

JULY, 1919

Colorado Cooperative Crop Reporting Service (State and Federal)

U. S. Department of Agriculture

Bureau of Crop Estimates

Leon M. Estabrook, *Chief*

W. W. Putnam, *Field Agent*

Colorado State Board of Immigration

Division of Agricultural Statistics

Edward D. Foster, *Commissioner*

Howard D. Sullivan, *Deputy*

WINTER WHEAT

Weather conditions remained generally unfavorable for wheat in Colorado during June, with the result that the condition of winter wheat on July 1 was but 75 per cent of normal, a depreciation of seven per cent from June 1. This is an unusually low condition for winter wheat at this season, the average for the past ten years being 83 per cent, and the condition on July 1 of last year being 78 per cent, following a period of unusually hot and dry weather. The production indicated by the condition of the crop on July 1 was 11,885,000 bushels, a drop of 766,180 bushels from the June 1 estimate. The drought that began in May continued during most of June, being particularly severe in the north central northwestern parts of the state, in parts of Weld, Larimer, Boulder, Arapahoe, Adams, Jefferson, Morgan, Logan, Moffat and Rio Blanco counties. Other parts of the state suffered for want of moisture, but the drought was not nearly so severe as in the districts described.

The condition of winter wheat in the United States on July 1 was 89 per cent as compared with 94.9 per cent on June 1, 79.5 per cent on July 1 last year and an average of 80.5 per cent for the preceding ten years. This condition indicates a production of 839,000,000 bushels, compared with 558,449,000 bushels last year and an average of 552,594,000 for the preceding ten years. The estimated acreage devoted to the crop is 48,933,000 acres.

SPRING WHEAT

Spring wheat in Colorado suffered severely from the dry weather in June, but it continues to show a better condition than winter wheat. Showers early in July have improved the condition of this crop to some extent. On July 1 it showed a condition estimated at 80 per cent of normal, a depreciation of nine per cent since June 1. Preliminary acreage reports collected for the Colorado Cooperative Crop Reporting Service by county assessors indicate that the area devoted to this crop in the state is 340,000 acres, and the condition of the crop on July 1 indicated a total production of 6,936,000 bushels. The condition of the crop at this time last year was 75 per cent and the forecasted production at that time was 6,240,000 bushels. The average condition of spring wheat for

Colorado on July 1 is 84 per cent and the 1917 production was 5,808,000 bushels.

Spring wheat also suffered considerable depreciation nationally since June 1, the condition of the crop for the United States being 80.9 per cent of normal, compared with 91.2 per cent on June 1, 86.1 per cent on July 1 last year and an average of 83.5 on July 1 for the past ten years. The area devoted to this crop in the United States is estimated at 22,593,000 acres and the estimated production is 322,000,000 bushels, compared with a forecast of 343,000,000 bushels on June 1 and a final estimate last year of 358,651,000 bushels. This makes the estimated production of all wheat in the United States this year 1,161,000,000 bushels, compared with a production of 917,100,000 last year.

OATS

No change is made in the estimated acreage of oats in Colorado at this time, which was placed at 190,000 acres on June 1, the estimate being based upon preliminary acreage reports from county assessors. The condition of the crop on July 1 was placed at 83 per cent, a depreciation of 12 per cent since June 1, due to the drought prevailing in June. The condition of the crop on July 1 last year was 87 per cent and the average condition for the past ten years has been 86 per cent. The production indicated by the condition of the crop on July 1 this year was 6,702,000 bushels, compared with an estimated production last year of 6,336,000 bushels.

The condition of oats in the United States declined to 87 per cent on July 1, from 93.2 per cent a month previous. The acreage estimate remains the same as a month ago, 42,356,000 acres, compared with 44,475,000 acres last year. The forecasted production is 1,403,000,000 bushels, compared with a forecast of 1,446,000,000 last month and a production of 1,538,359,000 bushels last year.

BARLEY

The preliminary report on the acreage of barley in Colorado remains the same as last month, 170,720 acres, acreage reports from county assessors not yet being nearly enough complete to justify final figures. The condition of the crop declined from 88 per cent on June 1 to 81 per cent on July 1, the decline being due to the same drought condition that affected other grains so adversely during that period. This acreage and condition indicates a production of 4,017,000 bushels, compared with 4,928,000 bushels last year. The condition of barley in the United States on July 1 was 87.4 per cent, compared with 84.7 per cent on the same date last year, and an average of 84.6 per cent on the same date for the past ten years. The indicated production is 231,000,000 bushels, compared with 256,375,000 last year.

