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Colorado Cooperative Crop Reporting Service

(State and Federal)

U. S. Department of Agriculture
Bureau of Crop Estimates
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WINTER WHEAT

Reports on Colorado crop conditions on June 1, as received by the Colorado Cooperative Crop Reporting Service, showed a marked depreciation in the condition of winter wheat since May 1, the condition being but 82 per cent of normal as compared with 102 per cent on May 1, 84 per cent a year ago and an average of 88 per cent for the preceding ten years. These figures indicate a production of winter wheat, if conditions remain favorable, on 834,000 acres of 12,651,180 bushels, compared with a forecast a year ago of 9,572,000 bushels and an actual production of 7,095,000 bushels. A drought during the month of May was especially severe in the north central counties, including portions of districts 2, 3, 5 and 6 (see map on page 5), while the remaining portion of the state largely continued to enjoy favorable moisture and soil conditions. In some localities the winter wheat crop has already been damaged beyond the point where moisture will be of any material benefit.

The condition of winter wheat for the United States on June 1 is placed at 94.9 per cent of normal, compared with 102 per cent May 1, 85.8 per cent a year ago and an average of 80.8 per cent for preceding ten years. Upon the 48,933,000 acres devoted to this crop this condition represents a possible production of 893,000,000 bushels, compared with a forecast of 586,915,000 bushels at this date last year and an actual production last year of 558,449,000 bushels.

SPRING WHEAT

The preliminary acreage estimates of spring wheat as shown by the reports indicates 104 per cent of the acreage devoted to this crop in Colorado last year. A preliminary estimate based upon incomplete returns by county assessors indicates 340,000 acres, compared with a final estimate of 312,000 acres last year. The condition of spring wheat on June 1 was 89 per cent of normal, compared with 90 per cent last year and an average of 92 per cent for the past ten years. These figures indicate a production of 7,990,000 bushels, compared with a forecast of 6,739,000 bushels last year and a final production estimate of 6,240,000 bushels. Spring wheat has suffered less in the dry sections of the state than winter wheat, because the plants were smaller and did not require the same amount of moisture.

The condition of spring wheat for the United States on June 1 was placed at 91.2 per cent of normal, compared with 95.2 per cent last year and an average of 93.7 per cent for the past ten years. The acreage of

spring wheat in the United States is estimated at 22,593,000 acres, compared with 22,489,000 acres last year. The production indicated by these figures is 343,000,000 bushels, compared with the final estimate of 358,651,000 bushels, which was last year's record crop. This makes the estimated production of all wheat in the United States this year 1,236,000,000 bushels, compared with the final production last year of 917,100,000 bushels.

OATS

Reports on the acreage of oats in Colorado indicate 99 per cent of that for last year, or 190,000 acres as shown by incomplete returns from county assessors, as compared with 192,000 acres in 1918. The condition of oats is 95 per cent of normal, compared with 91 per cent last year and an average of 92 per cent for the past ten years. With this condition a production of 7,310,250 bushels is indicated, compared with the production last year of 6,336,000 bushels.

The condition of oats in the United States on June 1 was 93.2 per cent of normal, compared with 93.2 per cent last year and an average of 89.4 per cent for the past ten years. The acreage of oats in the United States this year is 42,365,000 acres, compared with 44,475,000 acres last year. The acreage and condition indicates a production of 1,446,000,000 bushels, compared with a forecast of 1,500,049,000 bushels last year and an actual production estimate of 1,538,359,000 bushels.

BARLEY

A decline in the acreage of barley in Colorado is indicated by preliminary reports. The acreage is estimated at 170,720 acres, compared with the final estimate of 176,000 acres last year. The condition of barley June 1 was 88 per cent, compared with a ten-year average of 92 per cent. From this condition and acreage a production of 5,568,000 bushels is indicated, as compared with 4,928,000 bushels last year. The condition of barley in the United States on June 1 was 91.7 per cent, compared with 90.5 per cent last year and an average of 90.4 per cent for the past ten years. The condition figure of June 1 applied to the estimated acreage indicates a production of 232,000,000 bushels compared with a forecast last year of 235,272,000 bushels and a final production estimate of 256,375,000 bushels.

