



Prospective Plantings

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Corn Planted Acreage Up 8 Percent from 2019
Soybean Acreage Up 10 Percent
All Wheat Acreage Down 1 Percent
All Cotton Acreage Down Less Than 1 Percent

Corn planted area for all purposes in 2020 is estimated at 97.0 million acres, up 8 percent or 7.29 million acres from last year. Compared with last year, planted acreage is expected to be up or unchanged in 38 of the 48 estimating States.

Soybean planted area for 2020 is estimated at 83.5 million acres, up 10 percent from last year. Compared with last year, planted acreage is expected to be up or unchanged in 22 of the 29 estimating States.

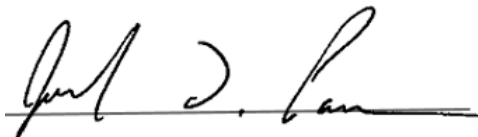
All wheat planted area for 2020 is estimated at 44.7 million acres, down 1 percent from 2019. This represents the lowest all wheat planted area since records began in 1919. The 2020 winter wheat planted area, at 30.8 million acres, is down 1 percent from last year and down slightly from the previous estimate. Of this total, about 21.7 million acres are Hard Red Winter, 5.69 million acres are Soft Red Winter, and 3.42 million acres are White Winter. Area expected to be planted to other spring wheat for 2020 is estimated at 12.6 million acres, down 1 percent from 2019. Of this total, about 11.9 million acres are Hard Red Spring wheat. Durum planted area for 2020 is expected to total 1.29 million acres, down 4 percent from the previous year.

All cotton planted area for 2020 is estimated at 13.7 million acres, down less than 1 percent from last year. Upland area is estimated at 13.5 million acres, down less than 1 percent from 2019. American Pima area is estimated at 228,000 acres, down 1 percent from 2019.

This report was approved on March 31, 2020.



Secretary of Agriculture
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Principal Crops Area Planted – States and United States: 2018-2020

[Crops included in area planted are corn, sorghum, oats, barley, rye, winter wheat, Durum wheat, other spring wheat, rice, soybeans, peanuts, sunflower, cotton, dry edible beans, chickpeas, potatoes, sugarbeets, canola, and proso millet. Harvested acreage is used for all hay, tobacco, and sugarcane in computing total area planted. Values for 2020 were carried forward from 2019 for potatoes, proso millet, rye, and sugarcane. Includes double cropped acres and unharvested small grains planted as cover crops]

State	2018 (1,000 acres)	2019 (1,000 acres)	2020 ¹ (1,000 acres)
Alabama	2,325	2,115	2,175
Alaska	28	28	30
Arizona	665	634	634
Arkansas	7,282	6,598	7,229
California	2,946	2,941	2,809
Colorado	6,140	6,091	5,910
Connecticut	70	70	76
Delaware	453	435	404
Florida	1,114	1,075	1,103
Georgia	3,653	3,354	3,429
Idaho	4,177	4,096	4,098
Illinois	22,936	21,590	22,950
Indiana	12,120	11,250	12,040
Iowa	24,241	23,935	24,840
Kansas	23,465	23,113	24,075
Kentucky	5,693	5,712	5,856
Louisiana	3,287	3,024	3,209
Maine	227	229	220
Maryland	1,572	1,556	1,548
Massachusetts	93	65	64
Michigan	6,390	5,541	6,474
Minnesota	19,484	18,349	19,492
Mississippi	4,144	3,822	4,055
Missouri	13,782	12,827	13,779
Montana	9,835	9,946	9,847
Nebraska	19,742	19,176	19,854
Nevada	401	450	457
New Hampshire	52	61	57
New Jersey	314	282	285
New Mexico	874	823	793
New York	2,828	2,591	2,909
North Carolina	4,593	4,400	4,583
North Dakota	24,163	23,221	23,429
Ohio	10,065	8,595	10,010
Oklahoma	10,036	9,390	9,444
Oregon	1,997	1,905	1,845
Pennsylvania	3,443	3,686	3,856
Rhode Island	8	7	7
South Carolina	1,498	1,428	1,443
South Dakota	17,300	13,816	17,631
Tennessee	4,896	4,836	5,023
Texas	21,833	21,419	22,495
Utah	871	907	911
Vermont	255	241	261
Virginia	2,634	2,609	2,712
Washington	3,697	3,542	3,494
West Virginia	617	567	596
Wisconsin	8,014	7,624	7,960
Wyoming	1,474	1,504	1,539
United States ²	319,305	302,626	319,088

¹ Intended plantings in 2020 as indicated by reports from farmers.

² States do not add to United States due to rye unallocated acreage.

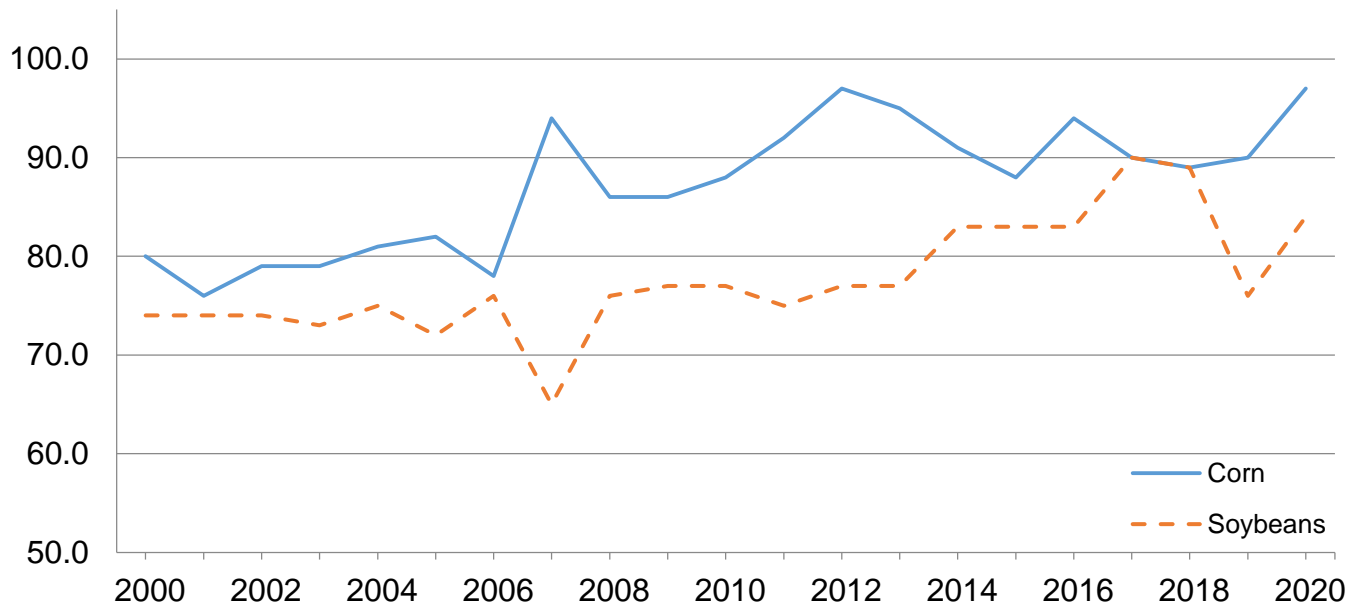
Corn Area Planted – States and United States: 2018-2020

State	Area planted			Percent of previous year
	2018	2019	2020 ¹	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
Alabama	255	320	370	116
Arizona	80	90	100	111
Arkansas	660	770	800	104
California	430	460	440	96
Colorado	1,460	1,550	1,650	106
Connecticut	23	23	23	100
Delaware	170	185	170	92
Florida	95	90	100	111
Georgia	325	395	440	111
Idaho	350	385	400	104
Illinois	11,000	10,500	11,300	108
Indiana	5,300	5,000	5,800	116
Iowa	13,200	13,500	14,100	104
Kansas	5,450	6,400	6,300	98
Kentucky	1,330	1,550	1,500	97
Louisiana	460	570	680	119
Maine	30	29	28	97
Maryland	440	510	500	98
Massachusetts	14	14	16	114
Michigan	2,250	2,000	2,500	125
Minnesota	7,900	7,800	8,400	108
Mississippi	480	660	710	108
Missouri	3,500	3,200	3,600	113
Montana	115	115	135	117
Nebraska	9,600	10,100	10,500	104
Nevada	13	15	17	113
New Hampshire	13	12	12	100
New Jersey	70	77	90	117
New Mexico	135	145	135	93
New York	1,070	1,020	1,180	116
North Carolina	910	990	1,050	106
North Dakota	3,150	3,500	3,200	91
Ohio	3,500	2,800	3,700	132
Oklahoma	310	370	400	108
Oregon	75	80	85	106
Pennsylvania	1,300	1,450	1,480	102
Rhode Island	2	2	2	100
South Carolina	340	380	390	103
South Dakota	5,300	4,350	6,000	138
Tennessee	720	970	1,040	107
Texas	2,200	2,500	2,700	108
Utah	70	85	80	94
Vermont	85	81	81	100
Virginia	485	540	540	100
Washington	165	170	200	118
West Virginia	46	52	56	108
Wisconsin	3,900	3,800	3,900	103
Wyoming	95	95	90	95
United States	88,871	89,700	96,990	108

¹ Intended plantings in 2020 as indicated by reports from farmers.