RYE

Rye in Colorado also suffered severely from the June drought, its condition on July 1 being 84 per cent of normal, a decline of eight per cent since June 1. Assessors' reports are not nearly enough complete to justify final figures on the acreage of this crop, the preliminary figures of 120,000 acres remaining unchanged. The indicated production is 1,310,000 bushels, compared with 735,000 bushels last year. The condition of the crop in the United States on July 1 was 85.7 per cent, compared with 93.5 per cent June 1, 80.8 per cent on July 1 last year and an average of 87.3 per cent on July 1 for the past ten years. The indicated production is 103,000,000 bushels, compared with 90,200,000 bushels last year.

POTATOES

Preliminary estimates based upon returns of county assessors indicate that the acreage of potatoes in Colorado this year is 92,000 acres.

compared with a revised estimate of 98,000 acres last year. A decrease in acreage is reported in all commercial potato producing districts except the San Luis valley. The condition of the crop on July 1 was estimated at 85 per cent of normal, compared with 89 per cent last year and an average July 1 condition of 90 per cent. This condition indicates a production of 11,730,000 bushels, compared with 13,083,000 bushels last year.

The condition of the potato crop in the United States on July 1 was 87.6 per cent of normal, compared with 87.6 per cent last year and an average condition on July 1 of 87.1 per cent. The area devoted to this crop is 4,003,000 acres, compared with 4,210,000 last year. This acreage and condition indicates a production this year of 391,000,000 bushels, compared with 400,106,000 bushels last year.

ALFALFA

The condition of alfalfa in Colorado on July 1 was 83 per cent, a depreciation of 10 per cent since June 1. Assessors' acreage figures indicate that there will be little change from the preliminary estimate of 591,000 acres, on which the estimated production is 1,349,000 tons, compared with 1,462,500 tons last year. The condition of all hay for the state is 84 per cent of normal, compared with 87 per cent on July 1 last year and an average condition on July 1 of 88 per cent. The indicated production is 2,965,000 tons, compared with 2,469,000 tons last year.

The condition of all hay in the United States on July 1 was 91.1 per cent, compared with 82.2 per cent on July 1 last year and an average July 1 condition of 82.4 per cent for the past ten years. The acreage is estimated at 71,224,000 acres, on which the estimated production is 116,000,000 tons, compared with 90,400,000 tons last year and an average production of 96,900,000 tons.

PASTURES

The condition of pastures in Colorado on July 1 was 85 per cent, compared with 96 per cent on June 1, 84 per cent on July 1 last year and an average July 1 condition of 88 per cent. Range pastures suffered heavily from the drought during June in the north central part of the state and less severely in most other sections.

FIELD PEAS

Field peas are grown in Colorado principally in the San Luis valley, where moisture conditions were generally much more favorable during June than in most other sections of the state, and where the supply of irrigation water is adequate. The condition of this crop on July 1 was 98 per cent of normal, compared with 89 per cent on July 1 last year and an average condition on July 1 of 90 per cent. Acreage reports for this crop are not yet far enough advanced to announce an estimate.

FIELD BEANS

Preliminary compilations of assessors' reports indicate that the area devoted to field beans in this state this year will be about 90,000 acres, compared with 252,000 acres last year. The decrease is due chiefly to the unsatisfactory prices obtained by the growers for last year's crop. Condition on July 1 was estimated at 74 per cent of normal, compared with 94 per cent on July 1 last year. These figures indicate a production of 866,000 bushels, compared with a revised estimate of 1,340,000 bushels last year and 1,950,000 bushels in 1917.

TOMATOES

The condition of tomatoes in Colorado on July 1 was 75 per cent of normal, compared with 91 per cent on July 1 last year and an average

condition on July 1 of 82 per cent. Acreage reports are not sufficiently complete to announce an estimate .

CABBAGE

The condition of the cabbage crop in Colorado on July 1 was 85 per cent of normal, compared with 92 per cent on June 1, 91 per cent on July 1 last year and an average condition of 87 per cent on July 1. Acreage reports for this crop are yet incomplete, but indications are that the area devoted to this crop is approximately 6,000 acres.

ONIONS

The condition of onions in Colorado on July 1 was 86 per cent, compared with 90 per cent on June 1, 92 per cent on July 1 last year and an average condition of 89 per cent on July 1. Acreage reports are yet incomplete, but indications are that the acreage is considerably below the normal, estimated at about 725 acres.

