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Crop Production 2020 Summary

January 2021

USDA



Special Note

To assist users with interpreting the harvested acreage estimates for corn and soybeans, the following table provides estimates of the portion of the total harvested acreage that was left to be harvested when the survey was conducted. These estimates are based on data provided by respondents who were contacted between November 28 and December 17.

Corn and Soybean Area Planted, Harvested, and Left to be Harvested, – United States 2019 and 2020

Crop	Planted		Harvested ¹		Left to be Harvested
	2019 <i>(1,000 acres)</i>	2020 <i>(1,000 acres)</i>	2019 <i>(1,000 acres)</i>	2020 <i>(1,000 acres)</i>	2020 <i>(1,000 acres)</i>
Corn ²	89,745	90,819	81,337	82,467	330
Soybeans	76,100	83,084	74,939	82,318	494

¹ Includes acres left to be harvested.

² Planted for all purposes; harvested for grain.

Corn for grain production in 2020 was estimated at 14.2 billion bushels, up 4 percent from the 2019 estimate. The average yield in the United States was estimated at 172.0 bushels per acre, 4.5 bushels above the 2019 yield of 167.5 bushels per acre. Area harvested for grain was estimated at 82.5 million acres, up 1 percent from the 2019 estimate.


Sorghum: Grain production in 2020 was estimated at 373 million bushels, up 9 percent from the 2019 total. Planted area for 2020 was estimated at 5.88 million acres, up 12 percent from the previous year. Area harvested for grain, at 5.10 million acres, was up 9 percent from 2019. Grain yield was estimated at 73.2 bushels per acre, up 0.2 bushel from 2019.

Rice: Production in 2020 totaled 228 million cwt, up 23 percent from the 2019 total. Planted area for 2020 was estimated at 3.04 million acres, up 19 percent from 2019. Area harvested, at 2.99 million acres, was up 21 percent from the previous crop year. The average yield for all United States rice was estimated at 7,619 pounds per acre, up 146 pounds from the 2019 average yield of 7,473 pounds per acre.

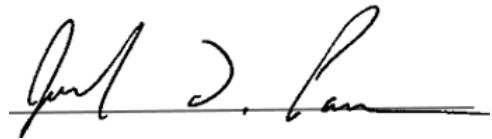
Soybean production in 2020 totaled 4.14 billion bushels, up 16 percent from 2019. The average yield per acre was estimated at 50.2 bushels, up 2.8 bushels from 2019. Harvested area was up 10 percent from 2019 to 82.3 million acres.

All cotton production is estimated at 15.0 million 480-pound bales, down 25 percent from 2019. The United States yield is estimated at 825 pounds per acre, up 2 pounds from last year. Harvested area, at 8.70 million acres, is down 25 percent from last year.

This report was approved on January 12, 2021.



Secretary of
Agriculture
Sonny Perdue



Agricultural Statistics Board
Chairperson
Joseph L. Parsons

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Principal Crops Area Planted and Harvested – States and United States: 2018-2020

[Crops included are corn, sorghum, oats, barley, rye, winter wheat, Durum wheat, other spring wheat, rice, soybeans, peanuts, sunflower, cotton, dry edible beans, chickpeas, potatoes, canola, proso millet, and sugarbeets. Harvested acreage is used for all hay, tobacco, and sugarcane in computing total area planted. Includes double cropped acres and unharvested small grains planted as cover crops]

State	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama	2,325	2,115	2,130	2,218	2,045	2,047
Alaska	28	28	28	27	27	27
Arizona	665	637	573	640	628	565
Arkansas	7,282	6,603	6,891	7,099	6,427	6,743
California	2,946	2,983	2,621	2,515	2,567	2,224
Colorado	6,140	6,091	5,744	5,585	5,799	5,002
Connecticut	70	70	70	67	68	68
Delaware	453	435	440	409	415	412
Florida	1,114	1,079	1,090	1,063	1,060	1,074
Georgia	3,653	3,359	3,368	3,141	3,135	3,173
Idaho	4,177	4,111	4,111	4,064	3,956	3,958
Illinois	22,936	21,590	22,720	22,480	21,210	22,485
Indiana	12,120	11,250	11,900	11,950	11,070	11,810
Iowa	24,241	23,935	24,330	23,829	23,619	23,713
Kansas	23,465	23,313	23,469	22,694	22,469	22,651
Kentucky	5,693	5,712	6,096	5,503	5,552	5,901
Louisiana	3,287	3,024	3,090	3,113	2,951	3,037
Maine	227	228	226	221	221	218
Maryland	1,572	1,556	1,554	1,361	1,346	1,306
Massachusetts	93	65	74	91	62	72
Michigan	6,390	5,552	6,366	6,264	5,347	6,257
Minnesota	19,484	18,350	19,303	19,132	17,834	18,927
Mississippi	4,144	3,822	4,009	4,059	3,720	3,939
Missouri	13,782	12,827	13,408	13,393	12,367	13,141
Montana	9,835	9,981	9,790	9,349	9,381	9,487
Nebraska	19,742	19,177	19,780	19,341	18,778	19,471
Nevada	401	450	333	380	447	333
New Hampshire	52	61	55	51	60	54
New Jersey	314	282	312	304	272	303
New Mexico	874	833	740	618	551	500
New York	2,828	2,591	2,636	2,764	2,504	2,569
North Carolina	4,593	4,400	4,336	4,348	4,273	4,133
North Dakota	24,163	23,223	20,903	23,622	21,243	20,320
Ohio	10,065	8,595	9,895	9,930	8,340	9,735
Oklahoma	10,036	9,390	9,197	7,550	7,396	7,051
Oregon	1,997	1,913	1,911	1,934	1,881	1,870
Pennsylvania	3,443	3,686	4,042	3,321	3,495	3,787
Rhode Island	8	7	7	8	7	7
South Carolina	1,498	1,428	1,411	1,368	1,358	1,367
South Dakota	17,300	13,816	15,581	16,590	13,214	15,189
Tennessee	4,896	4,836	4,861	4,754	4,716	4,746
Texas	21,833	21,516	21,872	14,922	16,697	14,999
Utah	871	908	947	836	888	924
Vermont	255	241	252	249	237	247
Virginia	2,634	2,609	2,637	2,502	2,474	2,491
Washington	3,697	3,560	3,663	3,607	3,487	3,585
West Virginia	617	567	591	609	565	590
Wisconsin	8,014	7,625	8,141	7,747	7,068	7,639
Wyoming	1,474	1,504	1,429	1,417	1,456	1,366
United States ¹	319,305	303,073	310,107	299,244	284,827	291,666

¹ States do not add to United States due to rye unallocated acreage.

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Corn Area Planted for All Purposes and Harvested for Grain, Yield, and Production – States and United States: 2018-2020

State	Area planted for all purposes			Area harvested for grain		
	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)
Alabama	255	320	330	245	305	320
Arizona	80	90	75	20	37	29
Arkansas	660	770	620	645	735	605
California	430	480	440	65	60	60
Colorado	1,460	1,550	1,420	1,190	1,300	1,060
Connecticut ¹	23	23	24	(NA)	(NA)	(NA)
Delaware	170	185	180	166	180	176
Florida	95	95	100	62	54	61
Georgia	325	395	420	285	350	390
Idaho	350	390	390	125	150	130
Illinois	11,000	10,500	11,300	10,800	10,200	11,100
Indiana	5,300	5,000	5,400	5,120	4,820	5,250
Iowa	13,200	13,500	13,600	12,750	13,050	12,900
Kansas	5,450	6,400	6,100	4,980	6,020	5,720
Kentucky	1,330	1,550	1,490	1,220	1,450	1,380
Louisiana	460	570	500	450	545	485
Maine ¹	30	29	30	(NA)	(NA)	(NA)
Maryland	440	510	480	380	460	430
Massachusetts ¹	14	14	14	(NA)	(NA)	(NA)
Michigan	2,250	2,000	2,350	1,890	1,610	1,990
Minnesota	7,900	7,800	8,000	7,460	7,250	7,510
Mississippi	480	660	510	460	620	490
Missouri	3,500	3,200	3,450	3,330	2,990	3,280
Montana	115	115	115	68	60	61
Nebraska	9,600	10,100	10,200	9,300	9,810	9,890
Nevada ¹	13	15	13	(NA)	(NA)	(NA)
New Hampshire ¹	13	12	13	(NA)	(NA)	(NA)
New Jersey	70	77	87	60	68	80
New Mexico	135	150	125	35	48	37
New York	1,070	1,020	1,050	615	545	510
North Carolina	910	990	1,000	830	930	950
North Dakota	3,150	3,500	1,950	2,930	3,130	1,780
Ohio	3,500	2,800	3,550	3,300	2,570	3,300
Oklahoma	310	370	360	270	330	320
Oregon	75	85	100	40	49	65
Pennsylvania	1,300	1,450	1,500	890	1,060	1,000
Rhode Island ¹	2	2	2	(NA)	(NA)	(NA)
South Carolina	340	380	400	310	350	380
South Dakota	5,300	4,350	4,950	4,860	3,870	4,500
Tennessee	720	970	870	670	910	825
Texas	2,200	2,500	2,250	1,750	2,150	1,810
Utah	70	85	90	22	26	31
Vermont ¹	85	81	85	(NA)	(NA)	(NA)
Virginia	485	540	560	325	380	420
Washington	165	175	180	85	90	80
West Virginia	46	52	51	33	38	38
Wisconsin	3,900	3,800	4,000	3,170	2,670	2,970
Wyoming	95	95	95	70	67	54
United States	88,871	89,745	90,819	81,276	81,337	82,467

See footnote(s) at end of table.

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Corn Area Planted for All Purposes and Harvested for Grain, Yield, and Production – States and United States: 2018-2020 (continued)

State	Yield per acre			Production		
	2018 (bushels)	2019 (bushels)	2020 (bushels)	2018 (1,000 bushels)	2019 (1,000 bushels)	2020 (1,000 bushels)
Alabama	156.0	147.0	158.0	38,220	44,835	50,560
Arizona	220.0	231.0	202.0	4,400	8,547	5,858
Arkansas	181.0	175.0	184.0	116,745	128,625	111,320
California	173.0	168.0	187.0	11,245	10,080	11,220
Colorado	130.0	123.0	116.0	154,700	159,900	122,960
Connecticut ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Delaware	145.0	161.0	160.0	24,070	28,980	28,160
Florida	157.0	161.0	138.0	9,734	8,694	8,418
Georgia	176.0	160.0	180.0	50,160	56,000	70,200
Idaho	213.0	205.0	199.0	26,625	30,750	25,870
Illinois	210.0	181.0	192.0	2,268,000	1,846,200	2,131,200
Indiana	189.0	169.0	187.0	967,680	814,580	981,750
Iowa	196.0	198.0	178.0	2,499,000	2,583,900	2,296,200
Kansas	129.0	133.0	134.0	642,420	800,660	766,480
Kentucky	175.0	169.0	184.0	213,500	245,050	253,920
Louisiana	173.0	165.0	181.0	77,850	89,925	87,785
Maine ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Maryland	146.0	161.0	155.0	55,480	74,060	66,650
Massachusetts ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Michigan	153.0	147.0	154.0	289,170	236,670	306,460
Minnesota	182.0	173.0	192.0	1,357,720	1,254,250	1,441,920
Mississippi	185.0	174.0	180.0	85,100	107,880	88,200
Missouri	140.0	155.0	171.0	466,200	463,450	560,880
Montana	85.0	95.0	109.0	5,780	5,700	6,649
Nebraska	192.0	182.0	181.0	1,785,600	1,785,420	1,790,090
Nevada ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
New Hampshire ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
New Jersey	141.0	155.0	156.0	8,460	10,540	12,480
New Mexico	187.0	135.0	195.0	6,545	6,480	7,215
New York	159.0	158.0	157.0	97,785	86,110	80,070
North Carolina	113.0	111.0	113.0	93,790	103,230	107,350
North Dakota	153.0	131.0	139.0	448,290	410,030	247,420
Ohio	187.0	164.0	171.0	617,100	421,480	564,300
Oklahoma	134.0	137.0	135.0	36,180	45,210	43,200
Oregon	195.0	237.0	241.0	7,800	11,613	15,665
Pennsylvania	140.0	153.0	138.0	124,600	162,180	138,000
Rhode Island ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
South Carolina	127.0	106.0	132.0	39,370	37,100	50,160
South Dakota	160.0	144.0	162.0	777,600	557,280	729,000
Tennessee	168.0	177.0	170.0	112,560	161,070	140,250
Texas	108.0	133.0	128.0	189,000	285,950	231,680
Utah	182.0	143.0	149.0	4,004	3,718	4,619
Vermont ¹	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Virginia	146.0	144.0	122.0	47,450	54,720	51,240
Washington	220.0	237.0	228.0	18,700	21,330	18,240
West Virginia	152.0	165.0	144.0	5,016	6,270	5,472
Wisconsin	172.0	166.0	174.0	545,240	443,220	516,780
Wyoming	164.0	123.0	122.0	11,480	8,241	6,588
United States	176.4	167.5	172.0	14,340,369	13,619,928	14,182,479

(NA) Not available.

¹ Area harvested for grain not estimated.

Corn for Silage Area Harvested, Yield, and Production – States and United States: 2018-2020

State	Area harvested			Yield per acre			Production		
	2018	2019	2020	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)	(1,000 tons)	(1,000 tons)	(1,000 tons)
Alabama	5	7	5	16.0	13.0	16.0	80	91	80
Arizona	58	50	45	29.0	29.0	29.0	1,682	1,450	1,305
Arkansas	3	7	6	21.0	16.0	15.0	63	112	90
California	360	415	375	27.5	27.0	27.0	9,900	11,205	10,125
Colorado	190	175	230	22.0	24.0	23.0	4,180	4,200	5,290
Connecticut	20	21	22	19.0	21.0	16.0	380	441	352
Delaware	3	4	4	24.0	23.0	19.0	72	92	76
Florida	30	35	35	21.0	20.0	19.0	630	700	665
Georgia	30	25	25	21.0	22.0	18.0	630	550	450
Idaho	220	235	255	30.0	28.0	29.0	6,600	6,580	7,395
Illinois	100	170	110	20.0	20.0	20.0	2,000	3,400	2,200
Indiana	100	110	130	21.0	20.0	21.0	2,100	2,200	2,730
Iowa	270	360	260	20.5	22.0	20.5	5,535	7,920	5,330
Kansas	390	250	250	13.5	17.5	19.5	5,265	4,375	4,875
Kentucky	90	80	95	21.0	21.0	20.0	1,890	1,680	1,900
Louisiana	2	3	3	20.0	19.0	17.0	40	57	51
Maine	27	26	27	20.0	19.0	19.0	540	494	513
Maryland	45	40	40	19.0	22.0	17.0	855	880	680
Massachusetts	12	11	12	20.0	20.0	16.0	240	220	192
Michigan	340	340	350	17.5	18.5	17.5	5,950	6,290	6,125
Minnesota	340	460	420	22.0	19.0	23.0	7,480	8,740	9,660
Mississippi	7	7	7	15.0	15.0	14.0	105	105	98
Missouri	100	70	100	13.0	16.0	17.0	1,300	1,120	1,700
Montana	37	50	51	20.0	23.0	21.0	740	1,150	1,071
Nebraska	220	200	260	21.0	23.0	19.0	4,620	4,600	4,940
Nevada	7	12	13	26.0	25.0	26.0	182	300	338
New Hampshire	12	11	12	21.0	20.0	20.0	252	220	240
New Jersey	6	7	6	19.0	22.0	20.0	114	154	120
New Mexico	95	93	79	22.0	20.0	21.0	2,090	1,860	1,659
New York	445	445	530	19.0	18.0	18.0	8,455	8,010	9,540
North Carolina	50	50	40	16.0	18.0	14.0	800	900	560
North Dakota	170	140	145	15.0	19.5	15.5	2,550	2,730	2,248
Ohio	160	170	200	20.0	19.0	21.0	3,200	3,230	4,200
Oklahoma	20	20	20	11.0	13.0	14.0	220	260	280
Oregon	34	35	34	23.0	24.0	23.0	782	840	782
Pennsylvania	390	380	485	19.0	20.0	19.0	7,410	7,600	9,215
Rhode Island	2	2	2	21.0	20.0	13.0	42	40	26
South Carolina	19	13	9	14.0	14.0	15.0	266	182	135
South Dakota	360	340	360	16.5	17.5	18.0	5,940	5,950	6,480
Tennessee	38	40	35	19.0	20.0	18.0	722	800	630
Texas	270	280	270	16.0	20.0	18.0	4,320	5,600	4,860
Utah	45	55	55	23.0	24.0	23.0	1,035	1,320	1,265
Vermont	79	77	80	19.0	18.0	19.0	1,501	1,386	1,520
Virginia	135	135	120	19.0	19.0	17.0	2,565	2,565	2,040
Washington	80	85	100	26.0	23.0	26.0	2,080	1,955	2,600
West Virginia	11	12	12	19.0	20.0	19.0	209	240	228
Wisconsin	670	1,040	970	20.0	17.5	21.0	13,400	18,200	20,370
Wyoming	23	22	25	24.0	24.0	20.0	552	528	500
United States	6,120	6,615	6,719	19.9	20.2	20.5	121,564	133,522	137,729

Corn for Grain Objective Yield Data

The National Agricultural Statistics Service conducted objective yield surveys in 10 corn producing States during 2020. Randomly selected plots in corn for grain fields were visited monthly from September through harvest to obtain specific counts and measurements. Data in this table are rounded actual field counts from this survey.

Corn for Grain Plant Population per Acre – Selected States: 2016-2020

State and month	2016	2017	2018	2019	2020	State and month	2016	2017	2018	2019	2020
	(number)	(number)	(number)	(number)	(number)		(number)	(number)	(number)	(number)	(number)
Illinois						Nebraska					
September	31,100	30,800	32,000	31,100	30,600	All corn					
October	31,100	30,900	32,000	30,950	30,400	September	25,900	25,950	27,100	25,850	27,450
November	31,100	30,950	32,000	30,900	30,400	October	25,950	25,800	26,750	25,850	27,450
Final	31,100	30,950	32,000	30,900	30,400	November	26,000	25,700	26,750	25,700	27,400
						Final	26,000	25,700	26,750	25,700	27,400
Indiana						Irrigated					
September	30,200	29,550	30,450	29,300	29,850	September	28,200	29,050	30,300	28,300	29,950
October	29,950	29,350	30,400	29,050	29,800	October	28,200	29,000	29,900	28,350	30,100
November	29,800	29,200	30,400	29,000	29,850	November	28,300	28,750	29,900	28,300	30,100
Final	29,800	29,200	30,400	28,950	29,850	Final	28,300	28,750	29,900	28,300	30,100
Iowa						Non-irrigated					
September	31,250	31,300	31,350	30,850	31,050	September	22,900	22,500	23,350	23,300	24,950
October	31,050	31,150	31,150	30,800	31,000	October	23,000	22,200	23,100	23,250	24,750
November	31,050	31,150	31,100	30,750	31,050	November	23,000	22,250	23,150	23,000	24,700
Final	31,050	31,150	31,100	30,750	31,050	Final	23,000	22,250	23,150	23,000	24,700
Kansas						Ohio					
September	22,550	22,050	22,600	21,350	21,700	September	30,250	29,250	30,550	30,050	29,800
October	22,550	22,100	22,450	21,200	21,650	October	30,100	29,150	30,400	30,100	29,900
November	22,550	22,300	22,450	21,200	21,650	November	30,250	29,100	30,400	30,000	29,900
Final	22,550	22,300	22,450	21,200	21,650	Final	30,250	29,100	30,400	30,000	29,850
Minnesota						South Dakota					
September	30,800	30,750	30,950	30,700	31,750	September	26,200	26,250	27,000	26,400	25,450
October	30,700	30,550	30,900	30,650	31,800	October	26,100	26,200	26,750	26,100	25,400
November	30,550	30,600	30,900	30,550	31,800	November	26,000	26,200	27,000	26,000	25,550
Final	30,550	30,600	30,900	30,650	31,800	Final	26,000	26,200	27,000	25,900	25,550
Missouri						Wisconsin					
September	27,300	27,850	28,500	28,200	28,200	September	30,100	29,450	31,000	30,250	30,300
October	27,750	27,850	28,400	27,500	28,150	October	29,900	29,100	30,600	30,150	30,400
November	27,800	27,950	28,400	27,600	28,200	November	29,800	29,150	30,650	29,750	30,300
Final	27,800	27,950	28,400	27,600	28,200	Final	29,800	29,100	30,650	29,850	30,300
						10 State					
						September	29,050	28,800	29,500	28,650	29,000
						October	28,950	28,700	29,350	28,500	28,950
						November	28,950	28,700	29,400	28,450	28,950
						Final	28,950	28,700	29,350	28,450	28,950

Corn for Grain Number of Ears per Acre – Selected States: 2016-2020

State and month	2016	2017	2018	2019	2020	State and month	2016	2017	2018	2019	2020
	(number)	(number)	(number)	(number)	(number)		(number)	(number)	(number)	(number)	(number)
Illinois						Nebraska					
September	30,350	30,200	31,550	30,300	29,900	All corn					
October	30,450	30,300	31,500	30,300	29,800	September ...	25,700	25,800	27,100	25,850	26,800
November	30,450	30,250	31,500	30,150	29,800	October	25,350	26,050	26,750	25,950	26,850
Final	30,450	30,250	31,500	30,150	29,800	November	25,400	25,950	26,800	25,700	26,750
						Final	25,400	25,950	26,800	25,700	26,750
Indiana						Irrigated					
September	29,600	28,900	30,000	28,900	29,600	September ...	27,850	28,650	29,950	28,200	28,900
October	29,400	29,100	29,800	28,700	29,600	October	27,500	28,950	29,350	28,150	28,850
November	29,250	28,850	29,750	28,650	29,600	November	27,550	28,750	29,300	28,000	28,800
Final	29,250	28,850	29,750	28,600	29,600	Final	27,550	28,750	29,300	28,000	28,800
Iowa						Non-irrigated					
September	30,550	30,600	31,150	30,250	30,600	September ...	22,850	22,600	23,850	23,500	24,650
October	30,400	30,600	30,900	30,200	30,450	October	22,550	22,800	23,650	23,700	24,800
November	30,500	30,600	30,800	30,100	30,550	November	22,550	22,900	23,850	23,400	24,700
Final	30,500	30,600	30,800	30,100	30,550	Final	22,550	22,900	23,850	23,400	24,700
Kansas						Ohio					
September	22,650	22,800	22,350	21,550	22,050	September	29,750	29,500	30,750	29,850	29,350
October	22,450	22,600	21,650	22,250	21,250	October	29,200	29,250	30,300	29,750	29,700
November	22,450	22,650	21,700	22,200	21,250	November	29,600	29,150	30,300	29,550	29,700
Final	22,450	22,650	21,700	22,200	21,250	Final	29,600	29,150	30,300	29,550	29,650
Minnesota						South Dakota					
September	30,550	30,750	30,850	30,050	31,750	September	25,650	26,250	28,100	26,450	25,550
October	30,350	30,850	30,850	29,800	31,850	October	25,350	26,150	27,750	25,300	25,550
November	30,250	30,850	30,800	29,650	31,850	November	25,450	26,200	27,950	25,000	25,700
Final	30,250	30,600	30,800	29,700	31,850	Final	25,450	25,850	28,050	24,900	25,700
Missouri						Wisconsin					
September	26,900	27,750	27,400	26,950	27,650	September	29,300	28,950	30,700	29,850	30,050
October	27,150	27,800	27,300	26,950	27,600	October	28,900	28,800	30,450	30,250	30,400
November	27,150	27,850	27,300	27,100	27,650	November	28,750	28,600	30,450	29,850	30,350
Final	27,150	27,850	27,300	27,100	27,650	Final	28,750	28,550	30,450	29,950	30,350
						10-State					
						September	28,550	28,550	29,350	28,200	28,650
						October	28,350	28,550	29,100	28,200	28,600
						November	28,400	28,500	29,100	28,050	28,600
						Final	28,400	28,450	29,100	28,050	28,600

Corn for Grain Percentage Distribution by Plant Population per Acre – Selected States: 2016-2020

State and year	Plant populations					
	Less than 20,000	20,000- 22,500	22,501- 25,000	25,001- 27,500	27,501- 30,000	More than 30,000
	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)	(Percent)
Illinois						
2016	0.9	0.5	4.3	11.8	18.0	64.5
2017	0.5	1.4	3.8	11.5	20.6	62.2
2018	-	0.9	1.4	6.6	15.6	75.5
2019	0.9	2.8	3.7	9.3	18.7	64.6
2020	0.6	1.9	5.8	13.5	16.0	62.2
Indiana						
2016	1.7	1.7	8.3	11.6	19.8	56.9
2017	5.7	4.9	6.5	13.0	21.1	48.8
2018	1.5	0.8	2.3	10.7	27.5	57.2
2019	5.6	5.6	5.6	11.1	24.1	48.0
2020	1.3	3.8	5.1	12.8	19.2	57.8
Iowa						
2016	0.4	1.8	2.2	8.9	22.7	64.0
2017	1.3	3.4	2.1	5.9	13.5	73.8
2018	0.4	1.7	3.3	6.3	19.2	69.1
2019	0.8	0.8	3.8	9.0	21.1	64.5
2020	-	-	4.3	9.4	21.7	64.6
Kansas						
2016	27.9	14.8	19.4	12.0	17.6	8.3
2017	24.3	21.2	17.2	21.2	12.1	4.0
2018	33.0	12.4	12.4	14.4	7.2	20.6
2019	39.9	8.0	12.0	14.7	14.7	10.7
2020	30.1	14.5	12.7	13.6	16.4	12.7
Minnesota						
2016	0.8	3.0	4.5	11.4	21.2	59.1
2017	2.8	4.7	5.6	7.5	12.1	67.3
2018	-	1.7	8.7	6.1	13.9	69.6
2019	1.4	4.2	8.3	2.8	25.0	58.3
2020	-	0.8	2.3	3.8	19.5	73.6
Missouri						
2016	3.0	6.0	14.0	28.0	23.0	26.0
2017	1.9	1.0	15.5	26.2	26.2	29.2
2018	2.2	6.5	8.6	20.4	28.0	34.3
2019	2.8	8.3	16.7	22.2	16.7	33.3
2020	2.7	0.9	10.9	22.7	32.8	30.0
Nebraska						
2016	9.6	10.1	16.3	20.2	19.7	24.1
2017	16.8	6.3	12.6	19.4	17.8	27.1
2018	12.0	4.9	7.1	16.4	25.1	34.5
2019	15.1	12.3	12.3	17.9	19.8	22.6
2020	10.8	8.8	8.8	8.8	23.0	39.8
Ohio						
2016	1.9	2.9	1.0	9.6	26.9	57.7
2017	2.7	4.4	7.1	15.0	25.7	45.1
2018	1.0	3.9	3.9	7.8	23.5	59.9
2019	-	4.3	4.3	12.8	19.1	59.5
2020	-	-	14.4	13.6	26.3	45.7
South Dakota						
2016	13.2	5.3	17.1	26.3	18.4	19.7
2017	8.1	13.5	16.2	16.2	25.7	20.3
2018	7.4	12.6	11.6	18.9	21.1	28.4
2019	9.3	7.0	23.3	23.3	30.1	7.0
2020	13.7	9.6	21.9	21.9	13.7	19.2
Wisconsin						
2016	2.4	4.9	3.7	11.0	18.3	59.7
2017	4.0	2.7	6.7	20.0	21.3	45.3
2018	2.0	2.0	-	7.9	19.8	68.3
2019	-	-	9.4	15.6	25.0	50.0
2020	1.4	1.4	8.1	6.8	23.0	59.3

- Represents zero.

Corn for Grain Frequency of Farmer Reported Row Widths – Selected States: 2016-2020

State and year	Row width (inches)				
	Less than 30	30	36	38	More than 38
	(number)	(number)	(number)	(number)	(number)
Illinois2016	6	218	-	1	-
.....2017	6	210	4	1	-
.....2018	9	211	-	-	-
.....2019	2	110	1	-	-
.....2020	8	148	2	-	-
Indiana2016	8	118	1	1	1
.....2017	7	117	-	-	-
.....2018	9	126	1	1	-
.....2019	4	53	1	-	-
.....2020	2	79	1	-	-
Iowa2016	12	213	4	4	-
.....2017	2	236	3	3	-
.....2018	12	234	2	1	-
.....2019	3	136	-	1	-
.....2020	9	140	5	3	-
Kansas2016	8	105	-	-	-
.....2017	2	106	2	-	-
.....2018	10	91	-	-	-
.....2019	9	70	-	-	-
.....2020	2	110	-	-	-
Minnesota2016	27	113	2	-	-
.....2017	27	89	2	-	-
.....2018	21	97	3	2	-
.....2019	15	63	3	1	-
.....2020	25	109	-	1	-
Missouri2016	5	96	1	2	-
.....2017	3	101	5	2	-
.....2018	5	90	1	2	1
.....2019	5	30	1	2	-
.....2020	7	99	-	5	-
Nebraska2016		162	23	-	-
.....2017	2	169	23	2	-
.....2018	6	160	25	-	-
.....2019	3	98	15	-	-
.....2020	2	138	15	-	-
Ohio2016	4	105	-	1	-
.....2017	2	109	1	1	-
.....2018	3	100	-	-	-
.....2019	2	45	1	-	-
.....2020	5	113	-	-	-
South Dakota2016	5	71	4	1	2
.....2017	6	75	1	1	-
.....2018	8	92	2	2	-
.....2019	5	45	-	1	-
.....2020	11	62	2	2	-
Wisconsin2016	2	84	2	2	-
.....2017	4	83	5	1	-
.....2018	4	108	4	2	-
.....2019	1	39	-	-	-
.....2020	3	78	1	2	-

- Represents zero.

Corn for Grain Percentage Distribution by Measured Row Width and Average Row Width – Selected States: 2016-2020

State and year	Samples (number)	Row width (inches)						Average row width (inches)	
		20.5 or less (percent)	20.6- 30.5 (percent)	30.6- 34.5 (percent)	34.6- 36.5 (percent)	36.6- 38.5 (percent)	38.6 or greater (percent)		
Illinois	2016	211	2.4	87.6	9.5	-	-	0.5	29.8
	2017	209	1.4	85.1	12.0	0.5	0.5	0.5	30.1
	2018	212	1.9	87.7	10.4	-	-	-	29.9
	2019	107	-	83.2	15.9	0.9	-	-	30.2
	2020	156	2.6	85.2	10.9	-	1.3	-	29.8
Indiana	2016	121	3.3	72.7	22.3	1.7	-	-	29.8
	2017	123	2.4	78.9	17.9	0.8	-	-	29.8
	2018	131	6.1	71.7	19.8	0.8	0.8	0.8	29.8
	2019	54	1.9	77.7	18.5	-	1.9	-	30.2
	2020	78	1.3	80.7	16.7	-	1.3	-	30.2
Iowa	2016	225	2.2	76.9	19.1	0.9	0.9	-	30.0
	2017	237	0.8	76.4	19.0	0.4	3.0	0.4	30.4
	2018	239	3.8	77.4	17.2	0.8	0.8	-	29.9
	2019	133	1.5	78.1	18.8	0.8	0.8	-	30.0
	2020	138	2.9	79.7	11.6	2.9	2.9	-	30.1
Kansas	2016	108	4.6	85.2	10.2	-	-	-	29.6
	2017	99	2.0	75.8	21.2	-	-	1.0	30.1
	2018	97	3.1	76.3	20.6	-	-	-	29.7
	2019	75	4.0	81.3	14.7	-	-	-	29.9
	2020	110	1.8	78.2	20.0	-	-	-	29.7
Minnesota	2016	132	2.3	78.0	17.4	0.8	1.5	-	28.8
	2017	107	4.7	81.4	8.4	0.9	3.7	0.9	28.9
	2018	115	1.7	82.6	11.3	2.6	0.9	0.9	29.3
	2019	72	5.6	72.1	18.1	4.2	-	-	29.0
	2020	133	-	84.9	14.3	-	-	0.8	28.9
Missouri	2016	100	1.0	76.0	20.0	1.0	2.0	-	30.0
	2017	103	1.9	66.1	25.2	3.9	1.0	1.9	30.4
	2018	93	1.1	76.2	18.3	2.2	1.1	1.1	30.1
	2019	36	2.8	74.9	13.9	2.8	5.6	-	30.2
	2020	110	5.5	80.9	10.9	-	2.7	-	29.6
Nebraska	2016	178	-	65.2	20.2	9.0	4.5	1.1	31.2
	2017	191	-	70.7	15.7	9.4	4.2	-	31.0
	2018	183	1.6	65.6	15.3	12.6	4.9	-	31.2
	2019	106	1.9	71.7	14.2	11.3	0.9	-	30.8
	2020	148	-	67.6	23.0	7.4	2.0	-	30.8
Ohio	2016	104	4.8	81.7	10.6	1.9	1.0	-	29.8
	2017	113	0.9	83.2	15.0	0.9	-	-	30.0
	2018	102	2.9	79.5	17.6	-	-	-	29.9
	2019	47	4.3	87.2	6.4	2.1	-	-	29.8
	2020	118	1.7	88.1	10.2	-	-	-	29.9
South Dakota	2016	76	2.6	64.6	26.3	3.9	1.3	1.3	30.4
	2017	74	8.1	62.1	28.4	-	1.4	-	29.6
	2018	95	5.3	69.4	20.0	2.1	2.1	1.1	30.0
	2019	43	4.7	67.4	25.6	-	2.3	-	30.0
	2020	73	5.5	72.6	15.1	2.7	1.4	2.7	29.8
Wisconsin	2016	82	1.2	72.0	22.0	1.2	1.2	2.4	30.5
	2017	75	1.3	61.5	29.3	5.3	1.3	1.3	30.6
	2018	101	0.0	75.2	21.8	-	3.0	-	30.2
	2019	32	3.1	84.4	12.5	-	-	-	29.6
	2020	74	-	75.6	18.9	2.7	1.4	1.4	30.4

- Represents zero.

Sorghum Area Planted for All Purposes and Harvested for Grain, Yield, and Production – States and United States: 2018-2020

State	Area planted for all purposes			Area harvested for grain		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arkansas ¹	12	(NA)	(NA)	10	(NA)	(NA)
Colorado	355	365	370	325	310	255
Georgia ¹	25	(NA)	(NA)	15	(NA)	(NA)
Illinois ¹	18	(NA)	(NA)	16	(NA)	(NA)
Kansas	2,800	2,600	3,000	2,650	2,400	2,800
Louisiana ¹	8	(NA)	(NA)	6	(NA)	(NA)
Mississippi ¹	4	(NA)	(NA)	3	(NA)	(NA)
Missouri ¹	30	(NA)	(NA)	21	(NA)	(NA)
Nebraska	230	200	195	170	130	150
New Mexico ¹	80	(NA)	(NA)	47	(NA)	(NA)
North Carolina ¹	18	(NA)	(NA)	8	(NA)	(NA)
Oklahoma	300	300	305	240	260	230
South Dakota	260	250	210	200	175	160
Texas	1,550	1,550	1,800	1,350	1,400	1,500
United States	5,690	5,265	5,880	5,061	4,675	5,095

State	Yield per acre			Production		
	2018	2019	2020	2018	2019	2020
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Arkansas ¹	77.0	(NA)	(NA)	770	(NA)	(NA)
Colorado	53.0	41.0	20.0	17,225	12,710	5,100
Georgia ¹	53.0	(NA)	(NA)	795	(NA)	(NA)
Illinois ¹	111.0	(NA)	(NA)	1,776	(NA)	(NA)
Kansas	88.0	85.0	85.0	233,200	204,000	238,000
Louisiana ¹	84.0	(NA)	(NA)	504	(NA)	(NA)
Mississippi ¹	90.0	(NA)	(NA)	270	(NA)	(NA)
Missouri ¹	100.0	(NA)	(NA)	2,100	(NA)	(NA)
Nebraska	94.0	93.0	91.0	15,980	12,090	13,650
New Mexico ¹	38.0	(NA)	(NA)	1,786	(NA)	(NA)
North Carolina ¹	60.0	(NA)	(NA)	480	(NA)	(NA)
Oklahoma	50.0	51.0	45.0	12,000	13,260	10,350
South Dakota	80.0	80.0	71.0	16,000	14,000	11,360
Texas	46.0	61.0	63.0	62,100	85,400	94,500
United States	72.1	73.0	73.2	364,986	341,460	372,960

(NA) Not available.

