

RECEIVED - AGRICULTURE

BULLETIN NO. 6
SEPTEMBER, 1919

**Colorado Cooperative Crop Reporting
Service**
(State and Federal)

U. S. Department of Agriculture
Bureau of Crop Estimates

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Division of Agricultural Statistics

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CORN

According to reports just compiled by the Colorado Cooperative Crop Reporting Service, W. W. Putnam, Field Agent for the Bureau of Crop Estimates, and Howard D. Sullivan, Deputy Commissioner of the State Board of Immigration, the production of corn for Colorado is far less than was indicated by the report of August 1. The condition of the crop on September 1 was but 62 percent of normal, compared with 79 percent on August 1, 90 percent on September 1 last year and an average condition on September 1 of 78 percent. This condition applied to about 900,000 acres devoted to the crop indicates a production of 13,950,000 bushels, compared with an estimate of 18,000,000 on August 1 and a revised estimate of 20,585,000 bushels for the 1918 crop. The heavy depreciation in the condition of corn was due largely to the severe drought that continued over the northern one-third of the state during August, a most critical period in the development of corn in Colorado. This drought was severe in most of the northeastern corner of the state, where corn is grown extensively, while comparatively little is grown in the districts where weather conditions were more favorable. Many fields of corn will not be harvested for grain this year, and thus the average yield per acre for the state will be very materially reduced.

The condition of corn in the United States on September 1 was 80 percent of normal, compared with 81.7 percent on August 1, 67.4 percent on September 1 last year and an average September 1 condition of 73.6 percent. This condition indicates a corn production for the country this year of 2,857,692,000 bushels, compared with 2,582,814,000 bushels last year and a five year average of 2,749,000,000 bushels.

WHEAT

The condition of spring wheat in Colorado continued to decline almost to harvest time as a result of continued dry weatehr. On September 1 the condition of this crop was but 65 percent of normal, compared with 80 percent on August 1, 76 percent on September 1 last year, and an average September 1 condition of 82 percent. Approximately 324,000 acres is devoted to the crop in the state, the indicated production being 5,539,000 bushels. The report of August 1 indicated a production of

12,510,000 bushels of winter wheat, making the total production of wheat in Colorado this year, according to September 1 indications, 18,049,000 bushels. This is more wheat than has ever before been produced in any year in Colorado, but the increase is due wholly to a very large increase in acreage. The average yields of both winter and spring wheat are much below the early estimates and far short of normal.

The condition of spring wheat for the United States also depreciated heavily during August, being but 48.5 percent of normal on September 1. This condition indicates a production on 22,593,000 acres devoted to the crop of 208,049,000 bushels, compared with 358,651,000 bushels last year and an average annual production of 235,444,000 bushels. The preliminary estimate of production of winter wheat for the United States this year is 715,000,000 bushels, making the total wheat production, as indicated September 1, 923,000,000 bushels.

OATS

Assessors' reports indicate that approximately 217,000 acres was planted to oats in Colorado this year. No estimate of the acreage abandoned has yet been made. The condition of the crop on September 1 was 73 percent of normal, compared with 81 percent on August 1. The depreciation in this crop during August was not quite so severe as that of spring wheat, for the reason climatic conditions in a general way were hardly so severe in the areas where oats are largely grown as in the districts that produce spring wheat. This condition indicates a production of 6,020,000 bushels, compared with a revised estimate of 6,336,000 bushels in 1918.

The condition of oats for the United States on September 1 was 73.1 percent of normal, compared with 76.5 percent on August 1, 84.4 percent on September 1 last year and an average September 1 condition of 81.8 percent. The indicated production was 1,224,815,000 bushels, compared with 1,538,359,000 bushels last year.

BARLEY

Assessors' reports show approximately 171,000 acres devoted to barley in Colorado this year. The condition of the crop on September 1 was 73 percent of normal, compared with 75 percent on August 1, 80 percent on September 1 last year and an average September 1 condition of 87 percent. The indicated production is 4,868,000 bushels, compared with 4,928,000 bushels last year and a five-year average of 4,400,000 bushels.

The condition of barley for the United States on September 1 was 69.2 percent, indicating a production of 195,312,000 bushels, compared with 256,375,000 bushels last year and a five-year average of 199,212,000 bushels.

