

BULLETIN NO. 14

JUNE, 1920

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*

Preliminary Acreage Estimates—All preliminary estimates of acreage of 1920 crops in Colorado given in this Bulletin, except winter wheat, are based upon partial returns of county assessors, and are subject to revision when complete returns from assessors are available. Final figures on acreage for 1919 were the acreage reports turned in by assessors, with 10 per cent added because of incompleteness of assessors' returns. Partial reports from assessors so far received this year indicate that 10 per cent was not a large enough addition to make, and it is believed that the acreage reports for last year will have to be revised upward slightly when complete reports are received this year.

Winter Wheat—The condition of winter wheat in Colorado on June 1 was approximately 87 per cent of normal, compared with 85 per cent on May 1, and 82 per cent on June 1 last year. Weather conditions generally were favorable for the development of this crop during May and have continued favorable in June, except that rain is needed in most of the non-irrigated areas. The area left for harvest is estimated at 861,000 acres, and the forecasted production, based upon this acreage and the condition prevailing June 1, is 14,232,000 bushels, compared with a final estimate of 11,916,800 bushels last year. Preliminary reports of county assessors indicate that the estimate on acreage of winter wheat this year is considerably too low and a revision of the acreage figure will be made as soon as complete returns from assessors are available.

The condition of winter wheat in the United States on June 1 was 78.2 per cent of normal, compared with 79.1 per cent on May 1, and 94.9 per cent on June 1 last year. The area left for harvest is estimated at 34,165,000 acres, compared with 49,905,000 acres in 1919. The forecasted production, based upon this acreage and the condition of the crop on June 1, is 503,996,000 bushels, compared with a final estimate of 731,636,000 bushels last year and an average estimated production of 563,498,000 bushels from 1914 to 1918 inclusive.

Spring Wheat—The condition of spring wheat in Colorado on June 1 was placed at 95 per cent of normal, compared with 89 per

cent on June 1 last year and an average condition on June 1 of 92 per cent. Preliminary reports of county assessors indicate that the area devoted to the crop in the state is 395,000 acres, the same as last year. Based upon this acreage and the condition prevailing on June 1, the forecasted production is 8,443,000 bushels, compared with a final estimate of 5,727,500 bushels last year.

The condition of spring wheat in the United States on June 1 was 89.1 per cent, compared with 91.2 per cent on June 1 last year and an average condition on June 1 for the past ten years of 93.3 per cent. The area devoted to this crop is estimated at 19,487,000 acres, compared with 23,338,000 acres in 1919, and the forecasted production, based upon this acreage and the condition of the crop on June 1, is 276,547,000 bushels.

All Wheat—In Colorado, according to the preliminary estimates given above, the total area devoted to wheat is 1,256,000 acres, compared with 1,459,000 acres last year. The total indicated production, based upon June 1 condition, is 22,675,000 bushels, compared with a final estimate of 17,645,000 bushels last year. If conditions remain favorable until harvest the production of wheat in Colorado this year will be the largest in the history of the state.

The total area devoted to wheat in the United States is estimated at 53,652,000 acres, compared with 73,243,000 acres last year. Total production, if conditions remain the same until harvest as they were on June 1, will be approximately 780,543,000 bushels, compared with 941,000,000 bushels last year and an average production of 822,000,000 bushels for the five years from 1914 to 1918 inclusive.

Oats—The condition of oats in Colorado on June 1 was approximately 95 per cent of normal, compared with 95 per cent on June 1 last year and an average condition of 93 per cent on June 1 for the past ten years. Preliminary reports of county assessors indicate that the area devoted to the crop is 239,000 acres, compared with 249,000 acres last year. The forecasted production, based upon this acreage and the June 1 condition, is 8,628,000 bushels, compared with a final estimate of 6,524,000 bushels last year and 7,530,000 bushels in 1918.