SUGAR BEETS

The condition of sugar beets in Colorado on July 1 was 73 per cent, compared with 83 per cent on June 1, 89 per cent on July 1 last year and an average condition of 89 per cent for July 1. The acreage originally devoted to this crop this year was considerably above the normal, but there has been some abandonment, resulting from the frost of June 1 and other unfavorable weather conditions. Acreage reports are not yet sufficiently complete to announce a preliminary estimate.

CANTALOUPE

The condition of cantaloupes in Colorado is estimated at 75 per cent, compared with 50 per cent on June 1, 89 per cent on July 1 last year and an average condition of 89 per cent on July 1. The commercial crop was seriously damaged by the frost of June 1, but much of the acreage was replanted and moisture conditions in the Arkansas valley, where most of the crop is grown, were such as to improve the outlook very materially during the month of June.

FRUIT

In Colorado the condition of apples on July 1 was 67 per cent of normal, compared with 70 per cent on June 1, 50 per cent on July 1 last year and an average condition of 68 per cent on July 1. The condition indicates a production of 2,800,000 bushels, compared with 1,845,000 bushels last year. The low condition of this crop is due chiefly to the frost of June 1, some dropping of young fruit since then and especially to leaf roller and other insect pests. The condition of apples in the United States on July 1 was 56.6 per cent, compared with 59.7 per cent on July 1 last year and an average July 1 condition of 60.9 per cent. The indicated production is 156,000,000 bushels, compared with 174,000,000 bushels last year.

The condition of peaches in Colorado on July 1 was 71 per cent of normal, compared with 70 per cent on June 1, 50 per cent on July 1 last year and an average July 1 condition of 54 per cent. This indicates a production of 883,000 bushels, compared with 633,000 bushels last year. The condition of the crop in the United States on July 1 was 69 per cent of normal, compared with 46.5 per cent on July 1 last year and an average condition of 56.1 per cent on July 1. The forecast places the production at 50,000,000 bushels, compared with 39,100,000 bushels last year.

The condition of pears in Colorado on July 1 was 74 per cent of normal, compared with 90 per cent on June 1, 80 per cent on July 1 last year and an average condition on July 1 of 60 per cent. This indicates a production of 189,000 bushels, compared with 194,000 bushels last year.

LIVESTOCK

Livestock generally are in good condition, except in the north central

part of the state, where ranges have been severely damaged by the drought and a redistribution of the stock in the national forests has become necessary. This condition applies to about all of District 2, to the western parts of Districts 3 and 6, and parts of Districts 1 and 5.

CONDITIONS OF CROPS BY COUNTIES

On pages 6 and 7 will be found tables giving the condition of crops by counties in percentages of normal. Reporters have been asked to report the condition of irrigated and non-irrigated crops separately, in cases where there is considerable acreage devoted to the crops both with and without irrigation. In such cases a composite condition figure has been prepared, based upon the relative acreages irrigated and non-irrigated, as reported by county assessors.

Summaries of the July 1 crop report for both Colorado and the United States will be found on page 8.

Constructive criticism regarding this monthly crop report and suggestions for its improvement are desired. Some counties at the present time are inadequately reported and the Cooperative Crop Reporting Service invites those interested and willing to report condition of crops in their locality to communicate with the service at Denver and receive the proper blanks.

CROP REPORTING DISTRICTS FOR COLORADO



For convenience in collecting and compiling crop statistics for Colorado the state is divided into nine districts as indicated on the map above. In all issues of this bulletin reports on crops and livestock by counties will be arranged by districts. The map is published here for the convenience of those interested in these reports.

Those who receive these reports are urged to preserve each copy and thus retain a complete file for reference.