RYE

The condition of rye in Colorado on June 1 is indicated to be 92 per cent of normal, compared with 101 per cent on May 1 and 90 per cent on June 1 last year and an average of 92 per cent for the preceding ten years. This condition applied to the preliminary estimated acreage, 120,000 acres, indicates a possible production of 1,435,200 bushels, compared with a final estimate of 735,000 bushels last year. The condition of rye in the United States is 93.5 per cent of normal compared with 83.6 per cent on June 1 of last year and an average of 89.6 per cent for the past ten years. These condition figures indicate a production of 107,000,000 bushels, compared with 89,103,000 bushels last year.

HAY

The condition of all hay in Colorado on June 1 is 94 per cent of normal, compared with 89 per cent last year and an average of 93 per cent for the past ten years. The present condition indicates a production of 3,185,472 tons, compared with 2,469,000 tons last year. The condition of Colorado hay on May 1 was about 100 per cent. The depreciation during the month of May was due to the dry weather in many sections and some frost damage May 31 and June 1.

The condition of alfalfa in Colorado on June 1 was 93 per cent of normal, compared with 90 per cent last year and an average of 92 per cent for the past ten years. The acreage appears to be 101 per cent of that for last year, or 590,850 acres. This acreage applied to the es-

timated condition indicates a production of 1,511,000 tons, compared with 1,462,500 tons last year.

The condition of all hay in the United States is 94.1 per cent of normal, compared with 89 per cent last year and an average of 88 per cent for the preceding ten years. The forecasted production from the condition figures indicates 116,000,000 tons, as compared with 90,400,000 tons last year.

PASTURES

The condition of pastures in Colorado on June 1 was 96 per cent of normal, compared with 86 per cent last year and an average of 91 per cent for the preceding ten years. There was a slight depreciation during the month due to drouth and considerable damage from frost, the extent of which is not yet determined. The condition of pastures in the United States is indicated as 97.4 per cent, compared with 92.5 per cent last year and an average of 89.8 per cent for the preceding ten years.

FIELD PEAS

Field peas are grown largely in the south central part of the state, including the San Luis Valley. A high condition prevailed in that section so that peas were counted to be 98 per cent of normal condition on June 1, compared with 89 per cent last year and an average of 94 per cent for the preceding ten years. Field peas in the United States showed a condition of 87.1 per cent, compared with 89.2 per cent last year and and average of 85.5 per cent for the preceding ten years.

FIELD BEANS

In Colorado much of this crop had not been planted on June 1. The condition as reported was 85 per cent of normal, compared with 96 per cent last year and an average of 91 per cent for the preceding ten years. The low condition is accounted for by the damage caused by frost on May 31 and June 1. Special advance reports on intentions to plant beans, compiled May 1, indicated that the acreage to be devoted to dry beans this year in Colorado is likely to be over 30 to 40 per cent of that planted last year. Dry weather and other unfavorable conditions may make it expedient for farmers to change their plans, however, and plant more beans this season. The area planted to beans in Colorado last year was 252,000 acres, and the unofficial estimated commercial production was about 80,000,000 pounds, of which about 8,000,000 pounds, including seed, are still in the hands of the growers and dealers of the state.

The condition of beans in the United States on June 1 is 87.2 per cent compared with 89.9 per cent last year and an average of 87.5 per cent for the preceding ten years.

POTATOES

The planting of the potato crop is well advanced and many of the potatoes were up and were injured by the frost June 1. No formal estimate of condition and acreage is made at this time. The report of the intentions to plant on May 1 indicate that the acreage would be only from 88 to 90 per cent of that planted in the state last year. Farmers may yet find it to their advantage to plant a larger acreage of this crop if still possible to do so.

SUGAR BEETS

The condition of sugar beets in Colorado on June 1 is indicated as 83 per cent of normal, compared with 89 per cent last year and an average of 92 per cent for the preceding ten years. The low condition is due to frost and dry weather in May, which prevented proper germination of the seed, thus producing poor stands and, in many cases, necessitating replanting or planting the acreage to other crops. The condition of sugar beets in the United States is 84.7 per cent compared with 88.9 per cent last year and an average of 90.2 per cent for the past ten years.

CABBAGES

The condition of cabbage in Colorado June 1 is 92 per cent of normal, compared with 95 per cent last year and an average of 90 per cent for the preceding ten years. The condition of cabbage in the United States is 88.3 per cent of normal, compared with 90.4 per cent last year and an average of 87.4 per cent for the preceding ten years.

