigan .....	-	-
Minnesota .....	(D)	(D)
Nebraska .....	-	-
North Dakota .....	8.2	4.7
Washington .....	(D)	(D)
Wyoming .....	-	-
Other States <sup>1</sup> .....	5.3	5.1
United States .....	18.6	12.8
<b>Small red</b>		
California .....	-	-
Colorado .....	-	(D)
Idaho .....	3.5	2.2
Michigan .....	11.0	21.0
Minnesota .....	(D)	(D)
Nebraska .....	-	(D)
North Dakota .....	11.5	13.8
Washington .....	2.7	5.4
Wyoming .....	(D)	-
Other States <sup>1</sup> .....	2.2	2.4
United States .....	30.9	44.8
<b>Cranberry</b>		
California .....	0.3	(D)
Colorado .....	(D)	-
Idaho .....	1.3	(D)
Michigan .....	2.7	3.0
Minnesota .....	(D)	(D)
Nebraska .....	-	(D)
North Dakota .....	(D)	(D)
Washington .....	1.4	1.9
Wyoming .....	-	-
Other States <sup>1</sup> .....	4.3	2.8
United States .....	10.0	7.7

See footnote(s) at end of table.

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**Dry Edible Bean Area Planted by Commercial Class – States and United States: 2019 and Forecasted August 1, 2020** (continued)

[Excludes beans grown for garden seed and chickpeas]

Class and State	2019 (1,000 acres)	2020 (1,000 acres)
<b>Black</b>		
California .....	(D)	-
Colorado .....	(D)	1.1
Idaho .....	5.4	2.3
Michigan .....	95.0	125.0
Minnesota .....	55.1	65.5
Nebraska .....	(D)	5.6
North Dakota .....	130.0	126.0
Washington .....	5.0	5.8
Wyoming .....	(D)	1.5
Other States <sup>1</sup> .....	6.2	-
United States .....	296.7	332.8
<b>Blackeye</b>		
California .....	6.2	8.3
Colorado .....	(D)	1.2
Idaho .....	(D)	(D)
Michigan .....	-	-
Minnesota .....	-	-
Nebraska .....	(D)	(D)
North Dakota .....	(D)	(D)
Washington .....	(D)	(D)
Wyoming .....	-	(D)
Other States <sup>1</sup> .....	7.5	9.9
United States .....	13.7	19.4
<b>Other</b>		
California .....	4.3	3.7
Colorado .....	2.2	3.7
Idaho .....	5.0	5.0
Michigan .....	(D)	(D)
Minnesota .....	(D)	(D)
Nebraska .....	(D)	(D)
North Dakota .....	9.6	(D)
Washington .....	1.6	3.4
Wyoming .....	(D)	(D)
Other States <sup>1</sup> .....	14.1	17.6
United States .....	36.8	33.4

- Represents zero.

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

<sup>1</sup> Includes data withheld above.



## Sugarbeet Area Harvested, Yield, and Production — States and United States: 2019 and Forecasted August 1, 2020

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

State	Area harvested		Yield per acre		Production	
	2019	2020	2019	2020	2019	2020
	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(1,000 tons)	(1,000 tons)
California <sup>1</sup> .....	24.5	24.4	44.1	45.3	1,080	1,105
Colorado .....	24.4	24.0	30.7	33.3	749	799
Idaho .....	165.0	166.0	39.0	39.8	6,435	6,607
Michigan .....	145.0	152.0	28.6	29.6	4,147	4,499
Minnesota .....	336.0	420.0	25.0	29.0	8,400	12,180
Montana .....	36.5	42.6	31.6	32.5	1,153	1,385
Nebraska .....	42.1	45.8	25.4	32.4	1,069	1,484
North Dakota .....	170.0	211.0	26.0	28.5	4,420	6,014
Oregon .....	9.8	9.0	38.5	39.8	377	358
Washington .....	2.0	1.8	45.4	47.7	91	86
Wyoming .....	24.0	30.2	28.3	29.0	679	876
United States .....	979.3	1,126.8	29.2	31.4	28,600	35,393

<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: 2019 and Forecasted August 1, 2020

State	Area harvested		Yield per acre <sup>1</sup>		Production <sup>1</sup>	
	2019	2020	2019	2020	2019	2020
	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(1,000 tons)	(1,000 tons)
Florida .....	410.7	408.0	43.0	44.1	17,644	17,993
Louisiana .....	469.0	480.0	28.1	30.6	13,161	14,688
Texas .....	33.5	36.4	33.8	21.9	1,132	797
United States .....	913.2	924.4	35.0	36.2	31,937	33,478

<sup>1</sup> Net tons.

## Tobacco Area Harvested, Yield, and Production – States and United States: 2019 and Forecasted August 1, 2020

State	Area harvested		Yield per acre		Production	
	2019	2020	2019	2020	2019	2020
	(acres)	(acres)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)
Georgia .....	9,000	7,200	2,100	2,200	18,900	15,840
Kentucky .....	57,400	50,300	2,150	2,071	123,390	104,180
North Carolina .....	117,400	100,300	1,999	1,699	234,700	170,435
Pennsylvania .....	5,700	4,800	2,509	2,323	14,300	11,150
South Carolina .....	8,300	6,000	1,900	1,500	15,770	9,000
Tennessee .....	13,300	13,500	2,292	2,307	30,490	31,140
Virginia .....	16,020	14,650	1,898	2,088	30,406	30,595
United States .....	227,120	196,750	2,060	1,892	467,956	372,340

**Tobacco Area Harvested, Yield, and Production by Class and Type – States and United States: 2019 and Forecasted August 1, 2020**

Class, type, and State	Area harvested		Yield per acre			Production	
	2019	2020	2019	2020		2019	2020
				July 1	August 1		
	(acres)	(acres)	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)
<b>Class 1, Flue-cured (11-14)</b>							
Georgia .....	9,000	7,200	2,100	2,200	2,200	18,900	15,840
North Carolina .....	117,000	100,000	2,000	1,900	1,700	234,000	170,000
South Carolina .....	8,300	6,000	1,900	1,700	1,500	15,770	9,000
Virginia .....	15,000	14,000	1,900	2,000	2,100	28,500	29,400
United States .....	149,300	127,200	1,990	1,919	1,763	297,170	224,240
<b>Class 2, Fire-cured (21-23)</b>							
Kentucky .....	9,500	7,900	2,900	(NA)	3,000	27,550	23,700
Tennessee .....	6,300	5,300	2,800	(NA)	2,950	17,640	15,635
Virginia .....	320	250	1,800	(NA)	1,900	576	475
United States .....	16,120	13,450	2,839	(NA)	2,960	45,766	39,810
<b>Class 3A, Light air-cured</b>							
Type 31, Burley							
Kentucky .....	41,000	36,000	1,900	(NA)	1,800	77,900	64,800
North Carolina .....	400	300	1,750	(NA)	1,450	700	435
Pennsylvania .....	2,500	2,100	2,600	(NA)	2,300	6,500	4,830
Tennessee .....	4,000	4,700	1,600	(NA)	1,400	6,400	6,580
Virginia .....	700	400	1,900	(NA)	1,800	1,330	720
United States .....	48,600	43,500	1,910	(NA)	1,779	92,830	77,365
Type 32, Southern Maryland Belt							
Pennsylvania .....	1,000	400	2,300	(NA)	2,000	2,300	800
United States .....	1,000	400	2,300	(NA)	2,000	2,300	800
<b>Total light air-cured (31-32) .....</b>	<b>49,600</b>	<b>43,900</b>	<b>1,918</b>	<b>(NA)</b>	<b>1,781</b>	<b>95,130</b>	<b>78,165</b>
<b>Class 3B, Dark air-cured (35-37)</b>							
Kentucky .....	6,900	6,400	2,600	(NA)	2,450	17,940	15,680
Tennessee .....	3,000	3,500	2,150	(NA)	2,550	6,450	8,925
United States .....	9,900	9,900	2,464	(NA)	2,485	24,390	24,605
<b>Class 4, Cigar filler</b>							
Type 41, Pennsylvania Seedleaf							
Pennsylvania .....	2,200	2,300	2,500	(NA)	2,400	5,500	5,520
United States .....	2,200	2,300	2,500	(NA)	2,400	5,500	5,520
<b>All tobacco</b>							
United States .....	227,120	196,750	2,060	(NA)	1,892	467,956	372,340

(NA) Not available.

**Hop Area Harvested, Yield, and Production – States and United States: 2019 and Forecasted August 1, 2020**

State	Area harvested		Yield per acre		Production	
	2019	2020	2019	2020	2019	2020
	(acres)	(acres)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)
Idaho .....	8,358	9,350	2,034	2,010	17,003.1	18,793.5
Oregon .....	7,306	7,450	1,783	1,730	13,023.2	12,888.5
Washington .....	40,880	42,350	2,006	2,020	82,014.9	85,547.0
United States .....	56,544	59,150	1,981	1,982	112,041.2	117,229.0

**Potato Area Planted for Certified Seed – Selected States and Total: 2019 and 2020**

[Data supplied by State seed certification officials]

State	2019 Crop			2020 Crop
	Entered for certification	Certified	Percent certified	Entered for certification
	(acres)	(acres)	(percent)	(acres)
Alaska .....	32	32	100	(NA)
Arizona .....	381	381	100	737
California .....	940	940	100	820
Colorado .....	8,413	7,609	90	6,740
Idaho <sup>1</sup> .....	30,180	30,044	100	(NA)
Maine .....	10,118	9,806	97	9,414
Michigan .....	2,569	2,569	100	2,472
Minnesota .....	6,134	5,507	90	6,267
Montana .....	10,440	10,440	100	10,893
Nebraska .....	5,965	4,760	80	6,453
Nevada .....	109	109	100	327
New York .....	599	590	98	593
North Dakota .....	13,236	13,036	98	14,933
Oregon .....	2,581	2,542	98	2,877
Pennsylvania .....	437	374	86	397
Washington .....	3,526	3,487	99	3,526
Wisconsin .....	9,240	9,200	100	(NA)
Wyoming .....	562	484	86	770
Total .....	105,462	101,910	97	(X)

(NA) Not available.