The area devoted to oats in the United States is estimated at 41,032,000 acres, compared with 42,400,000 acres last year. The condition of the crop on June 1 was estimated at 87.8 per cent of normal, compared with 93.2 per cent on June 1 last year, and the forecasted production, based upon this condition, is 1,315,476,000 bushels, compared with a final estimate of 1,248,000,000 bushels last year and an average of 1,415,000,000 bushels for the five years ending with 1918.

Barley—The condition of barley in Colorado on June 1 was approximately 96 per cent of normal, compared with 88 per cent last year. The area devoted to the crop is estimated at 190,000 acres, compared with 200,000 acres last year and 206,000 acres in 1918. The forecasted production, based upon the acreage and condition given above, is 6,019,000 bushels, compared with a final estimate of 3,900,000 bushels last year.

The condition of barley in the United States on June 1 was 87.6 per cent of normal, compared with 91.7 per cent last year. The area devoted to the crop is estimated at 7,437,000 acres, compared with 7,420,000 acres last year, and the forecasted production, based upon this acreage and condition, is 185,108,000 bushels, compared with 166,000,000 bushels last year and an average of 215,000,000 bushels for the five years ending with 1918.

Rye—The condition of rye in Colorado on June 1 was approximately 91 per cent of normal, compared with 92 per cent last year.

The area devoted to this crop for grain is estimated at 122,000 acres, compared with 143,000 acres last year. The forecasted production is 1,443,000 bushels, compared with a final estimate of 1,258,000 bushels last year. The rye crop in Colorado is partly fall sown and partly spring sown, but the relative proportions of the two kinds can not be established until complete returns are available from county assessors.

The condition of rye in the United States on June 1 was 84.4 per cent of normal, compared with 93.5 per cent on June 1 last year. The area devoted to the crop is estimated at 5,470,000 acres, compared with 7,063,000 acres last year, and the forecasted production is 80,006,000 bushels, compared with a final estimate of 88,500,000 bushels last year.

Hay—The condition of hay in Colorado on June 1 was 98 per cent of normal, compared with 94 per cent on June 1 last year. The area devoted to all kinds of hay in the state is estimated at 1,425,000 acres, compared with 1,431,000 acres last year. Based upon the acreage and condition given above the forecasted production is 2,862,000 tons, compared with a final estimate of 2,811,000 tons last year. Preliminary reports of county assessors indicate that about 728,000 acres is devoted to alfalfa in the state this year, compared with 662,000 acres last year, this crop showing perhaps a larger percentage of increase in acreage than any other crop of primary importance grown in the state. The condition of the alfalfa crop on June 1 was 99 per cent of normal, compared with 93 per cent last year.

The condition of hay in the United States on June 1 was 88.9 per cent of normal, compared with 94.1 per cent on June 1 last year. The area devoted to hay of all varieties is estimated at 71,752,000 acres, compared with 72,034,000 acres last year, and the forecasted production is 111,790,000 tons, compared with a final estimate of 109,000,000 tons last year. The condition of alfalfa in the United States on June 1 was 92.7 per cent of normal, compared with 96.9 per cent on June 1 last year.

Pastures—The condition of pastures in Colorado on June 1 was 96 per cent of normal, compared with 82 per cent on May 1 and 96 per cent on June 1 last year. In the United States the average condition of pastures on June 1 was 88.8 per cent of normal, compared with 97.4 per cent on June 1 last year and an average condition of 90.1 per cent on June 1 for the past ten years.

Apples—The condition of apples in the state on June 1 was 85 per cent of normal, compared with 70 per cent on June 1 last year and an average condition of 74 per cent on June 1 for the past ten years. The indicated production, based upon this condition, is 3,204,000 bushels, compared with a final estimate of 2,795,000 bushels last year. In the United States the condition of the apple crop on June 1 was 79.3 per cent of normal, compared with 67.8 per cent last year, and the indicated production is 198,965,000 bushels, compared with a final estimate of 147,000,000 bushels last year.