¹ Estimates discontinued in 2019.

Sorghum for Silage Area Harvested, Yield, and Production – States and United States: 2018-2020

State	Area harvested			Yield per acre			Production		
	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)	2018 (tons)	2019 (tons)	2020 (tons)	2018 (1,000 tons)	2019 (1,000 tons)	2020 (1,000 tons)
Arkansas ¹	1	(NA)	(NA)	18.0	(NA)	(NA)	18	(NA)	(NA)
Colorado	8	18	23	14.0	17.0	11.0	112	306	253
Georgia ¹	8	(NA)	(NA)	11.0	(NA)	(NA)	88	(NA)	(NA)
Illinois ¹	1	(NA)	(NA)	14.0	(NA)	(NA)	14	(NA)	(NA)
Kansas	60	95	60	15.0	11.0	15.0	900	1,045	900
Louisiana ¹	1	(NA)	(NA)	12.0	(NA)	(NA)	12	(NA)	(NA)
Mississippi ¹	1	(NA)	(NA)	10.0	(NA)	(NA)	10	(NA)	(NA)
Missouri ¹	7	(NA)	(NA)	12.0	(NA)	(NA)	84	(NA)	(NA)
Nebraska	20	60	15	11.0	10.0	12.0	220	600	180
New Mexico ¹	18	(NA)	(NA)	11.0	(NA)	(NA)	198	(NA)	(NA)
North Carolina ¹	7	(NA)	(NA)	10.0	(NA)	(NA)	70	(NA)	(NA)
Oklahoma	12	16	16	5.0	10.0	12.0	60	160	192
South Dakota	40	65	25	12.5	13.0	14.0	500	845	350
Texas	80	85	100	13.0	12.5	12.5	1,040	1,063	1,250
United States	264	339	239	12.6	11.9	13.1	3,326	4,019	3,125

(NA) Not available.

¹ Estimates discontinued in 2019.

Oat Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

State	Area planted ¹			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama ²	40	(NA)	(NA)	15	(NA)	(NA)
Arkansas	10	5	8	7	3	5
California	110	90	80	6	2	4
Colorado ²	95	(NA)	(NA)	7	(NA)	(NA)
Georgia	60	70	80	15	15	20
Idaho	40	60	50	10	12	14
Illinois	40	70	60	25	10	15
Iowa	135	215	170	33	69	73
Kansas	120	120	140	18	18	16
Maine	21	22	26	19	19	22
Michigan	75	70	70	50	25	30
Minnesota	180	240	255	105	100	160
Missouri	35	50	35	16	6	10
Montana	70	75	70	23	26	38
Nebraska	125	120	135	22	18	29
New York	69	56	52	43	39	32
North Carolina	30	22	37	11	7	12
North Dakota	300	355	365	105	115	105
Ohio	55	75	55	30	25	15
Oklahoma	50	100	110	10	25	11
Oregon	20	20	20	5	9	7
Pennsylvania	65	85	86	35	50	55
South Carolina ²	19	(NA)	(NA)	7	(NA)	(NA)
South Dakota	290	245	310	95	75	140
Texas	450	400	470	50	40	60
Washington ²	17	(NA)	(NA)	4	(NA)	(NA)
Wisconsin	200	265	300	90	120	131
Wyoming ²	25	(NA)	(NA)	9	(NA)	(NA)
United States	2,746	2,830	2,984	865	828	1,004

See footnote(s) at end of table.

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**Oat Area Planted and Harvested, Yield, and Production – States and United States:
2018-2020 (continued)**

State	Yield per acre			Production		
	2018 (bushels)	2019 (bushels)	2020 (bushels)	2018 (1,000 bushels)	2019 (1,000 bushels)	2020 (1,000 bushels)
Alabama ²	63.0	(NA)	(NA)	945	(NA)	(NA)
Arkansas	75.0	70.0	64.0	525	210	320
California	70.0	60.0	75.0	420	120	300
Colorado ²	50.0	(NA)	(NA)	350	(NA)	(NA)
Georgia	71.0	55.0	54.0	1,065	825	1,080
Idaho	84.0	92.0	102.0	840	1,104	1,428
Illinois	83.0	65.0	58.0	2,075	650	870
Iowa	63.0	58.0	78.0	2,079	4,002	5,694
Kansas	49.0	64.0	52.0	882	1,152	832
Maine	67.0	76.0	63.0	1,273	1,444	1,386
Michigan	63.0	57.0	55.0	3,150	1,425	1,650
Minnesota	59.0	62.0	66.0	6,195	6,200	10,560
Missouri	45.0	47.0	43.0	720	282	430
Montana	43.0	55.0	45.0	989	1,430	1,710
Nebraska	69.0	63.0	63.0	1,518	1,134	1,827
New York	54.0	60.0	53.0	2,322	2,340	1,696
North Carolina	66.0	71.0	67.0	726	497	804
North Dakota	82.0	86.0	78.0	8,610	9,890	8,190
Ohio	65.0	46.0	60.0	1,950	1,150	900
Oklahoma	48.0	50.0	45.0	480	1,250	495
Oregon	99.0	97.0	100.0	495	873	700
Pennsylvania	46.0	53.0	50.0	1,610	2,650	2,750
South Carolina ²	62.0	(NA)	(NA)	434	(NA)	(NA)
South Dakota	82.0	82.0	77.0	7,790	6,150	10,780
Texas	50.0	50.0	45.0	2,500	2,000	2,700
Washington ²	46.0	(NA)	(NA)	184	(NA)	(NA)
Wisconsin	61.0	54.0	63.0	5,490	6,480	8,253
Wyoming ²	57.0	(NA)	(NA)	513	(NA)	(NA)
United States	64.9	64.3	65.1	56,130	53,258	65,355

(NA) Not available.

¹ Includes area planted in preceding fall.

² Estimates discontinued in 2019.

Barley Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

State	Area planted ¹			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alaska	5	6	6	4	5	5
Arizona	14	18	12	11	15	8
California	65	65	55	26	47	31
Colorado	60	54	53	53	52	45
Delaware	25	21	21	14	14	15
Idaho	550	550	530	530	530	500
Kansas	17	14	16	6	4	6
Maine	17	15	15	16	14	14
Maryland	45	32	34	24	17	21
Michigan	20	11	11	5	8	8
Minnesota	80	70	70	67	55	50
Montana	790	950	890	600	760	725
New York	10	10	9	8	4	5
North Carolina	11	11	14	8	6	8
North Dakota	470	580	530	385	445	460
Oregon	43	45	37	26	35	25
Pennsylvania	45	35	45	33	25	30
South Dakota	48	37	35	13	9	14
Utah	21	18	17	16	11	10
Virginia	30	30	31	9	7	7
Washington	85	95	90	67	84	71
Wisconsin	25	24	26	10	8	13
Wyoming	72	81	74	51	66	62
United States	2,548	2,772	2,621	1,982	2,221	2,133

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**Barley Area Planted and Harvested, Yield, and Production – States and United States:
2018-2020 (continued)**

State	Yield per acre			Production		
	2018 (bushels)	2019 (bushels)	2020 (bushels)	2018 (1,000 bushels)	2019 (1,000 bushels)	2020 (1,000 bushels)
Alaska	43.0	38.0	43.0	172	190	215
Arizona	100.0	126.0	122.0	1,100	1,890	976
California	69.0	66.0	47.0	1,794	3,102	1,457
Colorado	145.0	138.0	145.0	7,685	7,176	6,525
Delaware	78.0	80.0	84.0	1,092	1,120	1,260
Idaho	101.0	104.0	110.0	53,530	55,120	55,000
Kansas	31.0	33.0	51.0	186	132	306
Maine	73.0	82.0	54.0	1,168	1,148	756
Maryland	70.0	85.0	73.0	1,680	1,445	1,533
Michigan	43.0	44.0	56.0	215	352	448
Minnesota	76.0	67.0	47.0	5,092	3,685	2,350
Montana	56.0	59.0	63.0	33,600	44,840	45,675
New York	58.0	52.0	60.0	464	208	300
North Carolina	80.0	66.0	77.0	640	396	616
North Dakota	74.0	72.0	63.0	28,490	32,040	28,980
Oregon	53.0	78.0	72.0	1,378	2,730	1,800
Pennsylvania	63.0	70.0	76.0	2,079	1,750	2,280
South Dakota	55.0	43.0	44.0	715	387	616
Utah	86.0	93.0	85.0	1,376	1,023	850
Virginia	70.0	65.0	63.0	630	455	441
Washington	73.0	70.0	90.0	4,891	5,880	6,390
Wisconsin	45.0	46.0	46.0	450	368	598
Wyoming	100.0	107.0	96.0	5,100	7,062	5,952
United States	77.5	77.7	77.5	153,527	172,499	165,324

¹ Includes area planted in preceding fall.

All Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

State	Area planted ¹			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama	160	130	135	110	85	70
Arizona	96	36	44	77	35	43
Arkansas	175	110	145	95	50	75
California	425	420	385	147	122	100
Colorado	2,260	2,150	1,900	1,954	2,000	1,520
Delaware	75	60	75	45	50	55
Florida ²	15	(NA)	(NA)	10	(NA)	(NA)
Georgia	200	150	190	70	50	85
Idaho	1,191	1,195	1,240	1,136	1,125	1,164
Illinois	600	650	570	560	550	520
Indiana	310	330	300	260	260	250
Iowa ²	16	(NA)	(NA)	6	(NA)	(NA)
Kansas	7,700	7,100	6,600	7,300	6,700	6,250
Kentucky	450	460	510	300	330	340
Louisiana ²	15	(NA)	(NA)	10	(NA)	(NA)
Maryland	360	345	355	200	165	150
Michigan	510	550	490	470	490	450
Minnesota	1,621	1,450	1,430	1,575	1,400	1,360
Mississippi	55	45	40	30	21	20
Missouri	740	550	480	520	390	370
Montana	5,390	5,450	5,540	5,165	5,135	5,455
Nebraska	1,100	1,070	900	1,010	970	830
Nevada ²	23	(NA)	(NA)	8	(NA)	(NA)
New Jersey	18	19	25	15	14	18
New Mexico	320	365	330	105	110	115
New York	110	90	150	95	66	120
North Carolina	460	290	450	370	225	350
North Dakota	7,735	7,505	6,650	7,635	6,630	6,568
Ohio	490	500	530	450	385	490
Oklahoma	4,400	4,200	4,250	2,500	2,750	2,600
Oregon	800	740	740	770	730	725
Pennsylvania	195	180	235	145	140	190
South Carolina	80	70	110	65	45	95
South Dakota	1,883	1,500	1,400	1,628	1,360	1,360
Tennessee	380	280	300	285	215	230
Texas	4,500	4,600	4,900	1,750	2,100	2,050
Utah	130	125	110	103	116	98
Virginia	230	180	220	155	105	130
Washington	2,220	2,270	2,340	2,165	2,215	2,285
West Virginia ²	7	(NA)	(NA)	3	(NA)	(NA)
Wisconsin	240	195	160	200	150	125
Wyoming	130	125	120	115	110	90
United States	47,815	45,485	44,349	39,612	37,394	36,746

See footnote(s) at end of table.

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**All Wheat Area Planted and Harvested, Yield, and Production – States and United States:
2018-2020 (continued)**

State	Yield per acre			Production		
	2018 (bushels)	2019 (bushels)	2020 (bushels)	2018 (1,000 bushels)	2019 (1,000 bushels)	2020 (1,000 bushels)
Alabama	72.0	72.0	72.0	7,920	6,120	5,040
Arizona	102.6	104.0	99.0	7,898	3,640	4,257
Arkansas	55.0	52.0	55.0	5,225	2,600	4,125
California	81.5	59.4	77.4	11,985	7,244	7,740
Colorado	36.1	49.0	27.0	70,504	98,000	41,040
Delaware	71.0	72.0	73.0	3,195	3,600	4,015
Florida ²	36.0	(NA)	(NA)	360	(NA)	(NA)
Georgia	54.0	56.0	55.0	3,780	2,800	4,675
Idaho	91.9	87.8	96.7	104,410	98,755	112,506
Illinois	66.0	67.0	68.0	36,960	36,850	35,360
Indiana	71.0	62.0	70.0	18,460	16,120	17,500
Iowa ²	58.0	(NA)	(NA)	348	(NA)	(NA)
Kansas	38.0	52.0	45.0	277,400	348,400	281,250
Kentucky	66.0	76.0	63.0	19,800	25,080	21,420
Louisiana ²	65.0	(NA)	(NA)	650	(NA)	(NA)
Maryland	63.0	75.0	73.0	12,600	12,375	10,950
Michigan	76.0	71.0	75.0	35,720	34,790	33,750
Minnesota	59.0	57.0	53.0	92,930	79,800	72,080
Mississippi	49.0	47.0	48.0	1,470	987	960
Missouri	59.0	63.0	62.0	30,680	24,570	22,940
Montana	38.3	42.4	41.7	197,630	217,725	227,345
Nebraska	49.0	57.0	41.0	49,490	55,290	34,030
Nevada ²	112.5	(NA)	(NA)	900	(NA)	(NA)
New Jersey	62.0	66.0	67.0	930	924	1,206
New Mexico	15.0	30.0	28.0	1,575	3,300	3,220
New York	69.0	63.0	66.0	6,555	4,158	7,920
North Carolina	57.0	56.0	60.0	21,090	12,600	21,000
North Dakota	47.6	48.4	47.6	363,483	321,185	312,782
Ohio	75.0	56.0	71.0	33,750	21,560	34,790
Oklahoma	28.0	40.0	40.0	70,000	110,000	104,000
Oregon	67.0	68.0	64.0	51,590	49,640	46,400
Pennsylvania	65.0	73.0	71.0	9,425	10,220	13,490
South Carolina	54.0	48.0	51.0	3,510	2,160	4,845
South Dakota	44.4	48.1	51.9	72,294	65,410	70,520
Tennessee	65.0	67.0	59.0	18,525	14,405	13,570
Texas	32.0	34.0	30.0	56,000	71,400	61,500
Utah	52.0	54.0	53.0	5,356	6,264	5,194
Virginia	60.0	62.0	60.0	9,300	6,510	7,800
Washington	70.8	64.7	72.5	153,210	143,205	165,635
West Virginia ²	46.0	(NA)	(NA)	138	(NA)	(NA)
Wisconsin	71.0	64.0	69.0	14,200	9,600	8,625
Wyoming	34.0	43.0	26.0	3,910	4,730	2,340
United States	47.6	51.7	49.7	1,885,156	1,932,017	1,825,820

(NA) Not available.

¹ Includes area planted in preceding fall.

² Estimates discontinued in 2019.

Winter Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

State	Area planted ¹			Area harvested		
	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)
Alabama	160	130	135	110	85	70
Arizona ²	22	(NA)	(NA)	4	(NA)	(NA)
Arkansas	175	110	145	95	50	75
California	380	390	355	110	100	80
Colorado	2,250	2,150	1,900	1,950	2,000	1,520
Delaware	75	60	75	45	50	55
Florida ²	15	(NA)	(NA)	10	(NA)	(NA)
Georgia	200	150	190	70	50	85
Idaho	720	730	720	680	680	660
Illinois	600	650	570	560	550	520
Indiana	310	330	300	260	260	250
Iowa ²	16	(NA)	(NA)	6	(NA)	(NA)
Kansas	7,700	7,100	6,600	7,300	6,700	6,250
Kentucky	450	460	510	300	330	340
Louisiana ²	15	(NA)	(NA)	10	(NA)	(NA)
Maryland	360	345	355	200	165	150
Michigan	510	550	490	470	490	450
Minnesota ²	11	(NA)	(NA)	5	(NA)	(NA)
Mississippi	55	45	40	30	21	20
Missouri	740	550	480	520	390	370
Montana	1,650	2,000	1,550	1,570	1,900	1,490
Nebraska	1,100	1,070	900	1,010	970	830
Nevada ²	13	(NA)	(NA)	5	(NA)	(NA)
New Jersey	18	19	25	15	14	18
New Mexico	320	365	330	105	110	115
New York	110	90	150	95	66	120
North Carolina	460	290	450	370	225	350
North Dakota	85	85	40	70	70	33
Ohio	490	500	530	450	385	490
Oklahoma	4,400	4,200	4,250	2,500	2,750	2,600
Oregon	720	740	740	695	730	725
Pennsylvania	195	180	235	145	140	190
South Carolina	80	70	110	65	45	95
South Dakota	830	860	630	660	770	600
Tennessee	380	280	300	285	215	230
Texas	4,500	4,600	4,900	1,750	2,100	2,050
Utah	120	125	110	94	116	98
Virginia	230	180	220	155	105	130
Washington	1,700	1,750	1,800	1,650	1,700	1,750
West Virginia ²	7	(NA)	(NA)	3	(NA)	(NA)
Wisconsin	240	195	160	200	150	125
Wyoming	130	125	120	115	110	90
United States	32,542	31,474	30,415	24,742	24,592	23,024

See footnote(s) at end of table.

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Winter Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020 (continued)

State	Yield per acre			Production		
	2018 (bushels)	2019 (bushels)	2020 (bushels)	2018 (1,000 bushels)	2019 (1,000 bushels)	2020 (1,000 bushels)
Alabama	72.0	72.0	72.0	7,920	6,120	5,040
Arizona ²	40.0	(NA)	(NA)	160	(NA)	(NA)
Arkansas	55.0	52.0	55.0	5,225	2,600	4,125
California	77.0	50.0	75.0	8,470	5,000	6,000
Colorado	36.0	49.0	27.0	70,200	98,000	41,040
Delaware	71.0	72.0	73.0	3,195	3,600	4,015
Florida ²	36.0	(NA)	(NA)	360	(NA)	(NA)
Georgia	54.0	56.0	55.0	3,780	2,800	4,675
Idaho	90.0	87.0	101.0	61,200	59,160	66,660
Illinois	66.0	67.0	68.0	36,960	36,850	35,360
Indiana	71.0	62.0	70.0	18,460	16,120	17,500
Iowa ²	58.0	(NA)	(NA)	348	(NA)	(NA)
Kansas	38.0	52.0	45.0	277,400	348,400	281,250
Kentucky	66.0	76.0	63.0	19,800	25,080	21,420
Louisiana ²	65.0	(NA)	(NA)	650	(NA)	(NA)
Maryland	63.0	75.0	73.0	12,600	12,375	10,950
Michigan	76.0	71.0	75.0	35,720	34,790	33,750
Minnesota ²	60.0	(NA)	(NA)	300	(NA)	(NA)
Mississippi	49.0	47.0	48.0	1,470	987	960
Missouri	59.0	63.0	62.0	30,680	24,570	22,940
Montana	50.0	50.0	51.0	78,500	95,000	75,990
Nebraska	49.0	57.0	41.0	49,490	55,290	34,030
Nevada ²	120.0	(NA)	(NA)	600	(NA)	(NA)
New Jersey	62.0	66.0	67.0	930	924	1,206
New Mexico	15.0	30.0	28.0	1,575	3,300	3,220
New York	69.0	63.0	66.0	6,555	4,158	7,920
North Carolina	57.0	56.0	60.0	21,090	12,600	21,000
North Dakota	43.0	53.0	49.0	3,010	3,710	1,617
Ohio	75.0	56.0	71.0	33,750	21,560	34,790
Oklahoma	28.0	40.0	40.0	70,000	110,000	104,000
Oregon	67.0	68.0	64.0	46,565	49,640	46,400
Pennsylvania	65.0	73.0	71.0	9,425	10,220	13,490
South Carolina	54.0	48.0	51.0	3,510	2,160	4,845
South Dakota	48.0	52.0	58.0	31,680	40,040	34,800
Tennessee	65.0	67.0	59.0	18,525	14,405	13,570
Texas	32.0	34.0	30.0	56,000	71,400	61,500
Utah	52.0	54.0	53.0	4,888	6,264	5,194
Virginia	60.0	62.0	60.0	9,300	6,510	7,800
Washington	76.0	70.0	76.0	125,400	119,000	133,000
West Virginia ²	46.0	(NA)	(NA)	138	(NA)	(NA)
Wisconsin	71.0	64.0	69.0	14,200	9,600	8,625
Wyoming	34.0	43.0	26.0	3,910	4,730	2,340
United States	47.9	53.6	50.9	1,183,939	1,316,963	1,171,022

(NA) Not available.

¹ Includes area planted in preceding fall.

² Estimates discontinued in 2019.

Other Spring Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

State	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Colorado ¹	10	(NA)	(NA)	4	(NA)	(NA)
Idaho	460	460	510	445	440	495
Minnesota	1,610	1,450	1,430	1,570	1,400	1,360
Montana	2,900	2,900	3,300	2,820	2,730	3,280
Nevada ¹	10	(NA)	(NA)	3	(NA)	(NA)
North Dakota	6,550	6,700	5,700	6,490	5,950	5,630
Oregon ¹	80	(NA)	(NA)	75	(NA)	(NA)
South Dakota	1,050	640	770	965	590	760
Utah ¹	10	(NA)	(NA)	9	(NA)	(NA)
Washington	520	520	540	515	515	535
United States	13,200	12,670	12,250	12,896	11,625	12,060

State	Yield per acre			Production		
	2018	2019	2020	2018	2019	2020
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Colorado ¹	76.0	(NA)	(NA)	304	(NA)	(NA)
Idaho	95.0	89.0	91.0	42,275	39,160	45,045
Minnesota	59.0	57.0	53.0	92,630	79,800	72,080
Montana	34.0	37.0	38.0	95,880	101,010	124,640
Nevada ¹	100.0	(NA)	(NA)	300	(NA)	(NA)
North Dakota	49.0	49.0	49.0	318,010	291,550	275,870
Oregon ¹	67.0	(NA)	(NA)	5,025	(NA)	(NA)
South Dakota	42.0	43.0	47.0	40,530	25,370	35,720
Utah ¹	52.0	(NA)	(NA)	468	(NA)	(NA)
Washington	54.0	47.0	61.0	27,810	24,205	32,635
United States	48.3	48.3	48.6	623,232	561,095	585,990

(NA) Not available.

¹ Estimates discontinued in 2019.

Durum Wheat Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

State	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Arizona	74	36	44	73	35	43
California	45	30	30	37	22	20
Idaho	11	5	10	11	5	9
Montana	840	550	690	775	505	685
North Dakota	1,100	720	910	1,075	610	905
South Dakota ¹	3	(NA)	(NA)	3	(NA)	(NA)
United States	2,073	1,341	1,684	1,974	1,177	1,662
State	Yield per acre			Production		
	2018	2019	2020	2018	2019	2020
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Arizona	106.0	104.0	99.0	7,738	3,640	4,257
California	95.0	102.0	87.0	3,515	2,244	1,740
Idaho	85.0	87.0	89.0	935	435	801
Montana	30.0	43.0	39.0	23,250	21,715	26,715
North Dakota	39.5	42.5	39.0	42,463	25,925	35,295
South Dakota ¹	28.0	(NA)	(NA)	84	(NA)	(NA)
United States	39.5	45.8	41.4	77,985	53,959	68,808

(NA) Not available.

¹ Estimates discontinued in 2019.

Wheat Production by Class – United States: 2018-2020

[Wheat class estimates are based on the latest available data including both surveys and administrative data]

Crop	2018	2019	2020
	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Winter			
Hard red	662,249	844,947	658,640
Soft red	285,558	239,771	266,235
Hard white	19,347	20,266	12,179
Soft white	216,785	211,979	233,968
Spring			
Hard red	587,007	519,929	530,152
Hard white	13,510	11,841	10,687
Soft white	22,715	29,325	45,151
Durum	77,985	53,959	68,808
Total	1,885,156	1,932,017	1,825,820

Rice Area Planted and Harvested, Yield, and Production by Class – States and United States: 2018-2020

Class and State	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Long grain						
Arkansas	1,250	955	1,325	1,240	935	1,315
California	11	10	12	11	10	12
Louisiana	395	370	430	392	361	425
Mississippi	140	115	165	139	111	164
Missouri	215	180	220	211	166	210
Texas	187	153	180	183	147	176
United States	2,198	1,783	2,332	2,176	1,730	2,302
Medium grain						
Arkansas	190	205	135	181	190	125
California	455	460	465	453	458	462
Louisiana	45	55	50	44	53	49
Mississippi	-	2	1	-	2	1
Missouri	9	7	8	9	7	4
Texas	8	4	4	6	3	3
United States	707	733	663	693	713	644
Short grain ¹						
Arkansas	1	1	1	1	1	1
California	40	33	40	40	33	40
United States	41	34	41	41	34	41
All rice						
Arkansas	1,441	1,161	1,461	1,422	1,126	1,441
California	506	503	517	504	501	514
Louisiana	440	425	480	436	414	474
Mississippi	140	117	166	139	113	165
Missouri	224	187	228	220	173	214
Texas	195	157	184	189	150	179
United States	2,946	2,550	3,036	2,910	2,477	2,987

See footnote(s) at end of table.

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**Rice Area Planted and Harvested, Yield, and Production by Class – States and United States:
2018-2020 (continued)**

Class and State	Yield per acre			Production		
	2018 (pounds)	2019 (pounds)	2020 (pounds)	2018 (1,000 cwt)	2019 (1,000 cwt)	2020 (1,000 cwt)
Long grain						
Arkansas	7,550	7,550	7,530	93,620	70,593	99,020
California	6,000	7,300	7,100	660	730	852
Louisiana	7,160	6,380	6,860	28,067	23,032	29,155
Mississippi	7,350	7,350	7,420	10,217	8,159	12,169
Missouri	7,760	7,360	7,250	16,374	12,218	15,225
Texas	8,000	7,400	8,200	14,640	10,878	14,432
United States	7,517	7,261	7,422	163,578	125,610	170,853
Medium grain						
Arkansas	7,330	7,160	7,220	13,267	13,604	9,025
California	8,810	8,580	8,920	39,909	39,296	41,210
Louisiana	6,880	6,370	6,430	3,027	3,376	3,151
Mississippi	(X)	7,150	7,200	-	143	72
Missouri	7,950	7,550	7,430	716	529	297
Texas	7,000	5,000	5,500	420	150	165
United States	8,274	8,008	8,373	57,339	57,098	53,920
Short grain ¹						
Arkansas	6,000	6,000	6,200	60	60	62
California	7,140	7,080	6,870	2,856	2,336	2,748
United States	7,112	7,047	6,854	2,916	2,396	2,810
All						
Arkansas	7,520	7,480	7,500	106,947	84,257	108,107
California	8,620	8,460	8,720	43,425	42,362	44,810
Louisiana	7,130	6,380	6,820	31,094	26,408	32,306
Mississippi	7,350	7,350	7,420	10,217	8,302	12,241
Missouri	7,770	7,370	7,250	17,090	12,747	15,522
Texas	7,970	7,350	8,150	15,060	11,028	14,597
United States	7,692	7,473	7,619	223,833	185,104	227,583

- Represents zero.

(X) Not applicable.

¹ Sweet rice acreage, yield, and production included with short grain.

Rye Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

State	Area planted ¹			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Georgia ²	190	(D)	(D)	15	(D)	(D)
Minnesota	(D)	50	45	(D)	18	15
North Dakota	(D)	85	75	(D)	57	50
Oklahoma	240	260	270	50	55	52
Pennsylvania	(D)	100	175	(D)	14	36
Wisconsin	(D)	220	215	(D)	20	20
Other States ³	1,581	1,140	1,175	208	146	157
United States	2,011	1,855	1,955	273	310	330

State	Yield per acre			Production		
	2018	2019	2020	2018	2019	2020
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Georgia ²	26.0	(D)	(D)	390	(D)	(D)
Minnesota	(D)	39	38.0	(D)	702	570
North Dakota	(D)	45.0	44.0	(D)	2,565	2,200
Oklahoma	22.0	27.0	14.0	1,100	1,485	728
Pennsylvania	(D)	26	52.0	(D)	364	1,872
Wisconsin	(D)	34	40.0	(D)	680	800
Other States ³	33.4	33.1	34.2	6,942	4,826	5,362
United States	30.9	34.3	34.9	8,432	10,622	11,532

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

¹ Includes area planted in preceding fall.

² Beginning in 2019, estimates included in Other States.

³ In 2018, Other States include Illinois, Kansas, Maine, Maryland, Michigan, Minnesota, Nebraska, New Jersey, New York, North Carolina, North Dakota, Pennsylvania, South Carolina, South Dakota, Texas, Virginia, and Wisconsin. Beginning in 2019, Other States include Georgia, Illinois, Kansas, Michigan, Nebraska, New York, North Carolina, South Dakota, and Texas.

Proso Millet Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

State	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Colorado	300	340	425	270	320	310
Nebraska	95	115	130	81	106	125
South Dakota	48	51	54	39	39	49
United States	443	506	609	390	465	484

State	Yield per acre			Production		
	2018	2019	2020	2018	2019	2020
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Colorado	28.0	37.0	14.5	7,560	11,840	4,495
Nebraska	32.0	31.0	24.0	2,592	3,286	3,000
South Dakota	37.0	38.0	35.0	1,443	1,482	1,715
United States	29.7	35.7	19.0	11,595	16,608	9,210

All Hay Area Harvested, Yield, and Production – States and United States: 2018-2020

State	Area harvested			Yield per acre		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
Alabama	850	700	750	2.80	2.50	3.10
Alaska	22	22	22	1.30	1.30	1.10
Arizona	300	325	310	7.82	7.72	7.94
Arkansas	1,203	1,253	1,273	1.80	2.20	2.10
California	980	1,010	825	5.80	5.74	5.59
Colorado	1,420	1,460	1,380	2.55	2.78	2.39
Connecticut	47	47	46	2.34	1.72	1.80
Delaware	13	14	14	2.62	2.21	2.43
Florida	280	270	280	3.10	2.90	3.00
Georgia	600	560	570	2.90	2.75	3.00
Idaho	1,340	1,300	1,300	3.75	3.93	4.05
Illinois	470	420	490	2.79	2.71	3.02
Indiana	510	520	500	2.71	2.48	2.56
Iowa	940	1,020	1,160	3.19	3.05	3.19
Kansas	2,360	2,280	2,590	2.02	2.77	2.28
Kentucky	1,895	1,945	2,195	2.68	2.27	2.47
Louisiana	380	390	400	2.20	2.50	2.40
Maine	110	110	104	1.89	2.15	1.76
Maryland	195	189	200	2.83	2.68	2.16
Massachusetts	79	51	60	1.48	2.25	1.77
Michigan	810	780	780	2.24	2.38	2.56
Minnesota	1,220	1,100	1,230	2.52	2.70	2.88
Mississippi	590	610	650	2.10	2.30	2.50
Missouri	3,070	3,360	3,070	1.76	2.19	2.10
Montana	2,900	3,000	2,860	1.93	2.08	2.07
Nebraska	2,700	2,450	2,740	2.59	2.48	2.32
Nevada	365	435	320	3.17	3.60	3.58
New Hampshire	39	49	42	1.77	1.69	1.83
New Jersey	114	91	106	1.93	2.05	1.85
New Mexico	250	245	225	3.73	3.89	3.65
New York	1,220	1,180	1,060	2.25	1.90	1.61
North Carolina	816	816	665	2.71	2.30	2.40
North Dakota	2,670	2,420	2,220	1.66	1.70	1.62
Ohio	970	920	860	2.43	2.32	2.44
Oklahoma	3,230	3,005	2,790	1.59	1.98	1.92
Oregon	1,000	970	960	3.06	3.47	3.10
Pennsylvania	1,190	1,210	1,355	2.30	2.47	2.43
Rhode Island	6	5	5	2.00	1.40	1.60
South Carolina	270	270	310	2.50	2.10	2.40
South Dakota	3,250	3,350	3,050	1.78	2.09	1.76
Tennessee	1,720	1,763	1,749	2.46	2.31	2.37
Texas	4,740	4,920	5,010	1.77	1.87	1.92
Utah	650	680	730	3.38	3.85	3.48
Vermont	170	160	167	2.15	1.86	1.88
Virginia	1,140	1,145	1,135	2.23	2.23	2.39
Washington	760	640	690	3.64	3.83	3.79
West Virginia	535	515	540	1.72	1.74	1.92
Wisconsin	1,360	1,300	1,370	2.17	2.14	2.54
Wyoming	1,090	1,150	1,080	2.20	2.17	2.49
United States	52,839	52,425	52,238	2.34	2.46	2.43

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All Hay Area Harvested, Yield, and Production – States and United States: 2018-2020 (continued)

State	Production		
	2018 (1,000 tons)	2019 (1,000 tons)	2020 (1,000 tons)
Alabama	2,380	1,750	2,325
Alaska	29	29	24
Arizona	2,346	2,509	2,460
Arkansas	2,168	2,760	2,677
California	5,682	5,795	4,610
Colorado	3,621	4,052	3,298
Connecticut	110	81	83
Delaware	34	31	34
Florida	868	783	840
Georgia	1,740	1,540	1,710
Idaho	5,019	5,111	5,270
Illinois	1,309	1,140	1,479
Indiana	1,382	1,290	1,282
Iowa	2,998	3,116	3,697
Kansas	4,760	6,315	5,893
Kentucky	5,088	4,424	5,428
Louisiana	836	975	960
Maine	208	236	183
Maryland	552	507	432
Massachusetts	117	115	106
Michigan	1,812	1,858	2,000
Minnesota	3,077	2,966	3,546
Mississippi	1,239	1,403	1,625
Missouri	5,408	7,367	6,437
Montana	5,595	6,225	5,908
Nebraska	6,985	6,085	6,370
Nevada	1,158	1,565	1,147
New Hampshire	69	83	77
New Jersey	220	187	196
New Mexico	932	954	822
New York	2,744	2,240	1,710
North Carolina	2,210	1,877	1,598
North Dakota	4,419	4,116	3,596
Ohio	2,356	2,137	2,102
Oklahoma	5,121	5,935	5,364
Oregon	3,056	3,362	2,976
Pennsylvania	2,739	2,986	3,297
Rhode Island	12	7	8
South Carolina	675	567	744
South Dakota	5,788	7,003	5,365
Tennessee	4,231	4,073	4,140
Texas	8,374	9,216	9,604
Utah	2,195	2,618	2,540
Vermont	366	298	314
Virginia	2,540	2,555	2,711
Washington	2,764	2,448	2,616
West Virginia	922	894	1,035
Wisconsin	2,953	2,784	3,483
Wyoming	2,393	2,496	2,690
United States	123,600	128,864	126,812