Corn and Soybean Planted Acreage - United States

Million acres



Sorghum Area Planted – States and United States: 2018-2020

State	Area planted			Percent of previous year (percent)
	2018 (1,000 acres)	2019 (1,000 acres)	2020 ¹ (1,000 acres)	
Arkansas ²	12	(NA)	(NA)	(X)
Colorado	355	365	410	112
Georgia ²	25	(NA)	(NA)	(X)
Illinois ²	18	(NA)	(NA)	(X)
Kansas	2,800	2,600	2,800	108
Louisiana ²	8	(NA)	(NA)	(X)
Mississippi ²	4	(NA)	(NA)	(X)
Missouri ²	30	(NA)	(NA)	(X)
Nebraska	230	200	200	100
New Mexico ²	80	(NA)	(NA)	(X)
North Carolina ²	18	(NA)	(NA)	(X)
Oklahoma	300	300	340	113
South Dakota	260	250	270	108
Texas	1,550	1,550	1,800	116
United States	5,690	5,265	5,820	111

(NA) Not available.

(X) Not applicable.

¹ Intended plantings in 2020 as indicated by reports from farmers.

² Estimates discontinued in 2019.

Oat Area Planted – States and United States: 2018-2020

[Includes area planted in preceding fall]

State	Area planted			Percent of previous year
	2018	2019	2020 ¹	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
Alabama ²	40	(NA)	(NA)	(X)
Arkansas	10	5	8	160
California	110	75	75	100
Colorado ²	95	(NA)	(NA)	(X)
Georgia	60	70	70	100
Idaho	40	60	45	75
Illinois	40	70	100	143
Iowa	135	215	240	112
Kansas	120	120	170	142
Maine	21	22	22	100
Michigan	75	70	60	86
Minnesota	180	240	250	104
Missouri	35	50	50	100
Montana	70	70	75	107
Nebraska	125	120	120	100
New York	69	56	59	105
North Carolina	30	22	28	127
North Dakota	300	355	320	90
Ohio	55	75	80	107
Oklahoma	50	100	90	90
Oregon	20	20	20	100
Pennsylvania	65	85	90	106
South Carolina ²	19	(NA)	(NA)	(X)
South Dakota	290	245	345	141
Texas	450	400	415	104
Washington ²	17	(NA)	(NA)	(X)
Wisconsin	200	265	280	106
Wyoming ²	25	(NA)	(NA)	(X)
United States	2,746	2,810	3,012	107

(NA) Not available.

(X) Not applicable.

¹ Intended plantings in 2020 as indicated by reports from farmers.

² Estimates discontinued in 2019.

Barley Area Planted – States and United States: 2018-2020

[Includes area planted in preceding fall]

State	Area planted			Percent of previous year
	2018	2019	2020 ¹	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
Alaska	5	6	5	83
Arizona	14	17	17	100
California	65	60	65	108
Colorado	60	54	45	83
Delaware	25	21	22	105
Idaho	550	540	510	94
Kansas	17	14	15	107
Maine	17	16	13	81
Maryland	45	32	43	134
Michigan	20	11	15	136
Minnesota	80	70	65	93
Montana	790	920	1,010	110
New York	10	10	10	100
North Carolina	11	11	15	136
North Dakota	470	580	640	110
Oregon	43	40	35	88
Pennsylvania	45	35	40	114
South Dakota	48	37	45	122
Utah	21	17	21	124
Virginia	30	30	30	100
Washington	85	95	115	121
Wisconsin	25	24	30	125
Wyoming	72	81	115	142
United States	2,548	2,721	2,921	107

¹ Intended plantings in 2020 as indicated by reports from farmers.

All Wheat Area Planted – States and United States: 2018-2020

[Includes area planted in preceding fall]

State	Area planted			Percent of previous year (percent)
	2018 (1,000 acres)	2019 (1,000 acres)	2020 ¹ (1,000 acres)	
Alabama	160	130	150	115
Arizona	96	34	50	147
Arkansas	175	110	160	145
California	425	420	425	101
Colorado	2,260	2,150	1,850	86
Delaware	75	60	55	92
Florida ²	15	(NA)	(NA)	(X)
Georgia	200	150	190	127
Idaho	1,191	1,195	1,205	101
Illinois	600	650	570	88
Indiana	310	330	340	103
Iowa ²	16	(NA)	(NA)	(X)
Kansas	7,700	6,900	6,800	99
Kentucky	450	460	540	117
Louisiana ²	15	(NA)	(NA)	(X)
Maryland	360	345	345	100
Michigan	510	540	520	96
Minnesota	1,621	1,450	1,350	93
Mississippi	55	45	45	100
Missouri	740	550	480	87
Montana	5,390	5,450	5,470	100
Nebraska	1,100	1,070	920	86
Nevada ²	23	(NA)	(NA)	(X)
New Jersey	18	19	25	132
New Mexico	320	360	330	92
New York	110	90	160	178
North Carolina	460	290	480	166
North Dakota	7,735	7,505	6,800	91
Ohio	490	500	510	102
Oklahoma	4,400	4,200	4,300	102
Oregon	800	740	740	100
Pennsylvania	195	180	240	133
South Carolina	80	70	110	157
South Dakota	1,883	1,500	1,500	100
Tennessee	380	280	310	111
Texas	4,500	4,500	4,800	107
Utah	130	125	120	96
Virginia	230	180	260	144
Washington	2,220	2,260	2,220	98
West Virginia ²	7	(NA)	(NA)	(X)
Wisconsin	240	195	160	82
Wyoming	130	125	125	100
United States	47,815	45,158	44,655	99

(NA) Not available.

(X) Not applicable.

¹ Intended plantings for 2020 as indicated by reports from farmers.

² Estimates discontinued in 2019.

Winter Wheat Area Planted – States and United States: 2018-2020

[Includes area planted in preceding fall]

State	Area planted			Percent of previous year
	2018	2019	2020	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
Alabama	160	130	150	115
Arizona ¹	22	(NA)	(NA)	(X)
Arkansas	175	110	160	145
California	380	390	400	103
Colorado	2,250	2,150	1,850	86
Delaware	75	60	55	92
Florida ¹	15	(NA)	(NA)	(X)
Georgia	200	150	190	127
Idaho	720	730	730	100
Illinois	600	650	570	88
Indiana	310	330	340	103
Iowa ¹	16	(NA)	(NA)	(X)
Kansas	7,700	6,900	6,800	99
Kentucky	450	460	540	117
Louisiana ¹	15	(NA)	(NA)	(X)
Maryland	360	345	345	100
Michigan	510	540	520	96
Minnesota ¹	11	(NA)	(NA)	(X)
Mississippi	55	45	45	100
Missouri	740	550	480	87
Montana	1,650	2,000	1,600	80
Nebraska	1,100	1,070	920	86
Nevada ¹	13	(NA)	(NA)	(X)
New Jersey	18	19	25	132
New Mexico	320	360	330	92
New York	110	90	160	178
North Carolina	460	290	480	166
North Dakota	85	85	60	71
Ohio	490	500	510	102
Oklahoma	4,400	4,200	4,300	102
Oregon	720	740	740	100
Pennsylvania	195	180	240	133
South Carolina	80	70	110	157
South Dakota	830	860	650	76
Tennessee	380	280	310	111
Texas	4,500	4,500	4,800	107
Utah	120	125	120	96
Virginia	230	180	260	144
Washington	1,700	1,750	1,700	97
West Virginia ¹	7	(NA)	(NA)	(X)
Wisconsin	240	195	160	82
Wyoming	130	125	125	100
United States	32,542	31,159	30,775	99

(NA) Not available.

(X) Not applicable.

¹ Estimates discontinued in 2019.

Durum Wheat Area Planted – States and United States: 2018-2020

[Includes area planted in preceding fall in Arizona and California]

State	Area planted			Percent of previous year
	2018	2019	2020 ¹	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
Arizona	74	34	50	147
California	45	30	25	83
Idaho	11	5	5	100
Montana	840	550	570	104
North Dakota	1,100	720	640	89
South Dakota ²	3	(NA)	(NA)	(X)
United States	2,073	1,339	1,290	96

(NA) Not available.