POTATOES

The condition of potatoes in Colorado on September 1 was 72 percent of normal, a depreciation of 10 percent since August 1, due to continued dry weather in the northeastern part of the state and in most districts where potatoes are grown without irrigation. This may be compared with a condition of 84 percent on September 1 last year and an average September 1 condition of 80 percent. Reports of county assessors show about 92,000 acres devoted to the crop, upon which the indicated production is 10,598,000 bushels, compared with 13,083,000 for last year and an average of 8,411,000 bushels for the past ten years. The commercial production of potatoes in Colorado this year is estimated at 10,715 cars, compared with 13,675 cars last year and 13,803 cars in 1917. The San Luis Valley is the only large commercial producing district showing an increase in commercial potato production, its estimated output being 4,400 cars, or more than that of any other district. The Greeley district shows but 2,500 cars, compared with 5,740 cars last year and a normal of about 6,000 cars.

The condition of the potato crop for the United States on September 1 was 69.5 percent of normal, compared with 74.5 percent on September

1 last year and an average condition on September 1 of 75.1 percent. The estimated production is 349,194,000 bushels, compared with 400,106,000 bushels last year and an average production for the past five years of 366,046,000 bushels.

ALL HAY

The yield of hay per acre was slightly better in Colorado this year than last, though the acreage devoted to the crop was considerably smaller. The indicated production of all hay is 2,443,000 tons, compared with 2,469,000 tons last year. Alfalfa shows a slight increase both in acreage and tonnage, the indicated production being 1,565,000 tons, compared with 1,463,000 tons last year. The indicated production of hay for the United States is 102,480,000 tons, compared with 90,443,000 tons last year and an average production of 96,912,000 tons for the past five years.

PASTURES

The condition of pastures in Colorado remained about the same on September 1 as on August 1, being 80 percent of normal, compared with 81 percent August 1, 92 percent on September 1 last year and an average condition of 87 percent on September 1.

FIELD BEANS

Reports of county assessors showed about 72,000 acres of field beans to be planted in Colorado this year. Owing to conditions unfavorable to other crops about planting time the acreage of beans was increased somewhat, so that it is estimated about 90,000 acres of beans were planted. The condition of the crop on September 1 was 65 percent of normal, compared with 70 percent on August 1, 80 percent on September 1 last year and an average condition on September 1 of 86 percent. No estimate has been made yet of the percentage of acreage abandoned. The indicated production is 527,000 bushels, compared with 1,340,000 bushels last year and 1,950,000 bushels in 1917. The condition of the bean crop for the United States on September 1 was 72.9 percent of normal, compared with 76.2 percent on September 1 last year and an average condition on September 1 of 79.7 percent.

BROOM CORN

Reports of county assessors indicate about 17,000 acres devoted to broom corn in the state this year, compared with 30,000 acres last year. Production is estimated at 4,010 tons, compared with 5,200 tons last year. Weather conditions in the southeastern part of the state, where broom corn is chiefly grown, were favorable and the condition of the crop is good. The broom corn crop of the United States is placed at 56,200 tons, compared with 58,000 tons last year, and an average of 57,400 tons for the past ten years.

APPLES

The condition of the apple crop in Colorado on September 1 was 66 percent of normal, compared with 50 percent on September 1 last year and an average condition on September 1 of 64 percent. This condition figure indicates a production of 2,839,000 bushels this year, compared with 1,845,000 bushels last year. The apple crop for the United States is estimated at 153,000,000 bushels, compared with 169,911,000 bushels last year and an average annual production of 198,000,000 bushels.

PEACHES

The condition of the peach crop on September 1 was 70 percent of normal, compared with 55 percent on September 1 last year and an average condition of 54 percent on September 1. The quality is placed at 94 percent of normal. The estimated production is 902,000 bushels, compared with 754,000 bushels last year and an average annual production of 1,200,000 bushels. The condition of the peach crop for the United States on September 1 was 69.6 percent of normal, compared with 45.9