Alfalfa and Alfalfa Mixtures for Hay Area Harvested, Yield, and Production – States and United States: 2018-2020

State	Area harvested			Yield per acre		
	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)	2018 (tons)	2019 (tons)	2020 (tons)
Arizona	260	280	260	8.30	8.30	8.50
Arkansas	3	3	3	2.50	3.20	3.30
California	620	580	475	6.90	7.10	7.20
Colorado	730	730	700	3.40	3.70	3.40
Connecticut	7	7	6	2.50	1.90	1.90
Delaware	4	3	4	2.90	3.00	2.50
Idaho	1,050	1,010	1,010	4.20	4.40	4.50
Illinois	250	200	220	3.30	3.50	3.90
Indiana	240	220	220	3.00	3.00	2.90
Iowa	620	700	830	3.70	3.40	3.50
Kansas	610	630	540	3.50	4.00	3.70
Kentucky	145	145	145	3.10	3.20	3.50
Maine	10	10	9	2.30	2.10	2.30
Maryland	40	34	35	4.50	3.50	2.90
Massachusetts	9	6	5	2.10	2.70	1.30
Michigan	590	550	550	2.40	2.50	2.80
Minnesota	720	730	740	2.85	3.10	3.60
Missouri	270	260	220	2.40	2.70	2.70
Montana	1,900	2,100	1,900	2.05	2.15	2.20
Nebraska	850	950	860	4.30	3.80	3.80
Nevada	185	225	175	4.70	4.90	4.40
New Hampshire	4	4	5	2.20	1.50	2.00
New Jersey	9	11	16	3.40	3.20	2.70
New Mexico	160	160	130	4.70	4.90	5.30
New York	300	290	300	2.40	2.20	1.90
North Carolina	6	6	5	3.90	2.30	2.70
North Dakota	1,470	1,220	1,220	1.70	1.80	1.80
Ohio	350	330	300	3.10	2.90	2.90
Oklahoma	230	205	190	2.70	3.00	3.60
Oregon	420	400	360	4.10	4.70	4.60
Pennsylvania	300	290	395	2.90	3.00	3.00
Rhode Island	1	1	1	2.00	2.20	2.00
South Dakota	1,750	1,900	1,800	2.15	2.35	1.80
Tennessee	20	13	19	3.30	3.70	3.90
Texas	140	120	110	5.60	4.80	4.90
Utah	500	510	550	3.70	4.30	3.80
Vermont	20	20	17	1.80	2.30	1.70
Virginia	40	45	35	3.00	3.00	3.60
Washington	350	330	410	4.50	4.60	4.40
West Virginia	15	15	10	2.50	2.90	2.80
Wisconsin	820	880	840	2.35	2.40	3.20
Wyoming	590	620	610	2.70	2.70	3.10
United States	16,608	16,743	16,230	3.17	3.28	3.27

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Alfalfa and Alfalfa Mixtures for Hay Area Harvested, Yield, and Production – States and United States: 2018-2020 (continued)

State	Production		
	2018 (1,000 tons)	2019 (1,000 tons)	2020 (1,000 tons)
Arizona	2,158	2,324	2,210
Arkansas	8	10	10
California	4,278	4,118	3,420
Colorado	2,482	2,701	2,380
Connecticut	18	13	11
Delaware	12	9	10
Idaho	4,410	4,444	4,545
Illinois	825	700	858
Indiana	720	660	638
Iowa	2,294	2,380	2,905
Kansas	2,135	2,520	1,998
Kentucky	450	464	508
Maine	23	21	21
Maryland	180	119	102
Massachusetts	19	16	7
Michigan	1,416	1,375	1,540
Minnesota	2,052	2,263	2,664
Missouri	648	702	594
Montana	3,895	4,515	4,180
Nebraska	3,655	3,610	3,268
Nevada	870	1,103	770
New Hampshire	9	6	10
New Jersey	31	35	43
New Mexico	752	784	689
New York	720	638	570
North Carolina	23	14	14
North Dakota	2,499	2,196	2,196
Ohio	1,085	957	870
Oklahoma	621	615	684
Oregon	1,722	1,880	1,656
Pennsylvania	870	870	1,185
Rhode Island	2	2	2
South Dakota	3,763	4,465	3,240
Tennessee	66	48	74
Texas	784	576	539
Utah	1,850	2,193	2,090
Vermont	36	46	29
Virginia	120	135	126
Washington	1,575	1,518	1,804
West Virginia	38	44	28
Wisconsin	1,927	2,112	2,688
Wyoming	1,593	1,674	1,891
United States	52,634	54,875	53,067

All Other Hay Area Harvested, Yield, and Production – States and United States: 2018-2020

State	Area harvested			Yield per acre		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
Alabama ¹	850	700	750	2.80	2.50	3.10
Alaska ¹	22	22	22	1.30	1.30	1.10
Arizona	40	45	50	4.70	4.10	5.00
Arkansas	1,200	1,250	1,270	1.80	2.20	2.10
California	360	430	350	3.90	3.90	3.40
Colorado	690	730	680	1.65	1.85	1.35
Connecticut	40	40	40	2.30	1.70	1.80
Delaware	9	11	10	2.40	2.00	2.40
Florida ¹	280	270	280	3.10	2.90	3.00
Georgia ¹	600	560	570	2.90	2.75	3.00
Idaho	290	290	290	2.10	2.30	2.50
Illinois	220	220	270	2.20	2.00	2.30
Indiana	270	300	280	2.45	2.10	2.30
Iowa	320	320	330	2.20	2.30	2.40
Kansas	1,750	1,650	2,050	1.50	2.30	1.90
Kentucky	1,750	1,800	2,050	2.65	2.20	2.40
Louisiana ¹	380	390	400	2.20	2.50	2.40
Maine	100	100	95	1.85	2.15	1.70
Maryland	155	155	165	2.40	2.50	2.00
Massachusetts	70	45	55	1.40	2.20	1.80
Michigan	220	230	230	1.80	2.10	2.00
Minnesota	500	370	490	2.05	1.90	1.80
Mississippi ¹	590	610	650	2.10	2.30	2.50
Missouri	2,800	3,100	2,850	1.70	2.15	2.05
Montana	1,000	900	960	1.70	1.90	1.80
Nebraska	1,850	1,500	1,880	1.80	1.65	1.65
Nevada	180	210	145	1.60	2.20	2.60
New Hampshire	35	45	37	1.70	1.70	1.80
New Jersey	105	80	90	1.80	1.90	1.70
New Mexico	90	85	95	2.00	2.00	1.40
New York	920	890	760	2.20	1.80	1.50
North Carolina	810	810	660	2.70	2.30	2.40
North Dakota	1,200	1,200	1,000	1.60	1.60	1.40
Ohio	620	590	560	2.05	2.00	2.20
Oklahoma	3,000	2,800	2,600	1.50	1.90	1.80
Oregon	580	570	600	2.30	2.60	2.20
Pennsylvania	890	920	960	2.10	2.30	2.20
Rhode Island	5	4	4	1.90	1.30	1.60
South Carolina ¹	270	270	310	2.50	2.10	2.40
South Dakota	1,500	1,450	1,250	1.35	1.75	1.70
Tennessee	1,700	1,750	1,730	2.45	2.30	2.35
Texas	4,600	4,800	4,900	1.65	1.80	1.85
Utah	150	170	180	2.30	2.50	2.50
Vermont	150	140	150	2.20	1.80	1.90
Virginia	1,100	1,100	1,100	2.20	2.20	2.35
Washington	410	310	280	2.90	3.00	2.90
West Virginia	520	500	530	1.70	1.70	1.90
Wisconsin	540	420	530	1.90	1.60	1.50
Wyoming	500	530	470	1.60	1.55	1.70
United States	36,231	35,682	36,008	1.96	2.07	2.05

See footnote(s) at end of table.

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All Other Hay Area Harvested, Yield, and Production – States and United States: 2018-2020 (continued)

State	Production		
	2018 (1,000 tons)	2019 (1,000 tons)	2020 (1,000 tons)
Alabama ¹	2,380	1,750	2,325
Alaska ¹	29	29	24
Arizona	188	185	250
Arkansas	2,160	2,750	2,667
California	1,404	1,677	1,190
Colorado	1,139	1,351	918
Connecticut	92	68	72
Delaware	22	22	24
Florida ¹	868	783	840
Georgia ¹	1,740	1,540	1,710
Idaho	609	667	725
Illinois	484	440	621
Indiana	662	630	644
Iowa	704	736	792
Kansas	2,625	3,795	3,895
Kentucky	4,638	3,960	4,920
Louisiana ¹	836	975	960
Maine	185	215	162
Maryland	372	388	330
Massachusetts	98	99	99
Michigan	396	483	460
Minnesota	1,025	703	882
Mississippi ¹	1,239	1,403	1,625
Missouri	4,760	6,665	5,843
Montana	1,700	1,710	1,728
Nebraska	3,330	2,475	3,102
Nevada	288	462	377
New Hampshire	60	77	67
New Jersey	189	152	153
New Mexico	180	170	133
New York	2,024	1,602	1,140
North Carolina	2,187	1,863	1,584
North Dakota	1,920	1,920	1,400
Ohio	1,271	1,180	1,232
Oklahoma	4,500	5,320	4,680
Oregon	1,334	1,482	1,320
Pennsylvania	1,869	2,116	2,112
Rhode Island	10	5	6
South Carolina ¹	675	567	744
South Dakota	2,025	2,538	2,125
Tennessee	4,165	4,025	4,066
Texas	7,590	8,640	9,065
Utah	345	425	450
Vermont	330	252	285
Virginia	2,420	2,420	2,585
Washington	1,189	930	812
West Virginia	884	850	1,007
Wisconsin	1,026	672	795
Wyoming	800	822	799
United States	70,966	73,989	73,745

¹ Alfalfa and alfalfa mixtures included in all other hay.

Forage Production

Forage production is the sum of all dry hay production and haylage/greenchop production after converting the haylage/greenchop production to a dry equivalent basis (13 percent moisture) by multiplying the green weight (weight at harvest) by 0.4943. The conversion factor (0.4943) is based on the assumption that one ton of dry hay is 0.87 ton of dry matter, one ton of haylage is 0.45 ton dry matter and one ton of greenchop is 0.25 ton dry matter. The total haylage/greenchop production is assumed to be comprised of 90 percent haylage and 10 percent greenchop. Therefore, the conversion factor used to adjust haylage/greenchop production to a dry equivalent basis = $((0.45*0.9)+(0.25*0.1))/0.87 = 0.4943$. The factors assumed here may vary by State and can be adjusted. Adjustments would result in a slightly different conversion factor.

All Forage Area Harvested, Yield, and Production – States and 17 State Total: 2018-2020

[All forage production is the sum of the following dry equivalents: alfalfa hay harvested as dry hay, all other hay harvested as dry hay, alfalfa haylage and greenchop, all other haylage and greenchop; after converting alfalfa and all other haylage and greenchop to a dry equivalent basis]

State	Area harvested			Yield per acre		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California	1,180	1,190	960	5.98	5.93	6.02
Idaho	1,380	1,380	1,390	4.00	4.35	4.35
Illinois	485	450	515	2.92	2.86	3.19
Iowa	995	1,115	1,225	3.31	3.15	3.27
Kansas	2,460	2,345	2,665	2.09	2.85	2.33
Michigan	1,010	990	985	2.70	2.99	3.16
Minnesota	1,380	1,330	1,505	2.73	2.82	3.05
Missouri	3,170	3,490	3,145	1.81	2.20	2.11
Nebraska	2,730	2,505	2,770	2.59	2.50	2.36
New York	1,740	1,640	1,550	3.01	2.52	2.35
Ohio	1,035	970	900	2.66	2.62	2.69
Pennsylvania	1,465	1,430	1,625	2.77	2.98	2.73
South Dakota	3,330	3,505	3,105	1.83	2.10	1.79
Texas	4,845	5,045	5,190	1.84	1.98	2.03
Vermont	295	265	275	3.76	3.54	3.14
Washington	830	670	725	4.07	4.02	4.18
Wisconsin	2,210	2,330	2,360	2.93	2.63	3.07
17 State total	30,540	30,650	30,890	2.61	2.71	2.66

State	Production		
	2018	2019	2020
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California	7,053	7,060	5,780
Idaho	5,516	6,000	6,045
Illinois	1,417	1,285	1,641
Iowa	3,289	3,517	4,006
Kansas	5,140	6,690	6,222
Michigan	2,729	2,959	3,113
Minnesota	3,763	3,745	4,588
Missouri	5,737	7,661	6,644
Nebraska	7,084	6,258	6,544
New York	5,233	4,130	3,635
Ohio	2,757	2,546	2,421
Pennsylvania	4,065	4,265	4,439
South Dakota	6,110	7,365	5,562
Texas	8,910	9,965	10,519
Vermont	1,110	939	864
Washington	3,382	2,694	3,029
Wisconsin	6,479	6,135	7,242
17 State total	79,774	83,214	82,294

All Alfalfa Forage Area Harvested, Yield, and Production – States and 17 State Total: 2018-2020

[All alfalfa forage production is the sum of alfalfa harvested as dry hay and alfalfa haylage and greenchop production after converting it to a dry equivalent basis]

State	Area harvested			Yield per acre		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California	670	610	515	6.75	7.06	7.09
Idaho	1,080	1,060	1,060	4.43	4.86	4.75
Illinois	260	220	235	3.47	3.68	4.15
Iowa	655	765	865	3.84	3.52	3.56
Kansas	620	645	545	3.54	4.05	3.74
Michigan	780	750	745	2.94	3.20	3.44
Minnesota	850	930	980	3.13	3.20	3.68
Missouri	290	290	225	2.68	2.69	2.84
Nebraska	870	990	880	4.26	3.75	3.84
New York	650	530	570	3.95	3.47	3.25
Ohio	390	370	330	3.66	3.44	3.37
Pennsylvania	465	380	535	3.65	4.37	3.48
South Dakota	1,800	2,000	1,845	2.21	2.34	1.83
Texas	145	125	115	5.52	4.90	4.85
Vermont	45	35	45	4.27	4.94	4.16
Washington	355	350	430	4.72	4.63	4.61
Wisconsin	1,590	1,680	1,660	3.29	3.00	3.65
17 State total	11,515	11,730	11,580	3.64	3.61	3.62

State	Production		
	2018	2019	2020
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California	4,523	4,308	3,651
Idaho	4,788	5,155	5,038
Illinois	902	810	976
Iowa	2,514	2,690	3,083
Kansas	2,194	2,613	2,038
Michigan	2,290	2,403	2,566
Minnesota	2,657	2,975	3,607
Missouri	778	781	638
Nebraska	3,704	3,711	3,382
New York	2,566	1,840	1,851
Ohio	1,428	1,273	1,112
Pennsylvania	1,698	1,661	1,860
South Dakota	3,985	4,682	3,373
Texas	801	613	558
Vermont	192	173	187
Washington	1,676	1,619	1,982
Wisconsin	5,239	5,036	6,053
17 State total	41,935	42,343	41,955

All Other Forage Area Harvested, Yield, and Production – States and 17 State Total: 2018-2020

[All other forage production is the sum of other harvested as dry hay and other haylage and greenchop production after converting it to a dry equivalent basis]

State	Area harvested			Yield per acre		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California	510	580	445	4.96	4.74	4.78
Idaho	300	320	330	2.43	2.64	3.05
Illinois	225	230	280	2.29	2.07	2.38
Iowa	340	350	360	2.28	2.36	2.56
Kansas	1,840	1,700	2,120	1.60	2.40	1.97
Michigan	230	240	240	1.91	2.32	2.28
Minnesota	530	400	525	2.09	1.93	1.87
Missouri	2,880	3,200	2,920	1.72	2.15	2.06
Nebraska	1,860	1,515	1,890	1.82	1.68	1.67
New York	1,090	1,110	980	2.45	2.06	1.82
Ohio	645	600	570	2.06	2.12	2.30
Pennsylvania	1,000	1,050	1,090	2.37	2.48	2.37
South Dakota	1,530	1,505	1,260	1.39	1.78	1.74
Texas	4,700	4,920	5,075	1.73	1.90	1.96
Vermont	250	230	230	3.67	3.33	2.94
Washington	475	320	295	3.59	3.36	3.55
Wisconsin	620	650	700	2.00	1.69	1.70
17 State total	19,025	18,920	19,310	1.99	2.16	2.09

State	Production		
	2018	2019	2020
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California	2,530	2,752	2,129
Idaho	728	845	1,007
Illinois	515	475	665
Iowa	775	827	923
Kansas	2,946	4,077	4,184
Michigan	439	556	547
Minnesota	1,106	770	981
Missouri	4,959	6,880	6,006
Nebraska	3,380	2,547	3,162
New York	2,667	2,290	1,784
Ohio	1,329	1,273	1,309
Pennsylvania	2,367	2,604	2,579
South Dakota	2,125	2,683	2,189
Texas	8,109	9,352	9,961
Vermont	918	766	677
Washington	1,706	1,075	1,047
Wisconsin	1,240	1,099	1,189
17 State total	37,839	40,871	40,339

All Haylage and Greenchop Area Harvested, Yield, and Production – States and 17 State Total: 2018-2020

[Includes all types of forage harvested as haylage or greenchop (green weight). Forage harvested as dry hay and corn and sorghum silage/greenchop are not included]

State	Area harvested			Yield per acre		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California	250	210	185	11.10	12.19	12.80
Idaho	105	155	165	9.57	11.60	9.50
Illinois	38	49	54	5.74	5.96	6.06
Iowa	80	140	95	7.36	5.80	6.59
Kansas	120	85	105	6.42	8.92	6.33
Michigan	285	290	280	6.51	7.68	8.04
Minnesota	220	265	315	6.31	5.95	6.69
Missouri	155	190	125	4.29	3.13	3.36
Nebraska	40	75	55	5.05	4.67	6.42
New York	710	610	670	7.09	6.27	5.81
Ohio	135	125	110	6.00	6.62	5.87
Pennsylvania	410	390	370	6.54	6.64	6.24
South Dakota	120	190	80	5.44	3.85	5.00
Texas	145	190	250	7.48	7.97	7.40
Vermont	185	165	175	8.14	7.85	6.36
Washington	119	85	90	10.50	5.85	9.28
Wisconsin	1,120	1,290	1,130	6.37	5.26	6.73
17 State total	4,237	4,504	4,254	6.99	6.44	6.90

State	Production		
	2018	2019	2020
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California	2,774	2,559	2,368
Idaho	1,005	1,798	1,568
Illinois	218	292	327
Iowa	589	812	626
Kansas	770	758	665
Michigan	1,856	2,227	2,252
Minnesota	1,388	1,576	2,108
Missouri	665	595	420
Nebraska	202	350	353
New York	5,035	3,824	3,894
Ohio	810	828	646
Pennsylvania	2,683	2,588	2,310
South Dakota	653	731	400
Texas	1,085	1,515	1,851
Vermont	1,505	1,296	1,113
Washington	1,249	497	835
Wisconsin	7,132	6,780	7,606
17 State total	29,619	29,026	29,342

Alfalfa Haylage and Greenchop Area Harvested, Yield, and Production – States and 17 State Total: 2018-2020

[Includes only alfalfa and alfalfa mixtures that were harvested as haylage or greenchop (green weight). Alfalfa harvested as dry hay is not included]

State	Area harvested			Yield per acre		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California	80	60	60	6.20	6.40	7.80
Idaho	85	115	105	9.00	12.50	9.50
Illinois	24	30	35	6.50	7.40	6.80
Iowa	55	95	50	8.10	6.60	7.20
Kansas	20	25	15	6.00	7.50	5.30
Michigan	260	260	250	6.80	8.00	8.30
Minnesota	180	225	265	6.80	6.40	7.20
Missouri	35	40	15	7.50	4.00	6.00
Nebraska	25	50	35	4.00	4.10	6.60
New York	450	320	360	8.30	7.60	7.20
Ohio	90	90	70	7.70	7.10	7.00
Pennsylvania	250	200	195	6.70	8.00	7.00
South Dakota	75	125	60	6.00	3.50	4.50
Texas	5	10	5	7.00	7.50	7.50
Vermont	45	35	45	7.00	7.30	7.10
Washington	24	40	40	8.50	5.10	9.00
Wisconsin	1,000	1,020	920	6.70	5.80	7.40
17 State total	2,703	2,740	2,525	7.08	6.68	7.40

State	Production		
	2018	2019	2020
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California	496	384	468
Idaho	765	1,438	998
Illinois	156	222	238
Iowa	446	627	360
Kansas	120	188	80
Michigan	1,768	2,080	2,075
Minnesota	1,224	1,440	1,908
Missouri	263	160	90
Nebraska	100	205	231
New York	3,735	2,432	2,592
Ohio	693	639	490
Pennsylvania	1,675	1,600	1,365
South Dakota	450	438	270
Texas	35	75	38
Vermont	315	256	320
Washington	204	204	360
Wisconsin	6,700	5,916	6,808
17 State total	19,145	18,304	18,691

All Other Haylage and Greenchop Area Harvested, Yield, and Production – States and 17 State Total: 2018-2020

[Includes all types of mixtures excluding alfalfa that were harvested as haylage or greenchop (green weight). All other area harvested as dry hay is not included]

State	Area harvested			Yield per acre		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
California	170	150	125	13.40	14.50	15.20
Idaho	20	40	60	12.00	9.00	9.50
Illinois	14	19	19	4.40	3.70	4.70
Iowa	25	45	45	5.70	4.10	5.90
Kansas	100	60	90	6.50	9.50	6.50
Michigan	25	30	30	3.50	4.90	5.90
Minnesota	40	40	50	4.10	3.40	4.00
Missouri	120	150	110	3.35	2.90	3.00
Nebraska	15	25	20	6.80	5.80	6.10
New York	260	290	310	5.00	4.80	4.20
Ohio	45	35	40	2.60	5.40	3.90
Pennsylvania	160	190	175	6.30	5.20	5.40
South Dakota	45	65	20	4.50	4.50	6.50
Texas	140	180	245	7.50	8.00	7.40
Vermont	140	130	130	8.50	8.00	6.10
Washington	95	45	50	11.00	6.50	9.50
Wisconsin	120	270	210	3.60	3.20	3.80
17 State total	1,534	1,764	1,729	6.83	6.08	6.16

State	Production		
	2018	2019	2020
	(1,000 tons)	(1,000 tons)	(1,000 tons)
California	2,278	2,175	1,900
Idaho	240	360	570
Illinois	62	70	89
Iowa	143	185	266
Kansas	650	570	585
Michigan	88	147	177
Minnesota	164	136	200
Missouri	402	435	330
Nebraska	102	145	122
New York	1,300	1,392	1,302
Ohio	117	189	156
Pennsylvania	1,008	988	945
South Dakota	203	293	130
Texas	1,050	1,440	1,813
Vermont	1,190	1,040	793
Washington	1,045	293	475
Wisconsin	432	864	798
17 State total	10,474	10,722	10,651

New Seedings of Alfalfa and Alfalfa Mixtures – States and United States: 2018-2020

State	Area seeded		
	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)
Arizona	35	55	40
Arkansas	1	1	-
California	95	80	65
Colorado	85	80	75
Connecticut	1	1	1
Delaware	1	1	1
Idaho	155	135	115
Illinois	55	35	30
Indiana	40	40	40
Iowa	105	140	125
Kansas	55	75	85
Kentucky	20	17	14
Maine	2	2	1
Maryland	4	3	3
Massachusetts	1	1	1
Michigan	100	100	100
Minnesota	130	160	170
Missouri	30	35	25
Montana	115	130	125
Nebraska	120	140	100
Nevada	21	30	20
New Hampshire	1	1	1
New Jersey	1	2	2
New Mexico	30	15	10
New York	95	70	70
North Carolina	1	2	2
North Dakota	95	70	75
Ohio	35	60	50
Oklahoma	30	55	20
Oregon	40	70	50
Pennsylvania	60	80	65
South Dakota	170	135	130
Tennessee	2	1	1
Texas	15	10	15
Utah	50	65	60
Vermont	7	4	5
Virginia	10	7	6
Washington	60	50	60
West Virginia	3	1	1
Wisconsin	310	480	400
Wyoming	35	30	25
United States	2,221	2,469	2,184

- Represents zero.

Peanut Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

State	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama	165.0	160.0	185.0	161.0	156.0	182.0
Arkansas	26.0	34.0	39.0	23.0	33.0	38.0
Florida	155.0	165.0	175.0	143.0	155.0	165.0
Georgia	665.0	675.0	810.0	655.0	660.0	800.0
Mississippi	25.0	20.0	23.0	24.0	19.0	22.0
New Mexico	5.5	4.7	6.2	5.5	4.7	4.8
North Carolina	102.0	104.0	108.0	98.0	102.0	106.0
Oklahoma	16.0	15.0	15.0	15.0	14.0	14.0
South Carolina	87.0	65.0	85.0	80.0	62.0	82.0
Texas	155.0	165.0	190.0	145.0	160.0	175.0
Virginia	24.0	25.0	28.0	24.0	24.0	27.0
United States	1,425.5	1,432.7	1,664.2	1,373.5	1,389.7	1,615.8

State	Yield per acre			Production		
	2018	2019	2020	2018	2019	2020
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Alabama	3,550	3,350	3,500	571,550	522,600	637,000
Arkansas	4,900	5,200	4,800	112,700	171,600	182,400
Florida	3,950	3,800	3,400	564,850	589,000	561,000
Georgia	4,390	4,170	4,100	2,875,450	2,752,200	3,280,000
Mississippi	3,900	4,000	4,400	93,600	76,000	96,800
New Mexico	2,850	3,210	3,000	15,675	15,087	14,400
North Carolina	3,870	4,400	4,000	379,260	448,800	424,000
Oklahoma	3,070	4,000	4,200	46,050	56,000	58,800
South Carolina	3,400	3,800	3,400	272,000	235,600	278,800
Texas	3,200	3,050	2,800	464,000	488,000	490,000
Virginia	4,200	4,650	4,100	100,800	111,600	110,700
United States	4,001	3,934	3,796	5,495,935	5,466,487	6,133,900

Canola Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

State	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Idaho ¹	43.0	(NA)	(NA)	42.0	(NA)	(NA)
Kansas	47.0	29.0	5.0	35.0	19.0	3.0
Minnesota	46.0	51.0	50.0	45.0	48.5	48.0
Montana	120.0	150.0	155.0	116.0	138.0	149.0
North Dakota	1,590.0	1,700.0	1,510.0	1,580.0	1,610.0	1,490.0
Oklahoma	70.0	35.0	12.0	53.0	21.0	8.0
Oregon ¹	4.7	(NA)	(NA)	4.5	(NA)	(NA)
Washington	70.0	75.0	93.0	67.0	73.0	91.0
United States	1,990.7	2,040.0	1,825.0	1,942.5	1,909.5	1,789.0

State	Yield per acre			Production		
	2018	2019	2020	2018	2019	2020
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Idaho ¹	2,100	(NA)	(NA)	88,200	(NA)	(NA)
Kansas	960	1,090	1,790	33,600	20,710	5,370
Minnesota	2,060	2,270	1,570	92,700	110,095	75,360
Montana	1,120	1,450	1,620	129,920	200,100	241,380
North Dakota	1,960	1,800	1,960	3,096,800	2,898,000	2,920,400
Oklahoma	880	1,410	1,530	46,640	29,610	12,240
Oregon ¹	1,700	(NA)	(NA)	7,650	(NA)	(NA)
Washington	1,790	1,950	2,200	119,930	142,350	200,200
United States	1,861	1,781	1,931	3,615,440	3,400,865	3,454,950

(NA) Not available.

¹ Estimates discontinued in 2019.

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Sunflower Area Planted and Harvested, Yield, and Production by Type – States and United States: 2018-2020

Varietal type and State	Area planted			Area harvested		
	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)
Oil						
California	58.0	49.0	43.0	57.0	49.0	42.5
Colorado	58.0	47.0	42.0	49.0	44.0	32.0
Kansas	43.0	37.0	54.0	41.0	35.0	52.0
Minnesota	45.0	53.0	68.0	44.0	51.0	67.0
Nebraska	25.0	28.0	40.0	24.0	26.0	39.0
North Dakota	395.0	470.0	640.0	380.0	440.0	630.0
South Dakota	520.0	485.0	570.0	480.0	460.0	560.0
Texas	20.0	28.0	33.0	19.0	26.0	30.0
United States	1,164.0	1,197.0	1,490.0	1,094.0	1,131.0	1,452.5
Non-oil						
California	2.0	1.6	1.2	2.0	1.6	1.2
Colorado	8.0	12.0	18.0	7.0	11.0	17.0
Kansas	10.0	8.0	19.0	8.5	7.3	18.0
Minnesota	7.5	5.0	5.5	6.9	4.6	5.0
Nebraska	12.0	9.0	10.0	9.5	8.5	9.0
North Dakota	41.0	65.0	93.0	40.0	54.0	85.0
South Dakota	51.0	48.0	52.0	45.0	31.0	51.0
Texas	5.5	5.0	30.0	4.5	4.5	27.0
United States	137.0	153.6	228.7	123.4	122.5	213.2
All						
California	60.0	50.6	44.2	59.0	50.6	43.7
Colorado	66.0	59.0	60.0	56.0	55.0	49.0
Kansas	53.0	45.0	73.0	49.5	42.3	70.0
Minnesota	52.5	58.0	73.5	50.9	55.6	72.0
Nebraska	37.0	37.0	50.0	33.5	34.5	48.0
North Dakota	436.0	535.0	733.0	420.0	494.0	715.0
South Dakota	571.0	533.0	622.0	525.0	491.0	611.0
Texas	25.5	33.0	63.0	23.5	30.5	57.0
United States	1,301.0	1,350.6	1,718.7	1,217.4	1,253.5	1,665.7

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Sunflower Area Planted and Harvested, Yield, and Production by Type – States and United States: 2018-2020 (continued)

Varietal type and State	Yield per acre			Production		
	2018 (pounds)	2019 (pounds)	2020 (pounds)	2018 (1,000 pounds)	2019 (1,000 pounds)	2020 (1,000 pounds)
Oil						
California	1,300	1,400	1,300	74,100	68,600	55,250
Colorado	1,100	1,000	830	53,900	44,000	26,560
Kansas	1,500	1,400	1,470	61,500	49,000	76,440
Minnesota	2,250	1,850	1,920	99,000	94,350	128,640
Nebraska	1,420	1,300	1,050	34,080	33,800	40,950
North Dakota	1,750	1,500	1,880	665,000	660,000	1,184,400
South Dakota	1,830	1,700	1,900	878,400	782,000	1,064,000
Texas	1,120	1,300	1,370	21,280	33,800	41,100
United States	1,725	1,561	1,802	1,887,260	1,765,550	2,617,340
Non-oil						
California	1,200	1,300	1,200	2,400	2,080	1,440
Colorado	1,150	1,400	1,150	8,050	15,400	19,550
Kansas	1,500	1,250	1,450	12,750	9,125	26,100
Minnesota	2,150	1,800	1,800	14,835	8,280	9,000
Nebraska	1,400	1,300	1,470	13,300	11,050	13,230
North Dakota	1,860	1,650	1,810	74,400	89,100	153,850
South Dakota	1,950	1,600	2,020	87,750	49,600	103,020
Texas	1,400	1,300	1,440	6,300	5,850	38,880
United States	1,781	1,555	1,712	219,785	190,485	365,070
All						
California	1,297	1,397	1,297	76,500	70,680	56,690
Colorado	1,106	1,080	941	61,950	59,400	46,110
Kansas	1,500	1,374	1,465	74,250	58,125	102,540
Minnesota	2,236	1,846	1,912	113,835	102,630	137,640
Nebraska	1,414	1,300	1,129	47,380	44,850	54,180
North Dakota	1,760	1,516	1,872	739,400	749,100	1,338,250
South Dakota	1,840	1,694	1,910	966,150	831,600	1,167,020
Texas	1,174	1,300	1,403	27,580	39,650	79,980
United States	1,731	1,560	1,790	2,107,045	1,956,035	2,982,410

Soybeans for Beans Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

State	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Alabama	345	265	280	335	260	275
Arkansas	3,270	2,650	2,820	3,210	2,610	2,780
Delaware	170	155	150	168	153	148
Florida ¹	18	(NA)	(NA)	12	(NA)	(NA)
Georgia	145	100	100	130	86	95
Illinois	10,800	9,950	10,300	10,500	9,860	10,250
Indiana	6,000	5,400	5,700	5,960	5,360	5,680
Iowa	9,950	9,200	9,400	9,830	9,120	9,320
Kansas	4,750	4,550	4,750	4,690	4,490	4,700
Kentucky	1,950	1,700	1,850	1,930	1,690	1,840
Louisiana	1,340	890	1,050	1,190	860	1,020
Maryland	530	480	485	515	475	465
Michigan	2,330	1,760	2,200	2,310	1,720	2,190
Minnesota	7,750	6,850	7,400	7,650	6,770	7,330
Mississippi	2,230	1,660	2,090	2,190	1,630	2,060
Missouri	5,850	5,100	5,850	5,780	5,010	5,810
Nebraska	5,650	4,900	5,200	5,590	4,840	5,160
New Jersey	110	95	94	107	92	93
New York	335	235	315	325	225	312
North Carolina	1,650	1,540	1,600	1,570	1,520	1,570
North Dakota	6,900	5,600	5,750	6,840	5,400	5,700
Ohio	5,050	4,300	4,900	5,020	4,270	4,870
Oklahoma	640	465	560	600	440	540
Pennsylvania	640	620	640	630	610	630
South Carolina	390	335	310	330	315	300
South Dakota	5,650	3,500	4,950	5,580	3,440	4,920
Tennessee	1,700	1,400	1,650	1,670	1,370	1,620
Texas	175	80	120	135	73	110
Virginia	600	570	570	590	560	560
West Virginia ¹	29	(NA)	(NA)	27	(NA)	(NA)
Wisconsin	2,220	1,750	2,000	2,180	1,690	1,970
United States	89,167	76,100	83,084	87,594	74,939	82,318

See footnote(s) at end of table.