(X) Not applicable.

<sup>1</sup> Includes certified acreage in northern Utah.

### Commercial Apple Production – States and United States: 2019 and Forecasted August 1, 2020

State	Total production	
	2019	2020
	(million pounds)	(million pounds)
California .....	305.0	270.0
Michigan .....	946.0	920.0
New York .....	1,320.0	1,300.0
Oregon .....	150.0	180.0
Pennsylvania .....	507.0	420.0
Virginia .....	190.0	160.0
Washington .....	7,600.0	7,400.0
United States .....	11,018.0	10,650.0

### Cranberry Production – States and United States: 2019 and Forecasted August 1, 2020

[A barrel weighs 100 lbs]

State	Total production	
	2019	2020
	(barrels)	(barrels)
Massachusetts .....	2,160,000	2,400,000
New Jersey .....	529,000	540,000
Oregon .....	558,000	530,000
Wisconsin .....	4,670,000	5,500,000
United States .....	7,917,000	8,970,000

### Grape Production – States and United States: 2019 and Forecasted August 1, 2020

State	Total production	
	2019	2020
	(tons)	(tons)
California .....	6,480,000	6,750,000
Raisin <sup>1</sup> .....	1,300,000	1,400,000
Table <sup>1</sup> .....	1,180,000	1,350,000
Wine .....	4,000,000	4,000,000
Washington .....	391,000	430,000
Juice .....	190,000	170,000
Wine .....	201,000	260,000
United States .....	6,871,000	7,180,000

<sup>1</sup> Fresh basis.

**Peach Production – States and United States: 2019 and Forecasted August 1, 2020**

State	Total production	
	2019	2020
	(tons)	(tons)
California .....	498,000	490,000
Freestone .....	234,000	220,000
Clingstone .....	264,000	270,000
Colorado .....	14,300	3,000
Georgia .....	39,100	28,000
Michigan .....	4,800	5,500
New Jersey .....	19,500	11,500
Pennsylvania .....	19,750	15,000
South Carolina .....	75,000	80,000
Washington .....	11,150	12,500
United States .....	681,600	645,500

**Pear Production – States and United States: 2019 and Forecasted August 1, 2020**

State	Total production	
	2019	2020
	(tons)	(tons)
California .....	163,000	160,000
Oregon .....	236,000	250,000
Washington .....	330,000	390,000
United States .....	729,000	800,000

## Crop Area Planted and Harvested, Yield, and Production in Domestic Units – United States: 2019 and 2020

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2020 crop year. Blank data cells indicate estimation period has not yet begun]

Crop	Area planted		Area harvested	
	2019	2020	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
<b>Grains and hay</b>				
Barley .....	2,721	2,797	2,182	2,232
Corn for grain <sup>1</sup> .....	89,700	92,006	81,322	84,023
Corn for silage .....	(NA)		6,587	
Hay, all .....	(NA)	(NA)	52,425	52,381
Alfalfa .....	(NA)	(NA)	16,743	16,352
All other .....	(NA)	(NA)	35,682	36,029
Oats .....	2,810	3,134	826	998
Proso millet .....	506	511	465	
Rice .....	2,540	2,921	2,472	2,870
Rye .....	1,865	2,255	310	393
Sorghum for grain <sup>1</sup> .....	5,265	5,620	4,675	4,845
Sorghum for silage .....	(NA)		339	
Wheat, all .....	45,158	44,250	37,162	36,678
Winter .....	31,159	30,550	24,327	23,439
Durum .....	1,339	1,500	1,175	1,444
Other spring .....	12,660	12,200	11,660	11,795
<b>Oilseeds</b>				
Canola .....	2,040.0	1,868.0	1,910.0	1,828.0
Cottonseed .....	(X)	(X)	(X)	(X)
Flaxseed .....	374	355	319	328
Mustard seed .....	98.0	98.0	90.0	93.0
Peanuts .....	1,427.7	1,514.0	1,391.7	1,473.0
Rapeseed .....	11.3	12.5	10.4	11.8
Safflower .....	165.8	145.0	152.7	137.5
Soybeans for beans .....	76,100	83,825	74,951	83,020
Sunflower .....	1,350.6	1,543.5	1,244.5	1,473.5
<b>Cotton, tobacco, and sugar crops</b>				
Cotton, all .....	13,735.7	12,185.0	11,612.5	9,246.9
Upland .....	13,507.0	11,990.0	11,389.0	9,057.0
American Pima .....	228.7	195.0	223.5	189.9
Sugarbeets .....	1,132.0	1,147.9	979.3	1,126.8
Sugarcane .....	(NA)	(NA)	913.2	924.4
Tobacco .....	(NA)	(NA)	227.1	196.8
<b>Dry beans, peas, and lentils</b>				
Chickpeas .....	451.4	304.0	404.0	298.4
Dry edible beans .....	1,287.4	1,628.0	1,176.5	1,571.0
Dry edible peas .....	1,103.0	947.0	1,052.0	902.0
Lentils .....	486.0	492.0	431.0	461.0
<b>Potatoes and miscellaneous</b>				
Hops .....	(NA)	(NA)	56.5	59.2
Maple syrup .....	(NA)	(NA)	(NA)	(NA)
Mushrooms .....	(NA)		(NA)	
Peppermint oil .....	(NA)		52.4	
Potatoes .....	968.3	921.0	942.2	910.3
Spearmint oil .....	(NA)		18.5	

See footnote(s) at end of table.

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**Crop Area Planted and Harvested, Yield, and Production in Domestic Units – United States:  
2019 and 2020 (continued)**

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2020 crop year.  
Blank data cells indicate estimation period has not yet begun]

Crop	Yield per acre		Production	
	2019	2020	2019 (1,000)	2020 (1,000)
<b>Grains and hay</b>				
Barley ..... bushels	77.7	78.8	169,566	175,917
Corn for grain ..... bushels	167.4	181.8	13,617,261	15,278,202
Corn for silage ..... tons	20.2		132,807	
Hay, all ..... tons	2.46	2.39	128,864	125,250
Alfalfa ..... tons	3.28	3.16	54,875	51,660
All other ..... tons	2.07	2.04	73,989	73,590
Oats ..... bushels	64.3	65.0	53,148	64,907
Proso millet ..... bushels	35.7		16,608	
Rice <sup>2</sup> ..... cwt	7,471	7,600	184,675	218,112
Rye ..... bushels	34.3		10,622	
Sorghum for grain ..... bushels	73.0	76.6	341,460	371,055
Sorghum for silage ..... tons	11.9		4,019	
Wheat, all ..... bushels	51.7	50.1	1,920,139	1,837,637
Winter ..... bushels	53.6	51.1	1,304,003	1,198,362
Durum ..... bushels	45.7	42.8	53,756	61,790
Other spring ..... bushels	48.2	49.0	562,380	577,485
<b>Oilseeds</b>				
Canola ..... pounds	1,781		3,402,000	
Cottonseed ..... tons	(X)	(X)	5,945.0	5,530.0
Flaxseed ..... bushels	20.0		6,395	
Mustard seed ..... pounds	706		63,580	
Peanuts ..... pounds	3,949	4,218	5,496,087	6,213,200
Rapeseed ..... pounds	2,160		22,464	
Safflower ..... pounds	1,272		194,295	
Soybeans for beans ..... bushels	47.4	53.3	3,552,241	4,424,800
Sunflower ..... pounds	1,562		1,943,435	
<b>Cotton, tobacco, and sugar crops</b>				
Cotton, all <sup>2</sup> ..... bales	823	938	19,912.5	18,079.5
Upland <sup>2</sup> ..... bales	810	929	19,227.0	17,525.0
American Pima <sup>2</sup> ..... bales	1,472	1,402	685.5	554.5
Sugarbeets ..... tons	29.2	31.4	28,600	35,393
Sugarcane ..... tons	35.0	36.2	31,937	33,478
Tobacco ..... pounds	2,060	1,892	467,956	372,340
<b>Dry beans, peas, and lentils</b>				
Chickpeas <sup>2</sup> ..... cwt	1,544		6,237	
Dry edible beans <sup>2</sup> ..... cwt	1,769	2,088	20,811	32,807
Dry edible peas <sup>2</sup> ..... cwt	2,124		22,346	
Lentils <sup>2</sup> ..... cwt	1,250		5,388	
<b>Potatoes and miscellaneous</b>				
Hops ..... pounds	1,981	1,982	112,041.2	117,229.0
Maple syrup ..... gallons	(NA)	(NA)	4,180	4,372
Mushrooms ..... pounds	(NA)		846,491	
Peppermint oil ..... pounds	104		5,452	
Potatoes ..... cwt	449		422,890	
Spearmint oil ..... pounds	130		2,413	