CONDITIONS OF CROPS JULY 1, COMPARED WITH NORMAL

Districts and Counties	Winter Wheat			Spring Wheat			Oats			Rye All	Beans All
	Irrigated	Non-Irrigated	All	Irrigated	Non-Irrigated	All	Irrigated	Non-Irrigated	All		
1. Northwest.											
Grand .....	....	....	....	....	....	....	....	50	56	75	....
Jackson .....	....	....	....	....	....	....	95	85	85	....	....
Moffat	84	59	58	87	68	70	79	53	56	67	100
Rio Blanco	100	62	62	93	67	71	97	50	72	77	....
Routt	83	74	75	93	81	86	95	83	84	90	....
2. North Central.											
Adams	85	55	58	90	57	81	75	63	70	75	93
Boulder	73	24	60	72	18	70	72	27	64	....	45
Denver .....	....	....	....	....	....	....	....	....	....	....	....
Larimer	75	23	56	63	17	54	62	14	51	64	38
Weid	72	29	40	68	31	50	71	35	59	49	37
3. Northeast.											
Logan	94	83	93	92	78	80	91	69	73	94	88
Morgan	92	50	52	90	41	60	89	40	77	63	82
Phillips .....	....	97	97	....	55	55	....	93	93	88	100
Sedgwick	98	97	97	89	82	84	91	84	86	99	100
Washington .....	....	79	80	....	80	80	....	84	84	87	93
Yuma .....	....	89	89	....	99	95	....	100	100	97	90
4. West Central.											
Delta	94	90	94	93	....	93	94	....	94	91	91
Eagle	100	....	100	95	....	95	97	....	97	....	....
Garfield	85	35	70	80	30	78	74	25	72	70	80
Gunnison .....	....	....	....	85	50	74	77	50	71	70	....
Mesa	98	90	96	84	90	84	92	90	92	....	91
Montrose	96	90	96	103	100	102	98	....	98	100	98
Ouray .....	....	....	....	....	....	....	....	....	....	....	....
Pitkin	108	100	103	115	100	105	115	....	115	100	....
5. Central.											
Chaffee	100	....	100	93	90	93	89	....	89	....	75
Clear Creek .....	....	....	....	....	....	....	....	....	....	....	....
Fremont	83	60	74	75	70	74	88	60	74	90	75
Gilpin .....	....	....	....	....	....	....	....	....	....	....	....
Jefferson	62	40	54	62	57	62	62	57	60	58	....
Lake .....	....	....	....	....	....	....	....	....	....	....	....
Park .....	....	....	....	....	....	....	....	....	....	....	....
Summit .....	....	....	....	....	....	....	....	....	....	....	....
Teller .....	....	....	....	....	....	....	....	75	75	75	....
6. East Central.											
Arapahoe	90	56	59	84	72	77	90	67	75	84	63
Cheyenne .....	....	84	84	....	77	77	....	80	80	90	83
Douglas .....	....	70	70	....	85	85	....	90	90	90	....
Elbert .....	....	86	86	....	96	90	....	96	90	91	88
El Paso .....	....	86	86	91	82	83	99	95	96	89	93
Kit Carson .....	....	80	80	95	96	96	....	96	96	83	95
Lincoln .....	....	96	96	....	95	95	....	91	91	102	89
7. Southwest.											
Archuleta .....	....	....	....	....	....	....	....	88	88	....	....
Dolores .....	....	....	....	....	....	....	....	....	....	....	....
Hinsdale .....	....	....	....	....	....	....	....	....	....	....	....
La Plata	89	71	87	95	80	94	90	73	89	75	81
Mineral .....	....	....	....	....	....	....	....	....	....	....	....
Montezuma	98	84	92	97	70	91	97	98	97	64	75
San Juan .....	....	....	....	....	....	....	....	....	....	....	....
San Miguel .....	....	95	95	....	....	....	....	90	90	100	....
8. South Central.											
Alamosa	95	....	95	99	....	99	97	....	97	....	....
Conejos .....	....	....	....	....	....	....	97	....	97	....	....
Costilla	105	....	100	....	....	....	113	....	100	110	100
Custer .....	....	....	75	....	78	75	....	75	75	....	....
Huerfano	100	95	95	103	96	97	103	95	97	90	86
Rio Grande .....	....	....	....	99	....	99	99	....	99	100	....
Saguache .....	....	....	....	105	....	95	90	....	90	....	....
9. Southeast.											
Baca .....	....	103	103	....	105	103	....	93	93	....	100
Bent	106	90	105	100	85	95	98	88	96	90	70
Crowley	106	70	103	106	70	88	95	70	91	77	60
Kiowa .....	....	....	95	....	....	....	....	....	....	96	....
Las Animas	65	93	91	100	85	102	100	89	95	93	82
Otero	103	....	103	88	90	88	99	80	97	....	84
Prowers	101	96	100	96	89	88	94	80	91	90	70
Pueblo	105	85	91	100	73	87	98	78	89	79	73