ONIONS

The condition of onions in Colorado on June 1 is indicated to be 90 per cent of normal, compared with 91 per cent last year and an average of 92 per cent for the preceding ten years. Indications are that the acreage in the state is much smaller than usual. The condition of onions in the United States June 1 is reported as 92 per cent, compared with 89.6 per cent last year and an average of 89.9 per cent for the preceding ten years.

FRUIT

In Colorado the condition of apples on June 1 was 70 per cent of normal, compared with 75 per cent last year and an average of 71 per cent for the past ten years. This condition indicates a possible production of 2,609,000 bushels compared with the final estimated production of 1,845,000 bushels last year. The present low condition is accounted for by the severe frost damage in some of the important sections, particularly in Delta and Montrose counties, on May 31 and June 1. The condition of apples in the United States on June 1 was 67.8 per cent, compared with 69.8 per cent on June 1 last year and an average of 68.2 per cent for the preceding ten years. This condition indicates a production of 166,000,000 bushels compared with 173,632,000 bushels for 1918.

The peach crop in Colorado on June 1 was about 70 per cent of normal, compared with 48 per cent last year and 54 per cent for the preceding ten years. The low condition is due to frost damage on May 31 and June 1. The indicated production is 886,000 bushels, campared with 633,000 bushels last year. The condition of peaches in the United States is about 75.1 per cent of normal, compared with 52 per cent last year and an average of 61.4 per cent for the preceding ten years. The indicated production is 50,300,000 bushels, compared with the forecast of 42,860,000 bushels last year and an actual production of 39,100,000 bushels.

The condition of pears in Colorado on June 1 was about 90 per cent of normal, compared with 76 per cent last year and an average of 62 per cent for the preceding ten years. The forecasted production is 222,300 bushels, compared with 194,000 bushels last year. The condition of pears in the United States is 66.3 per cent, compared with 62.7 per cent last year and an average of 67.3 per cent for the preceding ten years. The production indicated is 11,041,500 bushels, compared with 10,342,000 bushels last year.

CANTALOUPES

The commercial cantaloupe crop in Colorado was seriously injured by frost on June 1 and an estimated condition of 50 per cent is indicated as compared with 89 per cent last year and an average of 88 per cent for the past ten years. Considerable replanting will be done which probably will raise the condition report for next month. The condition of cantaloupes in the United States is 80.4 per cent of normal, compared with 85.6 per cent last year and average of 81 per cent the preceding ten years.

LIVE STOCK

The livestock of the state is generally in excellent condition. Of the stock ranging upon the forests about 90 per cent of the cattle have moved to the summer ranges on the forest reserves and about 30 per cent of the sheep. The ranges of the state are mostly in fine condition except

in the north central part of the state, eastern slope, including about all of District 2 and the extreme western parts of Districts 3 and 6.

Summaries of the June 1 crop report will be found on page 8 of this bulletin.

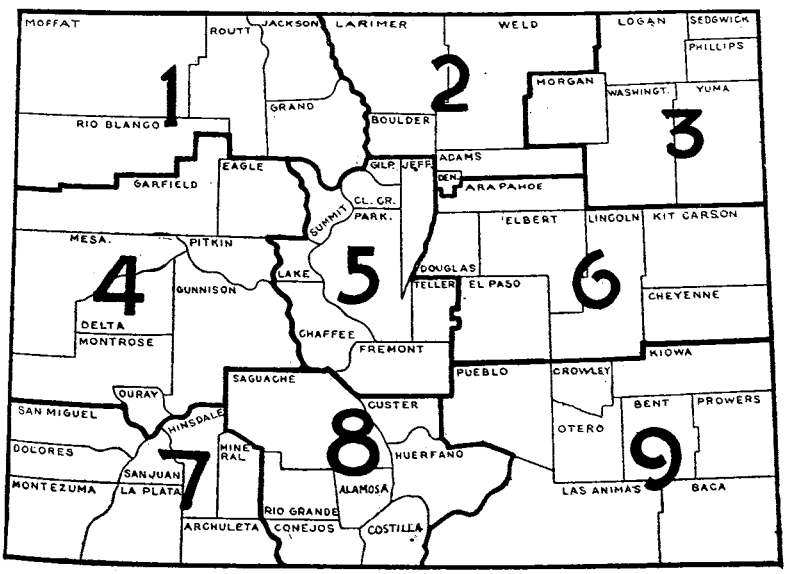
YIELDS PER ACRE 1918 AND NORMAL YIELDS

Believing the subject to be of much general public interest we are publishing in this bulletin the normal yields per acre by counties of certain crops as reported to the Co-operative Crop Reporting Service, the figures used as a basis having been obtained through a special inquiry regarding normals.