(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: 2019 and 2020

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2020 crop year. Blank data cells indicate estimation period has not yet begun]

Crop	Area planted		Area harvested	
	2019	2020	2019	2020
	(hectares)	(hectares)	(hectares)	(hectares)
<b>Grains and hay</b>				
Barley .....	1,101,160	1,131,920	883,030	903,270
Corn for grain <sup>1</sup> .....	36,300,690	37,233,910	32,910,200	34,003,270
Corn for silage .....	(NA)		2,665,690	
Hay, all <sup>2</sup> .....	(NA)	(NA)	21,215,870	21,198,070
Alfalfa .....	(NA)	(NA)	6,775,720	6,617,490
All other .....	(NA)	(NA)	14,440,150	14,580,580
Oats .....	1,137,180	1,268,300	334,270	403,880
Proso millet .....	204,770	206,800	188,180	
Rice .....	1,027,910	1,182,100	1,000,390	1,161,460
Rye .....	754,750	912,580	125,450	159,040
Sorghum for grain <sup>1</sup> .....	2,130,690	2,274,360	1,891,930	1,960,720
Sorghum for silage .....	(NA)		137,190	
Wheat, all <sup>2</sup> .....	18,274,990	17,907,530	15,039,090	14,843,220
Winter .....	12,609,740	12,363,280	9,844,890	9,485,530
Durum .....	541,880	607,040	475,510	584,370
Other spring .....	5,123,380	4,937,220	4,718,690	4,773,320
<b>Oilseeds</b>				
Canola .....	825,570	755,960	772,960	739,770
Cottonseed .....	(X)	(X)	(X)	(X)
Flaxseed .....	151,350	143,660	129,100	132,740
Mustard seed .....	39,660	39,660	36,420	37,640
Peanuts .....	577,780	612,700	563,210	596,110
Rapeseed .....	4,570	5,060	4,210	4,780
Safflower .....	67,100	58,680	61,800	55,640
Soybeans for beans .....	30,796,910	33,923,140	30,331,920	33,597,360
Sunflower .....	546,570	624,640	503,640	596,310
<b>Cotton, tobacco, and sugar crops</b>				
Cotton, all <sup>2</sup> .....	5,558,700	4,931,150	4,699,460	3,742,130
Upland .....	5,466,150	4,852,230	4,609,010	3,665,280
American Pima .....	92,550	78,910	90,450	76,850
Sugarbeets .....	458,110	464,540	396,310	456,000
Sugarcane .....	(NA)	(NA)	369,560	374,100
Tobacco .....	(NA)	(NA)	91,910	79,620
<b>Dry beans, peas, and lentils</b>				
Chickpeas .....	182,680	123,030	163,490	120,760
Dry edible beans .....	521,000	658,840	476,120	635,770
Dry edible peas .....	446,370	383,240	425,730	365,030
Lentils .....	196,680	199,110	174,420	186,560
<b>Potatoes and miscellaneous</b>				
Hops .....	(NA)	(NA)	22,880	23,950
Maple syrup .....	(NA)	(NA)	(NA)	(NA)
Mushrooms .....	(NA)		(NA)	
Peppermint oil .....	(NA)		21,210	
Potatoes .....	391,860	372,720	381,300	368,390
Spearmint oil .....	(NA)		7,490	

See footnote(s) at end of table.

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**Crop Area Planted and Harvested, Yield, and Production in Metric Units – United States:  
2019 and 2020 (continued)**

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2020 crop year. Blank data cells indicate estimation period has not yet begun]

Crop	Yield per hectare		Production	
	2019	2020	2019	2020
	(metric tons)	(metric tons)	(metric tons)	(metric tons)
<b>Grains and hay</b>				
Barley .....	4.18	4.24	3,691,860	3,830,140
Corn for grain .....	10.51	11.41	345,894,360	388,084,210
Corn for silage .....	45.20		120,480,480	
Hay, all <sup>2</sup> .....	5.51	5.36	116,903,450	113,624,890
Alfalfa .....	7.35	7.08	49,781,760	46,865,160
All other .....	4.65	4.58	67,121,690	66,759,730
Oats .....	2.31	2.33	771,440	942,120
Proso millet .....	2.00		376,660	
Rice .....	8.37	8.52	8,376,720	9,893,390
Rye .....	2.15		269,810	
Sorghum for grain .....	4.58	4.81	8,673,480	9,425,230
Sorghum for silage .....	26.58		3,645,980	
Wheat, all <sup>2</sup> .....	3.47	3.37	52,257,620	50,012,280
Winter .....	3.60	3.44	35,489,150	32,614,070
Durum .....	3.08	2.88	1,463,000	1,681,650
Other spring .....	3.24	3.29	15,305,480	15,716,570
<b>Oilseeds</b>				
Canola .....	2.00		1,543,120	
Cottonseed .....	(X)	(X)	5,393,210	5,016,730
Flaxseed .....	1.26		162,440	
Mustard seed .....	0.79		28,840	
Peanuts .....	4.43	4.73	2,492,980	2,818,260
Rapeseed .....	2.42		10,190	
Safflower .....	1.43		88,130	
Soybeans for beans .....	3.19	3.58	96,676,160	120,423,320
Sunflower .....	1.75		881,530	
<b>Cotton, tobacco, and sugar crops</b>				
Cotton, all <sup>2</sup> .....	0.92	1.05	4,335,440	3,936,350
Upland .....	0.91	1.04	4,186,190	3,815,620
American Pima .....	1.65	1.57	149,250	120,730
Sugarbeets .....	65.47	70.41	25,945,480	32,107,990
Sugarcane .....	78.40	81.18	28,972,760	30,370,730
Tobacco .....	2.31	2.12	212,260	168,890
<b>Dry beans, peas, and lentils</b>				
Chickpeas .....	1.73		282,910	
Dry edible beans .....	1.98	2.34	943,970	1,488,100
Dry edible peas .....	2.38		1,013,600	
Lentils .....	1.40		244,400	
<b>Potatoes and miscellaneous</b>				
Hops .....	2.22	2.22	50,820	53,170
Maple syrup .....	(NA)	(NA)	20,900	21,860
Mushrooms .....	(NA)		383,960	
Peppermint oil .....	0.12		2,470	
Potatoes .....	50.31		19,181,970	
Spearmint oil .....	0.15		1,090	

(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: 2019 and 2020

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2020 crop year, except citrus which is for the 2019-2020 season. Blank data cells indicate estimation period has not yet begun]

Crop	Production		
	2019	2020	
<b>Citrus</b> <sup>1</sup>			
Grapefruit .....	1,000 tons	600	535
Lemons .....	1,000 tons	1,002	916
Oranges .....	1,000 tons	5,395	5,141
Tangerines and mandarins .....	1,000 tons	1,107	888
<b>Noncitrus</b>			
Apples, commercial .....	million pounds	11,018.0	10,650.0
Apricots .....	tons	51,300	34,800
Avocados .....	tons	135,620	
Blueberries, Cultivated .....	1,000 pounds	680,700	
Blueberries, Wild (Maine) .....	1,000 pounds	54,400	
Cherries, Sweet .....	tons	354,300	334,000
Cherries, Tart .....	million pounds	262.0	197.0
Coffee (Hawaii) .....	1,000 pounds	27,270	
Cranberries .....	barrel	7,917,000	8,970,000
Dates .....	tons	61,400	
Grapes .....	tons	6,871,000	7,180,000
Kiwifruit (California) .....	tons	51,500	
Nectarines (California) .....	tons	134,000	
Olives (California) .....	tons	167,500	
Papayas (Hawaii) .....	1,000 pounds	11,750	
Peaches .....	tons	681,600	645,500
Pears .....	tons	729,000	800,000
Plums (California) .....	tons	101,500	
Prunes (California) .....	tons	91,100	
Raspberries .....	1,000 pounds	226,000	
Strawberries .....	1,000 cwt	22,520.0	
<b>Nuts and miscellaneous</b>			
Almonds, shelled (California) .....	1,000 pounds	2,550,000	3,000,000
Hazelnuts, in-shell (Oregon) .....	tons	44,000	
Macadamias (Hawaii) .....	1,000 pounds	40,700	
Pecans, in-shell .....	1,000 pounds	255,600	
Pistachios (California) .....	1,000 pounds	740,000	
Walnuts, in-shell (California) .....	tons	653,000	

<sup>1</sup> Production years are 2018-2019 and 2019-2020.