(X) Not applicable.

¹ Intended plantings in 2020 as indicated by reports from farmers.

² Estimate discontinued in 2019.

Other Spring Wheat Area Planted – States and United States: 2018-2020

State	Area planted			Percent of previous year
	2018	2019	2020 ¹	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
Colorado ²	10	(NA)	(NA)	(X)
Idaho	460	460	470	102
Minnesota	1,610	1,450	1,350	93
Montana	2,900	2,900	3,300	114
Nevada ²	10	(NA)	(NA)	(X)
North Dakota	6,550	6,700	6,100	91
Oregon ²	80	(NA)	(NA)	(X)
South Dakota	1,050	640	850	133
Utah ²	10	(NA)	(NA)	(X)
Washington	520	510	520	102
United States	13,200	12,660	12,590	99

(NA) Not available.

(X) Not applicable.

¹ Intended plantings in 2020 as indicated by reports from farmers.

² Estimates discontinued in 2019.

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

State	Area harvested			Percent of previous year
	2018	2019	2020 ¹	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
Alabama	850	700	700	100
Alaska	22	22	25	114
Arizona	300	325	325	100
Arkansas	1,203	1,253	1,340	107
California	980	1,010	920	91
Colorado	1,420	1,460	1,430	98
Connecticut	47	47	53	113
Delaware	13	14	12	86
Florida	280	270	270	100
Georgia	600	560	590	105
Idaho	1,340	1,300	1,350	104
Illinois	470	420	480	114
Indiana	510	520	500	96
Iowa	940	1,020	1,200	118
Kansas	2,360	2,280	2,700	118
Kentucky	1,895	1,945	1,965	101
Louisiana	380	390	420	108
Maine	110	110	105	95
Maryland	195	189	190	101
Massachusetts	79	51	48	94
Michigan	810	780	780	100
Minnesota	1,220	1,100	1,150	105
Mississippi	590	610	620	102
Missouri	3,070	3,360	3,250	97
Montana	2,900	3,000	2,800	93
Nebraska	2,700	2,450	2,650	108
Nevada	365	435	440	101
New Hampshire	39	49	45	92
New Jersey	114	91	90	99
New Mexico	250	245	250	102
New York	1,220	1,180	1,210	103
North Carolina	816	816	825	101
North Dakota	2,670	2,420	2,600	107
Ohio	970	920	920	100
Oklahoma	3,230	3,005	2,800	93
Oregon	1,000	970	910	94
Pennsylvania	1,190	1,210	1,270	105
Rhode Island	6	5	5	100
South Carolina	270	270	270	100
South Dakota	3,250	3,350	3,400	101
Tennessee	1,720	1,763	1,800	102
Texas	4,740	4,920	4,900	100
Utah	650	680	690	101
Vermont	170	160	180	113
Virginia	1,140	1,145	1,145	100
Washington	760	640	620	97
West Virginia	535	515	540	105
Wisconsin	1,360	1,300	1,350	104
Wyoming	1,090	1,150	1,150	100
United States	52,839	52,425	53,283	102

¹ Intended area harvested in 2020 as indicated by reports from farmers.

Rice Area Planted by Class – States and United States: 2018-2020

Class and State	Area planted			Percent of previous year
	2018	2019	2020 ¹	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
Long grain				
Arkansas	1,250	950	1,190	125
California	11	10	10	100
Louisiana	395	370	390	105
Mississippi	140	115	150	130
Missouri	215	180	190	106
Texas	187	153	170	111
United States	2,198	1,778	2,100	118
Medium grain				
Arkansas	190	205	205	100
California	455	455	450	99
Louisiana	45	55	40	73
Mississippi	-	2	-	(X)
Missouri	9	7	9	129
Texas	8	4	2	50
United States	707	728	706	97
Short grain				
Arkansas	1	1	1	100
California ²	40	33	40	121
United States	41	34	41	121
All				
Arkansas	1,441	1,156	1,396	121
California	506	498	500	100
Louisiana	440	425	430	101
Mississippi	140	117	150	128
Missouri	224	187	199	106
Texas	195	157	172	110
United States	2,946	2,540	2,847	112

- Represents zero.

(X) Not applicable.

¹ Intended plantings in 2020 as indicated by reports from farmers.

² Includes sweet rice.

Canola Area Planted – States and United States: 2018-2020

State	Area planted			Percent of previous year
	2018	2019	2020 ¹	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
Idaho ²	43.0	(NA)	(NA)	(X)
Kansas	47.0	29.0	10.0	34
Minnesota	46.0	51.0	62.0	122
Montana	120.0	150.0	175.0	117
North Dakota	1,590.0	1,700.0	1,660.0	98
Oklahoma	70.0	35.0	12.0	34
Oregon ²	4.7	(NA)	(NA)	(X)
Washington	70.0	75.0	70.0	93
United States	1,990.7	2,040.0	1,989.0	98

(NA) Not available.

(X) Not applicable.

¹ Intended plantings in 2020 as indicated by reports from farmers.

² Estimates discontinued in 2019.

Soybean Area Planted – States and United States: 2018-2020

State	Area planted			Percent of previous year
	2018	2019	2020 ¹	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
Alabama	345	265	260	98
Arkansas	3,270	2,650	2,900	109
Delaware	170	155	145	94
Florida ²	18	(NA)	(NA)	(X)
Georgia	145	100	90	90
Illinois	10,800	9,950	10,500	106
Indiana	6,000	5,400	5,400	100
Iowa	9,950	9,200	9,300	101
Kansas	4,750	4,550	5,000	110
Kentucky	1,950	1,700	1,800	106
Louisiana	1,340	890	980	110
Maryland	530	480	470	98
Michigan	2,330	1,760	2,200	125
Minnesota	7,750	6,850	7,400	108
Mississippi	2,230	1,660	1,850	111
Missouri	5,850	5,100	5,800	114
Nebraska	5,650	4,900	5,100	104
New Jersey	110	95	80	84
New York	335	235	290	123
North Carolina	1,650	1,540	1,480	96
North Dakota	6,900	5,600	6,600	118
Ohio	5,050	4,300	4,800	112
Oklahoma	640	465	550	118
Pennsylvania	640	620	630	102
South Carolina	390	335	320	96
South Dakota	5,650	3,500	5,400	154
Tennessee	1,700	1,400	1,500	107
Texas	175	80	115	144
Virginia	600	570	600	105
West Virginia ²	29	(NA)	(NA)	(X)
Wisconsin	2,220	1,750	1,950	111
United States	89,167	76,100	83,510	110

(NA) Not available.

(X) Not applicable.

¹ Intended plantings in 2020 as indicated by reports from farmers.

² Estimates discontinued in 2019.

Peanut Area Planted – States and United States: 2018-2020

State	Area planted			Percent of previous year
	2018	2019	2020 ¹	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
Alabama	165.0	160.0	165.0	103
Arkansas	26.0	34.0	35.0	103
Florida	155.0	165.0	175.0	106
Georgia	665.0	670.0	740.0	110
Mississippi	25.0	20.0	20.0	100
New Mexico	5.5	4.7	5.0	106
North Carolina	102.0	104.0	105.0	101
Oklahoma	16.0	15.0	12.0	80
South Carolina	87.0	65.0	75.0	115
Texas	155.0	165.0	170.0	103
Virginia	24.0	25.0	27.0	108
United States	1,425.5	1,427.7	1,529.0	107

¹ Intended plantings in 2020 as indicated by reports from farmers.

Sunflower Area Planted by Type – States and United States: 2018-2020

Varietal type and State	Area planted			Percent of previous year
	2018	2019	2020 ¹	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
Oil				
California	58.0	49.0	49.0	100
Colorado	58.0	47.0	43.0	91
Kansas	43.0	37.0	60.0	162
Minnesota	45.0	53.0	71.0	134
Nebraska	25.0	28.0	30.0	107
North Dakota	395.0	470.0	500.0	106
South Dakota	520.0	485.0	570.0	118
Texas	20.0	28.0	33.0	118
United States	1,164.0	1,197.0	1,356.0	113
Non-oil				
California	2.0	1.6	1.0	63
Colorado	8.0	12.0	20.0	167
Kansas	10.0	8.0	20.0	250
Minnesota	7.5	5.0	6.0	120
Nebraska	12.0	9.0	10.0	111
North Dakota	41.0	65.0	70.0	108
South Dakota	51.0	48.0	50.0	104
Texas	5.5	5.0	25.0	500
United States	137.0	153.6	202.0	132
All				
California	60.0	50.6	50.0	99
Colorado	66.0	59.0	63.0	107
Kansas	53.0	45.0	80.0	178
Minnesota	52.5	58.0	77.0	133
Nebraska	37.0	37.0	40.0	108
North Dakota	436.0	535.0	570.0	107
South Dakota	571.0	533.0	620.0	116
Texas	25.5	33.0	58.0	176
United States	1,301.0	1,350.6	1,558.0	115

¹ Intended plantings in 2020 as indicated by reports from farmers.