The first column in the table on page 6 contains the average yield of oats for both irrigated and non-irrigated land for 1918 as determined from reports of the licensed thresherman of the state to the United States Food Administration. These figures show many very low yields in certain counties. This is to be explained by the fact that over considerable areas of the state the season of 1918 was exceptionally hot and dry from May 20 to June 20, a most critical period for small grains. As a result the yields in many sections were far below the average.

In the other columns are found what are to be regarded as normal yields of the various crops treated, on irrigated and non-irrigated land respectively. Normal yields are understood as the average yields secured by all farmers from their usual methods of farming in a season wholly but not extraordinarily favorable to production. Only in the most favorable seasons will these yields be exceeded for a county as a whole, although the best practice on individual farms will often exceed them by as much as 30 per cent, which is to be regarded as the limit of reasonable expectancy under the best practices and most favorable conditions.

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 and should be preserved.

AVERAGE YIELDS AND NORMALS IN BUSHELS PER ACRE

Districts and Counties	OATS			CORN		POTATOES		BEANS	
	Average Threshing	Normal Non-Irrigated	Normal Irrigated	Normal Non-Irrigated	Normal Irrigated	Normal Non-Irrigated	Normal Irrigated	Normal Non-Irrigated	Normal Irrigated
1. Northwest.									
Grand	....	30	40	....	....	110	200	....	....
Jackson	....	....	40	....	....	100	180	....	....
Moffat	28	35	50	20	40	100	175	300	700
Rio Blanco	48	35	60	20	40	110	200	....	....
Routt	44	40	60	....	....	125	175	....	....
2. North Central.									
Adams	25	22	50	20	35	80	160	500	800
Boulder	33	24	50	20	35	85	170	500	800
Denver	34	....	....	....	....	....	....	....	....
Larimer	33	22	55	20	40	70	175	500	850
Weld	33	20	50	20	35	65	180	500	1000
3. Northeast.									
Logan	24	22	52	20	40	90	150	450	800
Morgan	30	20	52	18	35	70	150	400	900
Phillips	10	22	....	20	....	80	....	450	....
Sedgwick	17	22	50	20	42	75	155	400	800
Washington	12	22	....	20	....	90	....	400	....
Yuma	5	25	....	21	....	85	140	450	....
4. West Central.									
Delta	42	20	54	....	40	100	190	....	1200
Eagle	53	25	60	....	....	105	200	....	....
Garfield	41	25	58	20	40	90	190	400	1000
Gunnison	31	33	50	....	....	100	170	....	....
Mesa	33	....	45	20	40	70	160	300	1000
Montrose	39	20	54	....	40	100	200	400	1200
Ouray	35	....	60	....	....	100	200	....	....
Pitkin	54	....	60	....	....	100	200	....	....
5. Central.									
Chaffee	37	20	53	....	....	100	150	....	800
Clear Creek	24	....	....	....	....	....	....	....	....
Fremont	50	28	54	20	48	100	160	400	1000
Gilpin	21	....	....	....	....	....	....	....	....
Jefferson	28	28	58	20	37	100	160	400	1000
Lake	....	....	....	....	....	....	....	....	....
Park	....	....	....	....	....	....	....	....	....
Summit	....	....	....	....	....	....	....	....	....
Teller	....	20	....	....	....	100	....	....	....
6. East Central.									
Arapahoe	17	20	60	19	38	90	175	400	900
Cheyenne	4	20	....	19	....	70	140	300	....
Douglas	21	25	40	20	....	90	150	500	....
Elbert	16	28	40	22	35	90	150	500	....
El Paso	21	25	40	22	35	95	....	400	....
Kit Carson	7	20	....	20	30	90	....	350	....
Lincoln	8	23	....	20	....	100	....	400	....
7. Southwest.									
Archuleta	28	35	50	20	35	....	200	....	....
Dolores	17	....	....	....	....	....	....	....	....
Hinsdale	....	....	....	....	....	....	....	....	....
La Plata	33	....	50	....	35	....	200	....	800
Mineral	....	....	....	....	....	....	....	....	....
Montezuma	27	18	48	19	38	75	175	400	900
San Juan	....	....	....	....	....	....	....	....	....
San Miguel	....	25	48	20	35	100	150	450	900
8. South Central.									
Alamosa	14	....	36	....	....	....	180	....	....
Conejos	21	....	38	....	....	....	200	....	800
Costilla	16	....	40	....	....	60	185	....	800
Custer	19	30	45	....	....	100	....	....	....
Huerfano	32	30	45	16	30	120	160	450	800
Rio Grande	25	....	40	....	....	100	220	....	700
Saguache	20	....	37	....	....	80	220	....	700
9. Southeast.									
Baca	16	21	43	19	40	....	....	450	....
Bent	44	....	54	15	45	....	....	300	1000
Crowley	26	20	50	18	45	....	....	400	1000
Kiowa	6	20	....	18	....	70	....	350	....
Las Animas	32	22	45	18	38	80	150	500	1200
Otero	53	20	54	15	45	....	....	400	1000
Prowers	36	19	46	15	45	....	....	300	1000
Pueblo	21	20	52	19	45	80	140	300	900