CONDITIONS OF CROPS JULY 1, COMPARED WITH NORMAL

Districts and Counties	Barley			Corn			Potatoes			Hay All	Pastures All
	Irrigated	Non-Irrigated	All	Irrigated	Non-Irrigated	All	Irrigated	Non-Irrigated	All		
1. Northwest.											
Grand .....	.....	.....	.....	.....	.....	.....	.....	90	90	50	65
Jackson	95	85	89	.....	.....	.....	.....	100	100	83	78
Moffat	86	63	67	.....	75	75	95	82	82	69	68
Rio Blanco	100	75	79	.....	.....	.....	100	90	91	67	75
Routt	95	81	86	.....	.....	.....	100	90	94	87	83
2. North Central.											
Adams	100	53	71	.....	.....	70	90	92	90	89	55
Boulder	75	32	72	73	55	68	68	61	62	81	51
Denver .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Larimer	58	42	55	68	47	52	70	47	61	71	50
Weld	66	37	54	71	52	57	65	56	62	74	51
3. Northeast.											
Logan	90	70	78	86	78	80	88	87	87	84	87
Morgan	89	52	69	85	83	83	89	78	83	86	74
Phillips .....	.....	.....	.....	.....	95	95	97	97	97	90	78
Sedgwick	92	83	89	75	84	83	93	90	92	94	95
Washington .....	.....	88	88	.....	80	80	.....	97	95	94	92
Yuma .....	.....	94	94	.....	72	72	.....	94	94	95	101
4. West Central.											
Delta	95	.....	95	96	.....	96	91	.....	91	77	73
Eagle	100	.....	100	90	.....	90	92	.....	92	83	85
Garfield	100	80	87	100	.....	100	89	.....	89	53	85
Gunnison	85	50	77	.....	.....	.....	88	60	80	87	80
Mesa	87	.....	87	86	.....	86	97	90	93	96	87
Montrose	98	.....	98	95	.....	95	84	.....	85	83	98
Ouray .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pitkin	90	.....	90	.....	.....	.....	100	.....	100	103	90
5. Central.											
Chaffee	84	.....	84	.....	.....	.....	89	.....	89	76	81
Clear Creek .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fremont	95	60	76	92	80	87	90	75	81	94	83
Gilpin .....	.....	.....	.....	.....	.....	.....	95	95	95	90	90
Jefferson	70	40	63	70	75	73	95	90	92	80	.....
Lake .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	100	54
Park .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Summit .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Teller .....	.....	70	70	.....	.....	.....	.....	.....	96	75	80
6. East Central.											
Arapahoe	82	59	67	79	57	58	95	76	81	83	70
Cheyenne .....	.....	91	91	.....	85	85	.....	86	86	103	105
Douglas .....	.....	.....	85	.....	.....	.....	100	100	98	70	.....
Elbert .....	.....	96	96	.....	94	94	.....	99	99	97	70
El Paso .....	.....	85	85	.....	88	88	95	103	99	92	97
Kit Carson .....	.....	96	96	.....	79	79	95	98	98	100	101
Lincoln .....	.....	96	96	.....	84	84	.....	99	99	106	102
7. Southwest.											
Archuleta .....	.....	88	88	.....	.....	.....	60	70	70	88	80
Dolores .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hinsdale .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
La Plata	94	95	94	78	82	80	91	88	90	74	78
Mineral	99	95	98	.....	.....	.....	.....	.....	.....	.....	.....
Montezuma .....	.....	.....	.....	.....	.....	.....	88	90	88	62	55
San Juan .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
San Miguel .....	.....	95	95	.....	.....	90	.....	90	90	95	100
8. South Central.											
Alamosa	96	.....	96	100	.....	100	98	.....	98	105	115
Conejos	100	.....	100	90	.....	90	.....	.....	.....	98	97
Costilla	102	.....	102	.....	.....	.....	98	.....	98	107	125
Custer	79	.....	79	.....	.....	.....	100	100	100	80	75
Huerfano	100	93	98	88	88	88	100	100	100	81	103
Rio Grande	94	.....	94	.....	.....	.....	95	.....	95	85	98
Saguache	97	.....	97	.....	.....	.....	96	.....	96	101	102
9. Southeast.											
Baca .....	.....	103	103	.....	95	95	80	80	80	100	108
Bent	103	75	99	96	79	87	100	100	100	104	101
Crowley	100	70	99	110	70	83	100	.....	100	.....	100
Kiowa .....	.....	.....	.....	.....	.....	95	.....	.....	.....	.....	.....
Las Animas	95	90	93	84	74	75	.....	80	80	94	95
Otero	104	.....	104	93	76	87	75	75	75	106	102
Prowers	97	83	94	97	93	95	.....	.....	90	90	102
Pueblo	98	85	92	90	80	84	.....	90	90	103	92

SUMMARY OF THE JULY 1, 1919, CROP AND LIVESTOCK REPORT FOR COLORADO AND THE UNITED STATES.