Flaxseed Area Planted – States and United States: 2018-2020

State	Area planted			Percent of previous year
	2018	2019	2020 ¹	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
Montana	39	99	80	81
North Dakota	165	275	190	69
South Dakota ²	4	(NA)	(NA)	(X)
United States	208	374	270	72

(NA) Not available.

(X) Not applicable.

¹ Intended plantings in 2020 as indicated by reports from farmers.

² Estimates discontinued in 2019.

Cotton Area Planted by Type – States and United States: 2018-2020

Type and State	Area planted			Percent of previous year
	2018	2019	2020 ¹	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
Upland				
Alabama	510.0	540.0	530.0	98
Arizona	160.0	160.0	130.0	81
Arkansas	485.0	620.0	590.0	95
California	48.0	55.0	45.0	82
Florida	117.0	112.0	120.0	107
Georgia	1,430.0	1,400.0	1,300.0	93
Kansas	165.0	175.0	200.0	114
Louisiana	195.0	280.0	230.0	82
Mississippi	620.0	710.0	660.0	93
Missouri	325.0	380.0	400.0	105
New Mexico	77.0	63.0	65.0	103
North Carolina	430.0	510.0	500.0	98
Oklahoma	780.0	640.0	680.0	106
South Carolina	300.0	300.0	270.0	90
Tennessee	360.0	410.0	360.0	88
Texas	7,750.0	7,050.0	7,300.0	104
Virginia	98.0	103.0	95.0	92
United States	13,850.0	13,508.0	13,475.0	100
American Pima				
Arizona	14.5	7.5	12.0	160
California	211.0	205.0	195.0	95
New Mexico	6.8	5.3	8.0	151
Texas	18.0	12.0	13.0	108
United States	250.3	229.8	228.0	99
All				
Alabama	510.0	540.0	530.0	98
Arizona	174.5	167.5	142.0	85
Arkansas	485.0	620.0	590.0	95
California	259.0	260.0	240.0	92
Florida	117.0	112.0	120.0	107
Georgia	1,430.0	1,400.0	1,300.0	93
Kansas	165.0	175.0	200.0	114
Louisiana	195.0	280.0	230.0	82
Mississippi	620.0	710.0	660.0	93
Missouri	325.0	380.0	400.0	105
New Mexico	83.8	68.3	73.0	107
North Carolina	430.0	510.0	500.0	98
Oklahoma	780.0	640.0	680.0	106
South Carolina	300.0	300.0	270.0	90
Tennessee	360.0	410.0	360.0	88
Texas	7,768.0	7,062.0	7,313.0	104
Virginia	98.0	103.0	95.0	92
United States	14,100.3	13,737.8	13,703.0	100

¹ Intended plantings in 2020 as indicated by reports from farmers.

Sugarbeet Area Planted – States and United States: 2018-2020

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

State	Area planted			Percent of previous year
	2018	2019	2020 ¹	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
California ²	24.6	24.5	24.4	100
Colorado	26.3	25.1	25.2	100
Idaho	163.0	171.0	168.0	98
Michigan	150.0	146.0	150.0	103
Minnesota	415.0	424.0	427.0	101
Montana	43.5	41.8	42.5	102
Nebraska	45.5	44.0	44.0	100
North Dakota	202.0	212.0	214.0	101
Oregon	9.3	10.0	9.9	99
Washington	1.8	2.0	2.0	100
Wyoming	32.1	31.6	31.5	100
United States	1,113.1	1,132.0	1,138.5	101

¹ Intended plantings in 2020 as indicated by reports from processors.

² Relates to year of planting for overwintered beets in southern California.

Tobacco Area Harvested – States and United States: 2018-2020

State	Area harvested			Percent of previous year
	2018	2019	2020 ¹	
	(acres)	(acres)	(acres)	(percent)
Georgia	12,500	9,000	9,000	100
Kentucky	68,100	57,400	51,400	90
North Carolina	152,750	117,400	100,300	85
Pennsylvania	7,800	5,700	5,700	100
South Carolina	12,300	8,300	7,500	90
Tennessee	15,700	13,300	12,900	97
Virginia	22,280	16,020	15,000	94
United States	291,430	227,120	201,800	89

¹ Intended area harvested in 2020 as indicated by reports from farmers.

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

Class, type, and State	Area harvested			
	2018	2019	2020 ¹	Percent of previous year
	(acres)	(acres)	(acres)	(percent)
Class 1, Flue-cured (11-14)				
Georgia	12,500	9,000	9,000	100
North Carolina	152,000	117,000	100,000	85
South Carolina	12,300	8,300	7,500	90
Virginia	21,000	15,000	14,000	93
United States	197,800	149,300	130,500	87
Class 2, Fire-cured (21-23)				
Kentucky	11,000	9,500	8,000	84
Tennessee	7,600	6,300	6,000	95
Virginia	280	320	300	94
United States	18,880	16,120	14,300	89
Class 3A, Light air-cured				
Type 31, Burley				
Kentucky	50,000	41,000	37,000	90
North Carolina	750	400	300	75
Pennsylvania	4,000	2,500	2,500	100
Tennessee	5,300	4,000	4,000	100
Virginia	1,000	700	700	100
United States	61,050	48,600	44,500	92
Type 32, Southern Maryland				
Pennsylvania	1,400	1,000	400	40
United States	1,400	1,000	400	40
Total light air-cured (31-32)	62,450	49,600	44,900	91
Class 3B, Dark air-cured (35-37)				
Kentucky	7,100	6,900	6,400	93
Tennessee	2,800	3,000	2,900	97
United States	9,900	9,900	9,300	94
Class 4, Cigar filler				
Type 41, Pennsylvania Seedleaf				
Pennsylvania	2,400	2,200	2,800	127
United States	2,400	2,200	2,800	127
All tobacco				
United States	291,430	227,120	201,800	89

¹ Intended area harvested in 2020 as indicated by reports from farmers.

Dry Edible Bean Area Planted – States and United States: 2018-2020

[Excludes beans grown for garden seed. Beginning in 2019, chickpeas are excluded]

State	Area planted			Percent of previous year
	2018	2019	2020 ¹	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
California	48.0	27.4	16.0	58
Colorado	42.0	37.0	45.0	122
Idaho	185.0	47.0	48.0	102
Michigan	195.0	185.0	200.0	108
Minnesota	185.0	210.0	215.0	102
Montana ²	395.0	(NA)	(NA)	(X)
Nebraska	140.2	120.0	145.0	121
North Dakota	635.0	615.0	650.0	106
Texas ²	20.3	(NA)	(NA)	(X)
Washington	218.0	25.0	26.0	104
Wyoming	31.0	21.0	27.0	129
United States	2,094.5	1,287.4	1,372.0	107

(NA) Not available.

(X) Not applicable.

¹ Intended plantings in 2020 as indicated by reports from farmers.

² Estimates discontinued in 2019.

Chickpea Area Planted – States and United States: 2018-2020

[Beginning in 2019, chickpeas are excluded from dry edible beans]

Size and State	Area planted			
	2018	2019	2020 ¹	Percent of previous year
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
Small chickpeas ²				
California	(D)	(D)	(D)	(D)
Colorado ³	(D)	(NA)	(NA)	(X)
Idaho	62.0	20.0	12.0	60
Michigan ³	-	(NA)	(NA)	(X)
Minnesota ³	-	(NA)	(NA)	(X)
Montana	(D)	51.0	56.0	110
Nebraska ³	(D)	(NA)	(NA)	(X)
North Dakota	18.4	(D)	(D)	(D)
Texas ³	(D)	(NA)	(NA)	(X)
Washington	70.0	25.0	22.0	88
Wyoming ³	-	(NA)	(NA)	(X)
Other States ⁴	75.3	9.0	10.0	111
United States	225.7	105.0	100.0	95
Large chickpeas ⁵				
California	(D)	(D)	(D)	(D)
Colorado ³	(D)	(NA)	(NA)	(X)
Idaho	72.0	68.0	50.0	74
Michigan ³	-	(NA)	(NA)	(X)
Minnesota ³	(D)	(NA)	(NA)	(X)
Montana	(D)	148.0	83.0	56
Nebraska ³	(D)	(NA)	(NA)	(X)
North Dakota	96.0	(D)	(D)	(D)
Texas ³	(D)	(NA)	(NA)	(X)
Washington	120.0	85.0	54.0	64
Wyoming ³	(D)	(NA)	(NA)	(X)
Other States ⁴	349.5	45.4	19.0	42
United States	637.5	346.4	206.0	59
All chickpeas				
California	15.1	13.4	12.0	90
Colorado ³	(D)	(NA)	(NA)	(X)
Idaho	134.0	88.0	62.0	70
Michigan ³	-	(NA)	(NA)	(X)
Minnesota ³	(D)	(NA)	(NA)	(X)
Montana	390.0	199.0	139.0	70
Nebraska ³	12.7	(NA)	(NA)	(X)
North Dakota	114.4	41.0	17.0	41
Texas ³	(D)	(NA)	(NA)	(X)
Washington	190.0	110.0	76.0	69
Wyoming ³	(D)	(NA)	(NA)	(X)
Other States ⁴	7.0	-	-	(X)
United States	863.2	451.4	306.0	68

- Represents zero.