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Soybeans for Beans Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020 (continued)

State	Yield per acre			Production		
	2018 (bushels)	2019 (bushels)	2020 (bushels)	2018 (1,000 bushels)	2019 (1,000 bushels)	2020 (1,000 bushels)
Alabama	40.0	36.0	41.0	13,400	9,360	11,275
Arkansas	50.5	49.0	50.0	162,105	127,890	139,000
Delaware	41.5	47.0	49.0	6,972	7,191	7,252
Florida ¹	37.0	(NA)	(NA)	444	(NA)	(NA)
Georgia	39.5	29.0	41.0	5,135	2,494	3,895
Illinois	63.5	54.0	59.0	666,750	532,440	604,750
Indiana	57.5	51.0	58.0	342,700	273,360	329,440
Iowa	56.0	55.0	53.0	550,480	501,600	493,960
Kansas	43.0	41.5	40.5	201,670	186,335	190,350
Kentucky	51.0	46.0	55.0	98,430	77,740	101,200
Louisiana	51.5	48.0	53.0	61,285	41,280	54,060
Maryland	47.5	44.0	47.0	24,463	20,900	21,855
Michigan	47.5	40.5	47.0	109,725	69,660	102,930
Minnesota	49.0	44.0	49.0	374,850	297,880	359,170
Mississippi	54.0	50.0	54.0	118,260	81,500	111,240
Missouri	44.5	46.0	50.0	257,210	230,460	290,500
Nebraska	58.0	58.5	57.0	324,220	283,140	294,120
New Jersey	39.5	37.0	46.0	4,227	3,404	4,278
New York	52.0	48.0	51.0	16,900	10,800	15,912
North Carolina	33.0	35.0	37.0	51,810	53,200	58,090
North Dakota	35.0	31.5	33.5	239,400	170,100	190,950
Ohio	56.0	49.0	54.0	281,120	209,230	262,980
Oklahoma	28.0	29.0	30.0	16,800	12,760	16,200
Pennsylvania	44.5	49.0	46.0	28,035	29,890	28,980
South Carolina	29.0	26.0	35.0	9,570	8,190	10,500
South Dakota	45.0	42.5	45.5	251,100	146,200	223,860
Tennessee	45.5	47.0	50.0	75,985	64,390	81,000
Texas	31.5	28.0	34.0	4,253	2,044	3,740
Virginia	42.0	34.0	42.0	24,780	19,040	23,520
West Virginia ¹	53.0	(NA)	(NA)	1,431	(NA)	(NA)
Wisconsin	48.0	47.0	51.0	104,640	79,430	100,470
United States	50.6	47.4	50.2	4,428,150	3,551,908	4,135,477

(NA) Not available.

¹ Estimates discontinued in 2019.

Soybean Objective Yield Data

The National Agricultural Statistics Service conducted an objective yield survey in 11 soybean producing States during 2020. Randomly selected plots in soybean fields were visited monthly from September through harvest to obtain specific counts and measurements. Data in these tables are actual field counts from this survey.

Soybean Pods with Beans per 18 Square Feet – Selected States: 2016-2020

State and month	2016	2017	2018	2019	2020	State and month	2016	2017	2018	2019	2020
	(number)	(number)	(number)	(number)	(number)		(number)	(number)	(number)	(number)	(number)
Arkansas						Missouri					
September	1,884	1,992	1,841	1,759	1,630	September	1,881	2,041	1,777	1,719	1,977
October	1,805	1,898	1,795	1,731	1,527	October	2,006	2,172	1,899	1,754	2,093
November	1,820	2,039	1,943	1,717	1,459	November	2,123	2,253	1,948	1,898	2,036
Final	1,826	2,075	1,973	1,828	1,418	Final	2,164	2,239	1,961	1,921	2,041
Illinois						Nebraska					
September	1,969	1,917	2,132	1,696	2,019	September	1,947	1,653	1,736	1,669	1,943
October	2,109	1,886	2,225	1,683	2,127	October	2,036	1,795	2,071	1,777	2,002
November	2,193	1,947	2,249	1,601	2,170	November	2,074	1,853	2,174	1,722	1,980
Final	2,197	1,947	2,264	1,603	2,170	Final	2,074	1,853	2,174	1,722	1,980
Indiana						North Dakota					
September	1,683	1,795	1,880	1,496	2,056	September	1,395	1,406	1,418	1,147	1,242
October	1,775	1,772	2,001	1,501	1,994	October	1,444	1,430	1,485	1,246	1,439
November	1,873	1,774	2,054	1,569	1,963	November	1,442	1,465	1,515	1,253	1,442
Final	1,873	1,774	2,052	1,561	1,959	Final	1,470	1,451	1,514	1,195	1,442
Iowa						Ohio					
September	1,808	1,644	1,823	1,601	1,675	September	1,773	1,765	2,019	1,563	1,811
October	1,801	1,670	1,984	1,642	1,933	October	1,715	1,714	2,180	1,760	1,972
November	1,861	1,717	2,082	1,660	1,927	November	1,782	1,828	2,210	1,587	1,983
Final	1,890	1,735	2,097	1,682	1,927	Final	1,782	1,823	2,210	1,587	1,981
Kansas						South Dakota					
September	1,467	1,487	1,552	1,561	1,650	September	1,561	1,511	1,649	1,504	1,688
October	1,643	1,472	1,456	1,604	1,699	October	1,639	1,472	1,867	1,316	1,720
November	1,720	1,561	1,548	1,596	1,629	November	1,709	1,457	1,822	1,331	1,696
Final	1,737	1,561	1,558	1,583	1,629	Final	1,665	1,457	1,724	1,353	1,696
Minnesota						11-State					
September	1,614	1,359	1,605	1,465	1,607	September	1,741	1,678	1,786	1,561	1,780
October	1,625	1,407	1,616	1,474	1,782	October	1,800	1,692	1,895	1,593	1,882
November	1,658	1,480	1,569	1,458	1,751	November	1,862	1,751	1,938	1,582	1,866
Final	1,658	1,480	1,569	1,458	1,751	Final	1,870	1,752	1,938	1,586	1,865

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Soybean Frequency of Farmer Reported Row Widths – Selected States: 2016-2020

State and year	Row width (inches)				
	Less than 7.5 ¹	7.5	15	30	More than 30
	(number)	(number)	(number)	(number)	(number)
Arkansas2016	5	31	46	36	73
.....2017	9	25	42	39	79
.....2018	9	36	47	36	83
.....2019	-	14	13	21	25
.....2020	5	14	14	36	49
Illinois2016	1	15	105	57	1
.....2017	2	10	109	59	2
.....2018	3	11	118	58	-
.....2019	2	5	82	33	1
.....2020	-	11	91	44	-
Indiana2016	1	27	91	17	2
.....2017	3	28	101	12	-
.....2018	1	19	110	14	-
.....2019	-	5	57	9	1
.....2020	1	11	87	8	-
Iowa2016	1	6	73	100	2
.....2017	1	3	80	94	1
.....2018	1	11	77	88	3
.....2019	1	9	51	66	-
.....2020	1	8	63	85	3
Kansas2016	6	8	38	57	-
.....2017	10	14	32	43	2
.....2018	2	17	35	54	1
.....2019	-	10	23	16	-
.....2020	1	9	19	27	-
Minnesota2016	5	8	40	36	1
.....2017	1	9	38	42	-
.....2018	3	8	34	45	2
.....2019	3	5	26	28	1
.....2020	3	5	35	51	1
Missouri2016	-	14	71	19	5
.....2017	1	10	70	21	4
.....2018	1	15	65	31	4
.....2019	1	5	38	10	1
.....2020	-	13	63	20	11
Nebraska2016	-	10	36	46	3
.....2017	1	4	38	51	8
.....2018	3	7	35	49	8
.....2019	-	6	37	49	5
.....2020	-	8	39	58	1

See footnote(s) at end of table.

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Soybean Frequency of Farmer Reported Row Widths – Selected States: 2016-2020 (continued)

State and year	Row width (inches)				
	Less than 7.5 ¹	7.5	15	30	More than 30
	(number)	(number)	(number)	(number)	(number)
North Dakota 2016	8	17	55	15	-
2017	5	16	56	7	1
2018	4	31	49	12	-
2019	3	11	28	6	-
2020	7	27	48	11	-
Ohio 2016	3	41	84	7	-
2017	2	38	83	8	-
2018	4	31	98	1	-
2019	2	11	42	1	-
2020	3	30	82	5	-
South Dakota 2016	3	4	27	59	2
2017	1	4	27	63	1
2018	2	4	27	61	1
2019	4	-	18	30	-
2020	-	-	43	44	-

- Represents zero.

¹ Includes broadcast soybeans.

Soybean Percentage Distribution by Measured Row Width and Average Row Width – Selected States: 2016-2020

State and year	Samples	Row width (inches)					row width ¹	
		10.0 or less ¹	10.1-18.5	18.6-28.5	28.6-34.5	34.6 or greater		
	(number)	(percent)	(percent)	(percent)	(percent)	(percent)	(inches)	
Arkansas	2016	189	14.6	24.1	4.0	21.2	36.1	26.0
	2017	197	16.3	24.2	2.3	19.8	37.4	26.4
	2018	208	18.3	18.3	6.7	14.7	42.0	26.5
	2019	73	19.2	15.1	5.5	23.3	36.9	26.6
	2020	121	12.8	11.2	3.3	25.6	47.1	29.9
Illinois	2016	177	7.9	56.5	5.6	29.4	0.6	19.6
	2017	181	6.1	50.6	5.0	37.7	0.6	20.8
	2018	185	5.7	57.6	5.9	30.8	-	19.9
	2019	119	4.6	58.0	10.9	26.5	-	19.4
	2020	147	7.2	49.4	10.6	32.1	0.7	20.3
Indiana	2016	137	14.7	62.3	8.4	13.9	0.7	17.0
	2017	141	14.6	68.3	9.3	7.8	-	15.8
	2018	150	10.1	74.8	5.7	9.4	-	16.2
	2019	74	4.1	74.7	11.6	9.6	-	17.3
	2020	108	8.3	77.3	6.5	7.9	-	16.2
Iowa	2016	179	2.2	34.4	11.2	50.5	1.7	23.7
	2017	180	1.1	34.4	12.8	50.6	1.1	23.7
	2018	177	4.8	36.5	10.1	45.8	2.8	22.8
	2019	124	4.9	36.0	9.7	48.6	0.8	23.1
	2020	162	3.4	32.4	10.8	52.2	1.2	23.8
Kansas	2016	109	5.5	34.6	4.6	54.4	0.9	23.5
	2017	105	9.0	38.1	5.7	47.2	-	21.8
	2018	106	8.1	39.3	6.6	45.1	0.9	22.0
	2019	49	9.2	47.0	7.1	36.7	-	20.4
	2020	57	5.3	50.9	2.6	37.7	3.5	21.1
Minnesota	2016	84	11.3	28.0	23.8	36.9	-	21.6
	2017	88	7.4	23.3	18.8	50.5	-	23.5
	2018	85	10.0	28.8	14.7	46.5	-	22.6
	2019	59	11.9	18.6	26.3	41.5	1.7	23.0
	2020	93	7.5	19.9	15.6	54.8	2.2	24.5
Missouri	2016	104	3.8	70.7	2.4	16.8	6.3	18.9
	2017	106	9.4	63.7	5.7	19.3	1.9	18.3
	2018	113	12.8	52.7	8.0	23.0	3.5	19.2
	2019	51	7.8	68.7	7.8	15.7	-	17.8
	2020	110	13.6	50.5	10.0	19.5	6.4	19.3
Nebraska	2016	94	7.4	35.6	5.9	46.8	4.3	22.8
	2017	100	4.0	31.0	10.5	47.0	7.5	24.2
	2018	101	5.9	27.2	10.9	48.1	7.9	24.3
	2019	98	4.6	32.1	11.2	47.0	5.1	23.9
	2020	107	5.2	32.4	10.8	50.7	0.9	22.9

See footnote(s) at end of table.

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**Soybean Percentage Distribution by Measured Row Width and Average Row Width – Selected States:
2016-2020 (continued)**

State and year	Samples	Row width (inches)					row width ¹
		10.0 or less ¹	10.1-18.5	18.6-28.5	28.6-34.5	34.6 or greater	
	(number)	(percent)	(percent)	(percent)	(percent)	(percent)	(inches)
North Dakota2016	95	20.1	42.9	20.1	16.9	-	17.7
.....2017	84	17.3	55.3	17.9	8.3	1.2	16.2
.....2018	96	21.9	45.3	22.9	7.3	2.6	16.4
.....2019	48	17.7	49.0	22.9	10.4	-	17.1
.....2020	92	21.7	48.9	17.4	12.0	-	16.1
Ohio2016	137	32.1	60.3	1.8	5.8	-	13.7
.....2017	134	25.4	66.4	2.6	5.6	-	14.1
.....2018	134	20.9	76.5	2.6	-	-	13.7
.....2019	57	22.8	77.2	-	-	-	13.6
.....2020	121	25.6	67.0	3.3	4.1	-	14.1
South Dakota2016	96	1.6	23.0	17.3	53.4	4.7	25.1
.....2017	93	2.7	17.8	16.2	61.7	1.6	25.9
.....2018	94	4.3	15.4	17.6	62.2	0.5	25.7
.....2019	43	2.3	10.5	27.9	59.3	-	26.6
.....2020	88	-	24.6	27.4	46.3	1.7	24.2

- Represents zero.

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

Flaxseed Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

State	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Montana	39	99	105	37	89	102
North Dakota	165	275	200	158	195	194
South Dakota ¹	4	(NA)	(NA)	3	(NA)	(NA)
United States	208	374	305	198	284	296

State	Yield per acre			Production		
	2018	2019	2020	2018	2019	2020
	(bushels)	(bushels)	(bushels)	(1,000 bushels)	(1,000 bushels)	(1,000 bushels)
Montana	17.0	15.0	16.0	629	1,335	1,632
North Dakota	24.0	22.0	21.0	3,792	4,290	4,074
South Dakota ¹	15.0	(NA)	(NA)	45	(NA)	(NA)
United States	22.6	19.8	19.3	4,466	5,625	5,706

(NA) Not available.

¹ Estimates discontinued in 2019.

Safflower Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

State	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
California	60.0	57.0	21.0	59.5	56.5	20.7
Idaho	22.0	29.0	27.5	21.0	28.5	26.5
Montana	42.0	53.0	49.0	36.0	43.0	44.0
North Dakota ¹	10.0	(NA)	(NA)	9.4	(NA)	(NA)
South Dakota	18.5	13.8	15.5	17.4	10.8	13.5
Utah	15.0	13.0	23.0	13.0	12.7	22.0
United States	167.5	165.8	136.0	156.3	151.5	126.7

State	Yield per acre			Production		
	2018	2019	2020	2018	2019	2020
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
California	2,400	1,950	2,350	142,800	110,175	48,645
Idaho	830	940	880	17,430	26,790	23,320
Montana	990	840	930	35,640	36,120	40,920
North Dakota ¹	1,100	(NA)	(NA)	10,340	(NA)	(NA)
South Dakota	1,100	600	1,250	19,140	6,480	16,875
Utah	840	1,050	820	10,920	13,335	18,040
United States	1,512	1,273	1,167	236,270	192,900	147,800

(NA) Not available.

¹ Estimates discontinued in 2019.

Other Oilseed Area Planted and Harvested, Yield, and Production by Crop – United States: 2018-2020

Crop	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Rapeseed ¹	5.7	11.3	11.2	5.4	10.4	10.1
Mustard seed ²	102.5	98.0	97.0	97.8	90.0	91.4
State	Yield per acre			Production		
	2018	2019	2020	2018	2019	2020
	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Rapeseed ¹	1,524	2,160	1,971	8,230	22,464	19,910
Mustard seed ²	749	706	895	73,297	63,580	81,770

¹ For 2018, rapeseed program States include Idaho, Montana, North Carolina, North Dakota, Oregon, and Washington. For 2019 and 2020, rapeseed program States include Delaware, Idaho, Kentucky, North Carolina, Pennsylvania, South Carolina, Tennessee, and Virginia.

² For 2018, mustard seed program States include Idaho, Montana, North Dakota, Oregon, and Washington. For 2019 and 2020, mustard seed program States include Idaho, Montana, and North Dakota

Cotton Area Planted and Harvested, Yield, and Production by Type – States and United States: 2018-2020

Type and State	Area planted			Area harvested		
	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)
Upland						
Alabama	510.0	540.0	450.0	494.0	532.0	445.0
Arizona	160.0	160.0	125.0	159.0	158.0	123.0
Arkansas	485.0	620.0	525.0	480.0	610.0	520.0
California	48.0	54.0	34.0	47.0	53.0	33.0
Florida	117.0	112.0	98.0	93.0	110.0	96.0
Georgia	1,430.0	1,400.0	1,190.0	1,290.0	1,380.0	1,180.0
Kansas	165.0	175.0	195.0	151.0	151.0	186.0
Louisiana	195.0	280.0	170.0	189.0	270.0	165.0
Mississippi	620.0	710.0	530.0	615.0	700.0	525.0
Missouri	325.0	380.0	295.0	322.0	368.0	287.0
New Mexico	77.0	63.0	43.0	55.0	45.0	28.0
North Carolina	430.0	510.0	360.0	415.0	500.0	330.0
Oklahoma	780.0	640.0	525.0	510.0	460.0	450.0
South Carolina	300.0	300.0	190.0	270.0	295.0	185.0
Tennessee	360.0	410.0	280.0	355.0	405.0	275.0
Texas	7,750.0	7,050.0	6,800.0	4,200.0	5,250.0	3,600.0
Virginia	98.0	103.0	80.0	97.0	102.0	79.0
United States	13,850.0	13,507.0	11,890.0	9,742.0	11,389.0	8,507.0
American Pima						
Arizona	14.5	7.5	6.5	14.5	7.5	6.5
California	211.0	204.0	147.0	210.0	201.0	146.0
New Mexico	6.8	5.2	11.0	6.8	5.0	11.0
Texas	18.0	12.0	38.0	17.5	10.0	31.0
United States	250.3	228.7	202.5	248.8	223.5	194.5
All						
Alabama	510.0	540.0	450.0	494.0	532.0	445.0
Arizona	174.5	167.5	131.5	173.5	165.5	129.5
Arkansas	485.0	620.0	525.0	480.0	610.0	520.0
California	259.0	258.0	181.0	257.0	254.0	179.0
Florida	117.0	112.0	98.0	93.0	110.0	96.0
Georgia	1,430.0	1,400.0	1,190.0	1,290.0	1,380.0	1,180.0
Kansas	165.0	175.0	195.0	151.0	151.0	186.0
Louisiana	195.0	280.0	170.0	189.0	270.0	165.0
Mississippi	620.0	710.0	530.0	615.0	700.0	525.0
Missouri	325.0	380.0	295.0	322.0	368.0	287.0
New Mexico	83.8	68.2	54.0	61.8	50.0	39.0
North Carolina	430.0	510.0	360.0	415.0	500.0	330.0
Oklahoma	780.0	640.0	525.0	510.0	460.0	450.0
South Carolina	300.0	300.0	190.0	270.0	295.0	185.0
Tennessee	360.0	410.0	280.0	355.0	405.0	275.0
Texas	7,768.0	7,062.0	6,838.0	4,217.5	5,260.0	3,631.0
Virginia	98.0	103.0	80.0	97.0	102.0	79.0
United States	14,100.3	13,735.7	12,092.5	9,990.8	11,612.5	8,701.5

See footnote(s) at end of table.

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Cotton Area Planted and Harvested, Yield, and Production by Type – States and United States: 2018-2020 (continued)

Type and State	Yield per acre			Production ¹		
	2018 (pounds)	2019 (pounds)	2020 (pounds)	2018 (1,000 bales) ²	2019 (1,000 bales) ²	2020 (1,000 bales) ²
Upland						
Alabama	863	928	793	888.0	1,028.0	735.0
Arizona	1,319	1,154	1,268	437.0	380.0	325.0
Arkansas	1,133	1,185	1,200	1,133.0	1,506.0	1,300.0
California	1,910	1,576	1,905	187.0	174.0	131.0
Florida	532	895	625	103.0	205.0	125.0
Georgia	727	953	887	1,955.0	2,740.0	2,180.0
Kansas	1,084	890	826	341.0	280.0	320.0
Louisiana	1,067	1,035	1,018	420.0	582.0	350.0
Mississippi	1,141	1,112	1,097	1,462.0	1,621.0	1,200.0
Missouri	1,373	1,193	1,204	921.0	915.0	720.0
New Mexico	995	821	1,114	114.0	77.0	65.0
North Carolina	812	998	785	702.0	1,040.0	540.0
Oklahoma	642	688	683	682.0	659.0	640.0
South Carolina	747	809	778	420.0	497.0	300.0
Tennessee	1,041	1,138	1,065	770.0	960.0	610.0
Texas	783	578	627	6,850.0	6,320.0	4,700.0
Virginia	896	1,144	972	181.0	243.0	160.0
United States	865	810	813	17,566.0	19,227.0	14,401.0
American Pima						
Arizona	943	800	1,034	28.5	12.5	14.0
California	1,662	1,545	1,562	727.0	647.0	475.0
New Mexico	812	864	655	11.5	9.0	15.0
Texas	933	816	743	34.0	17.0	48.0
United States	1,545	1,472	1,362	801.0	685.5	552.0
All						
Alabama	863	928	793	888.0	1,028.0	735.0
Arizona	1,288	1,138	1,257	465.5	392.5	339.0
Arkansas	1,133	1,185	1,200	1,133.0	1,506.0	1,300.0
California	1,707	1,551	1,625	914.0	821.0	606.0
Florida	532	895	625	103.0	205.0	125.0
Georgia	727	953	887	1,955.0	2,740.0	2,180.0
Kansas	1,084	890	826	341.0	280.0	320.0
Louisiana	1,067	1,035	1,018	420.0	582.0	350.0
Mississippi	1,141	1,112	1,097	1,462.0	1,621.0	1,200.0
Missouri	1,373	1,193	1,204	921.0	915.0	720.0
New Mexico	975	826	985	125.5	86.0	80.0
North Carolina	812	998	785	702.0	1,040.0	540.0
Oklahoma	642	688	683	682.0	659.0	640.0
South Carolina	747	809	778	420.0	497.0	300.0
Tennessee	1,041	1,138	1,065	770.0	960.0	610.0
Texas	783	578	628	6,884.0	6,337.0	4,748.0
Virginia	896	1,144	972	181.0	243.0	160.0
United States	882	823	825	18,367.0	19,912.5	14,953.0

¹ Production ginned and to be ginned.

² 480-pound net weight bale.

Cottonseed Production – States and United States: 2018-2020

State	Production		
	2018 (1,000 tons)	2019 (1,000 tons)	2020 ¹ (1,000 tons)
Alabama	254.0	267.0	213.0
Arizona	156.0	136.0	115.0
Arkansas	366.0	472.0	418.0
California	342.0	290.0	222.0
Florida	27.0	57.0	35.0
Georgia	546.0	778.0	619.0
Kansas	106.0	85.0	98.0
Louisiana	135.0	192.0	113.0
Mississippi	451.0	503.0	375.0
Missouri	310.0	253.0	240.0
New Mexico	42.0	26.0	26.0
North Carolina	224.0	308.0	163.0
Oklahoma	197.0	191.0	187.0
South Carolina	117.0	116.0	89.0
Tennessee	219.0	301.0	186.0
Texas	2,088.0	1,902.0	1,443.0
Virginia	51.0	68.0	45.0
United States	5,631.0	5,945.0	4,587.0

¹ Estimates based on 3-year average lint-seed ratio.

Tobacco Area Harvested, Yield, and Production – States and United States: 2018-2020

State	Area harvested			Yield per acre		
	2018	2019	2020	2018	2019	2020
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)
Georgia	12,500	9,000	7,900	1,900	2,100	2,440
Kentucky	68,100	57,400	51,400	1,973	2,150	2,086
North Carolina	152,750	117,400	102,310	1,649	1,999	1,800
Pennsylvania	7,800	5,700	5,500	2,231	2,509	2,444
South Carolina	12,300	8,300	6,000	1,800	1,900	1,400
Tennessee	15,700	13,300	12,300	2,523	2,292	2,389
Virginia	22,280	16,020	12,650	1,977	1,898	2,178
United States	291,430	227,120	198,060	1,830	2,060	1,966

State	Production		
	2018	2019	2020
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Georgia	23,750	18,900	19,276
Kentucky	134,370	123,390	107,235
North Carolina	251,925	234,700	184,127
Pennsylvania	17,400	14,300	13,440
South Carolina	22,140	15,770	8,400
Tennessee	39,610	30,490	29,380
Virginia	44,046	30,406	27,555
United States	533,241	467,956	389,413

Tobacco Area Harvested, Yield, and Production by Class and Type – States and United States: 2018-2020

Class, type, and State	Area harvested		
	2018 (acres)	2019 (acres)	2020 (acres)
Class 1, Flue-cured (11-14)			
Georgia	12,500	9,000	7,900
North Carolina	152,000	117,000	102,000
South Carolina	12,300	8,300	6,000
Virginia	21,000	15,000	12,000
United States	197,800	149,300	127,900
Class 2, Fire-cured (21-23)			
Kentucky	11,000	9,500	8,300
Tennessee	7,600	6,300	5,800
Virginia	280	320	250
United States	18,880	16,120	14,350
Class 3A, Light air-cured			
Type 31, Burley			
Kentucky	50,000	41,000	37,000
North Carolina	750	400	310
Pennsylvania	4,000	2,500	2,800
Tennessee	5,300	4,000	2,800
Virginia	1,000	700	400
United States	61,050	48,600	43,310
Type 32, Southern Maryland			
Pennsylvania	1,400	1,000	400
United States	1,400	1,000	400
Total light air-cured (31-32)	62,450	49,600	43,710
Class 3B, Dark air-cured (35-37)			
Kentucky	7,100	6,900	6,100
Tennessee	2,800	3,000	3,700
United States	9,900	9,900	9,800
Class 4, Cigar filler			
Type 41, Pennsylvania Seedleaf			
Pennsylvania	2,400	2,200	2,300
United States	2,400	2,200	2,300
All Tobacco			
United States	291,430	227,120	198,060

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**Tobacco Area Harvested, Yield, and Production by Class and Type – States and United States:
2018-2020 (continued)**

Class, type, and State	Yield per acre			Production		
	2018 (pounds)	2019 (pounds)	2020 (pounds)	2018 (1,000 pounds)	2019 (1,000 pounds)	2020 (1,000 pounds)
Class 1, Flue-cured (11-14)						
Georgia	1,900	2,100	2,440	23,750	18,900	19,276
North Carolina	1,650	2,000	1,800	250,800	234,000	183,600
South Carolina	1,800	1,900	1,400	22,140	15,770	8,400
Virginia	2,000	1,900	2,200	42,000	28,500	26,400
United States	1,712	1,990	1,858	338,690	297,170	237,676
Class 2, Fire-cured (21-23)						
Kentucky	3,200	2,900	2,500	35,200	27,550	20,750
Tennessee	3,050	2,800	2,850	23,180	17,640	16,530
Virginia	1,950	1,800	1,900	546	576	475
United States	3,121	2,839	2,631	58,926	45,766	37,755
Class 3A, Light air-cured						
Type 31, Burley						
Kentucky	1,600	1,900	1,950	80,000	77,900	72,150
North Carolina	1,500	1,750	1,700	1,125	700	527
Pennsylvania	2,200	2,600	2,500	8,800	6,500	7,000
Tennessee	1,700	1,600	1,550	9,010	6,400	4,340
Virginia	1,500	1,900	1,700	1,500	1,330	680
United States	1,645	1,910	1,956	100,435	92,830	84,697
Type 32, Southern Maryland Belt						
Pennsylvania	2,200	2,300	2,300	3,080	2,300	920
United States	2,200	2,300	2,300	3,080	2,300	920
Total light air-cured (31-32)	1,658	1,918	1,959	103,515	95,130	85,617
Class 3B, Dark air-cured (35-37)						
Kentucky	2,700	2,600	2,350	19,170	17,940	14,335
Tennessee	2,650	2,150	2,300	7,420	6,450	8,510
United States	2,686	2,464	2,331	26,590	24,390	22,845
Class 4, Cigar filler						
Type 41, Pennsylvania Seedleaf						
Pennsylvania	2,300	2,500	2,400	5,520	5,500	5,520
United States	2,300	2,500	2,400	5,520	5,500	5,520
All tobacco						
United States	1,830	2,060	1,966	533,241	467,956	389,413

Sugarbeet Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

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

State	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
California ¹	24.6	24.5	24.0	24.6	24.4	23.9
Colorado	26.3	25.1	24.2	25.5	24.3	23.7
Idaho	163.0	171.0	172.0	163.0	165.0	169.0
Michigan	150.0	146.0	157.0	148.0	145.0	154.0
Minnesota	415.0	425.0	432.0	408.0	337.0	427.0
Montana	43.5	41.8	43.6	42.4	36.5	38.0
Nebraska	45.5	44.0	46.2	44.1	42.1	45.7
North Dakota	202.0	212.0	221.0	199.0	170.0	219.0
Oregon	9.3	10.0	9.4	9.3	9.8	9.4
Washington	1.8	2.0	1.8	1.8	2.0	1.8
Wyoming	32.1	31.6	31.0	30.7	24.0	30.8
United States	1,113.1	1,133.0	1,162.2	1,096.4	980.1	1,142.3

State	Yield per acre			Production		
	2018	2019	2020	2018	2019	2020
	(tons)	(tons)	(tons)	(1,000 tons)	(1,000 tons)	(1,000 tons)
California ¹	48.8	45.4	45.5	1,200	1,108	1,087
Colorado	32.6	30.7	31.3	831	746	742
Idaho	40.5	39.0	40.5	6,602	6,435	6,845
Michigan	29.1	28.6	28.3	4,307	4,147	4,358
Minnesota	25.7	25.0	26.1	10,486	8,425	11,145
Montana	31.1	31.6	31.3	1,319	1,153	1,189
Nebraska	31.9	25.4	31.0	1,407	1,069	1,417
North Dakota	28.8	26.0	24.9	5,731	4,420	5,453
Oregon	39.4	38.5	40.9	366	377	384
Washington	48.2	45.4	47.8	87	91	86
Wyoming	30.8	28.3	29.6	946	679	912
United States	30.4	29.2	29.4	33,282	28,650	33,618

¹ Relates to year of planting for overwintered beets in southern California.

Sugarcane Area Harvested, Yield, and Production – States and United States: 2018-2020

State	Area harvested			Yield per acre ¹		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(tons)	(tons)	(tons)
For sugar						
Florida	397.0	397.0	401.0	41.7	42.8	43.8
Louisiana	425.0	442.0	462.0	35.3	27.7	32.5
Texas	37.6	31.3	33.5	36.6	33.6	34.0
United States	859.6	870.3	896.5	38.3	34.8	37.6
For seed						
Florida	15.3	13.7	14.1	45.8	47.6	47.0
Louisiana	23.5	27.0	27.5	36.5	34.0	35.9
Texas	1.3	2.2	2.4	37.9	36.5	37.0
United States	40.1	42.9	44.0	40.1	38.5	39.5
For sugar and seed						
Florida	412.3	410.7	415.1	41.9	43.0	43.9
Louisiana	448.5	469.0	489.5	35.4	28.1	32.7
Texas	38.9	33.5	35.9	36.6	33.8	34.2
United States	899.7	913.2	940.5	38.4	35.0	37.7
State	Production ¹					
	2018	2019	2020			
	(1,000 tons)	(1,000 tons)	(1,000 tons)			
For sugar						
Florida	16,555	16,992	17,564			
Louisiana	15,003	12,243	15,015			
Texas	1,376	1,052	1,139			
United States	32,934	30,287	33,718			
For seed						
Florida	701	652	663			
Louisiana	858	918	987			
Texas	49	80	89			
United States	1,608	1,650	1,739			
For sugar and seed						
Florida	17,256	17,644	18,227			
Louisiana	15,861	13,161	16,002			
Texas	1,425	1,132	1,228			
United States	34,542	31,937	35,457			

¹ Net tons.

Potato Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

State	Area planted			Area harvested		
	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)
Alaska ¹	0.5	(NA)	(NA)	0.5	(NA)	(NA)
California	38.5	40.5	32.0	38.3	40.1	31.4
Colorado	55.3	51.3	54.0	55.0	51.0	53.8
San Luis Valley ²	51.8	48.6	(NA)	51.6	48.4	(NA)
All other areas ²	3.5	2.7	(NA)	3.4	2.6	(NA)
Florida	22.0	26.0	22.0	20.8	25.3	21.8
Idaho	315.0	310.0	300.0	315.0	308.0	299.5
Illinois ¹	7.7	(NA)	(NA)	7.6	(NA)	(NA)
Kansas ¹	3.3	(NA)	(NA)	3.3	(NA)	(NA)
Maine	49.0	52.0	51.0	48.5	51.5	50.5
Maryland ¹	2.2	(NA)	(NA)	2.0	(NA)	(NA)
Michigan	50.0	50.0	48.0	48.0	48.5	47.0
Minnesota	44.0	46.0	42.0	43.5	43.0	41.5
Missouri ¹	7.8	(NA)	(NA)	7.4	(NA)	(NA)
Montana ¹	11.1	(NA)	(NA)	11.1	(NA)	(NA)
Nebraska	19.5	20.5	19.0	19.3	20.2	18.8
New Jersey ¹	2.0	(NA)	(NA)	2.0	(NA)	(NA)
New York ¹	14.3	(NA)	(NA)	13.4	(NA)	(NA)
North Carolina ¹	13.0	(NA)	(NA)	12.2	(NA)	(NA)
North Dakota	74.5	73.0	72.0	73.0	58.0	70.5
Oregon	45.0	43.0	45.0	45.0	42.9	45.0
Texas	18.0	15.0	11.0	17.5	14.8	10.8
Virginia ¹	4.8	(NA)	(NA)	4.4	(NA)	(NA)
Washington	160.0	165.0	155.0	160.0	164.0	154.0
Wisconsin	69.0	71.0	70.0	67.0	70.0	69.5
United States	1,026.5	963.3	921.0	1,014.8	937.3	914.1

See footnote(s) at end of table.

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**Potato Area Planted and Harvested, Yield, and Production – States and United States:
2018-2020 (continued)**

State	Yield per acre			Production		
	2018 (cwt)	2019 (cwt)	2020 (cwt)	2018 (1,000 cwt)	2019 (1,000 cwt)	2020 (1,000 cwt)
Alaska ¹	280	(NA)	(NA)	140	(NA)	(NA)
California	404	420	400	15,457	16,842	12,560
Colorado	395	386	430	21,722	19,666	23,134
San Luis Valley ²	390	380	(NA)	20,124	18,392	(NA)
All other areas ²	470	490	(NA)	1,598	1,274	(NA)
Florida	265	275	250	5,512	6,958	5,450
Idaho	450	425	450	141,750	130,900	134,775
Illinois ¹	375	(NA)	(NA)	2,850	(NA)	(NA)
Kansas ¹	430	(NA)	(NA)	1,419	(NA)	(NA)
Maine	310	325	255	15,035	16,738	12,878
Maryland ¹	255	(NA)	(NA)	510	(NA)	(NA)
Michigan	380	420	380	18,240	20,370	17,860
Minnesota	430	415	425	18,705	17,845	17,638
Missouri ¹	225	(NA)	(NA)	1,665	(NA)	(NA)
Montana ¹	350	(NA)	(NA)	3,885	(NA)	(NA)
Nebraska	480	475	495	9,264	9,595	9,306
New Jersey ¹	265	(NA)	(NA)	530	(NA)	(NA)
New York ¹	290	(NA)	(NA)	3,886	(NA)	(NA)
North Carolina ¹	190	(NA)	(NA)	2,318	(NA)	(NA)
North Dakota	325	335	325	23,725	19,430	22,913
Oregon	600	590	600	27,000	25,311	27,000
Texas	425	480	405	7,438	7,104	4,374
Virginia ¹	235	(NA)	(NA)	1,034	(NA)	(NA)
Washington	630	640	640	100,800	104,960	98,560
Wisconsin	405	410	400	27,135	28,700	27,800
United States	443	453	453	450,020	424,419	414,248

(NA) Not available.

¹ Estimates discontinued in 2019.