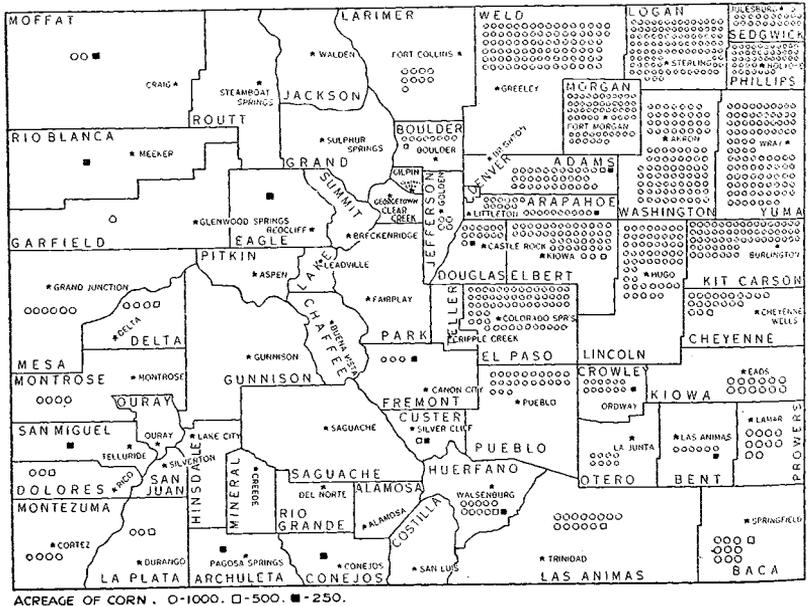
percent last year and an average of 56 percent on September 1. The indicated production is 50,435,000 bushels, compared with 34,133,000 bushels last year.

A summary of the September crop report for Colorado will be found on page 8 of this bulletin, giving figures in connection with other crops not mentioned in the foregoing text.

COUNTY ASSESSOR'S REPORTS ON AGRICULTURAL STATISTICS.

On page 5 of this bulletin will be found a table showing farm tenure, total number of farms reported and total farm acreage as reported to the State Immigration Department by the various county assessors. These reports, like the acreage reports published in the August number of this bulletin, are "incomplete" for certain counties, which are so marked. The report for no county is actually complete, for perhaps no county assessor in the state obtained a report from every farmer in his county. Most of the reports, however, are reasonably complete for the farm acreage that is actually being farmed, or what may be termed "improved farm acreage." Assessors had but little time this year to prepare for the extra work required in the collection of these statistics and undoubtedly much more complete reports will be obtained next year. Those who have access to the census reports for 1910 will be able to judge something of the completeness of the various county reports by comparing them with the county census reports on agriculture.

CORN MAP OF COLORADO, 1919.



This map shows the distribution of corn in Colorado this year, as indicated by the acreage reports of county assessors made to the State Immigration Department and published in the August number of the Crop Bulletin. No effort is made to show the distribution of corn acreage within counties, the symbols being placed within the county borders to indicate how much is grown in each county, without reference to what portions of the respective counties contain the acreage. The map shows all corn grown in the state for grain, silage and fodder.

FARM TENURE, NUMBER, AREA AND AVERAGE SIZE OF FARMS.