## Fruits and Nuts Production in Metric Units – United States: 2019 and 2020

[Data are the latest estimates available, either from the current report or from previous reports. Current year estimates are for the full 2020 crop year, except citrus which is for the 2019-2020 season. Blank data cells indicate estimation period has not yet begun]

Crop	Production	
	2019 (metric tons)	2020 (metric tons)
<b>Citrus <sup>1</sup></b>		
Grapefruit .....	544,310	485,340
Lemons .....	909,000	830,980
Oranges .....	4,894,260	4,663,840
Tangerines and mandarins .....	1,004,250	805,580
<b>Noncitrus</b>		
Apples, commercial .....	4,997,680	4,830,760
Apricots .....	46,540	31,570
Avocados .....	123,030	
Blueberries, Cultivated .....	308,760	
Blueberries, Wild (Maine) .....	24,680	
Cherries, Sweet .....	321,420	303,000
Cherries, Tart .....	118,840	89,360
Coffee (Hawaii) .....	12,370	
Cranberries .....	359,110	406,870
Dates .....	55,700	
Grapes .....	6,233,270	6,513,590
Kiwifruit (California) .....	46,720	
Nectarines (California) .....	121,560	
Olives (California) .....	151,950	
Papayas (Hawaii) .....	5,330	
Peaches .....	618,340	585,590
Pears .....	661,340	725,750
Plums (California) .....	92,080	
Prunes (California) .....	82,640	
Raspberries .....	102,510	
Strawberries .....	1,021,490	
<b>Nuts and miscellaneous</b>		
Almonds, shelled (California) .....	1,156,660	1,360,780
Hazelnuts, in-shell (Oregon) .....	39,920	
Macadamias (Hawaii) .....	18,460	
Pecans, in-shell .....	115,940	
Pistachios (California) .....	335,660	
Walnuts, in-shell (California) .....	592,390	

<sup>1</sup> Production years are 2018-2019 and 2019-2020.

## Winter Wheat for Grain Objective Yield Data

The National Agricultural Statistics Service is conducting objective yield surveys in 10 winter wheat-producing States during 2020. Randomly selected plots in winter wheat for grain fields are visited monthly from May through harvest to obtain specific counts and measurements. Data in these tables are based on counts from this survey.

### Winter Wheat Objective Yield Percent of Samples Processed in the Lab – United States: 2016-2020

Year	June	July	August
	Mature <sup>1</sup>	Mature <sup>1</sup>	Mature <sup>1</sup>
	(percent)	(percent)	(percent)
2016 .....	21	68	94
2017 .....	28	69	93
2018 .....	18	69	93
2019 .....	8	50	89
2020 .....	14	64	92

<sup>1</sup> Includes winter wheat in the hard dough stage or beyond and are considered mature or almost mature.

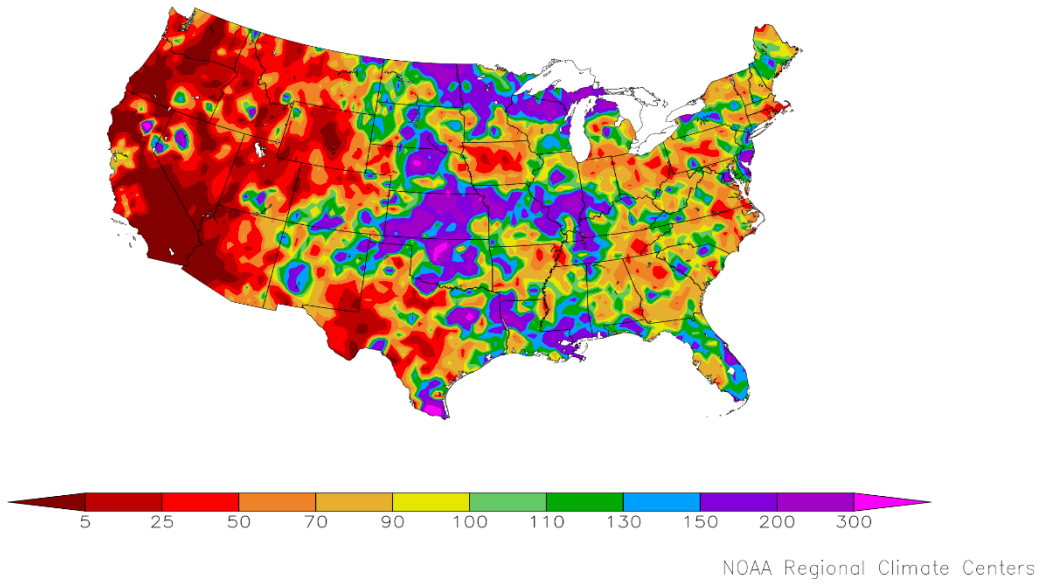
## Winter Wheat Heads per Square Foot – Selected States: 2016-2020

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

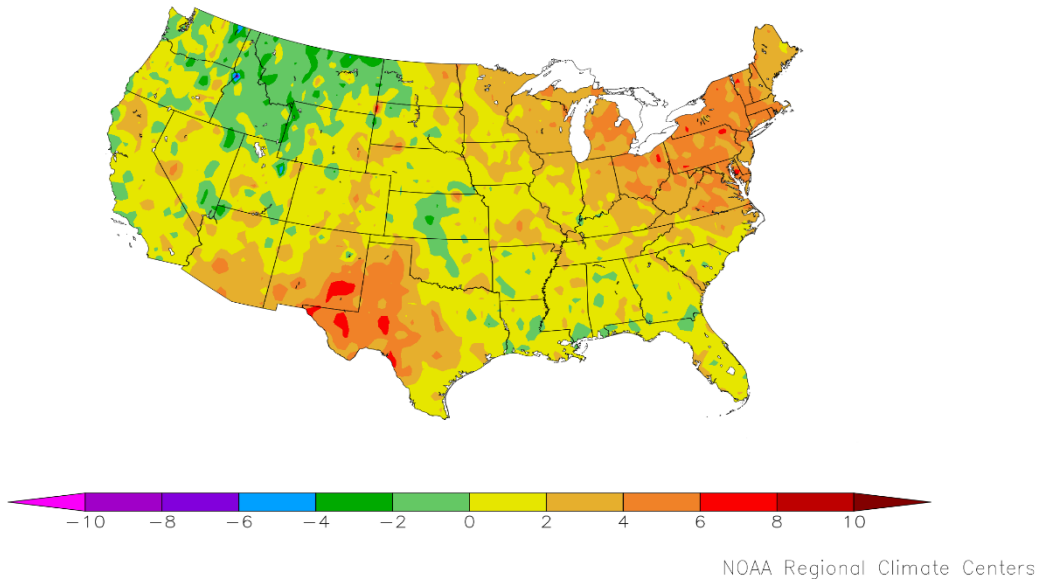
State	2016	2017	2018	2019	2020 <sup>1</sup>
	(number)	(number)	(number)	(number)	(number)
<b>Colorado</b>					
July .....	43.0	43.4	40.6	49.3	43.0
August .....	43.6	43.2	41.0	50.8	42.7
Final .....	43.6	43.2	41.0	50.8	
<b>Illinois</b>					
July .....	57.4	56.4	60.9	48.1	52.5
August .....	57.3	56.4	60.9	49.2	52.4
Final .....	57.3	56.4	60.9	49.2	
<b>Kansas</b>					
July .....	54.7	44.3	37.3	46.9	45.3
August .....	54.7	44.6	37.3	47.2	45.4
Final .....	54.7	44.6	37.3	47.2	
<b>Missouri</b>					
July .....	53.7	53.9	53.7	56.4	52.5
August .....	53.7	53.9	53.7	56.4	52.5
Final .....	53.7	53.9	53.7	56.4	
<b>Montana</b>					
July .....	54.6	44.4	44.1	45.2	37.4
August .....	55.2	46.2	44.8	43.5	38.8
Final .....	55.2	46.2	44.7	43.1	
<b>Nebraska</b>					
July .....	60.2	52.5	50.5	53.1	45.8
August .....	60.3	53.3	50.4	53.7	45.7
Final .....	60.3	53.3	50.4	53.7	
<b>Ohio</b>					
July .....	58.0	58.2	70.3	52.0	64.1
August .....	58.0	58.2	70.3	53.0	63.9
Final .....	58.0	58.2	70.3	53.0	
<b>Oklahoma</b>					
July .....	41.8	35.7	32.9	38.1	38.2
August .....	41.8	35.7	32.4	38.1	38.3
Final .....	41.8	35.7	32.4	38.1	
<b>Texas</b>					
July .....	34.4	26.6	30.9	34.3	32.7
August .....	34.4	26.8	30.9	34.3	32.7
Final .....	34.5	26.8	31.1	34.5	
<b>Washington</b>					
July .....	36.1	34.3	41.8	34.2	37.7
August .....	35.3	35.8	42.3	34.3	38.3
Final .....	35.5	35.7	42.3	34.6	
<b>10 State</b>					
July .....	48.3	41.2	40.1	44.0	42.1
August .....	48.4	41.7	40.1	44.1	42.3
Final .....	48.4	41.7	40.2	44.2	

<sup>1</sup> Final head counts will be published in the *Small Grains 2020 Summary*.

Percent of Normal Precipitation (%)  
7/1/2020 - 7/31/2020



Departure from Normal Temperature (F)  
7/1/2020 - 7/31/2020



## July Weather Summary

During July, widespread warmth promoted a rapid pace of crop development. However, hot weather led to crop stress in two primary areas—one stretching from the Desert Southwest to the southern Plains and the other extending from the lower Great Lakes region into the middle and northern Atlantic States. Monthly temperatures averaged at least 5°F above normal in several locations across southern New Mexico and western Texas, as well as an area covering the lower Great Lakes States, central Appalachians, and Northeast. In contrast, cooler-than-normal conditions were mostly limited to the northern High Plains and the Northwest.

Most of the country's drought remained consolidated across the western half of the United States, although secondary drought areas existed in the western Corn Belt and from the lower Great Lakes region into the Northeast. Nearly two-thirds (63 percent) of the 11-state Western region was in drought on August 4, according to the *Drought Monitor*. On the same date, drought covered 29 percent of the Northeast but only 8 percent of the Midwest. Nationally, more than one-third (33.5 percent) of the contiguous United States was experiencing drought by early August, up from 25.5 percent at the end of June. Drought coverage was last greater on September 4, 2018.