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

(NA) Not available.

(X) Not applicable.

¹ Intended plantings in 2020 as indicated by reports from farmers.

² Chickpeas 20/64 inches or smaller.

³ Estimates discontinued in 2019.

⁴ Includes data withheld above.

⁵ Chickpeas larger than 20/64 inches.

Lentil Area Planted – States and United States: 2018-2020

State	Area planted			Percent of previous year
	2018	2019	2020 ¹	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
Idaho	35.0	34.0	32.0	94
Montana	500.0	295.0	315.0	107
North Dakota	185.0	95.0	85.0	89
Washington	60.0	62.0	42.0	68
United States	780.0	486.0	474.0	98

¹ Intended plantings in 2020 as indicated by reports from farmers.

Dry Edible Pea Area Planted – States and United States: 2018-2020

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

State	Area planted			Percent of previous year
	2018	2019	2020 ¹	
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(percent)
Idaho	8.0	29.0	25.0	86
Montana	335.0	530.0	495.0	93
Nebraska	58.0	31.0	28.0	90
North Dakota	375.0	425.0	325.0	76
Oregon ²	6.5	(NA)	(NA)	(X)
South Dakota	22.0	16.0	11.0	69
Washington	52.0	72.0	87.0	121
United States	856.5	1,103.0	971.0	88

(NA) Not available.

(X) Not applicable.

¹ Intended plantings in 2020 as indicated by reports from farmers.

² Estimates discontinued in 2019.

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

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

Crop	Area planted		Area harvested	
	2019	2020	2019	2020
	(1,000 acres)	(1,000 acres)	(1,000 acres)	(1,000 acres)
Grains and hay				
Barley	2,721	2,921	2,182	
Corn for grain ¹	89,700	96,990	81,482	
Corn for silage	(NA)		6,587	
Hay, all	(NA)	(NA)	52,425	53,283
Alfalfa	(NA)		16,743	
All other	(NA)		35,682	
Oats	2,810	3,012	826	
Proso millet	506		465	
Rice	2,540	2,847	2,472	
Rye	1,865		310	
Sorghum for grain ¹	5,265	5,820	4,675	
Sorghum for silage	(NA)		339	
Wheat, all	45,158	44,655	37,162	
Winter	31,159	30,775	24,327	
Durum	1,339	1,290	1,175	
Other spring	12,660	12,590	11,660	
Oilseeds				
Canola	2,040.0	1,989.0	1,910.0	
Cottonseed	(X)		(X)	
Flaxseed	374	270	319	
Mustard seed	98.0		90.0	
Peanuts	1,427.7	1,529.0	1,391.7	
Rapeseed	11.3		10.4	
Safflower	165.8		152.7	
Soybeans for beans	76,100	83,510	75,021	
Sunflower	1,350.6	1,558.0	1,244.5	
Cotton, tobacco, and sugar crops				
Cotton, all	13,737.8	13,703.0	11,804.5	
Upland	13,508.0	13,475.0	11,580.0	
American Pima	229.8	228.0	224.5	
Sugarbeets	1,132.0	1,138.5	979.3	
Sugarcane	(NA)		913.2	
Tobacco	(NA)	(NA)	227.1	201.8
Dry beans, peas, and lentils				
Chickpeas	451.4	306.0	404.0	
Dry edible beans	1,287.4	1,372.0	1,176.5	
Dry edible peas	1,103.0	971.0	1,052.0	
Lentils	486.0	474.0	431.0	
Potatoes and miscellaneous				
Hops	(NA)		56.5	
Maple syrup	(NA)		(NA)	
Mushrooms	(NA)		(NA)	
Peppermint oil	(NA)		52.4	
Potatoes	968.3		942.2	
Spearmint oil	(NA)		18.5	

See footnote(s) at end of table.

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

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

Crop	Yield per acre		Production	
	2019	2020	2019	2020
			(1,000)	(1,000)
Grains and hay				
Barley	bushels	77.7	169,566	
Corn for grain	bushels	168.0	13,691,561	
Corn for silage	tons	20.2	132,807	
Hay, all	tons	2.46	128,864	
Alfalfa	tons	3.28	54,875	
All other	tons	2.07	73,989	
Oats	bushels	64.3	53,148	
Proso millet	bushels	35.7	16,608	
Rice ²	cwt	7,471	184,675	
Rye	bushels	34.3	10,622	
Sorghum for grain	bushels	73.0	341,460	
Sorghum for silage	tons	11.9	4,019	
Wheat, all	bushels	51.7	1,920,139	
Winter	bushels	53.6	1,304,003	
Durum	bushels	45.7	53,756	
Other spring	bushels	48.2	562,380	
Oilseeds				
Canola	pounds	1,781	3,402,000	
Cottonseed	tons	(X)	6,232.0	
Flaxseed	bushels	20.0	6,395	
Mustard seed	pounds	706	63,580	
Peanuts	pounds	3,949	5,496,087	
Rapeseed	pounds	2,160	22,464	
Safflower	pounds	1,272	194,295	
Soybeans for beans	bushels	47.4	3,558,281	
Sunflower	pounds	1,562	1,943,435	
Cotton, tobacco, and sugar crops				
Cotton, all ²	bales	817	20,102.0	
Upland ²	bales	803	19,380.0	
American Pima ²	bales	1,544	722.0	
Sugarbeets	tons	29.2	28,600	
Sugarcane	tons	35.0	31,937	
Tobacco	pounds	2,060	467,956	
Dry beans, peas, and lentils				
Chickpeas ²	cwt	1,544	6,237	
Dry edible beans ²	cwt	1,769	20,811	
Dry edible peas ²	cwt	2,124	22,346	
Lentils ⁵	cwt	1,250	5,388	
Potatoes and miscellaneous				
Hops	pounds	1,981	112,041.2	
Maple syrup	gallons	(NA)	4,240	
Mushrooms	pounds	(NA)	846,491	
Peppermint oil	pounds	104	5,452	
Potatoes	cwt	449	422,890	
Spearmint oil	pounds	130	2,413	

(NA) Not available.

(X) Not applicable.

¹ Area planted for all purposes.

² Yield in pounds.

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

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

Crop	Area planted		Area harvested	
	2019	2020	2019	2020
	(hectares)	(hectares)	(hectares)	(hectares)
Grains and hay				
Barley	1,101,160	1,182,100	883,030	
Corn for grain ¹	36,300,690	39,250,880	32,974,950	
Corn for silage	(NA)		2,665,690	
Hay, all ²	(NA)	(NA)	21,215,870	21,563,100
Alfalfa	(NA)		6,775,720	
All other	(NA)		14,440,150	
Oats	1,137,180	1,218,930	334,270	
Proso millet	204,770		188,180	
Rice	1,027,910	1,152,150	1,000,390	
Rye	754,750		125,450	
Sorghum for grain ¹	2,130,690	2,355,300	1,891,930	
Sorghum for silage	(NA)		137,190	
Wheat, all ²	18,274,990	18,071,430	15,039,090	
Winter	12,609,740	12,454,330	9,844,890	
Durum	541,880	522,050	475,510	
Other spring	5,123,380	5,095,050	4,718,690	
Oilseeds				
Canola	825,570	804,930	772,960	
Cottonseed	(X)		(X)	
Flaxseed	151,350	109,270	129,100	
Mustard seed	39,660		36,420	
Peanuts	577,780	618,770	563,210	
Rapeseed	4,570		4,210	
Safflower	67,100		61,800	
Soybeans for beans	30,796,910	33,795,660	30,360,250	
Sunflower	546,570	630,510	503,640	
Cotton, tobacco, and sugar crops				
Cotton, all ²	5,559,550	5,545,470	4,777,160	
Upland	5,466,550	5,453,200	4,686,310	
American Pima	93,000	92,270	90,850	
Sugarbeets	458,110	460,740	396,310	
Sugarcane	(NA)		369,560	
Tobacco	(NA)	(NA)	91,910	81,670
Dry beans, peas, and lentils				
Chickpeas	182,680	123,840	163,490	
Dry edible beans	521,000	555,230	476,120	
Dry edible peas	446,370	392,950	425,730	
Lentils	196,680	191,820	174,420	
Potatoes and miscellaneous				
Hops	(NA)		22,880	
Maple syrup	(NA)		(NA)	
Mushrooms	(NA)		(NA)	
Peppermint oil	(NA)		21,210	
Potatoes	391,860		381,300	
Spearmint oil	(NA)		7,490	

See footnote(s) at end of table.