County	Owners	Renters	Owners and Renters	Tenure not Specified	Total No. Farms	Total Farm Area Reported	Average Size of Farms
1. Northwest.							
Grand	395	37	.....	4	436	144,647	331.7
Jackson	252	3	.....	5	260	130,781	503.0
Moffat	261	25	4	413**	703	216,790	308.4
Rio Blanco	376	45	12	10	443	154,675	349.2
Soutt	740	124	7	8	879	243,159	276.5
2. North Central.							
Adams	1,066	478	63	17	1,624	397,136	244.5
Boulder	526	333	19	1	879	122,740	139.6
Denver	.....	.....	.....	.....	.....	.....	.....
Larimer	700	480	3	5	1,188	230,531	194.1
Weld	2,331	1,673	99	335	4,938	1,063,941	215.5
3. Northeast.							
Logan	1,788	726	6	1	2,521	614,731	243.0
Morgan	974	406	69	54	1,503	340,343	226.4
Phillips	250	222	203	.....	675	272,293	404.0
Sedgwick	308	236	12	.....	556	172,827	308.6
Washington	1,653	470	87	34	2,244	894,217	389.5
Yuma	850	159	71	291	1,371	608,005	443.5
4. West Central.							
Delta	819	375	15	6	1,215	102,880	84.7
Eagle	183	52	2	3	240	70,645	211.0
Garfield	322	104	2	150	578	97,442	116.7
Gunnison	291	17	.....	18	326	95,716	293.6
Mesa	941	337	40	63	1,381	133,900	90.0
Montrose	707	304	47	41	1,099	144,916	104.6
Ouray*	58	9	1	.....	68	15,086	221.5
Pitkin	134	7	.....	.....	141	42,351	300.4
5. Central.							
Chaffee	116	38	.....	6	160	42,193	263.7
Clear Creek	23	3	.....	.....	26	10,517	404.5
Fremont	515	148	12	3	678	66,104	97.5
Gilpin	22	8	.....	.....	30	9,475	315.8
Jefferson	766	210	26	19	1,021	140,268	136.2
Lake	27	2	.....	.....	29	9,936	342.6
Park	122	24	4	37	187	77,329	413.5
Summit	78	2	.....	.....	81	22,221	274.3
Teller	126	39	6	23	194	46,487	244.8
6. East Central.							
Arapahoe	528	187	16	83	814	240,515	294.2
Cheyenne	457	46	2	10	515	166,410	323.1
Douglas	318	92	2	15	427	298,317	699.3
Elbert	990	273	20	18	1,301	671,709	516.3
El Paso	941	307	6	15	1,259	457,964	360.9
Kit Carson	758	284	49	153	1,244	513,934	413.1
Lincoln	823	317	8	171	1,219	368,261	302.1
7. Southwest.							
Archuleta	213	40	16	.....	269	147,955	550.0
Dolores	149	5	.....	.....	154	38,826	252.1
Hinsdale	35	.....	.....	.....	35	8,465	241.9
La Plata	555	121	.....	83	759	145,795	192.1
Mineral	28	1	.....	.....	29	16,854	581.2
Montezuma	586	77	2	7	672	99,254	147.7
San Juan	.....	.....	.....	.....	.....	.....	.....
San Miguel*	67	1	.....	.....	68	15,847	233.0
8. South Central.							
Alamosa	123	31	.....	4	158	56,765	359.3
Conejos	297	114	5	11	427	82,489	194.2
Costilla	239	100	24	5	368	272,065	739.3
Custer	119	9	.....	21	149	73,086	490.5
Huerfano	875	114	11	19	1,019	318,005	312.1
Rio Grande*	250	68	7	73	398	107,780	270.8
Saguache*	5	17	1	318	341	289,428	848.8
9. Southeast.							
Baca*	474	58	37	31	600	222,112	372.8
Bent	557	154	3	1	715	181,988	256.1
Crowley	369	209	47	33	658	144,276	219.2
Kiowa	462	90	.....	2	554	225,658	447.2
Las Animas	1,271	157	1	253	1,682	523,493	311.2
Otero	763	559	24	27	1,378	184,205	134.2
Prowers	758	348	55	10	1,171	322,427	266.8
Pueblo	923	251	34	59	1,267	297,970	210.0
State	32,153	11,026	1,180	2,970	47,329	13,196,135	278.8

*Report Incomplete. **Homesteads.