Midwestern drought was most apparent from northeastern Nebraska into central Iowa and across easternmost corn and soybean production areas. Nevertheless, 72 percent of Nation's corn and 73 percent of the soybeans were in good to excellent condition on August 2. On the same date, roughly three-quarters of the Nation's rice (76 percent) and peanuts (73 percent) were rated good to excellent.

Meanwhile, some crops across the central and southern High Plains continued to suffer from the effects of heat and drought, despite a turn toward cooler, wetter weather as the month progressed. By August 2, Colorado led the country in very poor to poor ratings for corn (25 percent) and sorghum (26 percent), while Texas led with 24 percent of its cotton rated very poor to poor.

In the West, heat- and drought-related stress extended to rangeland and pastures. In early August, Oregon led the country with 70 percent of its rangeland and pastures rated in very poor to poor condition, followed by California (55 percent), Wyoming (53 percent), New Mexico (47 percent), and Colorado (41 percent). However, drier-than-normal weather also favored Northwestern small grain maturation and harvesting.

Tropical systems affecting the United States during July included Tropical Storm Fay and Hurricane Hanna. Fay produced heavy rain and gusty winds in the Atlantic Coast States and on July 10 became the first tropical cyclone to make landfall in New Jersey since Irene on August 27, 2011. About 2 weeks later, on July 25, Category 1 Hurricane Hanna moved inland across sparsely populated Kenedy County in southern Texas. Hanna resulted in local flooding and wind damage to crops such as citrus and cotton in the lower Rio Grande Valley. On July 29-30, newly formed Tropical Storm Isaias sparked locally heavy showers across Puerto Rico and the U.S. Virgin Islands, easing or eradicating drought.

## July Agricultural Summary

July was warmer than average for most of the Nation. Parts of the Great Lakes, Mid-Atlantic, Northeast, Southwest, and Texas recorded temperatures 4°F or more above normal for the month. In contrast, pockets in the central Great Plains, the Pacific Northwest, and most of the northern Rockies were cooler than normal. Much of Florida, the Great Lakes, the Great Plains, the Gulf Coast, and the Mississippi Valley received higher than normal amounts of rain but the West was drier than normal. Parts of Florida, the Gulf Coast, Kansas, Missouri, Oklahoma, and Wisconsin received 10 inches or more of rain for the month.

By July 5, ten percent of the Nation's corn acreage had reached the silking stage, three percentage points ahead of last year but 6 percentage points behind the 5-year average. By July 19, fifty-nine percent of the Nation's corn acreage had reached the silking stage, twenty-nine percentage points ahead of last year and 5 percentage points ahead of the 5-year average. By July 19, nine percent of the corn acreage was at or beyond the dough stage, 5 percentage points ahead of last year and 2 percentage points ahead of the 5-year average. By August 2, ninety-two percent of the Nation's corn acreage had reached the silking stage, 20 percentage points ahead of last year and 5 percentage points ahead of the 5-year average. By August 2, thirty-nine percent of the corn acreage was at or beyond the dough stage, 19 percentage points ahead of last

year and 6 percentage points ahead of the 5-year average. As of August 2, seventy-two percent of the Nation's corn acreage was rated in good to excellent condition, 15 percentage points above the same time last year. In Iowa, 73 percent of the 2020 corn acreage was rated in good to excellent condition on August 2.

By July 5, thirty-one percent of the Nation's soybean acreage had reached the blooming stage, 23 percentage points ahead of last year and 7 percentage points ahead of the 5-year average. Nationally, 2 percent of the Nation's soybean acreage had begun setting pods, 1 percentage point ahead of last year but 2 percentage points behind the 5-year average. By July 19, sixty-four percent of the Nation's soybean acreage had reached the blooming stage, 29 percentage points ahead of last year and 7 percentage points ahead of the 5-year average. Nationally, 25 percent of the Nation's soybean acreage had begun setting pods, 19 percentage points ahead of last year and 4 percentage points ahead of the 5-year average. By August 2, eighty-five percent of the Nation's soybean acreage had reached the blooming stage, 17 percentage points ahead of last year and 3 percentage points ahead of the 5-year average. Nationally, 59 percent of the Nation's soybean acreage had begun setting pods, 27 percentage points ahead of last year and 5 percentage points ahead of the 5-year average. On August 2, seventy-three percent of the Nation's soybean acreage was rated in good to excellent condition, 19 percentage points above the same time last year.

Fifty-six percent of the 2020 winter wheat acreage had been harvested by July 5, fourteen percentage points ahead of last year and 1 percentage point ahead of the 5-year average. In Kansas, 80 percent of the State's winter wheat acreage was harvested by July 5, twenty-eight percentage points ahead of last year and 4 percentage points ahead of the 5-year average. As of July 5, fifty-one percent of the 2020 winter wheat acreage was reported in good to excellent condition, 13 percentage points below the same time last year. Seventy-four percent of the 2020 winter wheat acreage had been harvested by July 19, eight percentage points ahead of last year but 1 percentage point behind the 5-year average. Winter wheat harvest progress continued with advances of 20 percentage points or better reported in Colorado, Michigan, Nebraska, and South Dakota. Eighty-five percent of the 2020 winter wheat acreage had been harvested by August 2, five percentage points ahead of last year but 3 percentage points behind the 5-year average. Winter wheat harvest progress continued with advances of 10 percentage points or more from the previous week reported in Michigan, Montana, Oregon, South Dakota, and Washington.

Forty-seven percent of the Nation's cotton acreage had reached the squaring stage by July 5, three percentage points ahead of the previous year but 1 percentage point behind the 5-year average. By July 5, thirteen percent of the Nation's cotton acreage had begun setting bolls, 2 percentage points ahead of last year but equal to the 5-year average. Seventy-three percent of the Nation's cotton acreage had reached the squaring stage by July 19, equal to the previous year but 2 percentage points behind the 5-year average. By July 19, twenty-seven percent of the Nation's cotton acreage had begun setting bolls, 2 percentage points behind last year and 5 percentage points behind the 5-year average. Ninety-one percent of the Nation's cotton acreage had reached the squaring stage by August 2, one percentage point behind last year but equal to the 5-year average. By August 2, fifty-four percent of the Nation's cotton acreage had begun setting bolls, 1 percentage point behind both the previous year and the 5-year average. As of August 2, forty-five percent of the 2020 cotton acreage was rated in good to excellent condition, 9 percentage points below the same time last year.

By July 5, twenty-four percent of the Nation's sorghum acreage had reached the headed stage, 3 percentage points ahead of last year but 1 percentage point behind the 5-year average. Sixty-eight percent of Texas' sorghum acreage had reached the headed stage by July 5, seven percentage points ahead of last year and 6 percentage points ahead of the 5-year average. With progress limited to Texas, coloring advanced to 14 percent, 2 percentage points ahead of last year but equal to the 5-year average. By July 19, thirty-four percent of the Nation's sorghum acreage had reached the headed stage, 8 percentage points ahead of last year but equal to the 5-year average. Seventy-seven percent of Texas' sorghum acreage had reached the headed stage by July 19, six percentage points ahead of last year and 4 percentage points ahead of the 5-year average. Nineteen percent of Nation's sorghum acreage was at or beyond the coloring stage by July 19, four percentage points ahead of last year but equal to the 5-year average. By August 2, fifty-five percent of the Nation's sorghum acreage had reached the headed stage, 13 percentage points ahead of last year but 1 percentage point behind the 5-year average. Eighty-four percent of Texas' sorghum acreage had reached the headed stage by August 2, three percentage points ahead of last year and 1 percentage point ahead of the 5-year average. Twenty-three percent of the Nation's sorghum acreage was at or beyond the coloring stage by August 2, one percentage point ahead of last year but 3 percentage points behind the 5-year average. Fifty-five percent of the Nation's sorghum acreage was rated in good to excellent condition on August 2, thirteen percentage points below the same time last year.



By July 5, nineteen percent of the Nation's rice acreage had reached the headed stage, 5 percentage points ahead of the previous year but equal to the 5-year average. By July 19, thirty-two percent of the Nation's rice acreage had reached the headed stage, 3 percentage points ahead of the previous year but 7 percentage points behind the 5-year average. By August 2, fifty-nine percent of the Nation's rice acreage had reached the headed stage, 4 percentage points ahead of the previous year but 9 percentage points behind the 5-year average. On August 2, seventy-six percent of the Nation's rice acreage was rated in good to excellent condition, 8 percentage points above the same time last year.

Eighty-five percent of the Nation's oat acreage was headed by July 5, sixteen percentage points ahead of last year but 1 percentage point behind the 5-year average. Ninety-six percent of the Nation's oat acreage was headed by July 19, four percentage points ahead of last year but 1 percentage point behind the 5-year average. Twenty percent of the Nation's oat acreage had been harvested by July 19, nine percentage points ahead of last year and 1 percentage point ahead of the 5-year average. Harvest was nearly complete in Texas with 98 percent harvested, equal to the previous year but 1 percentage point behind the 5-year average. Forty-nine percent of the Nation's oat acreage had been harvested by August 2, twenty percentage points ahead of last year and 6 percentage points ahead of the 5-year average. Oats harvest progress continued with advances of 20 percentage points or more reported in Iowa, Minnesota, South Dakota, and Wisconsin. On August 2, sixty-two percent of the Nation's oat acreage was rated in good to excellent condition, 3 percentage points below the same time last year.