CONDITIONS OF CROPS JUNE 1. COMPARED WITH NORMAL.

Districts and Counties	Winter Wheat			Spring Wheat			Oats	Barley	Rye	Hay	Pasture
	Irrigated	Non-Irrigated	All	Irrigated	Non-Irrigated	All					
1. Northwest.											
Grand	....	....	100	....	....	....	....	....	100	95	100
Jackson	....	....	....	....	....	....	100	100	100	91	83
Moffat	100	98	99	100	100	100	89	104	91	102	115
Rio Blanco	95	100	96	96	97	96	96	94	100	95	100
Routt	101	96	96	105	104	104	99	98	99	98	102
2. North Central.											
Adams	93	75	77	94	81	90	98	93	90	95	83
Boulder	81	63	76	82	64	81	82	80	100	84	71
Denver	97	88	93	93	92	93	95	96	94	99	94
Larimer	87	58	70	81	51	76	83	80	71	78	70
Weld	84	58	66	83	67	77	80	84	77	81	73
3. Northeast.											
Logan	99	74	75	92	85	86	83	85	94	99	78
Morgan	95	73	74	94	76	83	97	90	85	93	87
Phillips	....	91	91	....	85	85	83	....	92	75	89
Sedgwick	98	95	95	100	94	96	101	102	99	97	102
Washington	100	82	82	98	91	91	90	90	91	89	92
Yuma	....	87	87	95	92	92	85	92	90	91	96
4. West Central.											
Delta	100	....	100	96	....	96	99	98	100	92	102
Eagle	100	100	100	105	100	105	101	103	....	100	98
Garfield	95	90	95	92	95	92	95	86	102	83	90
Gunnison	....	....	....	....	....	....	....	....	....	100	97
Mesa	99	75	99	100	80	100	96	95	....	102	85
Montrose	100	95	100	100	100	100	98	99	100	105	109
Ouray	....	....	....	....	....	....	....	....	....	100	100
Pitkin	105	....	105	105	....	105	110	....	....	112	95
5. Central.											
Chaffee	....	....	....	95	....	95	92	87	....	94	103
Clear Creek	....	....	....	....	....	....	....	....	....	99	100
Fremont	101	103	102	100	96	99	96	95	....	100	100
Gilpin	....	....	....	....	....	....	....	....	....	105	105
Jefferson	100	81	90	87	97	90	91	100	96	99	97
Lake	....	....	....	....	....	....	....	....	....	105	103
Park	....	....	....	....	....	....	....	....	....	102	103
Summit	....	....	....	....	....	....	....	....	....	100	101
Teller	....	....	....	....	....	....	100	100	....	100	100
6. East Central.											
Arapahoe	99	91	95	98	97	97	92	96	96	106	102
Cheyenne	....	91	91	....	98	98	95	98	95	100	102
Douglas	....	95	95	....	93	93	103	100	103	95	100
Elbert	....	92	92	....	97	97	98	99	101	99	108
El Paso	102	101	101	102	99	99	98	99	99	103	103
Kit Carson	105	75	76	105	87	88	82	89	84	94	93
Lincoln	....	91	91	....	98	98	94	98	100	98	102
7. Southwest.											
Archuleta	90	100	97	87	87	87	100	....	....	112	115
Dolores	....	....	....	....	....	....	....	....	....	100	100
Hinsdale	....	....	....	....	....	....	....	....	....	100	100
La Plata	107	110	108	103	109	106	106	95	110	100	107
Mineral	....	....	....	....	....	....	....	....	....	100	100
Montezuma	102	108	105	102	104	103	102	102	....	108	106
San Juan	....	....	....	....	....	....	....	....	....	100	100
San Miguel	103	95	101	100	85	90	98	96	95	102	102
8. South Central.											
Alamosa	....	....	....	100	105	100	100	102	100	105	104
Conejos	100	100	100	99	100	99	102	97	110	101	100
Costilla	115	....	112	113	100	110	109	113	115	115	115
Custer	100	100	100	100	100	100	103	100	....	100	90
Huerfano	102	100	101	101	102	101	101	101	100	102	105
Rio Grande	....	....	....	103	....	103	102	103	103	107	106
Saguache	100	....	100	100	....	100	100	101	....	105	103
9. Southeast.											
Baca	95	104	104	96	106	104	93	94	106	96	115
Bent	111	....	111	100	....	100	97	98	....	101	103
Crowley	92	83	91	95	82	92	94	98	105	108	106
Kiowa	....	80	80	....	90	90	....	87	85	100	110
Las Animas	102	81	82	99	103	100	100	102	103	100	108
Otero	102	100	102	98	89	97	100	99	94	102	104
Prowers	108	105	107	105	102	104	103	103	105	102	111
Pueblo	100	104	103	100	95	99	104	101	....	104	101