Subject.	Colorado			United States		Average
	1919	1918	Ave.	1919	1918	
CORN—						
Acres for harvest.....	*985	†895	‡532	192,977	107,494	105,566
Condition, per cent.....	79	89	87	86.7	87.1	84.0
Production, bus.	23,148	20,585	10,640	2,815,000	2,582,814	2,761,252
ALL WHEAT ACRES. *1,174	†1,044	‡633		71,526	59,110	52,465
Per cent remain- ing on farms.....	2	1	.....	1.96	1.3	
No. bus. remaining on farms.....	267	135	‡297	17,973	8,063	37,413
Production, bus.	18,821	13,335	‡13,536	1,161,000	917,100	809,357
WINTER WHEAT—						
Acres for harvest.....	*834	†732	‡336	48,933	36,704	34,059
Condition, per cent.....	75	78	83	89	79.5	80.5
Production bus.	11,885	7,095	‡7,728	839,000	558,449	552,594
SPRING WHEAT—						
Acres for harvest.....	*340	312	‡264	22,593	22,406	18,406
Condition, per cent.....	80	75	84	80.9	86.1	83.5
Production, bus.	6,936	6,240	‡5,808	322,000	358,651	256,763
OATS—						
Acres for harvest.....	*190	†192	.....	42,365	44,400	39,456
Condition, per cent.....	83	87	86	87	85.5	84.5
Production, bus.	6,702	6,336	.....	1,403,000	1,538,359	1,296,406
BARLEY—						
Acres for harvest.....	*171	†176	‡168	8,899	9,679	7,500
Condition, per cent.....	81	86	88	87.4	84.7	84.6
Production, bus.	4,017	4,928	‡5,544	231,000	256,375	201,625
RYE—						
Acres for harvest.....	*120	†117	.....	6,576	6,185	2,711
Condition, per cent.....	84	80	86	85.7	80.8	87.3
Production, bus.	1,310	735	.....	103,000	90,200	50,000
WHITE POTATOES—						
Acres for harvest.....	*92	†98	80	4,003	4,210	3,678
Condition, per cent.....	85	89	90	87.6	87.6	87.1
Production, bus.	11,730	13,083	.....	391,000	400,106	361,753
ALL HAY ACRES.						
Condition, per cent.....	84	87	88	71,224	71,254	67,782
Production, tons	2,965	2,469	2,512	116,000	90,400	82.4
ALFALFA—						
Acres for harvest..	591	585	.....	.....	.....	.....
Condition, per cent....	83	87	86	.....	.....	.....
Production, tons	1,349	1,463	.....	.....	.....	.....
PASTURES—						
Condition, per cent....	85	84	88	.....	.....	.....
FIELD PEAS—						
Condition, per cent....	98	89	90	.....	.....	.....
FIELD BEANS—						
Acres planted	*90	252	‡250	.....	.....	.....
Condition, per cent....	74	94	88	.....	.....	.....
Production, bus.	866	†1,340	‡1,950	.....	.....	.....
TOMATOES—						
Condition, per cent....	75	91	82	.....	.....	.....
CABBAGE—						
Condition, per cent....	85	91	87	.....	.....	.....
ONIONS—						
Condition, per cent....	86	92	89	.....	.....	.....
APPLES—						
Condition, per cent....	67	50	68	56.6	59.7	69.4
Production, bus.	2,800	1,845	.....	156,000	174,000	199,000
Commercial pro- duction (bbls.).....	.....	527	.....	24,500	24,600	.....
PEACHES—						
Condition, per cent....	71	50	54	69.0	46.5	56.1
Production, bus.	883	633	.....	50,000	39,100	48,100
PEARS—						
Condition, per cent....	74	80	60	.....	.....	.....
Production, bus.	189	194	.....	.....	.....	.....
CANTALOUPES—						
Condition, per cent....	75	87	81	.....	.....	.....
SUGAR BEETS—						
Condition, per cent....	73	89	89	.....	.....	.....

*Preliminary acreage figures based upon incomplete returns of assessors' agricultural statistics.

†Revised figure. ‡1917 figures.

Acreage and production figures merely enumerate thousands and require the addition of three ciphers to complete them.