**CONDITION OF CROPS SEPTEMBER 1 PER CENT COMPARED WITH
NORMAL**

Districts and Counties	Corn			Spring Wheat			Oats		
	Irrigated	Non- Irrigated	All	Irrigated	Non- Irrigated	All	Irrigated	Non- Irrigated	All
1. Northwest.									
Grand	.....	.....	.....	100	70	90	100	70	91
Jackson	.....	.....	.....	.....	.....	.....	.....	.....	.....
Moffat	.....	10	.....	76	22	23	77	29	58
Rio Blanco	.....	.....	.....	94	53	60	90	50	69
Routt	.....	.....	.....	90	56	70	97	56	61
2. North Central.									
Adams	100	48	51	75	42	66	100	52	82
Boulder	76	36	64	52	20	51	68	15	58
Denver	.....	.....	.....	.....	.....	.....	.....	.....	.....
Larimer	75	27	44	53	8	44	62	11	50
Weid	69	33	41	61	15	38	70	19	53
3. Northeast.									
Logan	75	55	56	80	34	42	70	46	52
Morgan	83	58	61	80	30	50	87	28	72
Phillips	.....	65	65	.....	100	100	.....	100	100
Sedgwick	85	72	73	85	66	72	90	70	83
Washington	70	48	48	.....	53	53	.....	62	62
Yuma	.....	49	49	.....	68	68	.....	62	62
4. West Central.									
Delta	93	.....	93	82	.....	82	85	.....	85
Eagle	.....	45	45	100	.....	100	100	.....	100
Garfield	80	40	79	75	80	76	83	.....	82
Gunnison	.....	.....	.....	83	75	80	85	.....	85
Mesa	100	40	92	95	90	94	100	90	99
Montrose	98	80	97	95	.....	95	95	.....	95
Ouray	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pitkin	.....	.....	.....	100	.....	100	100	.....	100
5. Central.									
Chaffee	.....	.....	.....	93	.....	93	86	90	86
Clear Creek	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fremont	80	45	64	100	90	98	95	95	95
Gilpin	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jefferson	90	60	74	90	30	79	90	50	66
Lake	.....	.....	.....	.....	.....	.....	.....	.....	.....
Park	.....	.....	.....	.....	.....	.....	.....	.....	.....
Summit	.....	.....	.....	.....	.....	.....	.....	.....	.....
Teller	.....	.....	.....	.....	.....	.....	85	75	76
6. East Central.									
Arapahoe	94	76	77	98	30	57	97	40	59
Cheyenne	.....	90	90	.....	.....	.....	.....	80	80
Douglas	.....	90	90	.....	60	60	.....	65	65
Elbert	.....	70	70	.....	57	57	.....	70	70
El Paso	.....	83	83	93	65	70	93	72	77
Kit Carson	.....	66	66	.....	47	47	.....	80	80
Lincoln	.....	73	73	.....	75	75	.....	77	77
7. Southwest.									
Archuleta	.....	.....	.....	.....	.....	.....	.....	75	75
Dolores	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hinsdale	.....	.....	.....	.....	.....	.....	.....	.....	.....
La Plata	81	75	79	96	95	96	95	98	96
Mineral	.....	.....	.....	.....	.....	.....	.....	.....	.....
Montezuma	99	86	88	96	91	95	97	90	96
San Juan	.....	.....	.....	.....	.....	.....	.....	.....	.....
San Miguel	.....	.....	.....	.....	.....	.....	.....	85	85
8. South Central.									
Alamosa	.....	.....	.....	98	.....	98	94	.....	94
Conejos	96	.....	96	96	.....	96	91	.....	91
Costilla	.....	.....	.....	90	.....	90	90	.....	90
Custer	.....	.....	.....	.....	.....	.....	.....	.....	.....
Huerfano	93	75	77	100	79	82	108	78	87
Rio Grande	.....	.....	.....	96	.....	96	93	.....	93
Saguache	.....	.....	.....	100	.....	100	93	.....	93
9. Southeast.									
Baca	95	96	96	55	92	83	90	60	60
Bent	98	95	96	95	.....	95	88	.....	88
Crowley	50	80	70	90	.....	90	90	60	86
Kiowa	.....	100	100	.....	100	100	.....	90	90
Las Animas	85	82	82	94	89	92	90	75	84
Otero	99	88	95	95	.....	95	81	.....	81
Prowers	93	88	91	97	83	90	88	73	85
Pueblo	88	55	68	75	30	55	85	30	60