Peaches—The condition of peaches in Colorado on June 1 was estimated at 50 per cent of normal, compared with 70 per cent on June 1 last year and an average condition of 55 per cent on June 1 for the past ten years. The indicated production is 638,000 bushels, compared with a final estimate of 840,000 bushels last year. The chief cause of the low condition of peaches in the state is damage resulting from extremely cold weather last winter. The condition of peaches in the United States on June 1 was 64.9 per cent of normal, compared with 73.1 per cent last year, and the estimated production is 45,067,000 bushels, compared with 50,400,000 bushels last year.

Pears—The condition of pears in Colorado on June 1 was 92 per cent of normal, compared with 90 per cent on June 1 last year and an average condition of 66 per cent on June 1 for the past ten years. The estimated commercial production is 414,000 bushels, compared with 382,000 bushels last year. In the United States the average condition of the pear crop on June 1 was 73.4 per cent of normal, compared with 66.3 per cent on June 1 last year and an average condition of 66.5 per cent on June 1 for the past ten years. The estimated total production this year, based upon the condition of the crop June 1, is 13,568,000 bushels, compared with 13,498,000 bushels last year.

Miscellaneous Crop—In the general summary of the crop report for Colorado and the United States, on page 8 of this Bulletin, will be found the comparative condition of several crops, the acreages for which are not now available. These crops include field beans, field peas, cabbage, onions, cantaloupes and sugar beets. Advance reports from the operating sugar refining companies indicate that the acreage devoted to sugar beets in the state this year will be considerable greater than that harvested last year, approximately 255,000 having been contracted. Preliminary reports from assessors indicate that more than 200,000 acres is being planted to the crop this year. The acreage of cantaloupes, according to partial returns from assessors, is about the same as that for last year. It was stated in the Crop Bulletin last month that acreage devoted to field beans would be very materially reduced this year and the reports of county assessors verify this statement.

Agricultural Outlook—Reports from all sections of the state showed that the estimated amount of moisture in the soil on June 1 was 112 per cent of normal, compared with 110 on May 1 and 86.5 on April 1, indicating an excellent condition for the growth and development of all crops at this time. By districts the estimated amount of moisture June 1 in the soil as compared with normal was as follows: District 1, Northwest, 113; District 2, North Central, 103; District 3, Northeast, 108; District 4, West Central, 114; District 5, Central, 100.3; District 6, East Central, 105; District 7, Southwest, 108; District 8, South Central, 108; District 9, Southeast, 106.

On page 5 of this Bulletin will be found a table showing the estimated normal yields of winter wheat, spring wheat and rye on both irrigated and non-irrigated land, as determined from the average opinion of several hundred volunteer crop reporters in all sections of the state, as well as the average yields of these crops for 1918, as reported by threshermen. Threshermen's reports are taken for 1918 for the reason that more complete reports are available for that year than any other.

A summary of the June 1 crop report, for both Colorado and the United States, will be found on page 8 of this Bulletin.

Cooperation Invited—The Colorado Cooperative Crop Reporting Service desires to make this monthly bulletin of the greatest possible value to all those interested in the production, movement and marketing of farm products, and urges the cooperation of all who are in position to report agricultural conditions. It solicits helpful suggestions and comments from reporters and others interested in this service. Those desiring to keep permanent files of this bulletin may obtain extra copies or missing copies by writing to the Colorado Cooperative Crop Reporting Service, at Denver, Colo.

THRESHING REPORTS AND NORMALS.