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

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

Crop	Yield per hectare		Production	
	2019 (metric tons)	2020 (metric tons)	2019 (metric tons)	2020 (metric tons)
Grains and hay				
Barley	4.18		3,691,860	
Corn for grain	10.55		347,781,670	
Corn for silage	45.20		120,480,480	
Hay, all ²	5.51		116,903,450	
Alfalfa	7.35		49,781,760	
All other	4.65		67,121,690	
Oats	2.31		771,440	
Proso millet	2.00		376,660	
Rice	8.37		8,376,720	
Rye	2.15		269,810	
Sorghum for grain	4.58		8,673,480	
Sorghum for silage	26.58		3,645,980	
Wheat, all ²	3.47		52,257,620	
Winter	3.60		35,489,150	
Durum	3.08		1,463,000	
Other spring	3.24		15,305,480	
Oilseeds				
Canola	2.00		1,543,120	
Cottonseed	(X)		5,653,580	
Flaxseed	1.26		162,440	
Mustard seed	0.79		28,840	
Peanuts	4.43		2,492,980	
Rapeseed	2.42		10,190	
Safflower	1.43		88,130	
Soybeans for beans	3.19		96,840,540	
Sunflower	1.75		881,530	
Cotton, tobacco, and sugar crops				
Cotton, all ²	0.92		4,376,690	
Upland	0.90		4,219,500	
American Pima	1.73		157,200	
Sugarbeets	65.47		25,945,480	
Sugarcane	78.40		28,972,760	
Tobacco	2.31		212,260	
Dry beans, peas, and lentils				
Chickpeas	1.73		282,910	
Dry edible beans	1.98		943,970	
Dry edible peas	2.38		1,013,600	
Lentils	1.40		244,400	
Potatoes and miscellaneous				
Hops	2.22		50,820	
Maple syrup	(NA)		21,200	
Mushrooms	(NA)		383,960	
Peppermint oil	0.12		2,470	
Potatoes	50.31		19,181,970	
Spearmint oil	0.15		1,090	

(NA) Not available.

(X) Not applicable.

¹ Area planted for all purposes.

² Total may not add due to rounding.

Winter Weather Summary

Highlights: 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 condition—and even some flooding—in January. Elsewhere, the Southwest experienced several periods of significant winter precipitation, but continued to deal 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.

According to the United States Drought Monitor, winter drought coverage across the Lower 48 States stayed in a narrow range from 10 to 13 percent. Prior to the winter of 2019-2020, the last time exceptional drought (D4) was observed anywhere in the country was March 12, 2019. By winter's end, primary areas of drought concern included southern Texas, parts of the Far West, including much of California, and an area stretching from the Four Corners region eastward to the High Plains. The driest area covered southern Texas. Statewide, extreme drought (D3) affected nearly 6 percent of Texas by early March.

Historical Perspective: According to preliminary data provided by the National Centers for Environmental Information, it was the Nation's 6th-warmest, 19th-wettest winter during the 125-year period of record. The country's winter average temperature of 36.0°F was 3.8°F above the 1901-2000 mean, while precipitation averaged 7.71 inches (114 percent of normal).

All Lower 48 States had a December-February ranking on the “warm” side of the historical distribution; Utah, with its 42nd-warmest winter, was the “coolest” State. Meanwhile, top-ten rankings for winter warmth were observed in 24 of 26 States east of the Mississippi River—all but Mississippi and Wisconsin. Statewide precipitation rankings ranged from the 22nd-driest winter in California to the wettest winter on record in Alabama and Georgia. It was also among the ten wettest winters in Mississippi, South Carolina, and Tennessee.

December: Active weather prevailed across most of the country, especially in the Southeast and an area stretching from California and the Southwest to the northern Plains and upper Great Lakes region. Across the far upper Midwest, a persistently deep snow cover hampered final harvest efforts for corn and sunflowers. In the last national report, dated December 8, only 92 percent of the Nation's corn and 73 percent of the sunflowers had been harvested. In North Dakota, 43 percent of the corn had been cut on that date, while 60 percent of the sunflowers had been harvested. By the end of December, North Dakota's harvest had advanced to 48 and 66 percent complete, respectively, for corn and sunflowers. Snow also remained on the ground for much (or all) of the month in parts of the Northeast, following an early-month storm. In contrast, drier-than-normal weather prevailed across portions of the southern Plains, as well as the western Gulf Coast region. Several factors, including drought and periodic cold snaps, continued to adversely affect winter wheat in parts of Colorado, Kansas, Oklahoma, and Texas. During December, as much as 15 percent of the Nation's winter

wheat production area was in drought, according to the United States Drought Monitor. However, a late-month storm system provided some of the Plains' driest wheat areas with highly beneficial moisture.

Portions of the Northwest also experienced drier-than-normal conditions, despite a late-month increase in precipitation. In addition, Northwestern snow accumulations were limited by mild weather, leaving high-elevation snowpack 25 to 75 percent of the late-December average in much of Idaho, Oregon, and Washington. Elsewhere, near- or above-average snowpack dominated areas from the Sierra Nevada to the central and southern Rockies, as well as the eastern slopes of the northern Rockies, courtesy of multiple storms in late November and throughout December.

Above-normal December temperatures dominated the country, despite periodic cold spells. The warmest weather, relative to normal, stretched from the central and southern Plains into the lower Midwest and the Southeast. East of the Rockies, impressive warmth developed late in the month, causing the Nation's snow coverage to retreat to 25.5 percent by December 24, down from a peak of 48.4 percent just 7 days earlier.

January: Western weather patterns flipped in January, with wetter conditions developing in the Northwest and a drier regime arriving across California and the Southwest. As a result, Northwestern snowpack dramatically improved to near-normal values by month's end, while little snow accumulated in California's key watershed areas. According to the California Department of Water Resources, the average water equivalency of the Sierra Nevada snowpack increased only 3 inches (from 9 to 12 inches) during the month—and was only about 70 percent of the late-January average.

Meanwhile, most of the central and eastern United States experienced unsettled January weather. Relative to normal, precipitation was particularly heavy in the Midwest, further delaying final harvest efforts. By late January, harvesting of corn and sunflowers was 96 percent complete in South Dakota. In North Dakota, where many areas have experienced continuous snow coverage since late November, the corn and sunflower harvests were just 49 and 67 percent complete, respectively.

Heavy precipitation from the Midwest southward to the central Gulf Coast also led to a rare, mid-winter flood event. Some of the most significant flooding developed around mid-January from Mississippi to Michigan, fueled by a series of storms. Midwestern basins such as the Illinois and Wabash Rivers experienced mostly minor to moderate flooding. Flooding also affected the lower Mississippi Valley and environs.

Late in the month, topsoil moisture was rated at least 40 percent surplus in many Midwestern States, including Michigan (63 percent), Ohio (59 percent), South Dakota (48 percent), Missouri (45 percent), North Dakota (44 percent), and Illinois (40 percent). In contrast, lingering pockets of drought across the High Plains and the Southwest left topsoil moisture rated 65 percent very short to short in New Mexico, along with 61 percent in Colorado and 32 percent in Kansas. By late January, nearly one-quarter of the winter wheat was rated in very poor to poor condition in Colorado (24 percent) and Kansas (23 percent).

Despite brief cold episodes, near- or above-normal January temperatures dominated the country. Warmth was especially notable east of the Mississippi River, where monthly temperatures averaged as much as 6 to 10°F above normal. For most areas east of the Rockies, the harshest period of cold weather lasted about a week and culminated with a freeze across parts of Florida's peninsula on January 22. During Florida's brief cold outbreak, high winds and temperatures near the freezing mark may have reduced the yield potential of highly sensitive vegetables.

February: Significant precipitation deficits persisted through a second consecutive month in much of California and the Great Basin. In fact, parts of California received no precipitation during the month, setting February records for dryness. In addition, little mid- to late-winter snow in the Sierra Nevada left the average water equivalency of the high-elevation snowpack less than one-half of the end-of-February average.

Other areas of the West received occasional rain and snow. Northwestern snowpack, which had stabilized during a wet January, continued to benefit from periods of stormy weather. Pockets of drought persisted, however, along the eastern slopes of the Cascades and in south-central Idaho. In contrast, an early-February deluge—following heavy snow—triggered significant flooding in northeastern Oregon and environs.