**CONDITION OF CROPS SEPTEMBER 1 PER CENT COMPARED WITH
NORMAL.**

Districts and Counties	Barley			White Potatoes (Irish)			Beans All	Pasture Cond.
	Irrigated	Non- Irrigated	All	Irrigated	Non- Irrigated	All		
Counties.								
1. Northwest.								
Grand	100	70	93	100	87	92	.....	82
Jackson	.....	.....	.....	.....	.....	.....	.....	.....
Moffat	60	25	32	72	36	37	.....	66
Rio Blanco	82	62	65	85	48	63	.....	66
Routt	95	64	68	98	55	58	.....	60
2. North Central.								
Adams	75	45	56	.....	15	.....	80	48
Boulder	68	15	64	27	31	28	17	63
Denver	.....	.....	.....	.....	.....	.....	.....	.....
Larimer	63	6	52	80	30	62	36	50
Weld	66	22	50	51	29	44	39	50
3. Northeast.								
Logan	88	45	63	82	30	39	50	71
Morgan	89	31	58	76	47	60	76	79
Phillips	.....	100	100	.....	35	35	.....	75
Sedgwick	88	80	85	58	28	58	.....	75
Washington	.....	67	67	.....	47	47	34	65
Yuma	.....	63	63	.....	30	30	60	66
4. West Central.								
Delta	80	.....	80	70	.....	70	99	67
Eagle	100	.....	100	95	.....	95	.....	100
Garfield	79	.....	70	74	20	73	.....	75
Gunnison	85	60	82	88	63	81	.....	83
Mesa	98	80	97	88	20	83	100	93
Montrose	94	90	92	81	40	81	91	85
Ouray	.....	.....	.....	.....	.....	.....	.....	.....
Pitkin	100	.....	100	95	.....	95	.....	80
5. Central.								
Chaffee	88	.....	88	66	60	66	.....	96
Clear Creek	.....	.....	.....	.....	.....	.....	.....	.....
Fremont	92	98	95	75	68	71	80	92
Gilpin	.....	100	100	.....	90	90	.....	90
Jefferson	90	40	77	.....	85	85	.....	90
Lake	.....	.....	.....	.....	.....	.....	.....	.....
Park	.....	.....	.....	.....	.....	.....	.....	100
Summit	.....	.....	.....	.....	.....	.....	.....	.....
Teller	85	75	76	.....	62	62	.....	100
6. East Central.								
Arapahoe	93	20	45	93	65	73	73	79
Cheyenne	.....	78	78	.....	.....	.....	96	97
Douglas	.....	.....	.....	.....	65	65	.....	80
Elbert	.....	65	65	.....	33	33	.....	67
El Paso	99	83	85	85	59	60	85	87
Kit Carson	.....	81	81	.....	32	32	.....	68
Lincoln	.....	82	82	.....	58	58	81	78
7. Southwest.								
Archuleta	.....	.....	.....	.....	.....	.....	.....	.....
Dolores	.....	.....	.....	.....	.....	.....	.....	.....
Hinsdale	.....	.....	.....	.....	.....	.....	.....	.....
La Plata	95	97	95	74	83	76	95	109
Mineral	.....	.....	.....	.....	.....	.....	.....	.....
Montezuma	98	93	98	95	92	94	69	90
San Juan	.....	.....	.....	.....	.....	.....	.....	.....
San Miguel	.....	90	90	.....	85	85	.....	100
8. South Central.								
Alamosa	95	.....	95	99	.....	99	90	112
Conejos	90	.....	90	86	.....	86	100	112
Costilla	100	.....	100	.....	.....	.....	100	100
Custer	.....	.....	.....	80	80	80	.....	75
Huerfano	109	82	102	50	33	34	97	110
Rio Grande	98	.....	98	80	.....	80	.....	102
Saguache	99	.....	99	98	.....	98	.....	108
9. Southeast.								
Baca	75	91	90	.....	.....	.....	20	108
Bent	96	.....	96	90	.....	90	60	102
Crowley	90	60	89	.....	.....	.....	51	90
Kiowa	.....	90	90	.....	.....	.....	90	110
Las Animas	97	73	89	100	63	64	79	92
Otero	79	.....	79	.....	.....	.....	72	98
Prowers	89	79	87	.....	.....	.....	66	100
Pueblo	80	35	60	.....	.....	.....	50	68