Districts and Counties	Winter Wheat			Spring Wheat			Rye		
	Average Threshing Reports, 1918	Normal Non-Irrigated	Normal Irrigated	Average Threshing Reports, 1918	Normal Non-Irrigated	Normal Irrigated	Average Threshing Reports, 1918	Normal Non-Irrigated	Normal Irrigated
	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.	Bu.
1. Northwest.									
Grand .....	....	20	40	....	....	30	....	20	30
Jackson .....	....	....	....	....	....	30	....	15	20
Moffat	12	23	35	15	20	30	9	20	30
Rio Blanco	27	23	40	21	26	40	14	20	35
Routt	23	31	....	17	25	....	12	25	30
2. North Central.									
Adams	8	16	35	22	11	33	5	14	25
Boulder	23	19	34	23	16	35	24	16	30
Denver	20	15	35	12	11	33	23	10	22
Larimer	21	20	40	28	14	40	11	18	32
Weld	15	17	55	19	12	32	6	13	25
3. Northeast.									
Logan	8	16	30	9	12	28	10	10	22
Morgan	8	15	34	11	12	30	6	12	23
Phillips	7	18	....	7	12	....	4	16	....
Sedgwick	6	18	38	8	15	29	3	12	24
Washington	6	15	....	4	12	....	5	11	....
Yuma	6	16	....	4	12	....	7	12	....
4. West Central.									
Delta	32	23	34	24	13	32	31	15	30
Eagle	14	15	30	31	....	38	9	15	30
Garfield	19	18	40	23	20	38	15	15	30
Gunnison .....	....	....	....	25	20	38	19	15	30
Mesa	21	10	32	21	....	29	....	....	30
Montrose	32	19	37	29	13	36	23	....	25
Ouray	13	....	40	33	....	35	18	16	25
Pitkin	25	....	35	34	....	35	18	....	30
5. Central.									
Chaffee .....	....	....	30	19	10	36	12	15	30
Clear Creek .....	....	....	....	12	....	....	....	....	....
Fremont	14	12	28	14	15	28	9	14	23
Gilpin .....	....	....	....	22	....	....	21	....	....
Jefferson	26	19	40	24	16	35	16	15	23
Lake .....	....	....	....	....	....	....	....	....	....
Park .....	....	....	....	....	....	....	....	....	....
Summit .....	....	....	....	....	....	....	....	....	....
Teller .....	....	....	....	....	....	....	....	10	....
6. East Central.									
Arapahoe	9	14	42	17	11	37	9	10	22
Cheyenne	6	14	....	4	15	....	7	15	....
Douglas	12	18	....	10	15	20	9	12	....
Elbert	11	16	30	7	13	20	8	14	....
El Paso	8	18	28	14	15	20	7	15	....
Kit Carson	7	14	30	4	11	20	5	15	30
Lincoln	5	14	....	4	11	....	6	15	....
7. Southwest.									
Archuleta	18	18	38	22	18	33	5	15	25
Dolores	12	15	25	9	15	25	6	15	25
Hinsdale .....	....	....	....	....	....	....	....	....	....
La Plata	22	....	28	19	16	30	9	15	25
Mineral .....	....	....	....	....	....	....	....	....	....
Montezuma	10	15	28	17	13	26	10	15	27
San Juan .....	....	....	....	....	....	....	....	....	....
San Miguel .....	....	18	25	....	15	....	....	15	25
8. South Central.									
Alamosa .....	....	....	....	22	....	25	....	....	....
Conejos .....	....	....	22	15	....	25	....	....	....
Costilla	18	....	25	15	....	25	7	....	22
Custer	19	....	25	20	20	25	17	12	22
Huerfano	10	16	31	15	15	28	....	10	22
Rio Grande	17	....	25	22	15	30	....	....	20
Saguache .....	....	....	....	21	....	23	....	....	20
9. Southeast.									
Baca	9	13	31	7	11	28	8	14	26
Bent	23	12	37	18	10	32	19	....	25
Crowley	24	12	30	17	12	30	9	15	25
Kiowa	4	11	....	8	10	....	9	12	....
Las Animas	6	13	32	12	12	28	5	13	21
Otero	26	13	37	32	13	32	12	13	30
Prowers	20	10	36	19	10	30	20	12	28
Pueblo	8	15	35	14	15	32	8	14	30

Omission of figures indicates that the crop is not grown extensively and not reported.

CONDITIONS OF CROPS JUNE 1, COMPARED WITH NORMAL.