Farther east, most areas from the Plains to the Atlantic Seaboard experienced another wet month. In some cases, Southern rivers that had flooded in mid- to late January surged to even higher levels during the second half of February. Lowland flooding also extended northward into the lower Midwest, while parts of the northern Corn Belt continued to brace for spring flooding. Conversely, drier-than-normal February weather affected a few areas, including southern Texas, the upper Great Lakes region, parts of New England, and the northern part of peninsular Florida.

Since late November, parts of the upper Midwest, including the eastern Dakotas, have reported a continuous snow cover, beneath which soils remain saturated. During February, North Dakota's corn harvest advanced from 49 to 61 percent complete, while the State's sunflower harvest advanced from 67 to 79 percent complete. Other States, including Minnesota and Wisconsin, reported some corn still standing in the field.

Elsewhere, relatively benign weather prevailed on the Plains, as generally mild weather accompanied frequent precipitation events. However, short-lived cold outbreaks delivered sub-zero temperatures as far south as Colorado and Nebraska. Similarly, a mid-month cold blast produced Midwestern readings below 0°F into northern Missouri and central Illinois.

Despite the brief cold waves, above-normal February temperatures dominated the country. The warmest weather, relative to normal, covered areas east of the Mississippi River, where many locations reported monthly readings more than 5°F above normal. Slightly cooler-than-normal weather was mostly confined to the Pacific Northwest and Desert Southwest.

Crop Comments

Corn: Growers intend to plant 97.0 million acres of corn for all purposes in 2020, up 8 percent from last year. If realized, this will be the highest planted acreage since 2012.

Planted acreage for 2020 is expected to be up or unchanged from 2019 in 38 of the 48 estimating States. Record high acreage is expected in Arizona, Idaho, Nevada, and Oregon. Record low acreage is expected in Connecticut and Rhode Island. Acreage increases from last year of 800,000 or more are expected in Indiana, Illinois, Ohio, and South Dakota.

Sorghum: Growers intend to plant 5.82 million acres of sorghum for all purposes in 2020, up 11 percent from last year. Kansas, the leading sorghum producing State, is expecting 8 percent more sorghum acres in 2020 than last year. Texas growers are expecting to plant 16 percent more acres in 2020 than last year. As of March 23, Texas growers had planted 31 percent of their expected acreage, 1 percentage point ahead of last year and 6 percentage points ahead of the 5-year average.

Oats: Area expected to be seeded to oats for the 2020 crop year is estimated at 3.01 million acres, up 7 percent from 2019. If realized, the United States planted area will be the ninth lowest on record. Record low planted acreage is expected in California and Oregon.

Barley: Producers seeded 2.92 million acres of barley for the 2020 crop year, up 7 percent from the previous year. A record low planted acreage is estimated for Colorado, Minnesota, New York and Oregon. However, in Montana, planted acreage is expected to increase by 10 percent from last year.

Winter wheat: The 2020 winter wheat planted area is estimated at 30.8 million acres, down 1 percent from last year and down slightly from the previous estimate. This represents the second lowest planted acreage on record for the United States. Of the total acreage, about 21.7 million acres are Hard Red Winter, 5.69 million acres are Soft Red Winter, and 3.42 million acres are White Winter. Record low planted acreage is estimated in Nebraska and Utah.

Durum wheat: Area seeded to Durum wheat for 2020 is estimated at 1.29 million acres, down 4 percent from 2019. Acreage decreases are expected in California and North Dakota while increases are expected in Arizona and Montana. Record low planted acreages are estimated in Idaho and North Dakota. Durum wheat seeding and emergence was nearly complete in Arizona and California by March 28 at 95 percent and 93 percent, respectively.

Other spring wheat: Growers intend to plant 12.6 million acres of other spring wheat, down 1 percent from 2019. Of this total, about 11.9 million acres are Hard Red Spring wheat. Compared with last year, acreage increases are expected in all spring wheat-producing States except Minnesota and North Dakota. Planted area in North Dakota, the largest producing State, is estimated at 6.10 million acres, down 9 percent from last year.

Hay: Producers intend to harvest 53.3 million acres of all hay in 2020, up 2 percent from 2019. The Northern Plains and Upper Midwestern States are expecting increases in harvested acres in 2020.

Record low all hay harvested area is expected in California, Indiana, Maine, Massachusetts, Michigan, New Jersey, Ohio, Oregon, Rhode Island, and Washington in 2020. Meanwhile, Alaska is expecting a record high acreage.

Rice: Area planted to rice in 2020 is expected to total 2.85 million acres, up 12 percent from 2019. Arkansas, the largest long grain-producing State, is expected to increase long grain acres by 25 percent from the previous year. Compared with the last year, medium grain acres are expected to decrease 3 percent but short grain acres are expected to increase 21 percent. California, the largest medium and short grain-producing State, is expected to reduce medium grain planted area by 1 percent but increase short grain planted area by 21 percent in 2020.

Canola: Producers intend to plant 1.99 million acres of canola in 2020, down 3 percent from last year's planted area. Despite the decline, planted acreage for the Nation will represent the third highest planted area on record. Compared with last year, planted area is expected to decline in 4 of the 6 major canola-producing States, with acreage increases only expected in Minnesota and Montana. Planted area in Oklahoma, at 12,000 acres, is the lowest since 2009, the first year estimates were published for the State. Planted area in North Dakota, the leading canola-producing State, is down 2 percent from last year. If realized, planted area in Montana, at 175,000 acres, will be a record high.

Soybeans: Growers intend to plant 83.5 million acres in 2020, up 10 percent from last year. Compared with last year, planted acreage intentions are up or unchanged in 22 of the 29 estimating States. Increases of 250,000 acres or more are anticipated in Arkansas, Illinois, Kansas, Michigan, Minnesota, Missouri, North Dakota, Ohio, and South Dakota.

Peanuts: Growers intend to plant 1.53 million acres in 2020, up 7 percent from 2019. Compared with last year, all States are expecting an increase or no change in planted area except for Oklahoma. In Georgia, the largest peanut-producing State, expected planted area is up 10 percent from 2019. If realized, it will be the most acres planted since 2017.

Sunflower: Growers intend to plant 1.56 million acres in 2020, an increase of 15 percent from 2019. If realized, this will be the highest planted area for the Nation since 2016, but still the fifth lowest planted area since 1976. Compared with last year, growers in seven of the eight major sunflower-producing States expect an increase in acreage this year. The only State expecting a decline is California, where planted area is expected to be down less than 1,000 acres from last year.

Area intended for oil type varieties, at 1.36 million acres, is up 13 percent from 2019, but will be the seventh lowest since 1976, if realized. Compared with last year, growers in seven of the eight major sunflower-producing States expect an increase in acreage for oil type varieties or are unchanged this year. The only State expecting a decline is Colorado, where the expected planted area of 43,000 acres will represent the third lowest on record, if realized. Area intended for non-oil varieties, at 202,000 acres, is up 32 percent from last year and if realized will be the highest planted area for the Nation since 2015. Record low planted area for non-oil varieties is expected in California.

Flaxseed: Growers intend to plant 270,000 acres of flaxseed in 2020, twenty-eight percent less than was planted in 2019. Acreage in North Dakota, the largest flaxseed-producing State, is expected to be down 31 percent, or 85,000 acres from 2019.

Cotton: Growers intend to plant 13.7 million acres in 2020, down less than 1 percent from last year. Upland area is expected to total 13.5 million acres, down less than 1 percent from 2019. American Pima area is expected to total 228,000 acres, down 1 percent from 2019.

The largest increase in acres is expected in Texas. Compared with the previous year, 11 States are expected to plant fewer Upland cotton acres in 2020. If realized, Upland cotton planted area in Kansas, at 200,000 acres, will be a record high.

Sugarbeets: Area expected to be planted to sugarbeets for the 2020 crop year is estimated at 1.14 million acres, up 1 percent from 2019. Intended acreages are above the previous year in 5 of the 11 estimating States.

Tobacco: United States all tobacco area for harvest in 2020 is expected to total 201,800 acres, down 11 percent from 2019. If realized, this will be the lowest tobacco acres harvested on record. Flue-cured tobacco, at 130,500 acres, is 13 percent below 2019 and accounts for 65 percent of this year's total expected tobacco acreage. Total light air-cured tobacco type area, at 44,900 acres, is down 9 percent from 2019. The burley portion of light-air cured tobacco, at 44,500 acres, is down 8 percent from last year.

Fire-cured tobacco, at 14,300 acres, is down 11 percent from 2019. Dark air-cured tobacco, at 9,300 acres, is down 6 percent from last year. Cigar filler tobacco, at 2,800 acres, is up 27 percent from the previous year.