² Estimates discontinued in 2020.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

[Beginning in 2019, chickpeas are excluded]

State	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
California	48.0	27.9	29.0	47.7	27.9	29.0
Colorado	42.0	37.0	58.0	30.5	33.2	52.0
Idaho	185.0	47.0	68.0	183.0	45.0	66.0
Michigan	195.0	185.0	260.0	193.0	180.0	258.0
Minnesota	185.0	210.3	275.0	178.0	196.7	263.0
Montana ²	395.0	(NA)	(NA)	386.0	(NA)	(NA)
Nebraska	140.2	120.1	165.0	131.2	96.8	159.0
North Dakota	635.0	616.5	815.0	615.0	551.5	785.0
Texas ²	20.3	(NA)	(NA)	18.3	(NA)	(NA)
Washington	218.0	26.0	41.0	217.0	25.9	40.0
Wyoming	31.0	21.0	29.0	28.5	17.3	24.5
United States	2,094.5	1,290.8	1,740.0	2,028.2	1,174.3	1,676.5

State	Yield per acre ¹			Production ¹		
	2018	2019	2020	2018	2019	2020
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
California	2,490	2,610	2,400	1,190	729	695
Colorado	2,120	1,840	2,060	647	610	1,069
Idaho	1,710	2,370	2,410	3,127	1,067	1,592
Michigan	2,400	2,040	2,340	4,635	3,663	6,033
Minnesota	2,360	2,040	2,100	4,200	4,017	5,525
Montana ²	1,350	(NA)	(NA)	5,214	(NA)	(NA)
Nebraska	2,480	1,940	2,270	3,254	1,879	3,607
North Dakota	1,760	1,400	1,630	10,806	7,713	12,794
Texas ²	1,150	(NA)	(NA)	210	(NA)	(NA)
Washington	1,780	2,660	2,800	3,857	688	1,120
Wyoming	2,120	2,250	2,160	605	390	528
United States	1,861	1,768	1,966	37,745	20,756	32,963

(NA) Not available.

¹ Clean basis.

² Estimates discontinued in 2019.

Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2018-2020

Class and State	Area planted			Area harvested		
	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)
Large lima						
California	10.2	7.3	9.5	10.1	7.3	9.5
Colorado	-	-	-	-	-	-
Idaho	(D)	(D)	(D)	(D)	(D)	(D)
Michigan	-	-	-	-	-	-
Minnesota	-	(D)	-	-	(D)	(D)
Montana ¹	-	(NA)	(NA)	-	(NA)	(NA)
Nebraska	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-
Texas ¹	-	(NA)	(NA)	-	(NA)	(NA)
Washington	(D)	(D)	(D)	(D)	(D)	(D)
Wyoming	-	-	-	-	-	-
Other States ²	0.7	1.7	1.4	0.7	1.7	1.4
United States	10.9	9.0	10.9	10.8	9.0	10.9
Baby lima						
California	10.0	8.4	5.7	9.9	8.4	5.7
Colorado	-	-	-	-	-	-
Idaho	(D)	(D)	(D)	(D)	(D)	(D)
Michigan	-	-	-	-	-	-
Minnesota	-	(D)	(D)	-	(D)	(D)
Montana ¹	-	(NA)	(NA)	-	(NA)	(NA)
Nebraska	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-
Texas ¹	-	(NA)	(NA)	-	(NA)	(NA)
Washington	(D)	(D)	2.7	(D)	(D)	2.7
Wyoming	-	-	-	-	-	-
Other States ²	1.1	1.9	0.7	1.1	1.9	0.7
United States	11.1	10.3	9.1	11.0	10.3	9.1
Navy						
California	-	-	(D)	-	-	(D)
Colorado	-	-	(D)	-	-	(D)
Idaho	1.2	1.3	1.0	1.1	1.2	0.9
Michigan	60.0	55.0	87.0	59.2	54.4	86.3
Minnesota	42.8	39.3	50.6	41.3	35.9	48.4
Montana ¹	-	(NA)	(NA)	-	(NA)	(NA)
Nebraska	(D)	(D)	-	(D)	(D)	-
North Dakota	81.0	75.0	92.0	79.0	71.0	85.2
Texas ¹	-	(NA)	(NA)	-	(NA)	(NA)
Washington	1.4	(D)	1.0	1.4	(D)	1.0
Wyoming	(D)	(D)	(D)	(D)	(D)	(D)
Other States ²	1.0	1.9	1.7	1.0	1.6	1.2
United States	187.4	172.5	233.3	183.0	164.1	223.0

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2018-2020 (continued)

Class and State	Yield per acre ³			Production ³		
	2018 (pounds)	2019 (pounds)	2020 (pounds)	2018 (1,000 cwt)	2019 (1,000 cwt)	2020 (1,000 cwt)
Large lima						
California	2,150	2,350	2,470	217	172	235
Colorado	(X)	(X)	(X)	-	-	-
Idaho	(D)	(D)	(D)	(D)	(D)	(D)
Michigan	(X)	(X)	(X)	-	-	-
Minnesota	(X)	(D)	(D)	-	(D)	(D)
Montana ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Nebraska	(X)	(X)	(X)	-	-	-
North Dakota	(X)	(X)	(X)	-	-	-
Texas ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Washington	(D)	(D)	(D)	(D)	(D)	(D)
Wyoming	(X)	(X)	(X)	-	-	-
Other States ²	2,429	1,647	2,357	17	28	33
United States	2,167	2,222	2,459	234	200	268
Baby lima						
California	2,560	2,930	2,490	253	246	142
Colorado	(X)	(X)	(X)	-	-	-
Idaho	(D)	(D)	(D)	(D)	(D)	(D)
Michigan	(X)	(X)	(X)	-	-	-
Minnesota	(X)	(D)	(D)	-	(D)	(D)
Montana ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Nebraska	(X)	(X)	(X)	-	-	-
North Dakota	(X)	(X)	(X)	-	-	-
Texas ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Washington	(D)	(D)	2,090	(D)	(D)	56
Wyoming	(X)	(X)	(X)	-	-	-
Other States ²	2,000	2,263	2,714	22	43	19
United States	2,500	2,806	2,385	275	289	217
Navy						
California	(X)	(X)	(D)	-	-	(D)
Colorado	(X)	(X)	(D)	-	-	(D)
Idaho	2,920	2,730	2,670	32	33	24
Michigan	2,600	2,150	2,390	1,539	1,170	2,063
Minnesota	2,290	1,950	2,050	946	700	992
Montana ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Nebraska	(D)	(D)	(X)	(D)	(D)	-
North Dakota	2,050	1,460	1,610	1,620	1,037	1,372
Texas ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Washington	2,290	(D)	3,150	32	(D)	32
Wyoming	(D)	(D)	(D)	(D)	(D)	(D)
Other States ²	2,200	2,625	1,833	22	42	22
United States	2,290	1,817	2,020	4,191	2,982	4,505

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2018-2020 (continued)

Class and State	Area planted			Area harvested		
	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)
Great northern						
California	-	-	-	-	-	-
Colorado	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	1.9	3.7	4.5	1.8	3.5	4.4
Michigan	(D)	(D)	(D)	(D)	(D)	(D)
Minnesota	(D)	(D)	(D)	(D)	(D)	(D)
Montana ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Nebraska	41.0	48.0	58.0	39.0	38.1	56.7
North Dakota	(D)	4.4	(D)	(D)	3.9	(D)
Texas ¹	-	(NA)	(NA)	-	(NA)	(NA)
Washington	(D)	0.7	1.1	(D)	0.7	1.0
Wyoming	(D)	1.3	(D)	(D)	1.2	(D)
Other States ²	8.1	4.4	16.4	7.7	4.1	15.6
United States	51.0	62.5	80.0	48.5	51.5	77.7
Small white						
California	-	-	-	-	-	-
Colorado	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	(D)	1.2	1.7	(D)	1.1	1.6
Michigan	(D)	(D)	(D)	(D)	(D)	(D)
Minnesota	(D)	(D)	(D)	(D)	(D)	(D)
Montana ¹	-	(NA)	(NA)	-	(NA)	(NA)
Nebraska	-	(D)	(D)	-	(D)	(D)
North Dakota	-	-	-	-	-	-
Texas ¹	-	(NA)	(NA)	-	(NA)	(NA)
Washington	1.2	(D)	(D)	1.2	(D)	(D)
Wyoming	-	-	-	-	-	-
Other States ²	5.9	4.3	4.4	5.8	4.3	4.3
United States	7.1	5.5	6.1	7.0	5.4	5.9

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2018-2020 (continued)

Class and State	Yield per acre ³			Production ³		
	2018 (pounds)	2019 (pounds)	2020 (pounds)	2018 (1,000 cwt)	2019 (1,000 cwt)	2020 (1,000 cwt)
Great northern						
California	(X)	(X)	(X)	-	-	-
Colorado	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	2,130	2,230	2,380	38	78	105
Michigan	(D)	(D)	(D)	(D)	(D)	(D)
Minnesota	(D)	(D)	(D)	(D)	(D)	(D)
Montana ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Nebraska	2,500	1,950	2,350	975	743	1,332
North Dakota	(D)	1,840	(D)	(D)	72	(D)
Texas ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Washington	(D)	2,860	2,620	(D)	20	26
Wyoming	(D)	2,180	(D)	(D)	26	(D)
Other States ²	2,273	2,146	2,013	175	88	314
United States	2,449	1,994	2,287	1,188	1,027	1,777
Small white						
California	(X)	(X)	(X)	-	-	-
Colorado	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	(D)	1,890	2,440	(D)	21	39
Michigan	(D)	(D)	(D)	(D)	(D)	(D)
Minnesota	(D)	(D)	(D)	(D)	(D)	(D)
Montana ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Nebraska	(X)	(D)	(D)	-	(D)	(D)
North Dakota	(X)	(X)	(X)	-	-	-
Texas ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Washington	1,900	(D)	(D)	23	(D)	(D)
Wyoming	(X)	(X)	(X)	-	-	-
Other States ²	2,276	2,140	2,605	132	92	112
United States	2,214	2,093	2,559	155	113	151

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2018-2020 (continued)

Class and State	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Pinto						
California	-	-	-	-	-	-
Colorado	27.0	25.5	39.5	19.5	23.5	35.0
Idaho	22.0	14.0	25.4	21.7	13.5	25.1
Michigan	(D)	3.5	2.8	(D)	3.3	2.8
Minnesota	8.8	11.4	22.0	8.4	10.8	21.0
Montana ¹	3.0	(NA)	(NA)	2.6	(NA)	(NA)
Nebraska	65.0	51.0	78.2	59.5	43.1	75.4
North Dakota	320.0	368.0	561.0	313.0	328.0	545.0
Texas ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Washington	8.4	7.4	13.0	8.3	7.3	12.8
Wyoming	23.0	15.0	21.0	21.0	12.5	19.3
Other States ²	3.1	-	-	3.1	-	-
United States	480.3	495.8	762.9	457.1	442.0	736.4
Light red kidney						
California	(D)	(D)	(D)	(D)	(D)	(D)
Colorado	5.1	5.6	8.6	3.4	4.5	8.0
Idaho	1.0	2.0	2.4	1.0	1.9	2.3
Michigan	6.1	7.0	7.5	6.1	5.9	7.5
Minnesota	14.6	20.1	24.9	14.0	18.9	23.8
Montana ¹	-	(NA)	(NA)	-	(NA)	(NA)
Nebraska	10.1	11.0	13.2	9.7	6.6	11.3
North Dakota	(D)	(D)	(D)	(D)	(D)	(D)
Texas ¹	-	(NA)	(NA)	-	(NA)	(NA)
Washington	(D)	(D)	2.9	(D)	(D)	2.8
Wyoming	-	-	(D)	-	-	(D)
Other States ²	1.5	3.6	1.2	1.5	2.7	1.2
United States	38.4	49.3	60.7	35.7	40.5	56.9
Dark red kidney						
California	(D)	(D)	(D)	(D)	(D)	(D)
Colorado	(D)	-	(D)	(D)	-	(D)
Idaho	3.0	3.4	4.4	2.9	3.3	4.3
Michigan	2.7	3.0	3.0	2.7	2.7	2.9
Minnesota	58.5	65.8	84.5	56.3	60.8	80.7
Montana ¹	-	(NA)	(NA)	-	(NA)	(NA)
Nebraska	(D)	(D)	(D)	(D)	(D)	(D)
North Dakota	1.5	(D)	(D)	1.4	(D)	(D)
Texas ¹	-	(NA)	(NA)	-	(NA)	(NA)
Washington	1.9	(D)	1.8	1.9	(D)	1.8
Wyoming	(D)	-	-	(D)	-	-
Other States ²	2.0	6.5	9.2	1.3	4.3	8.6
United States	69.6	78.7	102.9	66.5	71.1	98.3

See footnote(s) at end of table.

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Dry Edible Bean Area Planted, Harvested, Yield, and Production by Commercial Class – States and United States: 2018-2020 (continued)

Class and State	Yield per acre ³			Production ³		
	2018 (pounds)	2019 (pounds)	2020 (pounds)	2018 (1,000 cwt)	2019 (1,000 cwt)	2020 (1,000 cwt)
Pinto						
California	(X)	(X)	(X)	-	-	-
Colorado	2,040	1,590	2,030	398	374	711
Idaho	2,630	2,490	2,560	571	336	643
Michigan	(D)	1,640	2,250	(D)	54	63
Minnesota	1,980	1,920	1,490	166	207	313
Montana ¹	2,400	(NA)	(NA)	62	(NA)	(NA)
Nebraska	2,500	1,960	2,360	1,488	845	1,779
North Dakota	1,710	1,370	1,670	5,352	4,494	9,102
Texas ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Washington	2,500	2,800	3,060	208	204	392
Wyoming	2,290	2,310	2,130	481	289	411
Other States ²	1,677	(D)	(X)	52	(D)	-
United States	1,920	1,539	1,822	8,778	6,803	13,414
Light red kidney						
California	(D)	(D)	(D)	(D)	(D)	(D)
Colorado	2,720	2,830	2,410	92	127	193
Idaho	2,570	2,250	2,220	26	43	51
Michigan	1,620	1,650	1,960	99	97	147
Minnesota	2,660	2,300	2,560	372	435	609
Montana ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Nebraska	2,760	2,090	1,880	268	138	212
North Dakota	(D)	(D)	(D)	(D)	(D)	(D)
Texas ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Washington	(D)	(D)	2,780	(D)	(D)	78
Wyoming	(X)	(X)	(D)	-	-	(D)
Other States ²	2,667	2,593	1,417	40	70	17
United States	2,513	2,247	2,297	897	910	1,307
Dark red kidney						
California	(D)	(D)	(D)	(D)	(D)	(D)
Colorado	(D)	(X)	(D)	(D)	-	(D)
Idaho	2,390	2,170	2,420	69	72	104
Michigan	1,420	1,050	1,160	38	28	34
Minnesota	2,530	2,100	2,200	1,424	1,277	1,775
Montana ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Nebraska	(D)	(D)	(D)	(D)	(D)	(D)
North Dakota	1,690	(D)	(D)	24	(D)	(D)
Texas ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Washington	1,730	(D)	2,830	33	(D)	51
Wyoming	(D)	(X)	(X)	(D)	-	-
Other States ²	2,846	1,558	1,221	37	67	105
United States	2,444	2,031	2,105	1,625	1,444	2,069

See footnote(s) at end of table.

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Dry Edible Bean Area Planted, Harvested, Yield, and Production by Commercial Class – States and United States: 2018-2020 (continued)

Class and State	Area planted			Area harvested		
	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)
Pink						
California	(D)	(D)	-	(D)	(D)	-
Colorado	-	-	(D)	-	-	(D)
Idaho	7.5	5.1	6.0	7.3	4.9	5.9
Michigan	(D)	-	-	(D)	-	-
Minnesota	(D)	(D)	(D)	(D)	(D)	(D)
Montana ¹	-	(NA)	(NA)	-	(NA)	(NA)
Nebraska	-	-	-	-	-	-
North Dakota	6.9	8.2	5.4	6.4	7.8	5.4
Texas ¹	-	(NA)	(NA)	-	(NA)	(NA)
Washington	-	(D)	(D)	-	(D)	(D)
Wyoming	-	-	-	-	-	-
Other States ²	5.6	5.3	5.2	5.4	5.1	5.0
United States	20.0	18.6	16.6	19.1	17.8	16.3
Small red						
California	-	-	-	-	-	-
Colorado	0.9	-	(D)	0.4	-	(D)
Idaho	3.3	3.5	5.5	3.2	3.3	5.3
Michigan	13.3	11.0	21.0	13.1	10.8	20.8
Minnesota	(D)	(D)	(D)	(D)	(D)	(D)
Montana ¹	-	(NA)	(NA)	-	(NA)	(NA)
Nebraska	(D)	-	(D)	(D)	-	(D)
North Dakota	9.0	11.8	13.5	8.5	8.7	13.2
Texas ¹	-	(NA)	(NA)	-	(NA)	(NA)
Washington	3.8	2.7	4.7	3.8	2.7	4.6
Wyoming	(D)	(D)	(D)	(D)	-	(D)
Other States ²	2.4	2.2	2.9	2.2	2.0	2.8
United States	32.7	31.2	47.6	31.2	27.5	46.7
Cranberry						
California	0.6	0.3	(D)	0.6	0.3	(D)
Colorado	-	(D)	-	-	(D)	-
Idaho	1.2	1.3	(D)	1.1	1.2	(D)
Michigan	3.9	2.7	2.4	3.9	2.5	2.4
Minnesota	(D)	(D)	(D)	(D)	(D)	(D)
Montana ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Nebraska	(D)	-	(D)	(D)	-	(D)
North Dakota	2.8	(D)	1.0	2.7	(D)	0.9
Texas ¹	-	(NA)	(NA)	-	(NA)	(NA)
Washington	(D)	1.5	1.8	(D)	1.5	1.7
Wyoming	-	-	-	-	-	-
Other States ²	5.8	4.8	2.2	5.6	3.2	2.1
United States	14.3	10.6	7.4	13.9	8.7	7.1

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2018-2020 (continued)

Class and State	Yield per acre ³			Production ³		
	2018 (pounds)	2019 (pounds)	2020 (pounds)	2018 (1,000 cwt)	2019 (1,000 cwt)	2020 (1,000 cwt)
Pink						
California	(D)	(D)	(X)	(D)	(D)	-
Colorado	(X)	(X)	(D)	-	-	(D)
Idaho	2,490	2,380	2,650	182	117	156
Michigan	(D)	(X)	(X)	(D)	-	-
Minnesota	(D)	(D)	(D)	(D)	(D)	(D)
Montana ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Nebraska	(X)	(X)	(X)	-	-	-
North Dakota	1,790	1,150	1,210	115	90	65
Texas ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Washington	(X)	(D)	(D)	-	(D)	(D)
Wyoming	(X)	(X)	(X)	-	-	-
Other States ²	1,870	1,588	1,900	101	81	95
United States	2,084	1,618	1,939	398	288	316
Small red						
California	(X)	(X)	(X)	-	-	-
Colorado	1,680	(X)	(D)	7	-	(D)
Idaho	2,320	2,190	1,970	74	72	104
Michigan	2,500	2,160	2,350	328	233	489
Minnesota	(D)	(D)	(D)	(D)	(D)	(D)
Montana ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Nebraska	(D)	(X)	(D)	(D)	-	(D)
North Dakota	2,000	1,760	1,630	170	153	215
Texas ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Washington	2,250	2,520	2,720	86	68	125
Wyoming	(D)	-	(D)	(D)	(D)	(D)
Other States ²	1,636	2,400	1,214	36	48	34
United States	2,247	2,087	2,071	701	574	967
Cranberry						
California	2,960	2,300	(D)	18	7	(D)
Colorado	(X)	(D)	(X)	-	(D)	-
Idaho	2,250	2,260	(D)	25	27	(D)
Michigan	1,560	1,640	1,840	61	41	44
Minnesota	(D)	(D)	(D)	(D)	(D)	(D)
Montana ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Nebraska	(D)	(X)	(D)	(D)	-	(D)
North Dakota	1,350	(D)	1,170	36	(D)	11
Texas ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Washington	(D)	2,600	2,140	(D)	39	36
Wyoming	(X)	(X)	(X)	-	-	-
Other States ²	1,857	1,375	1,810	104	44	38
United States	1,755	1,816	1,817	244	158	129

See footnote(s) at end of table.

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Dry Edible Bean Area Planted, Harvested, Yield, and Production by Commercial Class – States and United States: 2018-2020 (continued)

Class and State	Area planted			Area harvested		
	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)
Black						
California	(D)	(D)	(D)	(D)	(D)	(D)
Colorado	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	3.5	5.4	5.3	3.4	5.2	4.8
Michigan	100.0	95.0	128.0	99.0	93.0	127.0
Minnesota	42.1	55.1	71.1	40.5	53.2	68.0
Montana ¹	-	(NA)	(NA)	-	(NA)	(NA)
Nebraska	3.5	(D)	4.6	3.4	(D)	4.6
North Dakota	93.0	130.0	125.0	90.0	121.0	119.0
Texas ¹	-	(NA)	(NA)	-	(NA)	(NA)
Washington	3.9	4.9	(D)	3.8	4.9	(D)
Wyoming	(D)	(D)	1.5	(D)	(D)	1.1
Other States ²	3.1	6.2	7.3	2.7	4.6	6.9
United States	249.1	296.6	342.8	242.8	281.9	331.4
Blackeye						
California	6.7	6.2	8.0	6.7	6.2	8.0
Colorado	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	(D)	(D)	(D)	(D)	(D)	(D)
Michigan	-	-	-	-	-	-
Minnesota	-	(D)	-	-	(D)	(D)
Montana ¹	-	(NA)	(NA)	-	(NA)	(NA)
Nebraska	(D)	(D)	(D)	(D)	(D)	(D)
North Dakota	(D)	(D)	(D)	(D)	(D)	-
Texas ¹	16.0	(NA)	(NA)	14.0	(NA)	(NA)
Washington	(D)	(D)	(D)	(D)	(D)	(D)
Wyoming	-	-	(D)	-	-	(D)
Other States ²	9.9	7.6	11.3	9.2	7.3	10.9
United States	32.6	13.8	19.3	29.9	13.5	18.9

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2018-2020 (continued)

Class and State	Yield per acre ³			Production ³		
	2018 (pounds)	2019 (pounds)	2020 (pounds)	2018 (1,000 cwt)	2019 (1,000 cwt)	2020 (1,000 cwt)
Black						
California	(D)	(D)	(D)	(D)	(D)	(D)
Colorado	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	2,540	2,810	2,370	86	146	114
Michigan	2,440	2,080	2,390	2,416	1,934	3,035
Minnesota	2,310	1,970	2,100	936	1,048	1,428
Montana ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Nebraska	2,860	(D)	2,280	97	(D)	105
North Dakota	1,660	1,410	1,510	1,494	1,706	1,797
Texas ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Washington	2,900	2,890	(D)	110	142	(D)
Wyoming	(D)	(D)	2,360	(D)	(D)	26
Other States ²	2,704	1,891	2,725	73	87	188
United States	2,147	1,796	2,020	5,212	5,063	6,693
Blackeye						
California	2,460	2,630	2,340	165	163	187
Colorado	(D)	(D)	(D)	(D)	(D)	(D)
Idaho	(D)	(D)	(D)	(D)	(D)	(D)
Michigan	(X)	(X)	(X)	-	-	-
Minnesota	(X)	(D)	(D)	-	(D)	(D)
Montana ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Nebraska	(D)	(D)	(D)	(D)	(D)	(D)
North Dakota	(D)	(D)	(X)	(D)	(D)	-
Texas ¹	1,100	(NA)	(NA)	154	(NA)	(NA)
Washington	(D)	(D)	(D)	(D)	(D)	(D)
Wyoming	(X)	(X)	(D)	-	-	(D)
Other States ²	2,272	1,438	1,532	209	105	167
United States	1,766	1,985	1,873	528	268	354

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2018-2020 (continued)

Class and State	Area planted			Area harvested		
	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)
Small chickpeas ⁴						
California	(D)	(D)	(D)	(D)	(D)	(D)
Colorado ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Idaho	62.0	20.0	6.6	61.7	18.8	6.6
Michigan ¹	-	(NA)	(NA)	-	(NA)	(NA)
Minnesota ¹	-	(NA)	(NA)	-	(NA)	(NA)
Montana	(D)	51.0	21.7	(D)	46.0	21.4
Nebraska ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
North Dakota	18.4	(D)	(D)	17.8	(D)	(D)
Texas ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Washington	70.0	25.0	14.9	69.8	22.5	14.9
Wyoming ¹	-	(NA)	(NA)	-	(NA)	(NA)
Other States ²	75.3	9.0	5.2	73.3	4.0	5.0
United States	225.7	105.0	48.4	222.6	91.3	47.9
Large chickpeas ⁵						
California	(D)	(D)	(D)	(D)	(D)	(D)
Colorado ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Idaho	72.0	68.0	54.5	71.5	67.5	54.2
Michigan ¹	-	(NA)	(NA)	-	(NA)	(NA)
Minnesota ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Montana	(D)	148.0	94.6	(D)	129.0	88.9
Nebraska ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
North Dakota	96.0	(D)	(D)	90.0	(D)	(D)
Texas ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Washington	120.0	87.0	56.8	119.5	85.5	56.8
Wyoming ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Other States ²	349.5	45.4	15.5	342.9	31.2	15.1
United States	637.5	348.4	221.4	623.9	313.2	215.0
All chickpeas						
California	15.1	13.4	8.3	15.0	13.2	8.1
Colorado ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Idaho	134.0	88.0	61.1	133.2	86.3	60.8
Michigan ¹	-	(NA)	(NA)	-	(NA)	(NA)
Minnesota ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Montana	390.0	199.0	116.3	382.0	175.0	110.3
Nebraska ¹	12.7	(NA)	(NA)	12.2	(NA)	(NA)
North Dakota	114.4	41.0	12.4	107.8	22.0	12.0
Texas ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Washington	190.0	112.0	71.7	189.3	108.0	71.7
Wyoming ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Other States ²	7.0	-	-	7.0	-	-
United States	863.2	453.4	269.8	846.5	404.5	262.9

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2018-2020 (continued)

Class and State	Yield per acre ³			Production ³		
	2018 (pounds)	2019 (pounds)	2020 (pounds)	2018 (1,000 cwt)	2019 (1,000 cwt)	2020 (1,000 cwt)
Small chickpeas ⁴						
California	(D)	(D)	(D)	(D)	(D)	(D)
Colorado ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Idaho	1,550	1,360	1,870	956	256	123
Michigan ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Minnesota ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Montana	(D)	1,370	1,430	(D)	630	306
Nebraska ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
North Dakota	1,850	(D)	(D)	329	(D)	(D)
Texas ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Washington	1,730	1,850	1,880	1,208	416	280
Wyoming ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Other States ²	1,164	2,225	2,120	853	89	106
United States	1,503	1,524	1,701	3,346	1,391	815
Large chickpeas ⁵						
California	(D)	(D)	(D)	(D)	(D)	(D)
Colorado ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Idaho	1,280	1,460	1,470	915	986	797
Michigan ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Minnesota ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Montana	(D)	1,410	1,480	(D)	1,819	1,316
Nebraska ¹	(D)	-	(NA)	(D)	-	(NA)
North Dakota	1,720	(D)	(D)	1,548	(D)	(D)
Texas ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Washington	1,650	1,660	1,750	1,972	1,419	994
Wyoming ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Other States ²	1,460	2,054	2,325	5,006	641	351
United States	1,513	1,553	1,608	9,441	4,865	3,458
All chickpeas						
California	2,770	2,690	2,700	415	355	219
Colorado ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Idaho	1,400	1,440	1,510	1,871	1,242	920
Michigan ¹	(X)	(NA)	(NA)	-	(NA)	(NA)
Minnesota ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Montana	1,350	1,400	1,470	5,138	2,449	1,622
Nebraska ¹	1,950	-	(NA)	238	-	(NA)
North Dakota	1,740	1,700	1,980	1,877	375	238
Texas ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Washington	1,680	1,700	1,780	3,180	1,835	1,274
Wyoming ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Other States ²	971	-	(X)	68	-	-
United States	1,511	1,547	1,625	12,787	6,256	4,273

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2018-2020 (continued)

Class and State	Area planted			Area harvested		
	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)	2018 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)
Other						
California	3.8	4.3	3.5	3.8	4.3	3.5
Colorado	2.8	2.2	4.0	2.1	2.2	3.8
Idaho	(D)	5.0	10.1	(D)	4.8	9.8
Michigan	5.2	5.8	5.5	5.2	5.5	5.5
Minnesota	(D)	(D)	(D)	(D)	(D)	(D)
Montana ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Nebraska	(D)	(D)	(D)	(D)	(D)	(D)
North Dakota	(D)	9.6	(D)	(D)	5.5	(D)
Texas ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Washington	1.9	1.6	3.8	1.8	1.6	3.6
Wyoming	(D)	(D)	(D)	(D)	(D)	(D)
Other States ²	13.1	7.9	13.5	12.3	7.1	11.7
United States	26.8	36.4	40.4	25.2	31.0	37.9

See footnote(s) at end of table.

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Dry Edible Bean Area Planted and Harvested, Yield, and Production by Commercial Class – States and United States: 2018-2020 (continued)

Class and State	Yield per acre ³			Production ³		
	2018 (pounds)	2019 (pounds)	2020 (pounds)	2018 (1,000 cwt)	2019 (1,000 cwt)	2020 (1,000 cwt)
Other						
California	2,170	2,570	2,410	82	111	84
Colorado	2,800	2,620	2,280	59	58	87
Idaho	(D)	1,990	2,150	(D)	96	211
Michigan	1,600	1,340	1,870	83	74	103
Minnesota	(D)	(D)	(D)	(D)	(D)	(D)
Montana ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Nebraska	(D)	(D)	(D)	(D)	(D)	(D)
North Dakota	(D)	1,570	(D)	(D)	86	(D)
Texas ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Washington	2,620	2,690	2,670	47	43	96
Wyoming	(D)	(D)	(D)	(D)	(D)	(D)
Other States ²	2,122	2,380	1,838	261	169	215
United States	2,111	2,055	2,100	532	637	796

- Represents zero.

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

(NA) Not available.

(X) Not applicable.

¹ Estimates discontinued in 2019.

² Includes data withheld above.

³ Clean basis.

⁴ Chickpeas 20/64 inches or smaller.

⁵ Chickpeas larger than 20/64 inches.

Lentil Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

State	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Idaho	35.0	34.0	29.0	34.0	33.0	28.0
Montana	500.0	295.0	370.0	450.0	260.0	360.0
North Dakota	185.0	95.0	83.0	175.0	71.0	81.0
Washington	60.0	62.0	46.0	59.0	61.0	45.0
United States	780.0	486.0	528.0	718.0	425.0	514.0

State	Yield per acre			Production		
	2018	2019	2020	2018	2019	2020
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Idaho	1,300	1,100	1,300	442	363	364
Montana	1,080	1,290	1,480	4,860	3,354	5,328
North Dakota	1,370	1,300	1,400	2,398	923	1,134
Washington	1,200	1,100	1,300	708	671	585
United States	1,171	1,250	1,442	8,408	5,311	7,411

Wrinkled Seed Pea Production – States and United States: 2018-2020

[Beginning in 2019, wrinkled seed pea production is included in dry edible peas]

State	Production		
	2018	2019	2020
	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Idaho	116	(NA)	(NA)
Washington	273	(NA)	(NA)
United States	389	(NA)	(NA)

(NA) Not available.

Chickpea Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

Size and State	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Small ¹						
California	(D)	(D)	(D)	(D)	(D)	(D)
Colorado ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Idaho	62.0	20.0	6.6	61.7	18.8	6.6
Michigan ⁵	-	(NA)	(NA)	-	(NA)	(NA)
Minnesota ⁵	-	(NA)	(NA)	-	(NA)	(NA)
Montana	(D)	51.0	21.7	(D)	46.0	21.4
Nebraska ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
North Dakota	18.4	(D)	(D)	17.8	(D)	(D)
Texas ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Washington	70.0	25.0	14.9	69.8	22.5	14.9
Wyoming ⁵	-	(NA)	(NA)	-	(NA)	(NA)
Other States ⁴	75.3	9.0	5.2	73.3	4.0	5.0
United States	225.7	105.0	48.4	222.6	91.3	47.9
Large ²						
California	(D)	(D)	(D)	(D)	(D)	(D)
Colorado ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Idaho	72.0	68.0	54.5	71.5	67.5	54.2
Michigan ⁵	-	(NA)	(NA)	-	(NA)	(NA)
Minnesota ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Montana	(D)	148.0	94.6	(D)	129.0	88.9
Nebraska ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
North Dakota	96.0	(D)	(D)	90.0	(D)	(D)
Texas ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Washington	120.0	87.0	56.8	119.5	85.5	56.8
Wyoming ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Other States ⁴	349.5	45.4	15.5	342.9	31.2	15.1
United States	637.5	348.4	221.4	623.9	313.2	215.0
All						
California	15.1	13.4	8.3	15.0	13.2	8.1
Colorado ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Idaho	134.0	88.0	61.1	133.2	86.3	60.8
Michigan ⁵	-	(NA)	(NA)	-	(NA)	(NA)
Minnesota ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Montana	390.0	199.0	116.3	382.0	175.0	110.3
Nebraska ⁵	12.7	(NA)	(NA)	12.2	(NA)	(NA)
North Dakota	114.4	41.0	12.4	107.8	22.0	12.0
Texas ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Washington	190.0	112.0	71.7	189.3	108.0	71.7
Wyoming ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Other States ⁴	7.0	-	-	7.0	-	-
United States	863.2	453.4	269.8	846.5	404.5	262.9

See footnote(s) at end of table.

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**Chickpea Area Planted and Harvested, Yield, and Production – States and United States:
2018-2020 (continued)**

Size and State	Yield per acre ³			Production ³		
	2018 (pounds)	2019 (pounds)	2020 (pounds)	2018 (1,000 cwt)	2019 (1,000 cwt)	2020 (1,000 cwt)
Small ¹						
California	(D)	(D)	(D)	(D)	(D)	(D)
Colorado ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Idaho	1,550	1,360	1,870	956	256	123
Michigan ⁵	(X)	(NA)	(NA)	-	(NA)	(NA)
Minnesota ⁵	(X)	(NA)	(NA)	-	(NA)	(NA)
Montana	(D)	1,370	1,430	(D)	630	306
Nebraska ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
North Dakota	1,850	(D)	(D)	329	(D)	(D)
Texas ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Washington	1,730	1,850	1,880	1,208	416	280
Wyoming ⁵	(X)	(NA)	(NA)	-	(NA)	(NA)
Other States ⁴	1,164	2,225	2,120	853	89	106
United States	1,503	1,524	1,701	3,346	1,391	815
Large ²						
California	(D)	(D)	(D)	(D)	(D)	(D)
Colorado ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Idaho	1,280	1,460	1,470	915	986	797
Michigan ⁵	(X)	(NA)	(NA)	-	(NA)	(NA)
Minnesota ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Montana	(D)	1,410	1,480	(D)	1,819	1,316
Nebraska ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
North Dakota	1,720	(D)	(D)	1,548	(D)	(D)
Texas ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Washington	1,650	1,660	1,750	1,972	1,419	994
Wyoming ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Other States ⁴	1,460	2,054	2,325	5,006	641	351
United States	1,513	1,553	1,608	9,441	4,865	3,458
All						
California	2,770	2,690	2,700	415	355	219
Colorado ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Idaho	1,400	1,440	1,510	1,871	1,242	920
Michigan ⁵	(X)	(NA)	(NA)	-	(NA)	(NA)
Minnesota ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Montana	1,350	1,400	1,470	5,138	2,449	1,622
Nebraska ⁵	1,950	(NA)	(NA)	238	(NA)	(NA)
North Dakota	1,740	1,700	1,980	1,877	375	238
Texas ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Washington	1,680	1,700	1,780	3,180	1,835	1,274
Wyoming ⁵	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Other States ⁴	971	(X)	(X)	68	-	-
United States	1,511	1,547	1,625	12,787	6,256	4,273

- Represents zero.