District and Counties	Winter Wheat			Spring Wheat			Oats			Rye
	Irr.	Non-Irr.	All	Irr.	Non-Irr.	All	Irr.	Non-Irr.	All	All
1 Northwest—										
Grand	100	.....	100	100	.....	100	100	.....	100	90
Jackson	.....	.....	.....	.....	.....	98	.....	.....	100	.....
Moffat	101	99	99	101	100	100	101	100	100	101
Rio Blanco	.....	95	95	100	100	100	100	100	100	95
Routt	94	91	91	98	100	99	100	98	98	98
2 North Cent.—										
Adams	95	61	69	95	86	90	100	85	98	76
Boulder	88	86	87	91	94	92	96	95	96	94
Denver	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Larimer	91	95	92	97	97	97	99	100	99	100
Weld	94	86	90	98	91	96	99	90	99	92
3 Northeast—										
Logan	86	82	83	97	94	94	93	89	92	86
Morgan	93	87	87	97	98	97	97	89	95	95
Phillips	.....	91	91	.....	90	90	.....	90	90	95
Sedgwick	97	91	91	96	90	90	96	90	94	95
Washington	100	90	91	90	109	108	100	90	91	92
Yuma	.....	84	84	.....	89	89	.....	91	91	86
4 West Cent.—										
Delta	98	100	98	95	100	95	98	100	98	100
Eagle	80	90	90	110	.....	110	112	115	112	.....
Garfield	95	95	95	100	95	100	100	90	100	100
Gunnison	.....	.....	.....	.....	.....	.....	100	93	95	.....
Mesa	96	100	97	98	95	98	98	100	98	100
Montrose	100	100	100	100	97	100	100	100	100	100
Ouray	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pitkin	100	.....	100	100	.....	100	100	.....	100	.....
5 Central—										
Chaffee	90	.....	90	96	.....	96	99	.....	99	.....
Clear Creek	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fremont	100	.....	100	75	.....	75	80	.....	80	88
Gilpin	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jefferson	92	90	92	91	98	92	94	98	95	100
Lake	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Park	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Summit	.....	.....	.....	.....	.....	.....	.....	88	88	.....
Teller	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6 East Cent.—										
Arapahoe	99	81	83	99	90	95	98	97	97	100
Cheyenne	.....	84	84	.....	80	80	.....	100	100	90
Douglas	.....	100	100	.....	.....	.....	.....	.....	.....	95
Elbert	.....	90	90	.....	100	100	.....	102	102	89
El Paso	103	83	84	103	96	98	98	99	99	86
Kit Carson	.....	90	90	.....	98	98	.....	97	97	86
Lincoln	.....	70	70	.....	94	94	.....	96	96	89
7 Southwest—										
Archuleta	75	80	80	75	85	86	93	87	87	.....
Dolores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hinsdale	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
La Plata	85	87	85	95	95	95	90	90	90	.....
Mineral	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Montezuma	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
San Juan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
San Miguel	100	98	98	85	90	98	.....	100	100	.....
8 South Cent.—										
Alamosa	.....	.....	.....	103	.....	103	98	.....	98	.....
Conejos	.....	.....	.....	.....	.....	100	90	.....	90	.....
Costilla	100	.....	100	125	125	115	117	100	116	100
Custer	100	100	100	100	100	100	100	100	100	.....
Huerfano	93	86	89	97	97	97	98	98	98	97
Rio Grande	100	.....	100	103	.....	103	103	.....	103	90
Saguache	90	.....	90	98	.....	98	96	.....	96	100
9 Southeast—										
Baca	77	96	95	93	112	100	90	88	89	94
Bent	88	78	88	88	80	88	94	90	94	85
Crowley	72	78	72	80	73	80	87	73	87	95
Kiowa	.....	80	80	.....	90	90	.....	100	100	85
Las Animas	100	95	96	98	95	97	99	98	98	73
Otero	76	50	76	93	65	92	93	78	93	85
Prowers	97	103	97	95	109	98	97	100	97	102
Pueblo	90	95	92	90	93	91	80	88	82	95