Dry beans: Growers intend to plant 1.37 million acres of dry edible beans in 2020, up 7 percent from the previous season's 1.29 million acres. Planted area is expected to be above last year in all estimating States except California.

Chickpeas: Area intended to be planted for all chickpeas is estimated at 306,000 acres, down 32 percent from last season. Small chickpea intentions, at 100,000 acres, are 5 percent below 2019, while large chickpea intentions, at 206,000 acres, are expected to decrease 41 percent from the previous year. If realized, chickpea acreage will be at the lowest level since 2015.

Lentils: Area planted for the 2020 crop year is expected to total 474,000 acres, down 2 percent from 2019. Planted area is expected to be lower than last season in Idaho, North Dakota, and Washington, while planting intentions are above last year in Montana. If realized, this will be the lowest planted area since 2014.

Dry edible peas: Area planted for the 2020 crop year is expected to total 971,000 acres, down 12 percent from last year. Intended plantings are down from a year ago in Idaho, Montana, Nebraska, North Dakota, and South Dakota. Growers in Washington intend to plant more acres than last season.

Statistical Methodology

Survey Procedures: The acreage estimates in this report are based primarily on surveys conducted during the first two weeks of March. The March Agricultural Survey is a probability survey that includes a sample of approximately 80,000 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 intentions for the 2020 crop year.

Estimating Procedures: National, Regional, State, and grower reported data were reviewed for reasonableness and consistency with historical estimates. Each Regional Field Office submits their analysis of the current situation to the Agricultural Statistics Board (ASB). Survey data are compiled to the National level and are reviewed at this level independently of each State's review. Acreage estimates were based on survey data and the historical relationship of official estimates to the survey data.

Revision Policy: Acreage estimates in the *Prospective Plantings* report will not be revised. These estimates are intended to reflect grower intentions as of the survey period. New acreage estimates will be made based on surveys conducted in June when crop acreages have been established or planting intentions are firm. These new estimates will be published in the *Acreage* report scheduled for June 30, 2020. Winter wheat is an exception. Since winter wheat was seeded prior to the March survey, any changes in estimates in this report are considered revisions. The estimate of the harvested acreage of winter wheat will be published on May 12, 2020, along with the first production forecast of the crop year.

Reliability: The survey used to make acreage estimates is subject to sampling and non-sampling errors that are common to all surveys. Sampling errors represent the variability between estimates that would result if many different samples were surveyed at the same time. Sampling errors for major crops are generally between 1.0 and 3.0 percent, but they cannot be applied directly to the acreage published in this report to determine confidence intervals because the official estimates represent a composite of information from more than a single source.

Non-sampling errors cannot be measured directly. They may occur due to incorrect reporting and/or recording, data omissions or duplications, and errors in processing. To minimize non-sampling errors, vigorous quality controls are used in the data collection process and all data are carefully reviewed for consistency and reasonableness.

To assist users in evaluating the reliability of acreage estimates in this report, the "Root Mean Square Error," a statistical measure based on past performance, is computed. The deviations between the acreage estimates in this report and the final estimates are expressed as a percentage of the final estimates. The average of squared percentage deviations for the latest 20 year period is computed. The square root of the average becomes statistically the "Root Mean Square Error." Probability statements can be made concerning expected differences in the current estimates relative to the final end of season estimates, assuming that factors affecting this year's estimates are not different from those influencing recent years. For example, the "Root Mean Square Error" for the corn planted estimate is 1.6 percent. This means that chances are 2 out of 3 that the current corn acreage estimate will not be above or below the final estimate by more than 1.6 percent. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 2.7 percent.

Also, shown in the following table is a 20 year record for selected crops of the difference between the *Prospective Plantings* planted acreage estimates and the final estimates. Using corn again as an example, changes between the intentions estimates and the final estimates during the past 20 years have averaged 1.07 million acres, ranging from 32,000 acres to 3.09 million acres. The prospective plantings estimates have been below the final estimate 10 times and above 10 times. This does not imply that the planted estimate this year is likely to understate or overstate the final estimate.

Reliability of Prospective Plantings Planted Acreage Estimates

[Based on data for the past twenty years]

Crop	Root mean square error	90 percent confidence interval	Difference between forecast and final estimate				
			Thousand acres			Years	
			Average	Smallest	Largest	Below final	Above final
	(percent)	(percent)	(1,000 acres)	(1,000 acres)	(1,000 acres)	(number)	(number)
Barley	7.3	12.7	203	31	401	7	13
Corn	1.6	2.7	1,066	32	3,092	10	10
Hay	2.9	4.9	1,278	34	3,769	2	18
Oats	6.5	11.2	152	21	490	6	14
Peanuts	7.6	13.1	95	8	216	12	8
Rice	6.8	11.8	164	16	335	10	10
Sorghum	8.3	14.3	487	31	1,114	11	9
Soybeans	3.2	5.5	1,642	185	8,517	9	11
Sugarbeets	2.0	3.4	18	-	67	8	12
Upland cotton	6.3	10.9	586	6	2,115	13	7
Wheat							
Winter wheat	1.7	2.9	558	21	1,242	7	13
Durum wheat	21.0	36.3	253	45	1,028	13	7
Other spring	5.5	9.6	545	78	2,083	10	10

- Represents zero.

USDA, National Agricultural Statistics Service Information Contacts

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

Lance Honig, Chief, Crops Branch	(202) 720-2127
Chris Hawthorn, Head, Field Crops Section	(202) 720-2127
David Colwell – Current Agricultural Industrial Reports	(202) 720-8800
Chris Hawthorn – Corn, Flaxseed, Proso Millet	(202) 720-2127
James Johanson – County Estimates, Hay	(202) 690-8533
Jeff Lemmons – Oats, Soybeans	(202) 690-3234
Irwin Anolik – Crop Weather.....	(202) 720-7621
Chris Hawthorn – Peanuts, Rice.....	(202) 720-2127
Jean Porter – Rye, Wheat	(202) 720-8068
Chris Singh – Cotton, Cotton Ginnings, Sorghum	(202) 720-5944
Travis Thorson – Barley, Sunflower, Other Oilseeds	(202) 720-7369
Jorge Garcia-Pratts, Head, Fruits, Vegetables and Special Crops Section.....	(202) 720-2127
Joshua Bates – Almonds, Apples, Apricots, Asparagus, Carrots, Coffee, Onions, Plums, Prunes, Sweet Corn, Tobacco	(202) 720-4288
Fleming Gibson – Cauliflower, Celery, Grapefruit, Lemons, Macadamia, Mandarins and tangerines, Mushrooms, Olives, Oranges	(202) 720-5412
Greg Lemmons – Cranberries, Cucumbers, Pistachios, Potatoes, Pumpkins, Raspberries, Squash, Strawberries, Sugarbeets, Sugarcane, Sweet Potatoes, Tame Blueberries, Wild Blueberries.....	(202) 720-4285
Dan Norris – Artichokes, Cantaloupes, Dry Edible Peas, Green Peas, Lentils, Nectarines, Papayas, Peaches, Snap Beans, Spinach, Walnuts, Watermelons	(202) 720-3250
Krishna Rizal – Dry Beans, Garlic, Hazelnuts, Honeydews, Kiwifruit, Lettuce, Maple Syrup, Mint, Pears, Sweet Cherries, Tart Cherries, Tomatoes	(202) 720-2157
Dawn Smoker – Avocados, Bell Peppers, Broccoli, Cabbage, Chickpeas, Chile Peppers, Dates, Floriculture, Grapes, Hops, Pecans	(202) 720-4215

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- All reports are available electronically, at no cost, on the NASS web site: www.nass.usda.gov
- Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit www.nass.usda.gov and click on “National” or “State” in upper right corner above “search” box to create an account and select the reports you would like to receive.
- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist notifications@usda-esmis.library.cornell.edu in your email client to avoid the emails going into spam/junk folders.

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

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USDA NASS Data Users' Meeting

**Virtual Meeting
Tuesday, April 21, 2020**

USDA's National Agricultural Statistics Service will hold a virtual meeting for users of U.S. domestic and international agriculture data. NASS is organizing the 2020 Data Users' Meeting in cooperation with five other USDA agencies – Agricultural Marketing Service, Economic Research Service, Farm Service Agency, Foreign Agricultural Service, and World Agricultural Outlook Board – and the Census Bureau's Foreign Trade Division. Agency representatives will provide updates on recent and pending changes in statistical and information programs important to agriculture, answer questions, and welcome comments and input from data users.

For registration details or additional information about the Data Users' Meeting, see the meeting page on the NASS website (https://www.nass.usda.gov/Education_and_Outreach/Meeting/index.php). Contact Vernita Murray (NASS) at 202-690-8141 or vernita.murray@usda.gov or Patricia Snipe (NASS) at 202-720-2248 or patricia.snipe@usda.gov for information.