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

(NA) Not available.

(X) Not applicable.

¹ Chickpeas 20/64 inches or smaller.

² Chickpeas larger than 20/64 inches.

³ Clean basis.

⁴ Includes data withheld above.

⁵ Estimates discontinued in 2019.

Dry Edible Pea Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

[Beginning in 2019, wrinkled seed peas and Austrian winter peas included]

State	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Idaho	8.0	28.0	35.0	7.6	27.0	34.0
Montana	335.0	530.0	490.0	310.0	500.0	475.0
Nebraska	58.0	31.0	36.0	49.0	28.0	33.0
North Dakota	375.0	425.0	330.0	365.0	405.0	325.0
Oregon ¹	6.5	(NA)	(NA)	6.3	(NA)	(NA)
South Dakota	22.0	16.0	29.0	19.0	15.0	28.0
Washington	52.0	72.0	79.0	51.0	71.0	78.0
United States	856.5	1,102.0	999.0	807.9	1,046.0	973.0

State	Yield per acre			Production		
	2018	2019	2020	2018	2019	2020
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Idaho	2,300	1,900	2,500	175	513	850
Montana	1,620	2,030	2,070	5,022	10,150	9,833
Nebraska	1,840	2,300	1,400	902	644	462
North Dakota	2,200	2,260	2,400	8,030	9,153	7,800
Oregon ¹	2,000	(NA)	(NA)	126	(NA)	(NA)
South Dakota	2,100	2,200	1,600	399	330	448
Washington	2,500	2,000	3,000	1,275	1,420	2,340
United States	1,972	2,123	2,234	15,929	22,210	21,733

(NA) Not available.

¹ Estimates discontinued in 2019.

Austrian Winter Pea Area Planted and Harvested, Yield, and Production – States and United States: 2018-2020

[Beginning in 2019, Austrian winter peas are included in dry edible peas]

State	Area planted			Area harvested		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Idaho	1.4	(NA)	(NA)	0.8	(NA)	(NA)
Montana	12.0	(NA)	(NA)	8.0	(NA)	(NA)
Oregon	3.0	(NA)	(NA)	2.1	(NA)	(NA)
United States	16.4	(NA)	(NA)	10.9	(NA)	(NA)

State	Yield per acre			Production		
	2018	2019	2020	2018	2019	2020
	(pounds)	(pounds)	(pounds)	(1,000 cwt)	(1,000 cwt)	(1,000 cwt)
Idaho	1,300	(NA)	(NA)	10	(NA)	(NA)
Montana	950	(NA)	(NA)	76	(NA)	(NA)
Oregon	1,800	(NA)	(NA)	38	(NA)	(NA)
United States	1,138	(NA)	(NA)	124	(NA)	(NA)

(NA) Not available.

Hop Area Harvested, Yield, and Production by Variety – States and United States: 2018-2020

State and variety	Area harvested		
	2018 (acres)	2019 (acres)	2020 (acres)
Idaho			
Amarillo ^R , VGXP01	825	561	538
Apollo TM	232	(D)	(D)
Bravo TM	87	(D)	(D)
Calypso TM	81	81	(D)
Cascade	836	710	407
Cashmere	(D)	(D)	125
Chinook	962	786	624
Citra ^R , HBC 394	855	973	1,527
Cluster	63	(D)	(D)
Columbus/Tomahawk ^R /Zeus (CTZ) ¹	(D)	991	1,457
Comet	(D)	112	93
Crystal	150	131	(D)
El Dorado ^R	120	352	526
Eureka! TM	133	185	(D)
Galena	109	113	(D)
Hallertauer	(D)	25	159
Idaho 7 TM	(D)	388	564
Mosaic ^R , HBC 369	506	801	1,186
Northern Brewer	(D)	57	58
Saaz	(D)	140	(D)
Simcoe ^R , YCR 14	449	469	425
Super Galena TM	84	(D)	(D)
Triumph	(NA)	(NA)	39
Willamette	(D)	170	(D)
Zeus ¹	1,496	611	(NA)
Experimental	(D)	(D)	(D)
Other varieties ²	1,152	702	1,540
Total	8,140	8,358	9,268
Oregon			
Amarillo ^R , VGXP01	(D)	212	216
Cascade	1,064	1,039	754
Centennial	698	614	489
Chinook	129	114	86
Citra ^R , HBC 394	690	998	1,327
Crystal	354	247	(D)
Fuggle	59	63	(D)
Golding	121	92	(D)
Liberty	(D)	(D)	56
Magnum	105	(D)	(D)
Mosaic ^R , HBC 369	(D)	478	595
Mt. Hood	311	295	159
Nugget	1,307	1,059	826
Perle	77	(D)	(D)
Sabro TM , HBC 438	(NA)	(D)	74
Simcoe ^R , YCR 14	436	440	474
Sterling	191	147	58
Strata TM , OR91331	(NA)	253	484
Super Galena TM	84	78	87
Tettnanger	72	(D)	(D)
Willamette	913	619	605
Experimental	(D)	(D)	(D)
Other varieties ²	1,114	558	814
Total	7,725	7,306	7,104

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:
2018-2020 (continued)**

State and variety	Yield per acre		
	2018 (pounds)	2019 (pounds)	2020 (pounds)
Idaho			
Amarillo ^R , VGXP01	2,009	1,560	1,576
Apollo TM	1,951	(D)	(D)
Bravo TM	2,226	(D)	(D)
Calypso TM	2,138	1,901	(D)
Cascade	1,716	1,823	1,213
Cashmere	(D)	(D)	1,578
Chinook	1,873	2,215	1,614
Citra ^R , HBC 394	1,438	1,532	1,686
Cluster	2,126	(D)	(D)
Columbus/Tomahawk ^R /Zeus (CTZ) ¹	(D)	3,002	2,673
Comet	(D)	1,970	1,740
Crystal	1,927	1,971	(D)
El Dorado ^R	1,463	1,352	1,590
Eureka! TM	2,299	2,243	(D)
Galena	1,715	1,773	(D)
Hallertauer	(D)	1,253	614
Idaho 7 TM	(D)	2,562	2,442
Mosaic ^R , HBC 369	2,333	2,296	2,335
Northern Brewer	(D)	1,407	1,432
Saaz	(D)	771	(D)
Simcoe ^R , YCR 14	1,245	1,164	992
Super Galena TM	2,493	(D)	(D)
Triumph	(NA)	(NA)	365
Willamette	(D)	1,695	(D)
Zeus ¹	2,764	2,672	(NA)
Experimental	(D)	(D)	(D)
Other varieties ²	1,845	1,971	1,567
Total	1,995	2,034	1,855
Oregon			
Amarillo ^R , VGXP01	(D)	2,312	2,360
Cascade	1,623	1,620	1,639
Centennial	1,277	1,661	1,675
Chinook	1,674	1,733	1,481
Citra ^R , HBC 394	1,600	1,476	1,506
Crystal	1,819	1,943	(D)
Fuggle	1,034	1,243	(D)
Golding	1,160	1,351	(D)
Liberty	(D)	(D)	2,289
Magnum	1,284	(D)	(D)
Mosaic ^R , HBC 369	(D)	2,113	2,155
Mt. Hood	1,411	1,538	1,551
Nugget	1,946	2,130	1,841
Perle	1,093	(D)	(D)
Sabro TM HBC 438	(NA)	(D)	870
Simcoe ^R , YCR 14	1,588	1,845	1,823
Sterling	1,760	1,643	1,728
Strata TM , OR91331	(NA)	2,066	2,068
Super Galena TM	2,216	2,580	2,801
Tettnanger	1,027	(D)	(D)
Willamette	1,489	1,717	1,857
Experimental	(D)	(D)	(D)
Other varieties ²	2,068	1,644	1,479
Total	1,675	1,783	1,755

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:
2018-2020 (continued)**

State and variety	Production		
	2018 (1,000 pounds)	2019 (1,000 pounds)	2020 (1,000 pounds)
Idaho			
Amarillo ^R , VGXP01	1,657.4	875.2	847.9
Apollo TM	452.6	(D)	(D)
Bravo TM	193.7	(D)	(D)
Calypso TM	173.2	154.0	(D)
Cascade	1,434.6	1,294.3	493.7
Cashmere	(D)	(D)	197.3
Chinook	1,801.8	1,741.0	1,007.1
Citra ^R , HBC 394	1,229.5	1,490.6	2,574.5
Cluster	133.9	(D)	(D)
Columbus/Tomahawk ^R /Zeus (CTZ) ¹	(D)	2,975.0	3,894.6
Comet	(D)	220.6	161.8
Crystal	289.1	258.2	(D)
El Dorado ^R	175.6	475.9	836.3
Eureka! TM	305.8	415.0	(D)
Galena	186.9	200.3	(D)
Hallertauer	(D)	31.3	97.6
Idaho 7 TM	(D)	994.1	1,377.3
Mosaic ^R , HBC 369	1,180.5	1,839.1	2,769.3
Northern Brewer	(D)	80.2	83.1
Saaz	(D)	107.9	(D)
Simcoe ^R , YCR 14	559.0	545.9	421.6
Super Galena TM	209.4	(D)	(D)
Triumph	(NA)	(NA)	14.2
Willamette	(D)	288.2	(D)
Zeus ¹	4,134.9	1,632.6	(NA)
Experimental	(D)	(D)	(D)
Other varieties ²	2,124.9	1,383.7	2,413.8
Total	16,242.8	17,003.1	17,190.1
Oregon			
Amarillo ^R , VGXP01	(D)	490.1	509.8
Cascade	1,726.9	1,683.2	1,235.8
Centennial	891.3	1,019.9	819.1
Chinook	215.9	197.6	127.4
Citra ^R , HBC 394	1,104.0	1,473.0	1,998.5
Crystal	643.9	479.9	(D)
Fuggle	61.0	78.3	(D)
Golding	140.4	124.3	(D)
Liberty	(D)	(D)	128.2
Magnum	134.8	(D)	(D)
Mosaic ^R , HBC 369	(D)	1,010.0	1,282.2
Mt. Hood	438.8	453.7	246.6
Nugget	2,543.4	2,255.7	1,520.7
Perle	84.2	(D)	(D)
Sabro TM HBC 438	(NA)	(D)	64.4
Simcoe ^R , YCR 14	692.4	811.8	864.1
Sterling	336.2	241.5	100.2
Strata TM , OR91331	(NA)	522.7	1,000.9
Super Galena TM	186.1	201.2	243.7
Tettnanger	73.9	(D)	(D)
Willamette	1,359.5	1,062.8	1,123.5
Experimental	(D)	(D)	(D)
Other varieties ²	2,303.5	917.5	1,203.6
Total	12,936.2	13,023.2	12,468.7

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:
2018-2020 (continued)**

State and variety	Area harvested		
	2018 (acres)	2019 (acres)	2020 (acres)
Washington			
Ahtanum ^R , YCR 1	255	261	230
Amarillo ^R , VGXP01	1,895	1,597	1,395
Apollo TM	795	851	750
Azacca ^R , ADHA-483	546	589	722
Bravo TM	280	236	201
Cascade	4,274	3,718	2,877
Cashmere	195	310	448
Centennial	3,875	3,031	2,444
Chinook	1,734	1,437	1,183
Citra ^R , HBC 394	4,837	6,720	8,143
Cluster	610	470	413
Columbus/Tomahawk ^R /Zeus (CTZ) ¹	2,034	2,323	4,829
Comet	218	210	330
Crystal	114	66	(D)
Ekuant ^R , HBC 366	865	632	641
El Dorado ^R	418	641	1,058
Eureka! TM	409	425	465
Galena	390	297	241
Idaho 7 TM	(D)	85	341
Jarrylo ^R , ADHA-881	(D)	(D)	17
Loral ^R , HBC 291	172	125	164
Mosaic ^R , HBC 369	1,932	2,829	3,715
Mt. Hood	104	53	48
Mt. Rainier	306	239	223
Nugget	126	104	(D)
Pahto TM , HBC 682	1,721	2,109	2,208
Palisade ^R , YCR 4	515	477	246
Pekko ^R , ADHA-871	92	(D)	801
Sabro TM , HBC 438	(NA)	724	1,145
Simcoe ^R , YCR 14	3,103	3,367	3,214
Sorachi Ace	146	(D)	(D)
Summit TM	1,574	1,072	640
Super Galena TM	500	473	475
Tahoma	209	230	177
Warrior ^R , YCR 5	(D)	(D)	283
Willamette	376	270	203
Zeus ¹	2,592	2,612	(NA)
Experimental	374	360	453
Other varieties ²	1,584	1,937	1,546
Total	39,170	40,880	42,269
United States³	55,035	56,544	58,641

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:
2018-2020 (continued)**

State and variety	Yield per acre		
	2018 (pounds)	2019 (pounds)	2020 (pounds)
Washington			
Ahtanum ^R , YCR 1	2,730	2,820	2,134
Amarillo ^R , VGXP01	1,868	1,946	1,649
Apollo TM	2,848	2,735	2,248
Azacca ^R , ADHA-483	2,491	2,441	1,527
Bravo TM	3,258	3,216	2,308
Cascade	1,972	1,920	1,551
Cashmere	1,519	1,699	1,514
Centennial	1,364	1,820	1,640
Chinook	1,875	1,942	1,665
Citra ^R , HBC 394	1,611	1,424	1,526
Cluster	1,813	1,815	2,065
Columbus/Tomahawk ^R /Zeus (CTZ) ¹	2,482	2,584	2,176
Comet	1,750	1,311	872
Crystal	2,357	1,989	(D)
Ekuanot ^R , HBC 366	2,583	2,483	2,158
El Dorado ^R	1,880	2,032	1,516
Eureka! TM	2,954	3,188	2,332
Galena	2,149	2,045	1,838
Idaho 7 TM	(D)	1,544	1,736
Jarrylo ^R , ADHA-881	(D)	(D)	1,428
Loral ^R , HBC 291	2,349	2,515	1,874
Mosaic ^R , HBC 369	2,351	2,054	1,998
Mt. Hood	1,454	1,037	1,139
Mt. Rainier	1,899	2,149	1,586
Nugget	1,498	2,313	(D)
Pahto TM , HBC 682	2,087	2,398	2,019
Palisade ^R , YCR 4	2,441	2,520	2,114
Pekko ^R , ADHA-871	1,889	(D)	1,239
Sabro TM , HBC 438	(NA)	1,612	1,886
Simcoe ^R , YCR 14	1,642	1,788	1,643
Sorachi Ace	1,042	(D)	(D)
Summit TM	1,826	1,816	1,096
Super Galena TM	3,133	2,871	2,636
Tahoma	2,147	1,958	1,588
Warrior ^R , YCR 5	(D)	(D)	1,669
Willamette	1,348	1,596	1,458
Zeus ¹	2,619	2,620	(NA)
Experimental	1,889	2,251	1,207
Other varieties ²	1,896	1,888	1,737
Total	1,984	2,006	1,754
United States³	1,943	1,981	1,770

See footnote(s) at end of table.

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**Hop Area Harvested, Yield, and Production by Variety – States and United States:
2018-2020 (continued)**

State and variety	Production		
	2018 (1,000 pounds)	2019 (1,000 pounds)	2020 (1,000 pounds)
Washington			
Ahtanum ^R , YCR 1	696.2	736.0	490.8
Amarillo ^R , VGXP01	3,539.9	3,107.8	2,300.4
Apollo TM	2,264.2	2,327.5	1,686.0
Azacca ^R , ADHA-483	1,360.1	1,437.7	1,102.5
Bravo TM	912.2	759.0	463.9
Cascade	8,428.3	7,138.6	4,462.2
Cashmere	296.2	526.7	678.3
Centennial	5,285.5	5,516.4	4,008.2
Chinook	3,251.3	2,790.7	1,969.7
Citra ^R , HBC 394	7,792.4	9,569.3	12,426.2
Cluster	1,105.9	853.1	852.8
Columbus/Tomahawk ^R /Zeus (CTZ) ¹	5,048.4	6,002.6	10,507.9
Comet	381.5	275.3	287.8
Crystal	268.7	131.3	(D)
Ekuanot ^R , HBC 366	2,234.3	1,569.3	1,383.3
El Dorado ^R	785.8	1,302.5	1,603.9
Eureka! TM	1,208.2	1,354.9	1,084.4
Galena	838.1	607.4	443.0
Idaho 7 TM	(D)	131.2	592.0
Jarrylo ^R , ADHA-881	(D)	(D)	24.3
Loral ^R , HBC 291	404.0	314.4	307.3
Mosaic ^R , HBC 369	4,542.1	5,810.8	7,422.6
Mt. Hood	151.2	55.0	54.7
Mt. Rainier	581.1	513.6	353.7
Nugget	188.7	240.6	(D)
Pahto TM , HBC 682	3,591.7	5,057.4	4,458.0
Palisade ^R , YCR 4	1,257.1	1,202.0	520.0
Pekko ^R , ADHA-871	173.8	(D)	992.4
Sabro TM , HBC 438	(NA)	1,167.1	2,159.5
Simcoe ^R , YCR 14	5,095.1	6,020.2	5,280.6
Sorachi Ace	152.1	(D)	(D)
Summit TM	2,874.1	1,946.8	701.4
Super Galena TM	1,566.5	1,358.0	1,252.1
Tahoma	448.7	450.3	281.1
Warrior ^R , YCR 5	(D)	(D)	472.3
Willamette	506.8	430.9	296.0
Zeus ¹	6,788.4	6,843.4	(NA)
Experimental	706.5	810.4	546.8
Other varieties ²	3,002.6	3,656.7	2,685.4
Total	77,727.7	82,014.9	74,151.5
United States³	106,906.7	112,041.2	103,810.3

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

(NA) Not available.

^R Registered
TM Trademark

¹ Beginning in 2020, Zeus is included in Columbus/Tomahawk/Zeus (C/T/Z).

² Includes data withheld to avoid disclosure of individual operations and varieties not listed.

³ Includes 770 acres of organic hops for 2020 with yield equal to 1,090 pounds per acre and production at 839,576 pounds.

Mint for Oil Area Harvested, Yield, and Production by Crop – States and United States: 2018-2020

Crop, State, and variety	Area harvested			Yield per acre		
	2018	2019	2020	2018	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(pounds)	(pounds)	(pounds)
Peppermint						
California ¹	1.6	(NA)	(NA)	85	(NA)	(NA)
Idaho	17.0	17.0	16.5	105	120	120
Indiana	7.0	6.4	5.6	50	48	44
Oregon	19.0	19.0	18.0	85	95	96
Washington	11.0	10.0	10.0	120	130	103
Wisconsin ¹	2.9	(NA)	(NA)	59	(NA)	(NA)
United States	58.5	52.4	50.1	92	104	99
Spearmint						
Idaho	(D)	1.1	1.0	(D)	145	135
Indiana	2.8	3.9	4.2	77	72	69
Michigan ¹	(D)	(NA)	(NA)	(D)	(NA)	(NA)
Oregon	2.5	2.3	2.6	125	125	100
Washington	12.3	11.0	9.9	142	152	146
Native	7.9	(D)	7.2	160	(D)	160
Scotch	4.4	(D)	2.7	110	(D)	110
Other States ²	3.2	-	-	92	(X)	(X)
United States	20.8	18.3	17.7	124	131	121
Crop, State, and variety	Production					
	2018	2019	2020			
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)			
Peppermint						
California ¹		136	(NA)		(NA)	(NA)
Idaho		1,785	2,040		1,980	1,980
Indiana		350	307		246	246
Oregon		1,615	1,805		1,728	1,728
Washington		1,320	1,300		1,030	1,030
Wisconsin ¹		171	(NA)		(NA)	(NA)
United States		5,377	5,452		4,984	4,984
Spearmint						
Idaho		(D)	160		135	135
Indiana		216	281		290	290
Michigan ¹		(D)	(NA)		(NA)	(NA)
Oregon		313	288		260	260
Washington		1,748	1,671		1,449	1,449
Native		1,264	(D)		1,152	1,152
Scotch		484	(D)		297	297
Other States ²		294	-		-	-
United States		2,571	2,400		2,134	2,134

- Represents zero.

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

(NA) Not available.

(X) Not applicable.

¹ Estimates discontinued in 2019.

² Includes data withheld above.

Maple Syrup Taps, Yield, and Production – States and United States: 2018-2020

[Estimates for 2020 are carried forward from the June 2020 *Crop Production*. Any revisions will appear in the June 2021 *Crop Production*]

State	Number of taps			Yield per tap			Production		
	2018	2019	2020	2018	2019	2020	2018	2019	2020
	(1,000 taps)	(1,000 taps)	(1,000 taps)	(gallons)	(gallons)	(gallons)	(1,000 gallons)	(1,000 gallons)	(1,000 gallons)
Connecticut ¹	73	(NA)	(NA)	0.247	(NA)	(NA)	18	(NA)	(NA)
Indiana ¹	70	(NA)	(NA)	0.257	(NA)	(NA)	18	(NA)	(NA)
Maine	1,870	1,950	1,970	0.288	0.267	0.299	539	520	590
Massachusetts ¹	320	(NA)	(NA)	0.225	(NA)	(NA)	72	(NA)	(NA)
Michigan	600	620	570	0.275	0.315	0.298	165	195	170
Minnesota ¹	65	(NA)	(NA)	0.200	(NA)	(NA)	13	(NA)	(NA)
New Hampshire	560	540	530	0.291	0.274	0.291	163	148	154
New York	2,730	2,800	2,800	0.295	0.293	0.287	806	820	804
Ohio ¹	400	(NA)	(NA)	0.225	(NA)	(NA)	90	(NA)	(NA)
Pennsylvania	670	680	710	0.212	0.231	0.238	142	157	169
Vermont	5,670	6,000	6,150	0.342	0.345	0.361	1,940	2,070	2,220
West Virginia ¹	66	(NA)	(NA)	0.121	(NA)	(NA)	8	(NA)	(NA)
Wisconsin	750	800	780	0.300	0.338	0.340	225	270	265
United States	13,844	13,390	13,510	0.303	0.312	0.324	4,199	4,180	4,372

(NA) Not available.

¹ Estimates discontinued in 2019.

Taro Area Harvested, Yield, and Production – State and United States: 2018-2020

[Estimates discontinued beginning in 2019]

State	Area harvested			Yield per acre			Production		
	2018	2019	2020	2018	2019	2020	2018	2019	2020
	(acres)	(acres)	(acres)	(pounds)	(pounds)	(pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Hawaii	310	(NA)	(NA)	9,630	(NA)	(NA)	2,985	(NA)	(NA)
United States	310	(NA)	(NA)	9,630	(NA)	(NA)	2,985	(NA)	(NA)

(NA) Not available.

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]

Crop	Area planted		Area harvested	
	2019 (1,000 acres)	2020 (1,000 acres)	2019 (1,000 acres)	2020 (1,000 acres)
Grains and hay				
Barley	2,772	2,621	2,221	2,133
Corn for grain ¹	89,745	90,819	81,337	82,467
Corn for silage	(NA)	(NA)	6,615	6,719
Hay, all	(NA)	(NA)	52,425	52,238
Alfalfa	(NA)	(NA)	16,743	16,230
All other	(NA)	(NA)	35,682	36,008
Oats	2,830	2,984	828	1,004
Proso millet	506	609	465	484
Rice	2,550	3,036	2,477	2,987
Rye	1,855	1,955	310	330
Sorghum for grain ¹	5,265	5,880	4,675	5,095
Sorghum for silage	(NA)	(NA)	339	239
Wheat, all	45,485	44,349	37,394	36,746
Winter	31,474	30,415	24,592	23,024
Durum	1,341	1,684	1,177	1,662
Other spring	12,670	12,250	11,625	12,060
Oilseeds				
Canola	2,040.0	1,825.0	1,909.5	1,789.0
Cottonseed	(X)	(X)	(X)	(X)
Flaxseed	374	305	284	296
Mustard seed	98.0	97.0	90.0	91.4
Peanuts	1,432.7	1,664.2	1,389.7	1,615.8
Rapeseed	11.3	11.2	10.4	10.1
Safflower	165.8	136.0	151.5	126.7
Soybeans for beans	76,100	83,084	74,939	82,318
Sunflower	1,350.6	1,718.7	1,253.5	1,665.7
Cotton, tobacco, and sugar crops				
Cotton, all	13,735.7	12,092.5	11,612.5	8,701.5
Upland	13,507.0	11,890.0	11,389.0	8,507.0
American Pima	228.7	202.5	223.5	194.5
Sugarbeets	1,133.0	1,162.2	980.1	1,142.3
Sugarcane	(NA)	(NA)	913.2	940.5
Tobacco	(NA)	(NA)	227.1	198.1
Dry beans, peas, and lentils				
Chickpeas ³	453.4	269.8	453.4	269.8
Dry edible beans ³	1,290.8	1,740.0		1,676.5
Dry edible peas ²	1,102.0	999.0	1,046.0	973.0
Lentils	486.0	528.0	425.0	514.0
Potatoes and miscellaneous				
Hops	(NA)	(NA)	56.5	58.6
Maple syrup	(NA)	(NA)	(NA)	(NA)
Mushrooms	(NA)	(NA)	(NA)	(NA)
Peppermint oil	(NA)	(NA)	52.4	50.1
Potatoes	963.3	921.0	937.3	914.1
Spearmint oil	(NA)	(NA)	18.3	17.7

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]

Crop	Yield per acre		Production		
	2019	2020	2019 (1,000)	2020 (1,000)	
Grains and hay					
Barley	bushels	77.7	77.5	172,499	165,324
Corn for grain	bushels	167.5	172.0	13,619,928	14,182,479
Corn for silage	tons	20.2	20.5	133,522	137,729
Hay, all	tons	2.46	2.43	128,864	126,812
Alfalfa	tons	3.28	3.27	54,875	53,067
All other	tons	2.07	2.05	73,989	73,745
Oats	bushels	64.3	65.1	53,258	65,355
Proso millet	bushels	35.7	19.0	16,608	9,210
Rice ⁵	cwt	7,473	7,619	185,104	227,583
Rye	bushels	34.3	34.9	10,622	11,532
Sorghum for grain	bushels	73.0	73.2	341,460	372,960
Sorghum for silage	tons	11.9	13.1	4,019	3,125
Wheat, all	bushels	51.7	49.7	1,932,017	1,825,820
Winter	bushels	53.6	50.9	1,316,963	1,171,022
Durum	bushels	45.8	41.4	53,959	68,808
Other spring	bushels	48.3	48.6	561,095	585,990
Oilseeds					
Canola	pounds	1,781	1,931	3,400,865	3,454,950
Cottonseed	tons	(X)	(X)	5,945.0	4,587.0
Flaxseed	bushels	19.8	19.3	5,625	5,706
Mustard seed	pounds	706	895	63,580	81,770
Peanuts	pounds	3,934	3,796	5,466,487	6,133,900
Rapeseed	pounds	2,160	1,971	22,464	19,910
Safflower	pounds	1,273	1,167	192,900	147,800
Soybeans for beans	bushels	47.4	50.2	3,551,908	4,135,477
Sunflower	pounds	1,560	1,790	1,956,035	2,982,410
Cotton, tobacco, and sugar crops					
Cotton, all ⁵	bales	823	825	19,912.5	14,953.0
Upland ⁵	bales	810	813	19,227.0	14,401.0
American Pima ⁵	bales	1,472	1,362	685.5	552.0
Sugarbeets	tons	29.2	29.4	28,650	33,618
Sugarcane	tons	35.0	37.7	31,937	35,457
Tobacco	pounds	2,060	1,966	467,956	389,413
Dry beans, peas, and lentils					
Chickpeas ⁵	cwt	1,547	1,625	6,256	4,273
Dry edible beans ⁵	cwt	1,768	1,966	20,756	32,963
Dry edible peas ^{2 5}	cwt	2,123	1,953	22,210	18,534
Lentils ⁵	cwt	1,250	1,442	5,311	6,504
Potatoes and miscellaneous					
Hops	pounds	1,981	1,982	112,041.2	117,229.0
Maple syrup	gallons	(NA)	(NA)	4,180	4,372
Mushrooms	pounds	(NA)	(NA)	846,491	
Peppermint oil	pounds	104	99	5,452	4,984
Potatoes	cwt	453	453	424,419	414,248
Spearmint oil	pounds	131	121	2,400	2,134

(NA) Not available.

(X) Not applicable.

¹ Area planted for all purposes.

² Beginning in 2019, Austrian winter peas and wrinkled seed peas are included in dry edible peas.

³ Beginning in 2019, chickpeas are excluded from dry edible beans.

⁴ Estimates discontinued in 2019.

⁵ 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]

Crop	Area planted		Area harvested	
	2019	2020	2019	2020
	(hectares)	(hectares)	(hectares)	(hectares)
Grains and hay				
Barley	1,121,800	1,060,690	898,820	863,200
Corn for grain ¹	36,318,900	36,753,540	32,916,270	33,373,570
Corn for silage	(NA)	(NA)	2,677,020	2,719,110
Hay, all ²	(NA)	(NA)	21,215,870	21,140,200
Alfalfa	(NA)	(NA)	6,775,720	6,568,120
All other	(NA)	(NA)	14,440,150	14,572,080
Oats	1,145,270	1,207,590	335,080	406,310
Proso millet	204,770	246,460	188,180	195,870
Rice	1,031,960	1,228,640	1,002,420	1,208,810
Rye	750,700	791,170	125,450	133,550
Sorghum for grain ¹	2,130,690	2,379,580	1,891,930	2,061,900
Sorghum for silage	(NA)	(NA)	137,190	96,720
Wheat, all ²	18,407,320	17,947,600	15,132,980	14,870,740
Winter	12,737,210	12,308,650	9,952,140	9,317,580
Durum	542,690	681,500	476,320	672,590
Other spring	5,127,420	4,957,450	4,704,520	4,880,560
Oilseeds				
Canola	825,570	738,560	772,760	723,990
Cottonseed	(X)	(X)	(X)	(X)
Flaxseed	151,350	123,430	114,930	119,790
Mustard seed	39,660	39,250	36,420	36,990
Peanuts	579,800	673,490	562,400	653,900
Rapeseed	4,570	4,530	4,210	4,090
Safflower	67,100	55,040	61,310	51,270
Soybeans for beans	30,796,910	33,623,260	30,327,060	33,313,270
Sunflower	546,570	695,540	507,280	674,090
Cotton, tobacco, and sugar crops				
Cotton, all ²	5,558,700	4,893,710	4,699,460	3,521,410
Upland	5,466,150	4,811,760	4,609,010	3,442,700
American Pima	92,550	81,950	90,450	78,710
Sugarbeets	458,510	470,330	396,640	462,280
Sugarcane	(NA)	(NA)	369,560	380,610
Tobacco	(NA)	(NA)	91,910	80,150
Dry beans, peas, and lentils				
Chickpeas	183,490	109,190	183,490	109,190
Dry edible beans	522,370	704,160	163,700	106,390
Dry edible peas ³		404,290		678,460
Lentils	196,680	213,680	423,310	393,760
Potatoes and miscellaneous				
Hops	(NA)	(NA)	425,000	514,000
Maple syrup	(NA)	(NA)	(NA)	(NA)
Mushrooms	(NA)	(NA)	(NA)	(NA)
Peppermint oil	(NA)	(NA)	21,210	20,270
Potatoes	389,840	372,720	379,320	369,930
Spearmint oil	(NA)	(NA)	7,410	7,160

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]

Crop	Yield per hectare		Production	
	2019	2020	2019	2020
	(metric tons)	(metric tons)	(metric tons)	(metric tons)
Grains and hay				
Barley	4.18	4.17	3,755,720	3,599,510
Corn for grain	10.51	10.79	345,962,110	360,251,560
Corn for silage	45.25	45.95	121,129,120	124,945,650
Hay, all ²	5.51	5.44	116,903,450	115,041,910
Alfalfa	7.35	7.33	49,781,760	48,141,570
All other	4.65	4.59	67,121,690	66,900,340
Oats	2.31	2.33	773,040	948,630
Proso millet	2.00	1.07	376,660	208,880
Rice	8.38	8.54	8,396,180	10,322,990
Rye	2.15	2.19	269,810	292,930
Sorghum for grain	4.58	4.59	8,673,480	9,473,620
Sorghum for silage	26.58	29.31	3,645,980	2,834,950
Wheat, all ²	3.47	3.34	52,580,890	49,690,680
Winter	3.60	3.42	35,841,860	31,870,000
Durum	3.08	2.78	1,468,520	1,872,650
Other spring	3.25	3.27	15,270,500	15,948,030
Oilseeds				
Canola	2.00	2.16	1,542,610	1,567,140
Cottonseed	(X)	(X)	5,393,210	4,161,260
Flaxseed	1.24	1.21	142,880	144,940
Mustard seed	0.79	1.00	28,840	37,090
Peanuts	4.41	4.25	2,479,560	2,782,290
Rapeseed	2.42	2.21	10,190	9,030
Safflower	1.43	1.31	87,500	67,040
Soybeans for beans	3.19	3.38	96,667,090	112,549,240
Sunflower	1.75	2.01	887,240	1,352,800
Cotton, tobacco, and sugar crops				
Cotton, all ²	0.92	0.92	4,335,440	3,255,630
Upland	0.91	0.91	4,186,190	3,135,450
American Pima	1.65	1.53	149,250	120,180
Sugarbeets	65.53	65.97	25,990,840	30,497,740
Sugarcane	78.40	84.51	28,972,760	32,166,050
Tobacco	2.20		176,630	
Dry beans, peas, and lentils				
Chickpeas	1.73	1.82	283,770	193,820
Dry edible beans	1.98	2.20	941,480	1,495,180
Dry edible peas ³	2.38	2.50	1,007,430	840,690
Lentils	1.40	1.62	240,900	336,160
Potatoes and miscellaneous				
Hops	2.22	1.12	50,820	47,090
Maple syrup	(NA)	(NA)	20,900	21,860
Mushrooms	(NA)	(NA)	383,960	
Peppermint oil	0.12	0.11	2,470	2,260
Potatoes	50.75	50.79	19,251,320	18,789,970
Spearmint oil	0.15	0.14	1,090	970

(NA) Not available.

(X) Not applicable.

¹ Area planted for all purposes.

² Total may not add due to rounding.

³ Beginning in 2019, Austrian winter peas and wrinkled seed peas are included in dry edible peas.

⁴ Beginning in 2019, chickpeas are excluded from dry edible beans.

⁵ Estimates discontinued in 2019.