**CONDITION OF CROPS AND AGRICULTURAL OUTLOOK ON JUNE 1,
COMPARED WITH NORMAL.**

District and Counties	Barley			Beans		Alfalfa	Hay	Pas-	*Agr. Out-look
	Irr.	Non-Irr.	All	Irr.	Non-Irr.				
1 Northwest—									
Grand	100	.....	100	.....	.....	100	110	100	110
Jackson	.....	.....	99	.....	.....	.....	110	110	.....
Moffat	102	101	101	.....	97	97	104	104	121
Rio Blanco	100	100	100	.....	.....	.....	103	103	105
Routt	100	98	99	.....	.....	.....	100	100	104
2 North Cent.—									
Adams	97	87	91	.....	100	100	101	99	98
Boulder	87	97	97	98	98	98	95	98	96
Denver	.....	.....	.....	.....	.....	.....	.....	.....	.....
Larimer	99	99	99	73	65	68	105	100	104
Weld	98	91	96	75	56	62	100	98	98
3 Northeast—									
Logan	97	91	94	75	42	45	100	93	93
Morgan	100	94	98	86	93	92	97	97	99
Phillips	.....	.....	93	.....	.....	.....	95	90	93
Sedgwick	96	91	95	.....	.....	.....	85	100	88
Washington	.....	95	95	.....	100	100	100	105	99
Yuma	.....	92	92	.....	.....	.....	101	100	99
4 West Cent.—									
Delta	100	100	100	100	100	100	102	101	93
Eagle	103	105	103	.....	.....	.....	110	112	118
Garfield	100	95	100	.....	.....	.....	102	103	98
Gunnison	.....	.....	.....	.....	.....	.....	100	100	95
Mesa	95	.....	95	88	88	98	98	96	100
Montrose	100	100	100	100	100	100	101	100	99
Ouray	.....	.....	100	.....	.....	.....	90	90	100
Pitkin	100	.....	100	.....	.....	.....	115	107	107
5 Central—									
Chaffee	94	.....	94	.....	.....	.....	99	99	98
Clear Creek	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fremont	100	75	102	.....	.....	.....	95	100	95
Gilpin	.....	90	90	.....	.....	.....	98	85	87
Jefferson	96	100	97	.....	.....	.....	94	96	95
Lake	.....	.....	.....	.....	.....	.....	.....	60	60
Park	.....	.....	85	.....	.....	.....	.....	.....	.....
Summit	.....	.....	.....	.....	.....	.....	.....	.....	.....
Teller	.....	85	85	.....	.....	.....	.....	88	92
6 East Cent.—									
Arapahoe	97	97	97	90	83	83	94	102	98
Cheyenne	.....	100	100	.....	.....	.....	101	80	101
Douglas	.....	.....	.....	.....	.....	.....	95	100	100
Elbert	.....	100	100	.....	.....	.....	102	100	94
El Paso	98	93	94	75	95	95	99	101	98
Kit Carson	.....	105	105	.....	100	100	103	103	102
Lincoln	.....	100	100	.....	100	100	100	98	98
7 Southwest—									
Archuleta	110	93	93	.....	.....	.....	95	100	115
Dolores	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hinsdale	.....	.....	.....	.....	.....	.....	.....	90	.....
La Plata	85	85	85	70	60	65	95	95	95
Mineral	.....	.....	.....	.....	.....	.....	.....	.....	.....
Montezuma	.....	.....	.....	.....	105	105	97	.....	100
San Juan	.....	.....	.....	.....	.....	.....	.....	.....	.....
San Miguel	100	100	100	.....	.....	.....	100	100	100
8 South Cent.—									
Alamosa	95	.....	95	100	.....	100	106	100	100
Conejos	.....	.....	101	.....	.....	.....	.....	100	100
Costilla	125	.....	125	85	.....	85	116	88	116
Custer	100	100	100	.....	.....	.....	100	100	75
Huerfano	97	97	97	95	95	95	98	102	101
Rio Grande	101	.....	101	100	.....	100	102	101	100
Saguache	100	.....	100	.....	.....	.....	100	97	99
9 Southeast—									
Baca	83	94	91	.....	.....	90	93	93	98
Bent	94	88	94	100	100	100	96	95	97
Crowley	84	68	84	80	.....	80	86	86	83
Kiowa	.....	95	95	.....	100	100	75	90	103
Las Animas	95	95	95	100	100	100	99	98	98
Otero	94	50	94	83	90	87	96	96	97
Prowers	99	102	99	80	90	85	105	102	101
Pueblo	95	93	95	80	80	80	98	92	92

*See text on Page 4.