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

Subject.	Colorado 1919	Colorado 1918	Colorado Ave.	United States 1919	United States 1918	United States Average
WINTER WHEAT—						
Acres for harvest	834	732	.....	48,933	36,704	34,059
Condition, per cent....	82	84	88	94.9	85.8	80.8
Production, bus.....	12,652	7,095	.....	893,000	558,449	555,190
SPRING WHEAT—						
Acreage	*340	312	.....	22,593	22,489	.....
Condition, per cent....	89	90	92	91.2	95.2	93.7
Production, bus.....	7,990	6,240	.....	343,000	358,651	235,444
ALL WHEAT—						
Production, bus.....	20,642	13,335	.....	1,236,000	9,171,100	.....
OATS—						
Acreage	*190	192	.....	42,365	44,475	.....
Condition, per cent....	95	91	92	93.2	93.2	89.4
Production, bus.....	7,310	6,336	.....	1,446,000	1,538,359	1,331,287
BARLEY—						
Acreage	171	176	.....	8,889	9,108	.....
Condition, per cent....	88	90	92	91.7	90.5	90.4
Production, bus.....	5,568	4,928	.....	232,000	256,375	199,212
RYE—						
Condition, per cent....	92	90	92	93.5	83.6	89.6
Production, bus.....	1,435	735	.....	107,000	89,103	50,001
HAY—						
Condition, per cent....	94	89	93	94.1	89	88
Production, tons.....	3,185	2,469	.....	116,000	90,400	96,900
ALFALFA—						
Condition, per cent....	93	90	92	.....	.....	.....
Preliminary acreage	591	535	.....	.....	.....	.....
Production, tons.....	1,511	1,463	.....	.....	.....	.....
PASTURES—						
Condition, per cent....	96	86	91	97.4	92.5	89.8
FIELD PEAS—						
Condition, per cent....	98	89	94	87.1	89.2	85.5
FIELD BEANS—						
Condition, per cent....	85	96	91	87.2	89.9	87.5
CABBAGES—						
Condition, per cent....	92	95	90	88.3	90.4	87.4
ONIONS—						
Condition, per cent....	90	91	92	92	89.6	89.9
APPLES—						
Condition, per cent....	70	75	71	67.8	69.8	68.2
Production, bus.....	2,609	1,845	.....	166,000	173,632	199,000
Commercial production (barrels)	.....	527	.....	.....	25,404	.....
PEACHES—						
Condition, per cent...	70	48	54	73.1	52	61.4
Production bus.....	886	633	.....	50,300	39,100	48,100
PEARS—						
Condition, per cent....	90	76	62	66.3	62.7	67.3
Production, bus.....	222	194	.....	11,042	10,342	.....
CANTALOUPES—						
Condition, per cent....	50	89	88	80.4	85.6	81
SUGAR BEETS—						
Condition, per cent..	83	89	92	84.7	88.9	90.2

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

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