2020 Annual Weather Summary

Highlights: La Niña developed during the second half of the year, enhancing tropical activity in the Atlantic Basin, suppressing tropical storm intensification over the eastern North Pacific, and likely contributing to drought development in the United States, particularly from the Pacific Coast to the High Plains. In fact, a record-setting number of tropical cyclones—30 named storms—formed in the Atlantic Basin, breaking the 2005 record of 28. A record was also broken in 2020 for the number of tropical cyclones making landfall in the United States (12; previously, nine in 1916). In addition, six hurricanes (Hanna, Isaias, Laura, Sally, Delta, and Zeta) struck the United States mainland, tying the annual record set in 1886 and 1985. Meanwhile, 16 named storms—but only four hurricanes—formed in 2020 over the eastern Pacific Ocean between the International Dateline and the western coast of Northern and Central America.

Despite many tropical cyclones prowling the Atlantic Basin and drought across much of the northeastern and western United States, many row crops experienced a favorable growing season. Namely, extreme summer heat was largely absent from key corn and soybean production areas of the Plains and Midwest, allowing crops to reach maturity without significant thermal stress. Many crops in the Nation’s heartland—especially in the western Corn Belt—also benefited from a much more favorable (drier) planting season, compared to 2019. However, drought in portions of the western Corn Belt, along with a high-wind event (derecho) on August 10, trimmed corn and soybean yield prospects in Iowa and environs.

Farther south, a variety of factors were detrimental to optimal cotton production. On the southern High Plains, heat and drought severely stressed the dryland portion of the crop. In the Southeast, repeated late-summer and autumn rainfall events, including several hurricanes and tropical storms, damaged some cotton and delayed harvest for a variety of summer crops. Excessively wet conditions persisted through the end of the harvest season in portions of the Atlantic Coast States, including Virginia and North Carolina.

In eastern North Dakota and neighboring areas, the 2020 growing season ended ahead of schedule with an early-September freeze. However, crops in other areas of the Plains and Midwest were largely mature when season-ending freezes struck, roughly on schedule, starting in late September and early October. Meanwhile, intensifying drought from the High Plains westward resulted in national rangeland and pasture condition ratings falling to their lowest levels in 8 years. Nearly one-half (46 percent) of the Nation’s rangeland and pastures were rated in very poor to poor condition on September 6, with that number improving only slightly to 43 percent by the end of the growing season.

The western United States dealt not only with drought, but also an extremely active wildfire season. The Western wildfire crisis reached a peak in early to mid-September, with at least 18 blazes actively burning that had scorched at least 100,000 acres of vegetation. Although activity waned late in the year, wildfires across the Nation charred nearly 10.3 million acres of vegetation (more than 150 percent of the 10-year average), despite a minimal contribution (less than 0.2 million acres) from Alaska. Previously in the modern era, wildfires had burned more than 10 million acres only twice: 2015 (10.13 million acres) and 2017 (10.03 million acres).

During 2020, the Nation’s drought coverage ranged from 9.56 percent on February 18 to 49.58 percent on December 22, according to the United States Drought Monitor—a five-fold increase in just 10 months. The latter figure, showing nearly one-half of the Lower 48 States in drought, represented the greatest national coverage since September 2013. In the Southwest, the effects of an abysmal monsoon and a slow start to the winter wet season were aggravated by record-setting high temperatures.

According to the National Centers for Environmental Information (NCEI), the contiguous United States completed its 5th-warmest, 63rd-wettest year on record. The Nation’s 2020 annual average temperature of 54.4°F was 2.4°F above the 1901-2000 mean. All five of the warmest years on record have occurred in the last decade: 2012, 2015, 2016, 2017, and 2020. Top-ten rankings for annual warmth occurred in 29 states spread across the South, West, and East. It was the second-warmest year on record in eight Atlantic Coast States, as well as Arizona and New Mexico. Annual precipitation averaged 30.28 inches (101 percent of the 20th century mean). However, it was the nation’s driest year since 2012. There was a remarkable contrast between dryness in much of the West and wet conditions in the Southeast. In fact, it was the driest year during the 126-year period of record in Nevada and Utah—and among the ten driest in Arizona, California,

Colorado, New Mexico, North Dakota, and Wyoming. Farther east, however, it was among the ten wettest years in nine states across the mid-Atlantic and Southeast.

Winter 2019-20: Despite fleeting cold outbreaks, warmth dominated the country during the winter of 2019-2020. Above-normal temperatures were especially notable east of the Mississippi River, leading to one of the ten warmest winters on record in most states. Meanwhile, wet weather persisted through another season in much of the central and eastern United States, leading to pockets of mid- to late-winter flooding. Much of the Southeast was especially wet, with Alabama and Georgia reporting record-high winter precipitation. However, parts of the Deep South, mostly from southern Texas to peninsular Florida, experienced drier-than-normal weather. In fact, drought appreciably intensified during the winter in the western Gulf Coast region, including Deep South Texas.

In California, a promising start to the winter wet season faded into a protracted stretch of dry weather. Aside from a brief period of precipitation in January, the last 2 months of winter were almost completely dry in California's key watershed areas. By February 29, the average water equivalency of the Sierra Nevada snowpack stood at 11 inches—just 45 percent of the end-of-winter normal, according to the California Department of Water Resources. A different scenario unfolded across the Northwest, where a slow start to the winter wet season was replaced by extremely wet conditions—and even some flooding—in January. Elsewhere, the Southwest experienced several periods of significant winter precipitation, but dealt with chronically low reservoir levels—especially in New Mexico—and premature melting of high-elevation snowpack.

Winter wheat did not suffer major calamities during the winter months, although several factors contributed to less-than-ideal crop conditions in some areas. On the central and southern High Plains, pockets of drought and harsh autumn cold snaps led to locally poor winter wheat stands as the crop entered dormancy. By March 1, at least one-fifth of the wheat was rated in very poor to poor condition in Texas (23 percent) and Kansas (20 percent). Elsewhere, 22 percent of Michigan's winter wheat was rated very poor to poor in late February, partly due to late planting, poor establishment, and excessive wetness.

Spring: Cold outbreaks from mid-April to mid-May highlighted a variable spring. The cold weather and attendant freezes damaged a variety of crops—including fruits, winter wheat, and emerged summer crops—across portions of the Plains, Midwest, mid-South, and Intermountain West. Ironically, most of the country experienced a mild spring, on average, with warmth concentrated across the West and Deep South, as well as the Atlantic Coast States. Meanwhile, spring wetness was focused in parts of the South, East, and lower Midwest. Although flooding occurred in several regions, the overall magnitude of high-water impacts on agriculture was far less than a year ago, when delayed corn and soybean planting plagued the Midwest. In fact, national corn planting passed the halfway mark (and was 51 percent complete) on May 3, about 17 days faster than 2019. Similarly, the Nation's soybeans were more than one-half planted by May 16, some 21 days faster than last year. Nevertheless, spring planting delays were noted in parts of the central and eastern Corn Belt due to wetness; in eastern North Dakota and environs due to lingering muddy conditions and ongoing harvesting of the 2019 corn crop; and across the remainder of the northern Plains due to several weeks of persistently cool weather.

In northern and central California, March precipitation provided temporary relief from an otherwise disappointing 2019-2020 wet season. By the end of spring, drought extended into many other areas of the West, eastward across the Great Basin and into the Four Corners region, and northward into parts of the Northwest. Farther east, winter wheat across the southern half of the Plains was hurt not only by April freezes, but also by developing or intensifying drought. By June 1, nearly one-fifth (19 percent) of the Nation's winter wheat was rated in very poor to poor condition, led by Colorado (41 percent very poor to poor), Kansas (25 percent), Oregon (24 percent), and Texas (22 percent).

Meanwhile, early tropical activity—including Tropical Storms Arthur and Bertha—contributed to a wet pattern in the Southeast. Arthur grazed North Carolina's Outer Banks on May 18, followed by Bertha's arrival in South Carolina on May 27. Although May featured few tornadoes, March and April were very active, with multiple severe-weather outbreaks. In fact, there were 25 tornado-related fatalities in March and 40 in April; with 74 deaths through May, this year has already become the deadliest year for tornado fatalities since 2011.

Summer: An early start to the Atlantic tropical season (Tropical Storm Arthur formed on May 16) culminated in Category 4 Hurricane Laura smashing into southwestern Louisiana on August 27. Other Atlantic tropical systems

affecting the country during the summer included Tropical Storm Cristobal (landfall on June 7 in southeastern Louisiana), Tropical Storm Fay (July 10 in New Jersey), Hurricane Hanna (July 25 in southern Texas), and Hurricane Isaias (August 3 in North Carolina).

Meanwhile, remnant moisture from eastern Pacific Hurricane Elida and Tropical Storm Fausto was drawn northeastward across the western United States in mid-August, contributing to swarms of lightning strikes in the Pacific Coast States. Following a relatively quiet start to the Western wildfire season, the lightning ignited hundreds of blazes, which consolidated into dozens of large fires. The Western crisis worsened in early to mid-September, with 18 wildfires active at one point that had scorched at least 100,000 acres of vegetation.

Another notable summer disaster was the windstorm (derecho) that struck the Midwest on August 10. Iowa, hardest hit by the high winds (locally exceeding 100 mph), also endured a localized drought that adversely affected corn, soybeans, and pastures.

According to the United States Drought Monitor, drought coverage across the Lower 48 States nearly doubled from 19.9 to 39.4 percent between June 2 and September 1. Although drought was concentrated across the western half of the country, from the Pacific Coast to the High Plains, with profound impacts on rangeland and pastures, notable drought pockets were observed in the Midwest and Northeast. In fact, the Northeast noted its second major drought in 5 years, following the dry summer of 2016.

Autumn: Five tropical cyclones—three hurricanes and two tropical storms—hit the United States mainland in autumn 2020, boosting the seasonal total to a record-shattering twelve storms. Six 2020 hurricanes (Hanna, Isaias, Laura, Sally, Delta, and Zeta) moved ashore in the United States, with all but Isaias striking from Texas to Alabama. The most frequent target was Louisiana, which endured Hurricanes Laura (August 27), Delta (October 9), and Zeta (October 28). The last tropical cyclone of the season to hit the United States was former Hurricane Eta, which twice (on November 8 and 12) struck Florida as a tropical storm.

Much of the South remained wet due to frequent bouts with tropical rainfall, while drought's footprint expanded and intensified in many areas from the Pacific Coast to the High Plains. Between September 1 and December 1, drought coverage across the Lower 48 States increased from 39.4 to 48.0 percent, according to the United States Drought Monitor. During the same 3-month period, drought coverage in the 11-state Western region grew from 67.6 to 75.6 percent, despite modest Northwestern improvement.

Autumn dryness, extending as far east as the Plains, stressed a portion of the newly planted winter wheat crop. By November 29, dry conditions across the central and southern Plains left more than one-fifth of the winter wheat rated in very poor to poor condition in Colorado (38 percent), Texas (34 percent), Nebraska (26 percent), and Kansas (22 percent). However, autumn dryness also favored a rapid harvest pace for a variety of summer crops across the Plains and western Corn Belt. In contrast, producers struggled to harvest crops such as cotton, peanuts, and soybeans in wetter areas of the Southeast.

Though autumn temperatures were consistently above normal in the East and West, periods of cold, snowy weather were common across the Nation's mid-section. The Plains' most dramatic temperature shift occurred in late October and early November, when some locations noted monthly record lows followed within a week by monthly record highs.

December: Mild weather and occasional storms benefited winter wheat across the Nation's mid-section, with crop conditions improving across the Great Plains between late November and the end of the year. Despite the mostly favorable December weather, significant soil moisture shortages persisted across parts of the Plains. By December 31, topsoil moisture was rated at least one-half very short to short in several states, including Colorado (77 percent), North Dakota (71 percent), Montana (61 percent), South Dakota (59 percent) and Nebraska (56 percent).

Meanwhile, significant drought persisted from Oregon and California to the central and southern Rockies. By December 29, drought covered 78.6 percent of the 11-state Western region and 49.0 percent of the contiguous United States, according to the Drought Monitor. A week earlier, the nation's drought coverage had reached a 7-year high, peaking at 49.6 percent. By month's end, the average water equivalency of the high-elevation Sierra Nevada snowpack

stood at just over 5 inches, barely one-half of late-December normal and about one-fifth of the typical spring maximum. In contrast, a La Niña-driven storm track primarily affected the Pacific Northwest, delivering heavy precipitation across western Washington.

Although heavy snow bypassed much of the West, occasional December accumulations occurred from the Plains into the Midwest and Northeast. At mid-month, one of the most significant winter storms in several years deposited 1 to 3 feet of snow in parts of the Northeast. About a week later, a storm produced blizzard conditions (on December 23) in the upper Midwest and sparked a rain-to-snow event (on December 24-25) from the Appalachians into the lower Great Lakes region. A sharp but short-lived cold outbreak trailed the wintry weather into the Midwest and East.

However, significant early winter cold outbreaks were scarce, as December temperatures averaged more than 10°F above normal in parts of North Dakota and eastern Montana. In fact, near- or above-normal temperatures covered the country, except for cooler-than-normal conditions in the southern Atlantic States and parts of the Southwest. Despite a cool December, the warmest year on record wrapped up in numerous Southeastern locations, mainly across Florida, but extending as far north as the mid-Atlantic. In addition, several communities in Virginia, including Lynchburg and Roanoke, as well as some places in neighboring states, completed a record-wet year. Southeastern wetness hampered late-season harvest efforts for crops such as cotton and soybeans.

2020 Annual Crop Summary

April: Temperatures were cooler than normal for most of the Corn Belt, the Great Lakes, the Great Plains, the Mid-Atlantic region, and New England. In the Northern Great Plains, average temperatures were 5°F or more below normal in many areas. Temperatures were warmer than normal in Florida, California, Gulf Coast region, Pacific Northwest, and Southwest. Parts of Central and Southern Florida averaged 6°F or more above normal in some areas. Most of the eastern half of the Nation received higher than average precipitation for the month of April. The most significant amounts of rain fell in large parts of the Mid Atlantic, Mississippi Valley, and the Southeast. Parts of Alabama, Georgia, Louisiana, and Mississippi received 10 inches or more of rain. In contrast, most of the western half of the Nation remained dry for the month of April, receiving slightly below normal amounts of precipitation. Exceptions to this were found in Central and Southern California and pockets of the Southwest and Northern Rocky Mountains. By April 12, producers had planted 3 percent of the Nation's corn acreage, equal to the previous year but 1 percentage point behind the 5-year average. The planting pace picked up during the week ending April 26, when producers had planted 27 percent of the Nation's corn acreage, 15 percentage points ahead of the previous year and 7 percentage points ahead of the 5-year average. By April 26, thirteen percent of the cotton acreage was planted, 3 percentage points ahead of the previous year and 2 percentage points ahead of the 5-year average.

May: Temperatures were cooler than average for most of the eastern half of the Nation and the Great Plains, with temperatures averaging 4°F or more below normal in much of these regions. In contrast, most of the western half of the Nation generally saw above average temperatures for May. Parts of the southern Rockies and Southwest saw temperatures 4°F or more above normal. Most of the western half of the Nation remained dry for the month of May, except for parts of Idaho, Montana, and the Pacific Northwest, parts of which received 4 or more inches of rain. The highest amounts of rainfall for the Nation were seen in the southern Great Plains, the Lower Mississippi Valley, and the Southeast, where some areas received 10 inches or more of precipitation in May. By May 17, producers planted 80 percent of the Nation's corn acreage, 36 percentage points ahead of the previous 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 the previous year and 3 percentage points ahead of the 5-year average. Nationwide, 44 percent of the cotton acreage was planted by May 17, five percentage points ahead of the previous year and 4 percentage points ahead of the 5-year average. Thirty-two percent of the Nation's sorghum acreage was planted by May 17, seven percentage points ahead of the previous year but 2 percentage points behind the 5-year average. Seventy-two percent of the Nation's barley acreage was planted by May 17, one percentage point ahead of the previous year but 10 percentage points behind the 5-year average. Seventy-five percent of the Nation's soybean acreage was planted by May 31, thirty-nine percentage points ahead of the previous year and 7 percentage points ahead of the 5-year average. As of May 31, ninety-one percent of the Nation's spring wheat acreage had been seeded, 1 percentage point ahead of the previous year but 5 percentage points behind the 5-year average.

June: Temperatures were warmer than average for most of California, Florida, the Great Plains, the Corn Belt, the Great Lakes, and New England. Most of the central and northern Great Plains saw temperatures 3°F or more above normal. In contrast, cooler than normal temperatures were felt in much of the Mississippi Valley, the northern Rockies, the Southeast, and South Texas. Most of California, the Great Plains, the Northeast, and the Southwest were drier than normal for the month of June. In contrast, large parts of the Mid-Atlantic, Mississippi Valley, Pacific Northwest, northern Rockies, and Southeast received higher than normal amounts of rain. By May 31, producers had planted 93 percent of the Nation's corn acreage, 29 percentage points ahead of the previous year and 4 percentage points ahead of the 5-year average. Ninety-three percent of the Nation's barley was planted by May 31, one percentage point ahead of the previous year but 3 percentage points behind the 5-year average. Nationally, peanut producers had planted 95 percent of the 2020 peanut acreage by June 14, two percentage points ahead of the previous year but equal to the 5-year average. As of June 14, ninety-five percent of the Nation's spring wheat acreage had emerged, 3 percentage points ahead of the previous year but 2 percentage points behind the 5-year average. By June 14, ninety-three percent of the Nation's rice acreage had emerged, 1 percentage point ahead of the previous year but 4 percentage points behind the 5-year average. Ninety-five percent of the Nation's corn acreage had emerged by June 14, twenty-one percentage points ahead of the previous year and 3 percentage points ahead of the 5-year average. Ninety-four percent of the Nation's barley acreage had emerged by June 14, four percentage points ahead of the previous year but 1 percentage point behind the 5-year average. Nationwide, 89 percent of the cotton acreage was planted by June 14, four percentage points ahead of the previous year but 2 percentage points behind the 5-year average. Ninety-three percent of the Nation's soybean acreage was planted by June 14, twenty-one percentage points ahead of the previous year and 5 percentage points ahead of the 5-year average. Ninety-five percent of the Nation's soybean acreage had emerged by June 28, fifteen percentage points ahead of the previous year and 4 percentage points ahead of the 5-year average. Ninety-six percent of the Nation's sorghum acreage was planted by June 28, five percentage points ahead of the previous year and 1 percentage point ahead of the 5-year average.

July: Temperatures were 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. Eighty-five percent of the Nation's oat acreage was headed by July 5, sixteen percentage points ahead of the previous year but 1 percentage point behind the 5-year average. Sixty percent of the Nation's barley acreage had reached the headed stage by July 5, twelve percentage points ahead of the previous year but 7 percentage points behind the 5-year average. 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, sixty-four percent of the Nation's soybean acreage had reached the blooming stage, 29 percentage points ahead of the previous year and 7 percentage points ahead of 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. Nationally, 25 percent of the Nation's soybean acreage had begun setting pods by July 19, nineteen percentage points ahead of the previous year and 4 percentage points ahead of 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 the previous 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. By August 2, ninety-two percent of the Nation's corn acreage had reached the silking stage, 20 percentage points ahead of the previous year and 5 percentage points ahead of 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 the previous year but 1 percentage point behind 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.

August: Temperatures were warmer than average for much of the Nation. Parts of the Pacific Northwest, Rocky Mountains, and Southwest recorded temperatures 4°F or more above normal for the month. In contrast, parts of the Midwest, Mississippi Valley, and Southern Great Plains, were cooler than normal. Most of the western half of the Nation remained dryer than normal. However, above normal precipitation fell on large parts of the Great Lakes, Mid-Atlantic, Mississippi Valley, Northeast, Northern Great Plains, and Southeast. Due in large part to the effects of Tropical Storm Marco and Hurricane Laura, parts of the Delta, Gulf Coast, and Mid-Atlantic recorded 10 inches or more of rain for

the month. By August 2, ninety-two percent of the Nation's corn acreage had reached the silking stage, 20 percentage points ahead of the previous 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 the previous year and 6 percentage points ahead of the 5-year average. By August 16, barley producers harvested 34 percent of the Nation's barley acreage, 8 percentage points ahead of the previous year but 19 percentage points behind the 5-year average. On August 16, seventy-seven percent of the Nation's barley acreage was rated in good to excellent condition, 4 percentage points above the same time in 2019. By August 16, thirty percent of the spring wheat had been harvested, 16 percentage points ahead of the previous year but 13 percentage points behind the 5-year average. Harvest progress advanced 20 percentage points or more in Idaho, Montana, and South Dakota. On August 16, seventy percent of the Nation's spring wheat was rated in good to excellent condition, unchanged from the same time in 2019. By August 16, eighty-three percent of the Nation's sorghum acreage was headed, 12 percentage points ahead of the previous year and 3 percentage points ahead of the 5-year average. By August 16, eighty-six percent of the Nation's rice acreage was headed, 1 percentage point ahead of the previous year but 5 percentage points behind the 5-year average. Seventy-four percent of the Nation's oat acreage had been harvested by August 16, seventeen percentage points ahead of the previous year and 1 percentage point ahead of the 5-year average. By August 16, ninety-six percent of the Nation's soybean acreage had reached the blooming stage, 8 percentage points ahead of the previous year and 2 percentage points ahead of the 5-year average. By August 30, ninety-five percent of the Nation's soybean acreage was setting pods, 11 percentage points ahead of the previous year and 2 percentage points ahead of the 5-year average. By August 30, ninety-three percent of the Nation's cotton acreage was setting bolls, 2 percentage points behind both the previous year and the 5-year average.

September: Average monthly temperatures were warmer than average for most of the western third of the Nation. Parts of California, the Pacific Northwest, the northern Rockies, and the Southwest recorded temperatures 4°F or more above normal for the month. In contrast, large parts of the Great Lakes, the Great Plains, the Mid-Atlantic, and Texas were cooler than normal. Pockets in Kansas, Oklahoma, and Texas recorded temperatures 4°F or more below normal. Most of the western half of the nation remained drier than normal for the month, as did most of the Northeast. However, above normal precipitation fell on large parts of the Corn Belt, the Delta, the Mid-Atlantic, Oklahoma, the Southeast, and Texas. Due to the effects of Hurricane Sally, parts of the Florida Panhandle recorded 15 inches or more of rain for the month. By September 6, seventy-nine percent of this year's crop acreage was denting, 28 percentage points ahead of the previous year and 8 percentage points ahead of the 5-year average. Fifty-nine percent of the Nation's corn acreage was mature by September 20, thirty-three percentage points ahead of the previous year and 10 percentage points ahead of the 5-year average. By September 6, barley producers had harvested 85 percent of the Nation's barley crop, 6 percentage points ahead of the previous year but 5 percentage points behind the 5-year average. By September 6, eighty-two percent of the spring wheat was harvested, 16 percentage points ahead of the previous year but 5 percentage points behind the 5-year average. Ninety-six percent of the Nation's oat acreage was harvested by September 6, eight percentage points ahead of the previous year and 2 percentage points ahead of the 5-year average. . Nationally, 47 percent of the rice acreage was harvested by September 20, eight percentage points behind the previous year and 12 percentage points behind the 5-year average. As of September 20, seventy-four percent of the Nation's rice acreage was rated in good to excellent condition, 5 percentage points above the same time in 2019. Soybeans leaves dropping advanced to 59 percent complete Nationally by September 20, thirty percentage points ahead of the previous year and 9 percentage points ahead of the 5-year average. Ninety-two percent of the Nation's sorghum acreage was at or beyond the coloring stage by September 20, five percentage points ahead of the previous year and 3 percentage points ahead of the 5-year average. Nationwide, producers had sown 35 percent of the intended 2021 winter wheat acreage by September 27, one percentage point ahead of the previous year and 2 percentage points ahead of the 5-year average. By September 20, fifty-seven percent of the Nation's cotton had open bolls, 4 percentage points behind last year but 2 percentage points ahead of the 5-year average.

October: Most of the Nation's midsection was cooler than average during the month. Parts of the Great Lakes, Northern Plains, and Northern Rockies recorded temperatures 6°F or more below normal for the month. In contrast, most of the western United States experienced above normal temperatures for the month. Parts of California, the Pacific Northwest, and Southwest recorded temperatures 6°F or more above normal. In the Eastern third of the Nation, generally warmer than normal temperatures were recorded. Parts of the Mid-Atlantic and Southeast recorded temperatures 4°F or more above normal. With the exception of parts of the Pacific Northwest and the Northern Rockies, the western half of the Nation remained drier than normal for the month of October. In the eastern half of the Nation, Hurricanes Delta and Zeta, both making landfall in coastal Louisiana, helped to bring higher than normal amounts of precipitation to the Mid-Atlantic, the Mississippi Valley, and the Southeast. Parts of these regions received 7 inches or more of rain for the

month. Soybean harvest across the Nation was 75 percent complete by October 18, thirty-five percentage points ahead of the previous year and 17 percentage points ahead of the 5-year average. Forty-one percent of the Nation's peanut acreage had been harvested as of October 18, twenty-three percentage points behind the previous year and 14 percentage points behind the 5-year average. As of October 25, sixty-four percent of the Nation's peanut acreage was rated in good to excellent condition, 10 percentage points above the same time in 2019. Nationally, 91 percent of the rice acreage had been harvested by October 18, equal to the previous year but 2 percentage points behind the 5-year average. Sixty percent of the 2020 corn acreage had been harvested by October 18, thirty-two percentage points ahead of the previous year and 17 percentage points ahead of the 5-year average harvest pace. As of October 18, sixty-one percent of the Nation's corn acreage was rated in good to excellent condition, 5 percentage points above the same time in 2019. Sixty-three percent of the 2020 sorghum acreage had been harvested by October 18, seventeen percentage points ahead of the previous year and 12 percentage points ahead of the 5-year average. Nationwide, producers had sown 77 percent of the intended 2021 winter wheat acreage by October 18, three percentage points ahead of the previous year and 5 percentage points ahead of the 5-year average. By November 1, fifty-two percent of the Nation's cotton acreage had been harvested, 1 percentage point ahead of the previous year and 3 percentage points ahead of the 5-year average. As of November 1, thirty-seven percent of the 2020 cotton acreage was rated in good to excellent condition, 3 percentage points below the same time in 2019. By October 18, sugarbeet producers had harvested 83 percent of the Nation's crop, 44 percentage points ahead of the previous year and 21 percentage points ahead of the 5-year average.

November: Most of the Nation was warmer than average during the month. Parts of the Great Lakes, Northern Plains, Rockies, Southeast, and Texas recorded temperatures 6°F or more above normal for the month. In contrast, parts of Idaho and the Pacific Northwest were moderately cooler than normal. While much of the Nation remained drier than normal for the month of November, above normal amounts of precipitation were recorded in parts of the Delta, Great Lakes, Mid-Atlantic, Midwest, Pacific Northwest, Great Plains, Northern Rockies, Southeast, and South Texas. Parts of Southern Florida, the Mid-Atlantic, the Pacific Northwest, and pockets in the Northern Rockies recorded 7 inches or more of precipitation for the month. Nationwide, producers had sown 96 percent of the intended 2021 winter wheat acreage by November 15, two percentage points ahead of both last year and the 5-year average. Nationwide, 85 percent of the winter wheat acreage had emerged by November 15, three percentage points ahead of last year and 1 percentage point ahead of the 5-year average. As of November 29, forty-six percent of the 2021 winter wheat acreage was reported in good to excellent condition, 6 percentage points below the same time in 2019. By November 1, sugarbeet producers had harvested 95 percent of the Nation's crop, 28 percentage points ahead of the previous year and 11 percentage points ahead of the 5-year average. Soybean harvest across the Nation was 96 percent complete by November 15, seven percentage points ahead of the previous year and 3 percentage points ahead of the 5-year average. Eighty-five percent of the Nation's peanut acreage had been harvested as of November 15, seven percentage points behind the previous year and 4 percentage points behind the 5-year average. Ninety-five percent of the 2020 corn acreage had been harvested by November 15, twenty-two percentage points ahead of the previous year and 8 percentage points ahead of the 5-year average harvest pace. Ninety-seven percent of the Nation's sorghum acreage had been harvested by November 22, one percentage point ahead of the previous year and 5 percentage points ahead of the 5-year average. By November 29, eighty-four percent of the Nation's cotton acreage had been harvested, 2 percentage points ahead of last year and 5 percentage points ahead of the 5-year average. By November 29, ninety-seven percent of the Nation's sunflower crop had been harvested, 35 percentage points ahead of the previous year and 10 percentage points ahead of the 5-year average.

Crop Comments

Corn: Corn for grain production in the United States was estimated at 14.2 billion bushels, up 4 percent from the 2019 estimate. The average yield in the United States was estimated at 172.0 bushels per acre, 4.5 bushels above the 2019 yield of 167.5 bushels per acre.

Estimated yields in 2020 were up from the previous year across most of the Northern Plains and Eastern Corn Belt. Record yields were estimated in Georgia, Kentucky, New Mexico, Oregon, and South Dakota.

Corn planted area, at 90.8 million acres, was up 1 percent from the 2019 estimate. Area harvested for grain was estimated at 82.5 million acres, up 1 percent from the 2019 estimate.

The 2020 corn objective yield data indicated the fourth highest number of ears per acre, since 2012, for the combined 10 objective yield States (Iowa, Illinois, Indiana, Kansas, Minnesota, Missouri, Nebraska, Ohio, South Dakota, and Wisconsin).

Corn silage production was estimated at 138 million tons for 2020, up 3 percent from the 2019 estimate. The United States silage yield was estimated at 20.5 tons per acre, up 0.3 ton from 2019. Area harvested for silage was estimated at 6.72 million acres, up 2 percent from the 2019 estimate.

By April 12, producers planted 3 percent of the Nation's corn crop, equal to the previous year but 1 percentage point behind the 5-year average. By April 26, producers planted 27 percent of the Nation's corn acreage, 15 percentage points ahead of the previous 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 the previous year but 1 percentage point behind the 5-year average.

By May 3, producers planted 51 percent of the Nation's corn acreage, 30 percentage points ahead of the previous 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 the previous year but 2 percentage points behind the 5-year average. By May 17, producers had planted 80 percent of the Nation's corn acreage, 36 percentage points ahead of the previous 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 the previous year and 3 percentage points ahead of average. By May 31, producers planted 93 percent of the Nation's corn acreage, 29 percentage points ahead of the previous year and 4 percentage points ahead of the 5-year average. Seventy-eight percent of the Nation's corn acreage was emerged by May 31, thirty-six percentage points ahead of the previous 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 planted 97 percent of the Nation's corn acreage, 19 percentage points ahead of the previous year and 3 percentage points ahead of the 5-year average. Eighty-nine percent of the Nation's corn acreage was emerged by June 7, thirty-two percentage points ahead of the previous year and 5 percentage points ahead of average. By June 21, two percent of the Nation's corn acreage had reached the silking stage, one percentage point ahead of the previous year but equal to the 5-year average. On June 21, seventy-two percent of the Nation's corn acreage was rated in good to excellent condition, 16 percentage points above the same time as 2019.

By July 5, ten percent of the Nation's corn acreage had reached the silking stage, 3 percentage points ahead of the previous 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, 29 percentage points ahead of the previous year and 5 percentage points ahead of the 5-year average. By July 19, nine percent of the Nation's corn acreage was at or beyond the dough stage, 5 percentage points ahead of the previous year and 2 percentage points ahead of the 5-year average. By July 26, eighty-two percent of the Nation's corn acreage had reached the silking stage, 31 percentage points ahead of the previous 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 the previous year and 5 percentage points ahead of the 5-year 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 as the previous year.

By August 2, ninety-two percent of the Nation's corn acreage had reached the silking stage, 20 percentage points ahead of the previous 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 the previous year and 6 percentage points ahead of the 5-year average. By August 16, seventy-six percent of the corn acreage was at or beyond the dough stage, 26 percentage points ahead of the previous year and 7 percentage points ahead of the 5-year average. By August 16, twenty-three percent of this year's acreage was denting, 10 percentage points ahead of the previous year but 1 percentage point behind the 5-year average. By August 30, ninety-four percent of the corn acreage was at or beyond the dough stage, 16 percentage points ahead of the previous year and 5 percentage points ahead of the 5-year average. By August 30, sixty-three percent of this year's acreage was denting, 26 percentage points ahead of the previous year and 7 percentage points ahead of the 5-year average. Twelve percent of the Nation's corn was mature by August 30, seven percentage points ahead of the previous year and 2 percentage points ahead of the 5-year average. Based on conditions as of

August 30, sixty-two percent of the Nation's corn acreage was rated in good to excellent condition, 4 percentage points above the same time as the previous year.

By September 6, ninety-seven percent of the corn acreage was at or beyond the dough stage, 10 percentage points ahead of the previous year and 3 percentage points ahead of the 5-year average. By September 6, seventy-nine percent of last year's crop acreage was denting, 28 percentage points ahead of the previous year and 8 percentage points ahead of the 5-year average. Twenty-five percent of the Nation's corn was mature by September 6, fifteen percentage points ahead of the previous year and 6 percentage points ahead of the 5-year average. Fifty-nine percent of the Nation's corn was mature by September 20, thirty-three percentage points ahead of the previous year and 10 percentage points ahead of 5-year average. Eight percent of the 2020 acreage was harvested by September 20, two percentage points ahead of the previous year but 2 percentage points behind the 5-year average harvest pace. Seventy-five percent of the Nation's corn acreage was mature by September 27, thirty-six percentage points ahead of the previous year and 10 percentage points ahead of the 5-year average. Fifteen percent of the 2020 acreage was harvested by September 27, five percentage points ahead of the previous year but 1 percentage point behind the 5-year average.

Eighty-seven percent of the Nation's corn acreage was mature by October 4, thirty-three percentage points ahead of the previous year and 9 percentage points ahead of the 5-year average. Twenty-five percent of the Nation's corn acreage was harvested by October 4, eleven percentage points ahead of the previous year and 1 percentage point ahead of the 5-year average harvest pace. Ninety-seven percent of the Nation's corn acreage was mature by October 18, fifteen percentage points ahead of the previous year and 3 percentage points ahead of the 5-year average. Sixty percent of the Nation's corn acreage had been harvested by October 18, thirty-two percentage points ahead of the previous year and 17 percentage points ahead of the 5-year average. By October 18, sixty-one percent of the Nation's corn was rated in good to excellent condition, 5 percentage points above the same time in 2019. Seventy-two percent of the Nation's corn acreage had been harvested by October 25, thirty-four percentage points ahead of the previous year and 16 percentage points ahead of the 5-year average.

Eighty-two percent of the Nation's corn acreage had been harvested by November 1, thirty-three percentage points ahead of the previous year and 13 percentage points ahead of the 5-year average. Ninety-five percent of the Nation's corn acreage had been harvested by November 15, twenty-two percentage points ahead of the previous year and 8 percentage points ahead of the 5-year average pace.

Sorghum: Grain production in 2020 was estimated at 373 million bushels, up 9 percent from the 2019 total. Planted area for 2020 was estimated at 5.88 million acres, up 12 percent from 2019. Area harvested for grain, at 5.10 million acres, was up 9 percent from 2019. Grain yield was estimated at 73.2 bushels per acre, up 0.2 bushel from 2019.

Silage production was estimated at 3.13 million tons, down 22 percent from 2019. Area harvested for silage was estimated at 239,000 acres, down 29 percent from the previous year. Silage yield averaged 13.1 tons per acre, up 1.2 ton per acre from 2019.