SUMMARY OF JUNE 1, 1920, CROP REPORT FOR COLORADO AND THE UNITED STATES

Subject	COLORADO			UNITED STATES		
	1920	1919	Ave.	1920	1919	Ave.
Winter Wheat—						
Acres for harvest..	861	1,064	925‡	34,165	49,905	32,950§
Condition, per cent	87	82	86‡	78.2	94.9	82.0‡
Production, bus.	14,232	11,917	9,712‡	503,996	731,636	563,498‡
Spring Wheat—						
Acres	395	395	325‡	19,487	23,338	18,124°
Condition, per cent	95	89	92‡	89.1	91.2	93.3‡
Production, bus.	8,443	5,728	5,688‡	276,547	209,000*	259,000‡
All Wheat—						
Acres	1,256	1,459	1,250‡	53,652	73,243	52,320°
Production, bus.	22,675	17,645	15,400‡	780,543	941,000*	822,000‡
Oats—						
Acres	239	249	251‡	41,032	42,400	40,583°
Condition, per cent	95	95	93‡	87.8	93.2	89.9‡
Production, bus.	8,628	6,524*	7,530‡	1,315,476	1,248,000*	1,415,000‡
Barley—						
Acres	190	200	206‡	7,437	7,420	7,780°
Condition, per cent	96	88	92‡	87.6	91.7	90.6‡
Production, bus.	6,019	3,900	3,708‡	185,108	166,000	215,000‡
Rye—						
Acres	122	143	149‡	5,470	7,063	6,391‡
Condition, per cent	91	92	93‡	84.4	93.5	89.2‡
Production, bus.	1,443	1,258*	1,043‡	80,006	88,500*	59,900‡
Hay—						
Acres	1,425	1,431	1,384‡	71,752	72,034	71,415‡
Condition, per cent	98	94	93‡	88.9	94.1	89.9‡
Production, tons	2,862	2,811	2,711‡	111,790	109,000*	99,300‡
Alfalfa—						
Acres	728	662*	655‡	8,553	8,224	.....
Condition, per cent	99	93	93‡	92.7	96.9	91.6
Pastures—						
Condition, per cent	96	96	91‡	88.8	97.4	90.1‡
Field Peas—						
Condition, per cent	91	98	94‡	83.0	85.5	84.7‡
Field Beans—						
Condition, per cent	90	85	93‡	86.4	87.2	87.5‡
Cabbages—						
Condition, per cent	95	92	91‡	86.8	88.3	87.4‡
Onions—						
Condition, per cent	93	90	92‡	89.3	92.0	83.6‡
Apples—						
Condition, per cent	85	70	74‡	79.3	67.8	68.6‡
Production, total crop, bushels	3,204	2,795*	2,067‡	198,965	147,000*	203,000‡
Peaches—						
Condition, per cent	50	70	55‡	64.9	73.1	61.2‡
Production, total crop, bushels	638	840	959‡	45,067	50,400*	47,500‡
Pears—						
Condition, per cent	92	90	66‡	73.4	66.3	66.5‡
Production, bushels, Agricultural .....	.....	.....	.....	13,568	13,498*	12,993‡
Production, bushels, Commercial	414	382	182‡	.....	.....	.....
Berries (Black)—						
Condition, per cent	80	75	84	88.1	93.9	86.1‡
Cantaloupes—						
Condition, per cent	94	50	88	79.8	80.4	81.4‡
Sugar Beets—						
Condition, per cent	94	83	91	92.8	84.7	90.5‡

*December, 1919, estimate.
‡Ten-year average on June 1.
‡1914-1918 average.
§1911-1915 average.
°1913-1917 average.
‡1918.

Note—The figures on acreage and production merely enumerate thousands and require the addition of three ciphers (000) to complete them.