**SUMMARY OF THE SEPTEMBER 1, 1919, CROP AND LIVESTOCK REPORT
FOR COLORADO AND THE UNITED STATES**

Subject	Colorado			United States		
	1919	1918	Ave.	1919	1918	Average
Corn—For Grain—						
Acres for harvest....	*900	‡895	‡532	102,977	107,494	105,566
Condition, per cent....	62	90	78	80	67.4	73.6
Production, bus.	13,950	20,585	10,640	2,858,000	2,532,814	2,749,349
All Wheat—						
Production, bus.	18,049	13,335	‡13,536	923,000	917,100	791,000
Acres harvested.....	*834	‡732	‡336	48,933	36,704	34,059
Acres harvested.....	*834	‡732	‡336	48,933	36,704	34,059
Ave. yield per acre..	15	16.5	.....	14.6	15.2	16.1
Production, bus.	12,510	7,095	6,992	715,000	558,000	555,000
Spring Wheat—						
Acres harvested.....	324	312	‡264	22,593	22,406	18,406
Condition, per cent....	65	76	82	48.5	82.1	73.9
Production, bus.	5,539	6,240	‡5,808	208,000	359,000	235,444
Oats—						
Acres harvested.....	*217	‡192	.....	42,365	44,406	39,456
Condition, per cent....	73	85	85	73.1	84.4	81.8
Production, bus.	6,020	6,336	.....	1,224,815	1,538,359	1,331,287
Barley						
Acres harvested.....	171	‡176	‡168	8,899	9,679	7,500
Condition, per cent....	73	80	87	69.2	81.5	78.7
Production, bus.	4,868	4,928	4,440	195,312	256,375	199,212
Rye—						
Acres harvested.....	*120	‡117	.....	6,576	6,185	2,711
Ave. yield per acre..	10	12	.....	12.9	14.4	16.6
Production, bus.	1,200	735	.....	84,600	90,200	50,000
White Potatoes—						
Acres harvested.....	*92	‡98	80	4,003	4,210	3,678
Condition, per cent....	72	84	80	69.5	74.5	75.1
Production, bus.	10,598	13,083	8,411	349,194	400,106	366,946
Hay (Tame)						
Acres	922	951	‡970	54,872	55,971	‡55,203
Production, tons	2,028	2,045	‡2,376	86,149	75,459	‡83,303
Hay (Wild)						
Acres	415	451	‡451	14,487	15,283	‡16,212
Production, tons	415	424	460	16,331	14,374	‡15,131
All Hay						
Acres	1,337	1,402	‡1,421	69,719	71,254	71,415
Production, tons	2,443	2,469	‡2,836	102,480	90,443	96,912
Alfalfa						
Acreage for harvest ..	*602	585	.....	8,224	.....	.....
Production, tons	1,565	1,463	.....	13,438	.....	.....
Pastures						
Condition, per cent....	80	92	‡87	.....	.....	.....
Field Peas						
Condition, per cent....	95	88	92	77.9	75.9	83.0
Field Beans						
Acres planted	*90	252	‡250	.....	.....	.....
Condition, per cent....	65	80	86	72.9	76.2	79.7
Production, bus.	527	‡1,340	‡1,950	.....	.....	.....
Tomatoes						
Condition, per cent ..	82	88	83	68.5	80.3	79.0
Cabbage						
Condition, per cent ..	83	88	86	76.9	75.1	80.2
Onions						
Condition, per cent ..	83	90	86	80.5	81.1	82.1
Apples						
Condition, per cent ..	66	50	64	51.0	54.3	55.0
Production, bus.	2,839	1,845	.....	153,000	169,911	198,000
Com. pro'ctn, (bbls.)	804	527	.....	22,950	24,584	.....
Peaches						
Production, per cent..	70	55	54	69.6	45.9	56.0
Quality	94	.....	.....	.....	.....	.....
Production, bus.	902	754	‡1,200	50,435	34,133	48,100
Pears						
Condition, per cent....	85	80	60	66.8	60.3	64.6
Production, bus.	217	194	‡320	°12,807	°10,342	°.....
Production, bus. ....	.....	.....	.....	**8,425	**7,589	**.....
Cantaloupes						
Production, per cent..	84	79	.....	79.6	73.3	77.5
Sugar Beets						
Acres	236.3	142	‡183.6	792	689.7	‡806.6
Condition, per cent ..	75	85	91	79	86.8	89.4
Broom Corn						
Acres	17	30	‡30	‡268	314	299
Production, tons	4.01	5.2	‡4.6	‡56.2	58	‡57.4

Explanations:—*Preliminary acreage figures 1919 based upon incomplete returns of assessors' agricultural statistics.
 †Revised 1918 figures. ‡1917 figures instead of average. §Five principal states July 1 figures. °Agricultural. **Commercial.
 Acreage and production figures merely enumerate thousands and require the addition of three ciphers to complete them.