Sixty percent of the Nation's barley acreage had reached the headed stage by July 5, twelve percentage points ahead of last year but 7 percentage points behind the 5-year average. Eighty-eight percent of the Nation's barley acreage had reached the headed stage by July 19, two percentage points ahead of last year but 5 percentage points behind the 5-year average. By August 2, barley producers had harvested 5 percent of the Nation's barley crop, 2 percentage points ahead of last year but 7 percentage points behind the 5-year average. On August 2, eighty-one percent of the Nation's barley acreage was rated in good to excellent condition, 5 percentage points above the same time last year.

By July 5, sixty-three percent of the Nation's spring wheat acreage had reached the headed stage, 16 percentage points ahead of the previous year but 5 percentage points behind the 5-year average. By July 19, ninety-one percent of the Nation's spring wheat acreage had reached the headed stage, 3 percentage points ahead of the previous year but 3 percentage points behind the 5-year average. By July 26, ninety-seven percent of the Nation's spring wheat acreage had reached the headed stage, 1 percentage point ahead of the previous year but 1 percentage point behind the 5-year average. By August 2, five percent of the spring wheat had been harvested, 3 percentage points ahead of last year but 5 percentage points behind the 5-year average. Harvest progress was behind the 5-year average in all 6 estimating States. Seventy-three percent of the Nation's spring wheat was rated in good to excellent condition, unchanged from the same time last year.

By July 5, fifty-one percent of the Nation's peanut acreage had reached the pegging stage, 4 percentage points behind the previous year but equal to the 5-year average. By July 19, seventy-seven percent of the Nation's peanut acreage had reached the pegging stage, 2 percentage points ahead of both the previous year and the 5-year average. By August 2, ninety percent of the Nation's peanut acreage had reached the pegging stage, equal to the previous year but 1 percentage point ahead of the 5-year average. On August 2, seventy-three percent of the Nation's peanut acreage was rated in good to excellent condition, 4 percentage points above the same time last year.

## Crop Comments

**Corn:** The 2020 corn planted area for all purposes is estimated at 92.0 million acres, unchanged from the June estimate, but up 3 percent from 2019. Area harvested for grain is forecast at 84.0 million acres, also unchanged from June, but up 3 percent from last year.

At 15.3 billion bushels, 2020 corn production for grain is forecast to be the highest production on record for the United States. The forecasted yield, at 181.8 bushels per acre, is up 9 percent from last year's final estimate of 167.4 bushels per acre. If realized, this would be a record high yield for the United States. Record high yields are forecast

for Georgia, Kentucky, Michigan, Minnesota, New York, South Carolina, South Dakota, Tennessee, Washington, and Wisconsin.

By April 12, producers had planted 3 percent of the Nation's corn acreage, equal to last year but 1 percentage point behind the 5-year average. By April 19, producers had planted 7 percent of the Nation's acreage, 2 percentage points ahead of last year but 2 percentage points behind the 5-year average. By April 26, producers had planted 27 percent of the Nation's corn acreage, 15 percentage points ahead of last year and 7 percentage points ahead of the 5-year average. Three percent of the Nation's corn had emerged by April 26, one percentage point ahead of last year but 1 percentage point behind average.

By May 3, producers had planted 51 percent of the Nation's corn acreage, 30 percentage points ahead of last year and 12 percentage points ahead of the 5-year average. Eight percent of the Nation's corn acreage had emerged by May 3, three percentage points ahead of last year but 2 percentage points behind the average. By May 17, producers had planted 80 percent of the Nation's corn acreage, 36 percentage points ahead of last year and 9 percentage points ahead of the 5-year average. Forty-three percent of the Nation's corn acreage had emerged by May 17, twenty-seven percentage points ahead of last year and 3 percentage points ahead of average. By May 31, producers had planted 93 percent of the Nation's corn acreage, 29 percentage points ahead of last year and 4 percentage points ahead of the 5-year average. Seventy-eight percent of the Nation's corn acreage had emerged by May 31, thirty-six percentage points ahead of last year and 5 percentage points ahead of average. On May 31, seventy-four percent of the Nation's corn acreage was rated in good to excellent condition.

By June 7, producers had planted 97 percent of the Nation's corn acreage, 19 percentage points ahead of last year and 3 percentage points ahead of the 5-year average. Eighty-nine percent of the Nation's corn acreage had emerged by June 7, thirty-two percentage points ahead of last year and 5 percentage points ahead of average. Ninety-five percent of the Nation's corn acreage had emerged by June 14, twenty-one percentage points ahead of last year and 3 percentage points ahead of the 5-year average. By June 21, two percent of the Nation's corn acreage had reached the silking stage, 1 percentage point ahead of last year but equal to the 5-year average. By June 28, four percent of the Nation's corn acreage had reached the silking stage, 2 percentage points ahead of last year but 3 percentage points behind the 5-year average. As of June 28, seventy-three percent of the Nation's corn acreage was rated in good to excellent condition 17 percentage points above the same time last year.

By July 5, ten percent of the Nation's corn acreage had reached the silking stage, 3 percentage points ahead of last year but 6 percentage points behind the 5-year average. By July 12, twenty-nine percent of the Nation's corn acreage had reached the silking stage, 15 percentage points ahead of last year but 3 percentage points behind the 5-year average. By July 12, three percent of the corn acreage was at or beyond the dough stage, 1 percentage point ahead of last year but equal to the average. By July 19, fifty-nine percent of the Nation's corn acreage had reached the silking stage, 29 percentage points ahead of last year and 5 percentage points ahead of the 5-year average. By July 19, nine percent of the corn acreage was at or beyond the dough stage, 5 percentage points ahead of last year and 2 percentage points ahead of average. By July 26, eighty-two percent of the Nation's corn acreage had reached the silking stage, 31 percentage points ahead of last year and 7 percentage points ahead of the 5-year average. By July 26, twenty-two percent of the corn acreage was at or beyond the dough stage, 11 percentage points ahead of last year and 5 percentage points ahead of average. As of July 26, seventy-two percent of the Nation's corn acreage was rated in good to excellent condition, 14 percentage points above the same time last year.

By August 2, ninety-two percent of the Nation's corn acreage had reached the silking stage, 20 percentage points ahead of last year and 5 percentage points ahead of the 5-year average. By August 2, thirty-nine percent of the corn acreage was at or beyond the dough stage, 19 percentage points ahead of last year and 6 percentage points ahead of average. As of August 2, seventy-two percent of the Nation's corn was rated in good to excellent condition, 15 percentage points above the same time last year.

**Sorghum:** Production is forecast at 371 million bushels, up 9 percent from last year. Area harvested for grain is forecast at 4.85 million acres, unchanged from the previous forecast but up 4 percent from 2019. Based on August 1 conditions, yield is forecast at 76.6 bushels per acre, 3.6 bushels above the 2019 yield of 73.0 bushels per acre. If realized, the average

yield for the Nation will represent the second highest yield on record. Growers are expecting a record high yield in Kansas and South Dakota.

As of August 2, fifty-five percent of the sorghum acreage was headed, 13 percentage points ahead of last year but 1 percentage point behind the 5-year average. Twenty-three percent of the acreage was coloring at that time, 1 percentage point ahead of last year but 3 percentage points behind the 5-year average. On August 2, fifty-five percent of the acreage was rated in good to excellent condition, compared with 68 percent at the same time last year.

**Oats:** Production is forecast at 64.9 million bushels, up 22 percent from 2019. Growers expect to harvest 998,000 acres for grain, unchanged from the previous forecast, but up 21 percent from 2019. Based on conditions as of August 1, the United States yield is forecast at 65.0 bushels per acre, down 0.2 bushel from the previous forecast but 0.7 bushel above the 2019 average yield.

As of August 2, forty-nine percent of the Nation's oat acreage was harvested, 20 percentage points ahead of last year and 6 percentage points ahead of the 5-year average. As of August 2, sixty-two percent of the Nation's oat acreage was rated in good to excellent condition, compared with 65 percent at the same time last year.

**Barley:** Production is forecast at 176 million bushels, up 4 percent from the previous forecast and up 4 percent from 2019. Based on conditions as of August 1, the average yield for the United States is forecast at 78.8 bushels per acre, up 2.7 bushels from the previous forecast and up 1.1 bushels from last year. If realized, that would mark a new record high yield for the United States, surpassing the previous record of 77.9 bushels per acre in 2016. Montana and Washington are expecting record high yields. Area harvested for grain or seed, at 2.23 million acres, is unchanged from the previous forecast, but up 2 percent from 2019.

Ninety-six percent of the Nation's barley acreage was at or beyond the heading stage by July 26, two percentage points ahead of last year but 1 percentage point behind the 5-year average. By August 2, five percent of the Nation's barley acreage was harvested, two percentage points ahead last year, but 7 percentage points behind the 5-year average. Overall, eighty-one percent of the barley acreage was reported in good to excellent condition on August 2, five percentage points better than the same time last year.