Oats: Production in 2020 was estimated at 65.4 million bushels, up 23 percent from 2019. Yield was estimated at 65.1 bushels per acre, up 0.8 bushel from the previous year. Harvested area, at 1.00 million acres, was 21 percent above 2019. Record low acres were harvested in Ohio. A record high yield was estimated in Idaho.

Nationally, oat producers seeded 67 percent of the 2020 acreage by May 3, nineteen percentage points ahead of the previous year but equal to the 5-year average. Sixty-nine percent of the oat acreage was emerged by May 17, nineteen percentage points ahead of the previous year but 1 percentage point behind the 5-year average. Heading of the oat acreage advanced to 74 percent complete by June 28, twenty percentage points ahead of the previous year but 1 percentage point behind the 5-year average. Oat producers harvested 49 percent of the acreage by August 3, twenty percentage points ahead of the previous year and 6 percentage points ahead of the 5-year average. At that time, harvest progress was at or ahead of the 5-year average in 7 of the 9 weekly *Crop Progress* estimating States. Ninety-one percent of the Nation's oat acreage was harvested by August 31, ten percentage points ahead of the previous year and 1 percentage point ahead of the 5-year average.

Barley: Production was estimated at 165 million bushels, down 4 percent from the revised 2019 total of 172 million bushels. The average yield, at 77.5 bushels per acre, was down 0.2 bushel from the previous year. Producers seeded 2.62 million acres in 2020, down 5 percent from 2019. Harvested area, at 2.13 million acres, was down 4 percent from 2019.

Record high yields were estimated in Colorado, Idaho, Montana, New York, and Washington.

Twelve percent of the Nation's barley acreage was planted by April 12, six percentage points ahead of the previous year but 3 percentage points behind the 5-year average. Nationwide, barley producers seeded 24 percent of the Nation's acreage by April 26, one percentage point behind the previous year and 12 percentage points behind the 5-year average. By April 26, emergence was evident in 8 percent of the Nation's barley acreage, 3 percentage points ahead of the previous year but 3 percentage points behind the 5-year average. Nationally, 93 percent of the barley acreage was sown by May 31, one percentage point ahead of the previous year but 3 percentage points behind the 5-year average. Seventy-four percent of the barley acreage emerged by May 31, six percentage points ahead of the previous year but 7 percentage points behind the 5-year average. Heading of the Nation's barley acreage advanced to 60 percent complete by July 5, twelve percentage points ahead of the previous year but 7 percentage points behind the 5-year average. By August 2, barley producers harvested 5 percent of the Nation's acreage, 2 percentage points ahead of the previous year but 7 percentage points behind the 5-year average. Overall, 79 percent of the barley acreage was reported in good to excellent condition on August 9, compared with 74 percent at the same time last year. By September 13, ninety-five percent of the barley acreage was harvested, 9 percentage points ahead of the previous year and one percentage point ahead of the 5-year average.

All wheat: Production totaled 1.83 billion bushels in 2020, down 5 percent from the 2019 total of 1.93 billion bushels. Area harvested for grain totaled 36.7 million acres, down 2 percent from the previous year. The United States yield was estimated at 49.7 bushels per acre, down 2.0 bushels from the previous year. The levels of production and changes from 2019 by type were: winter wheat, 1.17 billion bushels, down 11 percent; other spring wheat, 586 million bushels, up 4 percent; and Durum wheat, 68.8 million bushels, up 28 percent.

Winter wheat: Winter wheat production for 2020 totaled 1.17 billion bushels, down 11 percent from the 2019 total of 1.32 billion bushels. The United States yield, at 50.9 bushels per acre, was down 2.7 bushels from 2019. Area harvested for grain was estimated at a record low 23.0 million acres, down 6 percent from the previous year. A record low harvested acreage is estimated in California. Record high yields were estimated in Idaho, Montana, New Jersey, Oklahoma, and South Dakota for 2020.

Compared with 2019, harvested acreage was down 11 percent in the major Hard Red Winter (HRW) growing States, the primary winter wheat-producing area. HRW production totaled 659 million bushels, down 22 percent from 2019.

In the Soft Red Winter (SRW) growing area, planted and harvested acreage increased from 2019. SRW production totaled 266 million bushels, up 11 percent from 2019.

White winter wheat production totaled 246 million bushels, up 6 percent from the previous year. Harvested acreage in the Pacific Northwest (Idaho, Oregon, and Washington) was up 1 percent from 2019. Yields were up in Idaho and Washington but down in Oregon compared with the previous year.

Seeding of the 2020 winter wheat acreage began in mid-September 2019 with 8 percent sown by September 15. By October 6, producers had sown 52 percent of the intended 2020 winter wheat acreage, 3 percentage points behind the previous year and 1 percentage point behind the 5-year average. Nationwide, 26 percent of the winter wheat acreage was emerged by October 6, two percentage points behind the previous year but equal to the 5-year average. Emergence was at or behind the 5-year average in 11 of the 18 estimating States. Producers had sown 85 percent of the intended 2020 winter wheat acreage by October 27, eight percentage points ahead of the previous year and 3 percentage points ahead of the 5-year average. Winter wheat planting had double-digit advances in 7 of the 18 estimating States during the week. Nationwide, 63 percent of the winter wheat acreage had emerged by October 27, one percentage point ahead of the previous year but 1 percentage point behind the 5-year average. Emergence was at or behind the 5-year average in 11 of the 18 estimating States. Overall, 56 percent of the 2020 winter wheat acreage was reported in good to excellent condition based on conditions as of October 27, compared with 53 percent at the same time the previous year.

Seeding of the 2020 acreage was nearing completion (95 percent) by November 17, three percentage points ahead of the previous year but equal to the 5-year average. Winter wheat planting was complete or nearing completion in 13 of the 18 estimating States. Nationwide, 87 percent of the winter wheat acreage had emerged by November 24, two percentage points ahead of the previous year but 3 percentage points behind the 5-year average. Winter wheat emergence advanced by 10 percentage points or more from the previous week in California and North Carolina. Overall, 52 percent of the 2020 winter wheat acreage was reported in good to excellent condition for the week ending November 24, unchanged from the previous week but 3 percentage points below the same time the previous year as the acreage was entering dormancy.

As the acreage was emerging from dormancy, sixty-two percent of the 2020 winter wheat acreage was reported in good to excellent condition, 2 percentage points above the previous year as of April 5. In Kansas, the largest winter wheat-producing State, 49 percent of the winter wheat acreage was rated in good to excellent condition. By April 19, fourteen percent of the Nation's winter wheat acreage was headed, 6 percentage points ahead of the previous year but 1 percentage point behind the 5-year average. On April 19, fifty-seven percent of the 2020 winter wheat acreage was reported in good to excellent condition, 5 percentage points behind both the previous week and the previous year. In Kansas, the largest winter wheat-producing State, 46 percent of the winter wheat acreage was rated in good to excellent condition.

By May 3, thirty-two percent of the Nation's winter wheat acreage was headed, 6 percentage points ahead of the previous year but 6 percentage points behind the 5-year average. On May 3, fifty-five percent of the 2020 winter wheat acreage was reported in good to excellent condition, 1 percentage point higher than the previous week but 9 percentage points below the same time the previous year. In Kansas, the largest winter wheat-producing State, 42 percent of the winter wheat acreage was rated in good to excellent condition. By May 31, seventy-seven percent of the Nation's winter wheat acreage was headed, 4 percentage points ahead of the previous year but 4 percentage points behind the 5-year average. Three percent of the 2020 winter wheat acreage was harvested by May 31, two percentage points ahead of the previous year and 1 percentage point ahead of the 5-year average. As of May 31, fifty-one percent of the 2020 winter wheat acreage was reported in good to excellent condition, 3 percentage points below the previous week and 13 percentage points below the same time the previous year. In Kansas, the largest winter wheat-producing State, 42 percent of the winter wheat acreage was rated in good to excellent condition. Forty-one percent of the 2020 winter wheat acreage was harvested by June 28, fifteen percentage points ahead of the previous year but equal to the 5-year average. As of June 28, fifty-two percent of the 2020 winter wheat acreage was reported in good to excellent condition, unchanged from the previous week but 11 percentage points below the same time the previous year.

In Kansas, the largest winter wheat-producing State, 80 percent of the State's winter wheat acreage was harvested by July 5, twenty-eight percentage points ahead of the previous year and 4 percentage points ahead of the 5-year average. Sixty-eight percent of the 2020 winter wheat acreage had been harvested by July 12, fourteen percentage points ahead of the previous year and 2 percentage points ahead of the 5-year average. In Kansas, 95 percent of the State's winter wheat acreage was harvested by July 12, twenty percentage points ahead of the previous year and 5 percentage points ahead of the 5-year average. Eighty-one percent of the 2020 winter wheat acreage had been harvested by July 26, eight percentage points ahead of the previous year but 1 percentage point behind the 5-year average. Winter wheat harvest progress continued with advances of 20 percentage points or more from the previous week reported in Michigan, Oregon, and South Dakota.

Ninety-three percent of the 2020 winter wheat acreage had been harvested by August 16, one percentage point ahead of the previous year but 3 percentage points behind the 5-year average. Winter wheat harvest progress was complete or nearing completion in all estimating States except Idaho, Montana, Oregon, and Washington.

Ninety-seven percent of the 2020 winter wheat acreage had been harvested by August 23, two percentage points ahead of the previous year but 1 percentage point behind the 5-year average. Winter wheat harvest progress was complete or nearing completion in all estimating States except Idaho, Montana, and Washington.

Other spring wheat: Production for 2020 was estimated at 586 million bushels, up 4 percent from the revised 2019 total of 561 million bushels. Harvested area totaled 12.1 million acres, up 4 percent from 2019. The United States yield was

estimated at a record high 48.6 bushels per acre, up 0.3 bushel from the previous record high of 48.3 bushels per acre in 2019. A record high yield was estimated in Montana and North Dakota for 2020. Of the total production, 530 million bushels were Hard Red Spring wheat, up 2 percent from the 2019 total.

Seeding of the 2020 spring wheat acreage began in early April. Fourteen percent of the spring wheat acreage was seeded by April 26, three percentage points ahead of the previous year but 15 percentage points behind the 5-year average. As of April 26, Washington and Idaho led the Nation in planting progress with 88 percent and 61 percent planted, respectively. By April 26, four percent of the Nation's spring wheat acreage had emerged, equal to the previous year but 3 percentage points behind the 5-year average.

As of May 10, forty-two percent of the spring wheat acreage was seeded, 4 percentage points ahead of the previous year but 21 percentage points behind the 5-year average. Washington and Idaho had the largest percentages of acres planted, with 96 percent and 92 percent planted, respectively. As of May 10, sixteen percent of the Nation's spring wheat acreage had emerged, 8 percentage points ahead of the previous year but 13 percentage points behind the 5-year average. As of May 24, eighty-one percent of the spring wheat acreage was seeded, 1 percentage point ahead of the previous year but 9 percentage points behind the 5-year average. As of May 24, fifty-one percent of the Nation's spring wheat acreage had emerged, 10 percentage points ahead of the previous year but 14 percentage points behind the 5-year average.

As of June 7, ninety-seven percent of the spring wheat acreage had been seeded, 1 percentage point ahead of the previous year but 2 percentage points behind the 5-year average. As of June 7, eighty-one percent of the Nation's spring wheat acreage had emerged, 1 percentage point ahead of the previous year but 10 percentage points behind the 5-year average. Eighty-two percent of the Nation's spring wheat was rated in good to excellent condition, 2 percentage points above the previous week and 1 percentage point above the same time the previous year. By June 21, twelve percent of the Nation's spring wheat acreage had reached the headed stage, 6 percentage points ahead of the previous year but 10 percentage points behind the 5-year average. Seventy-five percent of the Nation's spring wheat was rated in good to excellent condition, 6 percentage points below the previous week but equal to the same time the previous 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. Seventy percent of the Nation's spring wheat was rated in good to excellent condition, 1 percentage point above the previous week but 8 percentage points below the same time the previous year. 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 July 26, one percent of the spring wheat had been harvested, equal to the previous year but 2 percentage points behind the 5-year average. Seventy percent of the Nation's spring wheat was rated in good to excellent condition, 2 percentage points above the previous week but 3 percentage points below the same time the previous year.

By August 9, fifteen percent of the spring wheat had been harvested, 9 percentage points ahead of the previous year but 10 percentage points behind the 5-year average. Harvest progress was behind the 5-year average in 5 of the 6 estimating States. Sixty-nine percent of the Nation's spring wheat was rated in good to excellent condition, 4 percentage points below the previous week but unchanged from the same time the previous year. By August 30, sixty-nine percent of the spring wheat had been harvested, 19 percentage points ahead of the previous year but 8 percentage points behind the 5-year average. Harvest progress advanced 20 percentage points or more in Idaho, Minnesota, and North Dakota.

By September 6, eighty-two percent of the spring wheat was harvested, 16 percentage points ahead of the previous year but 5 percentage points behind the 5-year average. Harvest progress advanced 10 percentage points or more in 4 of the 6 estimating States during the week. Harvest of the 2020 acreage was 96 percent complete by September 20.

Durum wheat: Production for 2020 was estimated at 68.8 million bushels, up 28 percent from the 2019 total of 54.0 million bushels. Area harvested for grain totaled 1.66 million acres, up 41 percent from the previous year. The United States yield was estimated at 41.4 bushels per acre, down 4.4 bushels from the 2019 yield. Record high yields were estimated in Idaho for 2020. Production in North Dakota, the largest Durum wheat-producing State, was up 36 percent from 2019. Increases in production are attributed to increases in harvested acres across the Nation. Harvest began in the two major Durum-wheat producing States of Montana and North Dakota in early August. Harvest was 80 percent complete in Montana and 86 percent complete in North Dakota by September 13.

Rice: Production in 2020 totaled 228 million cwt, up 23 percent from the 2019 total. Planted area for 2020 was estimated at 3.04 million acres, up 19 percent from 2019. Area harvested, at 2.99 million acres, was up 21 percent from the previous crop year. The average yield for all rice for the Nation was estimated at 7,619 pounds per acre, up 146 pounds from the 2019 average yield of 7,473 pounds per acre.

Yields increased from the previous year in all States except Missouri. Record yield for Mississippi.

Rye: Production for 2020 was estimated at 11.5 million bushels, up 9 percent from the 2019 total. Harvested area totaled 330,000 acres, up 20,000 acres from 2019. The United States yield, at 34.9 bushels per acre, was up 0.6 bushel from the previous year.

Proso millet: Production of proso millet in 2020 totaled 9.21 million bushels, down 45 percent from the 2019 production of 16.6 million bushels. Area planted to proso millet in the United States was estimated at 609,000 acres, up 103,000 acres (or 20 percent) from 2019. Area harvested in the United States, at 484,000 acres, was up 19,000 acres (or 4 percent) from the 2019 harvested estimate. The average yield for 2019 was estimated at 19.0 bushels per acre, down 16.7 bushels from 2019.

All hay: Production of all dry hay for 2020 was estimated at 126.8 million tons, down 2 percent from the 2019 total. Area harvested was estimated at 52.2 million acres, down less than 1 percent from 2019. The average yield, at 2.43 tons per acre, was down 0.03 ton from 2019.

The Four Corners region started the year rather dry. As the year progressed, the dryness expanded in area and severity covering a region of the country reaching from Texas to Washington. Meanwhile, the Eastern half of the Nation set a record of twelve tropical storms making landfall in 2020. Six storms of those twelve storms reached hurricane status. Tropical storm precipitation covered a swath of the United States ranging from Texas to Virginia.

Alfalfa and alfalfa mixtures: Production in 2020 was estimated at 53.1 million tons, down 3 percent from the 2019 total. Harvested area, at 16.2 million acres, was 3 percent below 2019. Harvested area has been trending lower, but has leveled off in recent years. Average yield was estimated at 3.27 tons per acre, down 0.01 ton from 2019.

Record high yields were estimated in California and Idaho. Record low yield was estimated in Massachusetts.

All other hay: Production in 2020 totaled 73.7 million tons, down less than 1 percent from the 2019 total. Harvested area, at 36.0 million acres, was up 1 percent from 2019. Average yield was estimated at 2.05 tons per acre, down 0.02 ton from 2019. This is the fifth highest yield on record, with four of the five occurring in the last six years.

Record high yields were estimated in Alabama, Arizona, Georgia, Idaho, Nevada, and Utah.

Forage: In 2020, seventeen States were included in the forage estimation program, which measures annual production of forage crops. Haylage and greenchop production was converted to 13 percent moisture and combined with dry hay production to derive the total forage production. The total 2020 all haylage and greenchop production was 29.3 million tons, of which 18.7 million tons were from alfalfa and alfalfa mixtures. The 17 State total for all forage production was 82.3 million tons. Of this total, 42.0 million tons were produced from alfalfa and alfalfa mixtures.

New seedings of alfalfa and alfalfa mixtures: Growers seeded 2.18 million acres of alfalfa and alfalfa mixtures during 2020, down 12 percent from 2019. New seedings of alfalfa and alfalfa mixtures are normally harvested for the first time in the year following planting.

Peanuts: Production was estimated at 6.13 billion pounds, up 12 percent from 2019. Planted area was estimated at 1.66 million acres, up 16 percent from 2019. Harvested area was estimated at 1.62 million acres, up 16 percent from 2019. The average yield was estimated at 3,796 pounds per acre, down 138 pounds from 2019.

Record high production was estimated in Arkansas. Record high yields were estimated in Mississippi and Oklahoma.

Canola: Production in 2020 was estimated at 3.45 billion pounds, up 2 percent from 2019 and represents the second largest total on record for the Nation. The average yield, at a record high 1,931 pounds per acre, is up 150 pounds from last year's average. Planted area was estimated at 1.83 million acres, 11 percent below the previous year's acreage. Harvested area, at 1.79 million acres, was down 6 percent from 2019.

Production in North Dakota, the leading canola-producing State, was estimated at 2.92 billion pounds. This represents the second largest production for North Dakota on record, trailing 2018's record production by 6 percent. Planted and harvested area in North Dakota were down 11 percent and 7 percent, respectively, from 2019's record high planted and harvested area.

Planted and harvested area in Montana and Washington for 2020 were both record highs. Whereas, planted and harvested area in Kansas and Oklahoma were both record lows. Record high yields were estimated in North Dakota and Washington.

Sunflower: The 2020 sunflower production totaled 2.98 billion pounds, up 52 percent from 2019. The United States average yield per acre of 1,790 pounds increased 230 pounds from 2019. Planted area, at 1.72 million acres, was 27 percent above the previous year. Area harvested increased 33 percent from 2019 to 1.67 million acres.

North Dakota, the leading sunflower-producing State during 2020, produced 1.34 billion pounds, an increase of 79 percent from 2019. Compared with 2019, planted area in North Dakota increased 37 percent and yield increased 356 pounds to 1,872 pounds per acre. Meanwhile, production in South Dakota increased 40 percent from 2019 to 1.17 billion pounds. Planted acreage in South Dakota, at 622 million acres, increased 17 percent from the previous year. The average yield in South Dakota increased 216 pounds from 2019 to 1,910 pounds per acre.

United States production of oil-type sunflower varieties, at 2.62 billion pounds, increased 48 percent from 2019. Compared with the previous year, harvested acres were up 28 percent and the average yield increased by 241 pounds to 1,802 pounds per acre.

Production of non-oil sunflower varieties was estimated at 365 million pounds, an increase of 92 percent from 2019. Area harvested, at 213,200 acres, was up 74 percent from 2019. The average yield increased by 157 pounds from 2019 to 1,712 pounds per acre.

Harvest of sunflowers began the last week of September and progressed ahead of the previous year and normal throughout October in the Dakotas. As of October 25, fifty percent of the crop was harvested, 35 percentage points ahead of the previous year and 13 percentage points ahead of the 5-year average. By November 29, harvest progress Nationally had reached 97 percent complete, 35 percentage points ahead of the previous year and 10 percentage points ahead of the 5-year average.

Soybeans: Production in 2020 totaled 4.14 billion bushels, up 16 percent from 2019. The average yield was estimated at 50.2 bushels per acre, 2.8 bushels above 2019. Planted area for the Nation, at 83.1 million acres, was up 9 percent from the 2019 planted acreage. Soybean growers harvested 82.3 million acres, up 10 percent from 2019.

Record high yields occurred in Indiana, Kentucky, Mississippi, Missouri, New Jersey, and Tennessee.

The 2020 soybean objective yield survey data indicated that final average pod counts were higher than 2019 in the combined eleven objective yield States. Compared with final counts for 2019, pod counts were up in 10 of the 11 published States. An increase of more than 200 pods per 18 square feet from 2019's final pod count occurred in Illinois, Indiana, Iowa, Minnesota, Nebraska, North Dakota, Ohio, and South Dakota.

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 the previous 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 the

previous 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 the previous 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 the previous 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 the previous 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 the previous 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 the previous 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 the previous year and 5 percentage points ahead of the 5-year average.

As of August 2, fifty-nine percent of the soybean acreage was setting pods, 27 percentage points ahead of the previous year and 5 percentage points ahead of the 5-year average. Eighty-four percent of the acreage was setting pods on August 16, twenty percentage points ahead of the previous year and 5 percentage points ahead of the 5-year average. By August 30, ninety-five percent of the soybean acreage was setting pods, 11 percentage points ahead of the previous year and 2 percentage points ahead of the 5-year average.

As of October 4, eighty-five percent of the United States soybean acreage was at or beyond the leaf dropping stage, 18 percentage points ahead of the previous year and 3 percentage points ahead of the 5-year average. Soybean harvest was 38 percent complete as of October 4, twenty-six percentage points ahead of the previous year and 10 percentage points ahead of the 5-year average. At that time, harvest progress was at or ahead of the respective State 5-year average pace in 10 of the 18 States estimated in the *Crop Progress* report. As of October 4, sixty-four percent of the Nation's soybean acreage was rated in good to excellent condition, 11 percentage points ahead of the same time the previous year.

Soybean harvest was 38 percent complete as of October 4, twenty-six percentage points ahead of the previous year and 10 percentage points ahead of the 5-year average. As of November 1, harvest was 87 percent complete Nationwide, 16 percentage points ahead of the previous year and 4 percentage points ahead of the 5-year average. At that time, harvest progress was at or ahead of the respective State 5-year average pace in 11 of the 18 States estimated in the *Crop Progress* report.

Flaxseed: Production of flaxseed in 2020 totaled 5.71 million bushels, up 1 percent from the previous year's revised production. Harvested area totaled 296,000 acres in 2020, up 4 percent from the previous year's revised harvested acreage. Harvested acreage in North Dakota, the largest flaxseed-producing State, was estimated at 194,000 acres, down 1 percent from 2019. The average United States yield for 2020, at 19.3 bushels per acre, was down 0.5 bushel from 2019.

Safflower: Production of safflower in 2020, at a record low of 148 million pounds, was down 23 percent from 2019. Growers planted 136,000 acres in 2020, a decrease of 18 percent from the previous year and represents the second lowest planted area for the Nation since records began in 1991. Growers in California, the leading safflower-producing State, planted 21,000 acres in 2020, a decline of 36,000 acres from the previous year and represents the lowest planted area on record for California. Harvested area for the Nation, at 126,700 acres, was down 16 percent from 2019 and is the second lowest harvested area on record. The average yield for the Nation, at 1,167 pounds per acre, declined 106 pounds from the 2019 average yield per acre and represents the third lowest yield on record.

A record high yield was estimated in South Dakota.

Other Oilseeds: Mustard seed production for 2020 increased 29 percent from the previous year to 81.8 million pounds. This represents the third largest production for the Nation on record. Planted area, at 97,000 acres, was down just 1,000 acres from 2019. Harvested area, at 91,400 acres, was up 2 percent, or 1,400 acres, from last year. Harvested acreage represented the seventh highest area for the Nation since records began in 1991. The average yield, at 895 pounds per acre, was 189 pounds above the 2019 average yield and represents the eighth highest yield on record.

Rapeseed production was estimated at 19.9 million pounds, down 11 percent from last year's production level but still represents the second largest production for the Nation since records began in 1991. Growers planted 11,200 acres of rapeseed in 2020, a decline of 100 acres from 2019. Harvested area, at 10,100 acres, was down 300 acres from last year. The average yield in 2020 was 1,971 pounds per acre, a decline of 189 pounds from 2019 and is the third highest yield on record.

Cotton: Upland cotton production was estimated at 14.4 million 480-pound bales, down 25 percent from the previous year. The United States yield for Upland cotton is estimated at 813 pounds per acre, up 3 pounds from 2019. Upland planted area, estimated at 11.9 million acres, was down 12 percent from the previous year. Harvested area, at 8.51 million acres, was down 25 percent from the previous year. In Kansas, planted and harvested area were at record highs, while California and New Mexico recorded a record low for harvested acres. Record high yields were estimated in Arkansas for 2020.

In the Southeast States (Alabama, Florida, Georgia, North Carolina, South Carolina, and Virginia), planting was completed by the middle of June. The crop was rated in mostly fair to good condition throughout the growing season. Hurricanes and tropical storms would cause variable yields for the region.

In the Delta region, a rainy planting season was complete by the end of June. Some areas within the region struggled with excessive moisture from hurricanes and tropical storms throughout the season.

In Texas, hot, windy, and dry conditions hampered planting and crop progress. Overall, many growers reported having a very disappointing crop. Cotton in the Lower Valley was damaged by Hurricane Hanna. Many growers had to make decisions about harvesting dryland acreage.

American Pima producers planted 202,500 acres in 2020, down 11 percent from 2019. Harvested area, at 194,500 acres, was down 13 percent from the previous year. Production was estimated at 552 thousand 480-pound bales, down 19 percent from 2019. The United States yield was estimated at 1362 pounds per acre, down 110 pounds from the previous year.

Ginnings totaled 13,002,950 running bales prior to January 1.

Cottonseed: Production for 2020, based on a 3-year average lint-seed ratio, is expected to total 4.59 million tons, down 23 percent from 2019.

Tobacco: United States all tobacco production for 2020 was estimated at 389 million pounds, down 17 percent from the previous year. Growers harvested a record low 198,060 acres, down 13 percent from a year earlier. Yield per acre averaged 1,966 pounds, down 94 pounds per acre from 2019.

Flue-cured tobacco production was estimated at 238 million pounds, down 20 percent from the previous year. Harvested acres totaled 127,900 in 2020, down 14 percent from 2019. Average yield, at 1,858 pounds per acre, was down 132 pounds from 2019.

Sugarbeets: Production for 2020 was estimated at 33.6 million tons, up 17 percent from the previous year's revised production. Growers in the 11 major sugarbeet-producing States planted 1.16 million acres, up 3 percent from the 2019 revised area. Harvested area, at 1.14 million acres, was up 17 percent from the previous year. Estimated yield, at 29.4 tons per acre, was up 0.2 ton from last year.

Sugarcane: Production of sugarcane for sugar and seed in 2020 was estimated at 35.5 million tons, of which 33.7 million tons were utilized for sugar and 1.74 million tons for seed. Total production for sugar and seed was up 11 percent from 2019. Sugarcane producers harvested 940,500 acres for sugar and seed in 2020, up 3 percent from the previous year. Yield for sugar and seed was estimated at 37.7 tons per acre, up 2.7 tons from 2019.

Dry edible beans: United States dry edible bean production was estimated at 33.0 million cwt for 2020, up 59 percent from the previous year for comparable States. Planted area was estimated at 1.74 million acres, up 35 percent from 2019. Harvested area was estimated at 1.68 million acres, up 43 percent from the previous year for comparable States. The average United States yield for dry edible beans for the 2020 season is 1,966 pounds per acre, up 197 from 2019.

Lentils: Production of lentils is estimated at 7.41 million cwt, up 40 percent from a year ago. Planted area, at 528,000 acres, is up 9 percent from last year, while harvested acreage, at 514,000 acres, is up 21 percent from 2019. The average yield is expected to be 1,442 pounds per acre, up 192 pounds from last year.

In Montana, 95 percent of the crop was planted by the week ending June 7, compared to 96 percent for 2019. Harvest reached 95 percent completed by the week ending September 6, well ahead of last year's 82 percent at this time. In North Dakota, harvest started in early August and by the week ending October 18, harvest was 95 percent complete, near 94 percent last year.

Chickpeas: Production of all chickpeas was estimated at 4.27 million cwt, down 32 percent from 2019. Area planted for all chickpeas for the 2020 crop year was estimated at 269,800 acres, down 40 percent from the previous year. Area harvested was estimated at 262,900 acres, 35 percent below 2019. Small chickpea area planted was estimated at 48,400 acres, down 54 percent from 2019. Area harvested for small chickpeas was estimated at 47,900 acres, a 48 percent decline from 2019. Area planted for large chickpeas in 2020 was estimated at 221,400 acres, a 36 percent decline from the previous year. Large chickpea area harvested was estimated at 215,000 acres, a 31 percent decline from 2019.

Dry edible peas: Production of dry edible peas was estimated at 21.7 million cwt, down 2 percent from last year. Planted area, at 1.00 million acres, and harvested area, at 973,000 acres, decreased by 9 percent and 7 percent, respectively. The average United States yield is expected to total 2,234 pounds per acre, up 111 pounds from 2019. This is the highest yield on record since 2004.

In Montana, planting was estimated at 92 percent complete at the end of May, falling behind the previous year at 93 percent. Dry edible pea harvest was estimated at 98 percent the week ending September 6. Comparatively, in 2019, harvest reached 89 percent complete the week ending September 8. In North Dakota, 98 percent of the crop was planted by the week ending June 14, near 96 percent for the prior year. Harvest was 96 percent for the week ending September 20, near 95 percent for 2019.

Potatoes: Production in 2020 was estimated at 414 million cwt, down 2 percent from the 2019 crop. The average yield, at 453 cwt per acre, was unchanged from the previous year. Planted acres, at 921,000 acres, was down 4 percent from last year. Harvested area, at 914,100 acres, was down 2 percent from the previous year.

Growing conditions were nearly ideal for the whole season in the Pacific Northwest. Idaho potato harvest progressed ahead of normal for much of the season, reaching completion by late October. In North Dakota, harvest began in early September, progressing ahead of the previous year due to ideal digging conditions. Harvest was virtually complete by October 11, compared to the year prior when harvest was not complete until late November. In Maine, drought conditions resulted in the lowest yield since 1995 and the lowest production since 1918.

Peppermint oil: Production in 2020 totaled 4.98 million pounds, down 9 percent from the previous year. Harvested area was estimated at 50,100 acres, down 4 percent from 2019. Average yield was estimated at 99 pounds of oil per acre, down 5 pounds from a year earlier.

Spearmint oil: Production totaled 2.13 million pounds in 2020, down 11 percent from the previous year. Harvested area was estimated at 17,700 acres, down 3 percent from a year earlier. The average yield was estimated at 121 pounds of oil per acre, down 10 pounds from 2019.

Hops: Production for Idaho, Oregon, and Washington in 2020 totaled 104 million pounds, down 7 percent from the 2019 crop of 112 million pounds. Combined area harvested for Idaho, Oregon, and Washington in 2020 totaled a record high 58,641 acres, up 4 percent from the 2019 level of 56,544 acres. Harvested acreage increased in Idaho and

Washington but declined in Oregon. The United States hop yield, at 1,770 pounds per acre, was down 211 pounds from the previous year.

Washington produced 71 percent of the United States hop crop for 2020; while Idaho accounted for 17 percent and Oregon accounted for 12 percent. In Washington, CitraR, Columbus/Tomahawk/Zeus, MosaicR, SimcoeR, and Cascade were the five leading varieties, accounting for 54 percent of the State's hop production. In Idaho, Columbus/Tomahawk/Zeus, MosaicR, CitraR, Idaho 7TM, and Chinook were the major varieties, accounting for 68 percent of the State's hop production. In Oregon, CitraR, Nugget, MosaicR, Cascade, and Willamette were the major varieties, accounting for 57 percent of the State's hop production.

Maple syrup: The 2020 United States maple syrup production totaled 4.37 million gallons, up 5 percent from the revised previous season. The number of taps totaled 13.5 million, up 1 percent from the revised 2019 total. Yield per tap was 0.324 gallon, up 0.012 gallon from the revised previous season.

Statistical Methodology

Survey procedures: The estimates in this report are based primarily on surveys conducted the first two weeks of December. The December Agricultural Survey (DAS) is a probability survey that includes a sample of approximately 78,000 farm operators selected from a list of producers that ensures all operations in the United States have a chance to be selected. Data from operators was collected by mail, internet, telephone, or personal interview to obtain information on crop acreage, yield and production for the 2020 crop year.

Estimating procedures: National and State level objective yield and farm operator reported data (DAS) were reviewed for reasonableness and consistency with historical estimates. The survey data were also reviewed considering weather patterns and crop progress compared with previous years. Each Regional Field Office submits an estimate and written analysis for their State to the Agricultural Statistics Board (ASB). The ASB uses the survey data, administrative data, and the State analysis to prepare the estimates published in this report.

Revision policy: Estimates contained in this report may be revised the following year, if new information is available that would justify a change. Estimates will also be reviewed after data for the 5-year Census of Agriculture are available. No revisions will be made after that date.

Reliability: The surveys used to make the acreage, yield, and production estimates contained in this report are subject to sampling and non-sampling type errors that are common to all surveys. Reliability of the objective yield and farmer survey must be treated separately because the survey designs for the two surveys are different. The objective yield indications (corn, cotton, and soybeans) are subject to sampling variability because all acres of a given commodity are not included in the sample.

The farm operator survey indications are also subject to sampling variability because not all operations with commodities of interest are included in the sample. This variability, as measured by the relative standard error at the National level, is approximately 1.3 for corn, 2.3 for Upland cotton and 1.1 for soybeans. This means that chances are approximately 95 out of 100 that survey estimates for production will be within plus or minus 2.6 percent for corn, 4.6 percent for Upland cotton, and 2.2 percent for soybeans.

Survey indications are also subject to non-sampling errors such as omission, duplication, imputation for missing data, and mistakes in reporting, recording, and processing the data. These errors cannot be measured directly, but they are minimized through rigid quality controls in the data collection process and a careful review of all reported data for consistency and reasonableness.

USDA, National Agricultural Statistics Service Information Contacts

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Joshua Bates – Oats, Soybeans	(202) 690-3234
David Colwell – Current Agricultural Industrial Reports.....	(202) 720-8800
Becky Sommer – Cotton, Cotton Ginnings, Sorghum.....	(202) 720-5944
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John Stephens – Peanuts, Rice.....	(202) 720-7688
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Anastasiya Osborne – Almonds, Apples, Asparagus, Carrots, Coffee, Onions Plums, Prunes, Sweet Corn, Tobacco.....	(202) 720-4288
Krishna Rizal – Artichokes, Cauliflower, Celery, Grapefruit, Garlic, Hazelnuts, Kiwifruit, Lemons, Mandarins and tangerines, Mint, Mushrooms, Olives, Oranges.....	(202) 720-5412
Fleming Gibson – Avocados, Bell Peppers, Broccoli, Cabbage, Chickpeas, Chile Peppers, Dates, Floriculture, Grapes, Hops, Pecans	(202) 720-2127
Fleming Gibson – Cantaloupes, Dry Edible Peas, Green Peas, Honeydews, Lentils, Papayas, Peaches, Sweet Cherries, Tart Cherries, Walnuts, Watermelons	(202) 720-2127

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