**Winter wheat:** Production is forecast at 1.20 billion bushels, down 2 percent from the previous forecast and down 8 percent from 2019. Based on August 1 conditions, the United States yield is forecast at 51.1 bushels per acre, down 0.9 bushel from last month and down 2.5 bushels from last year's average yield of 53.6 bushels per acre. If realized, this will be the third highest yield on record. Area expected to be harvested for grain or seed totals 23.4 million acres, unchanged from last month, but down 4 percent from last year. Record high yields are forecast in Montana, Oklahoma, and South Dakota for 2020.

Forecasted head counts from the objective yield survey in the six Hard Red Winter States (Colorado, Kansas, Montana, Nebraska, Oklahoma, and Texas) are above last year's levels in Oklahoma, but below last year's level in Colorado, Kansas, Montana, Nebraska, and Texas. As of August 2, harvest progress was behind normal by 32 percentage points in Montana. In South Dakota, harvest progress was 11 percentage points ahead of the 5-year average pace. Harvest progress was complete or nearly complete in California, Colorado, Kansas, Nebraska, Oklahoma, and Texas.

Forecasted head counts from the objective yield survey in the three Soft Red Winter States (Illinois, Missouri, and Ohio) are above last year's levels in Illinois and Ohio but below last year's level in Missouri. As of August 2, harvest progress was in Michigan was 5 percentage points ahead of the 5-year average pace. Harvest progress in the Soft Red Winter (SRW) growing area was complete or nearly complete in Arkansas, Illinois, Indiana, Missouri, North Carolina, and Ohio.

Forecasted head counts from the objective yield survey in Washington are above last year. Harvest progress in the Pacific Northwest was behind the respective 5-year average pace by more than 5 percentage points as of August 2. Seventy-six percent of the Washington acreage was rated in good to excellent condition as of August 2.

**Durum wheat:** Production is forecast at 61.8 million bushels, up 11 percent from the previous forecast and up 15 percent from 2019. The United States yield is forecast at 42.8 bushels per acre, up 4.3 bushels from last month but down

2.9 bushels from last year. Area expected to be harvested for grain or seed totals 1.44 million acres, unchanged from last month, but up 23 percent from 2019.

Crop development has remained behind the normal pace this year in Montana and North Dakota, the two largest Durum-producing States. As of August 2, sixty-four percent of the acreage in Montana and 71 percent of the acreage in North Dakota was rated in good to excellent condition.

**Other spring wheat:** Production is forecast at 577 million bushels, up 5 percent from the previous forecast and up 3 percent from 2019. The United States yield is forecast at 49.0 bushels per acre, up 2.4 bushels from the previous forecast and up 0.8 bushel from a year ago. If realized, this will be the highest United States yield on record. Of the total production, 530 million bushels are Hard Red Spring wheat, up 2 percent from last year. The area expected to be harvested for grain or seed is expected to total 11.8 million acres, unchanged from last month, but 1 percent above 2019. A record high yield is forecast in Montana for 2020.

Spring wheat planting and development started out behind the 5-year average pace and has remained behind the 5-year average pace to date. In the six major producing States, 5 percent of the acreage was harvested as of August 2, three percentage points ahead of last year but 5 percentage points behind the 5-year average. Harvest progress was most advanced in South Dakota with 35 percent of the acreage harvested. As of August 2, seventy-three percent of the other spring wheat acreage was rated in good to excellent condition, equal the same time last year.

**Rice:** Production is forecast at 218 million cwt, up 18 percent from 2019. Area for harvest is expected to total 2.87 million acres, unchanged from the previous forecast, but up 16 percent from 2019. Based on conditions as of August 1, the average United States yield is forecast at 7,600 pounds per acre, up 129 pounds per acre from 2019.

As of August 2, fifty-nine percent of the rice acreage was headed, 4 percentage points above last year and 9 percentage points behind the 5-year average. Seventy-six percent of the rice acreage was reported in good to excellent condition on August 2, compared with 68 percent at the same time last year.

**Alfalfa and alfalfa mixtures:** Production of alfalfa and alfalfa mixture dry hay for 2020 is forecast at 51.7 million tons, down 6 percent from 2019. Based on August 1 conditions, yields are expected to average 3.16 tons per acre, down 0.12 ton from last year. Harvested area is forecast at 16.4 million acres, unchanged from the June forecast, and down 2 percent from 2019.

**Other hay:** Production of other hay is forecast at 73.6 million tons, down 1 percent from 2019. Based on August 1 conditions, the United States yield is expected to average 2.04 tons per acre, down 0.03 ton from last year. Harvested area is forecast at 36.0 million acres, unchanged from the *Acreage* report released on June 30, 2020, but up 1 percent from 2019. Record high yields are expected in California and Idaho.

**Soybeans:** Area for harvest in the United States is forecast at 83.0 million acres, unchanged from the previous forecast but up 11 percent from 2019. Planted area for the Nation is estimated at 83.8 million acres, unchanged from the previous estimate.

At 4.42 billion bushels, 2020 soybean production is forecast to be the second highest production on record for the United States. The forecasted yield, at a record high 53.3 bushels per acre, is up 5.9 bushels from last year's final estimate of 47.4 bushels per acre if realized.

Planting was underway by the start of May in all 18 major soybean-producing States. Twenty-three percent of the acreage was planted by May 3, eighteen percentage points ahead of last year and 12 percentage points ahead of the 5-year average. Seventy-five percent of soybean acreage was planted by May 31, seven percentage points ahead of the 5-year average.

Nationally, 81 percent of soybean acreage was emerged by June 14, thirty-two percentage points ahead of last year and 6 percentage points ahead of the 5-year average. Soybean emergence was ahead of the 5-year average in 14 of the 18 major soybean-producing States, with Indiana, Iowa, Kansas, Michigan, Minnesota, South Dakota, and Wisconsin more than 10 percentage points ahead of the 5-year average. By contrast, North Dakota was 22 percentage points behind

the 5-year average as of June 14. By July 5, thirty-one percent of soybean acreage was blooming, 23 percentage points ahead of last year and 7 percentage points ahead of the 5-year average.

Forty-eight percent of soybean acreage was blooming by July 12, twenty-nine percentage points ahead of last season and 8 percentage points ahead of the 5-year average. By July 12, eleven percent of the soybean acreage was setting pods, 8 percentage points ahead of last year and 1 percentage point ahead of the 5-year average. The week ending July 12 was the first week this year that soybeans were setting pods in all 18 major soybean-producing States. Twenty-five percent of soybean acres were setting pods by July 19, nineteen percentage points ahead of last year and 4 percentage points ahead of the 5-year average. By July 26, seventy-six percent of soybean acreage was blooming, 24 percentage points ahead of last year and 4 percentage points ahead of the 5-year average. Fifty-nine percent of the soybean acreage was setting pods by August 2, twenty-seven percentage points ahead of last year and 5 percentage points ahead of the 5-year average.

As of August 2, seventy-three percent of soybean acreage was rated in good to excellent condition, compared with 54 percent at the same time last year. Soybean acreage was rated in better condition this year than last year in 15 of the 18 major soybean-producing States, with Illinois, Indiana, and South Dakota more than 30 percentage points improved compared to last year.

If realized, the forecasted yield will be a record high in Illinois, Indiana, Kentucky, Michigan, Mississippi, Missouri, Nebraska, Ohio, and South Dakota.

**Peanuts:** Production is forecast at 6.21 billion pounds, up 13 percent from 2019. Area harvested is expected to total 1.47 million acres, unchanged from the previous forecast but up 6 percent from 2019. Based on conditions as of August 1, the average yield for the United States is forecast at 4,218 pounds per acre, up 269 pounds per acre from 2019.

As of August 2, seventy-three percent of the United States peanut acreage was rated in good to excellent condition, compared with 69 percent at the same time last year. Ninety percent of the acreage was pegging at that time, equal to the previous year but 1 percentage point ahead of the five-year average.

**Cotton:** Area planted to Upland cotton is estimated at 12.0 million acres, unchanged from the June estimate but down 11 percent from 2019. Upland harvested area for the Nation is expected to total 9.06 million acres, down 20 percent from last year. Pima cotton planted area is estimated at 195,000 acres, down 15 percent from 2019. Expected Pima harvested area, at 189,900 acres, is down 15 percent from last year. If realized, Upland harvested area for California will be the lowest on record, while Upland harvested area in Kansas will be the highest on record.

As of August 2, ninety-one percent of the cotton acreage was squaring, 1 percentage point behind last year but equal to the 5-year average. At that time, 54 percent of the cotton acreage was setting bolls, 1 percentage point behind both last year and the 5-year average. As of August 2, forty-five percent of the cotton acreage was rated in good to excellent condition, compared with 54 percent at the same time last year.

In Texas, cotton reached the boll stage in the High Plains but some dryland fields were plowed under due to poor growth in the Southern High Plains. Strong winds and heavy rains from Hurricane Hanna damaged many acres of cotton in the Lower Valley. In Georgia, weather conditions have been favorable overall for this year's cotton crop, allowing for planting to progress in a timely manner. As of August 2, seventy-three percent of the cotton acreage in Georgia was rated in good to excellent condition.

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

**Dry beans:** Production of dry edible beans is forecast at 32.8 million cwt, up 58 percent from the 2019. Area planted is estimated at 1.63 million acres, up 3 percent from the June forecast and up 26 percent from 2019. Area harvested is forecast at 1.57 million acres, up 2 percent from the June forecast and up 34 percent 2019. The average United States yield is forecast at 2,088 pounds per acre, an increase of 319 pounds from last season.

**Sugarbeets:** Production of sugarbeets for the 2020 crop year is forecast at 35.4 million tons, up 24 percent from last year. Sugarbeet producers expect to harvest 1.13 million acres, unchanged from previous forecast but up 15 percent from last year. Expected yield is forecast at 31.4 tons per acre, an increase of 2.2 tons from last year.

**Sugarcane:** Production of sugarcane for sugar and seed is forecast at 33.5 million tons, up 5 percent from last year. Producers intend to harvest 924,400 acres for sugar and seed during the 2020 crop year, up slightly from previous forecast and up 1 percent from last year. Expected yield for sugar and seed is forecast at 36.2 tons per acre, up 1.2 tons from 2019.

**Tobacco:** The 2020 United States all tobacco production is forecast at 372 million pounds, down 20 percent from 2019. Area harvested, at 196,750 acres, is 13 percent below last year. Yield for the 2020 crop year is forecast at 1,892 pounds per acre, 168 pounds below last year. If realized, this will be the lowest tobacco harvested acreage and production on record.

**Hops:** Production of hops is forecast at 117 million pounds for 2020, up 5 percent from last year. Area harvested is forecast at 59,150 acres, up 5 percent from 2019. Yield is forecast at 1,982 pounds per acre, 1 pound higher than the 2019 yield. If realized, this will be the highest harvested acreage on record, continuing a steady upward trend.

**Apples, commercial:** United States apple production for the 2020 crop year is forecast at 10.7 billion pounds, down 3 percent from the previous year. Forecasted production this season is expected to be lower compared with last year, in all States except Oregon. Michigan had a cool to cold late winter that delayed the development of spring buds and severe freeze in early May 2020. Apple production in Michigan is expected to be 3 percent lower than the previous year.

**Cranberries:** United States 2020 total cranberry production is forecast at 8.97 million barrels, up 13 percent from 2019. Wisconsin production is forecast at 5.50 million barrels, up 18 percent from 2019 as growers reported more favorable growing conditions than last year. Production in Massachusetts, forecast at a record high 2.40 million barrels, is up 11 percent from last year. As of August 2, sixty percent of Massachusetts' cranberry crop was rated in good to excellent condition.

**Grapes:** United States grape production for 2020 is forecast at 7.18 million tons, up 4 percent from last year. California's wine type grape production is forecast at 4.00 million tons, unchanged from 2019, and represents 59 percent of California's total grape crop. California's raisin type grape production is forecast at 1.40 million tons, up 8 percent from last year, and represents 21 percent of California's total grape crop. California's table type grape production is forecast at 1.35 million tons, up 14 percent from last year and represents the remaining 20 percent of California's total grape crop. If realized, this will be the highest table grape production on record.

**Peaches:** United States peach production is forecast at 645,500 tons, down 5 percent from 2019.

In California, Freestone full bloom occurred on March 3, fifteen days earlier than last year, and was reported to be good. Harvest began in Kingsburg on June 8, with smaller fruit sizes and a tight labor supply reported. Clingstone peaches received adequate chilling hours and favorable weather during the spring that benefited the crop. Overall conditions have been favorable as mid-season peach harvest continued.

In South Carolina, despite a lack of chill hours and damage from hail in some areas, the crop is expected to be the largest since 2011. As a result, demand and movement were moderate and steady with generally good quality fruit reported. Harvest began in mid-May and was 90 percent complete by August 2. In Georgia, growers were expecting a good crop. Harvest began mid-May and was 97 percent complete by August 2.

In Colorado, a severe freeze in the western slope growing region severely damaged the crop. In Michigan and New Jersey, the crop was lessened by freezing spring temperatures as well.

**Pears:** United States pear production for 2020 is forecast at 800,000 tons, up 10 percent from last year. In California, pear harvest continued. Growing conditions have been ideal which has improved fruit sizing. Growers in Oregon and Washington reported favorable, mild spring and summer conditions ideal for a healthy crop. Growers expect good crop volume with improved quality and sizing.

## Statistical Methodology

**Survey procedures:** Objective yield and farm operator surveys were conducted between July 25 and August 6 to gather information on expected yields as of August 1. The objective yield survey for winter wheat was conducted in 10 States that account for 74 percent of the 2019 winter wheat production. The objective yield survey for cotton was only conducted in the southern portions of Texas. Farm operators selected for the objective yield survey were interviewed to update previously reported acreage data and seek permission to randomly locate two sample plots in selected fields for the objective yield survey. The counts made within each sample plot depend on the crop and the maturity of that crop. In all cases, the number of plants is recorded along with other measurements that provide information to forecast the number heads or bolls 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 are harvested and weighed. After the farm operator has harvested the sample field, another plot is sampled to obtain current year harvesting loss. Starting in 2019, NASS eliminated the August objective yield survey for cotton (except Texas), corn, and soybeans. The first objective yield survey conducted for these crops will begin in September.

The farm operator survey was conducted primarily by telephone with some use of mail and internet. Approximately 20,300 producers were interviewed during the survey period and asked questions about probable yield. These growers will continue to be surveyed throughout the growing season to provide indications of average yields.

**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 with 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 August 1 forecasts.

**Revision policy:** The August 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. 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 Annual* 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.

**Reliability:** To assist users in evaluating the reliability of the August 1 production forecast, the “Root Mean Square Error,” a statistical measure based on past performance, is computed. The deviation between the August 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 August 1 corn for grain production forecast is 3.6 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 3.6 percent. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 6.2 percent.

Also, shown in the following table is a 20-year record for selected crops of the differences between the August 1 forecast and the final estimate. Using corn again as an example, changes between the August 1 forecast and the final estimate during the last 20 years have averaged 317 million bushels, ranging from 5 million bushels to 940 million bushels. The August 1 forecast has been below the final estimate 9 times and above 11 times. This does not imply that the August 1 corn forecast this year is likely to understate or overstate final production.

## Reliability of August 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)
Barley ..... bushels	5.9	10.1	10	1	25	7	13
Corn for grain ..... bushels	3.6	6.2	317	5	940	9	11
Hay							
Alfalfa ..... tons	4.1	7.1	2	(Z)	5	3	17
Other ..... tons	3.1	5.4	2	(Z)	4	4	16
Oats ..... bushels	12.1	21.0	9	(Z)	27	2	18
Peanuts ..... pounds	10.4	18.0	382	32	1,461	12	8
Rice ..... cwt	5.0	8.7	9	1	21	9	11
Sorghum for grain ..... bushels	8.2	14.2	24	(Z)	107	9	11
Soybeans for beans ..... bushels	6.4	11.1	154	6	408	14	6
Sugarbeets ..... tons	7.0	12.1	2	(Z)	6	11	9
Sugarcane ..... tons	6.8	11.7	2	(Z)	4	9	11
Upland cotton <sup>1</sup> ..... bales	7.8	13.4	1,197	192	3,025	8	12
Wheat							
Winter wheat ..... bushels	2.1	3.6	23	(Z)	71	6	14
Durum wheat ..... bushels	8.6	14.8	6	(Z)	12	9	11
Other spring ..... bushels	7.0	12.1	29	3	69	11	9

(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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Joshua Bates – Oats, Soybeans .....	(202) 690-3234
David Colwell – Current Agricultural Industrial Reports.....	(202) 720-8800
Chris Hawthorn – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-2127
James Johanson – Barley, County Estimates, Hay .....	(202) 690-8533
Greg Lemmons – Corn, Flaxseed, Proso Millet.....	(202) 720-9526
Jean Porter – Rye, Wheat.....	(202) 720-8068
John Stephens – Peanuts, Rice.....	(202) 720-7688
Travis Thorson – Sunflower, Other Oilseeds.....	(202) 720-7369
Vacant, Head, Fruits, Vegetables and Special Crops Section.....	(202) 720-2127
Anastasiya Osborne – Almonds, Apples, Apricots, Asparagus, Carrots, Coffee, Onions, Plums, Prunes, Sweet Corn, Tobacco.....	(202) 720-4288
Fleming Gibson – Cauliflower, Celery, Grapefruit, Lemons, Macadamia, Mandarins and tangerines, Mushrooms, Olives, Oranges .....	(202) 720-5412
Heidi Lanouette – Cranberries, Cucumbers, Pistachios, Potatoes, Pumpkins, Raspberries, Squash, Strawberries, Sugarbeets, Sugarcane, Sweet Potatoes, Tame Blueberries, Wild Blueberries .....	(202) 720-4285
Dan Norris – Artichokes, Cantaloupes, Dry Edible Peas, Green Peas, Lentils, Nectarines, Papayas, Peaches, Snap Beans, Spinach, Walnuts, Watermelons .....	(202) 720-3250
Krishna Rizal – Dry Beans, Garlic, Hazelnuts, Honeydews, Kiwifruit, Lettuce, Maple Syrup, Mint, Pears, Sweet Cherries, Tart Cherries, Tomatoes.....	(202) 720-2157
Dawn Smoker – Avocados, Bell Peppers, Broccoli, Cabbage, Chickpeas, Chile Peppers, Dates, Floriculture, Grapes, Hops, Pecans .....	(202) 720-4215

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- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist [notifications@usda-esmis.library.cornell.edu](mailto:notifications@usda-esmis.library.cornell.edu) in your email client to avoid the emails going into spam/junk folders.

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@usda.gov](mailto:nass@usda.gov).

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