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WISCONSIN STATE DEPARTMENT OF AGRICULTURE  
Division of Agricultural Statistics

# WISCONSIN MONTHLY CROP AND LIVESTOCK REPORTER

Issued by the Wisconsin Cooperative Crop Reporting Service

Vol. I, No. 1-16

State Capitol, Madison, Wisconsin

July, 1921

## Crop Summary for July

Crop	Area in Thousands			Production in Thousands				Condition Percent of Normal			
	1921 prelim- inary	1920	1915-19 average	July 1, 1921 forecast	June 1, 1921 forecast	1920	1915-19 average	July, 1921	June, 1921	July, 1920	1910-19 av'rage
Corn, bu.	Acres 1,980	Acres 1,960	Acres 1,787	83,704		86,044	59,863	95		90	84
Potatoes, bu.	311	308	300	30,929		33,264	27,276	85		90	89
Tobacco, lbs.	47.7	50.2	45.3	56,784		62,400	52,930	91		89	92
Oats, bu.	2,552	2,408	2,253	91,081	101,825	107,906	93,456	83	95	91	92
Winter wheat, bu.	77	91	81	1,491	1,622	2,002	1,754	80	86	90	87
Spring wheat, bu.	150	250	240	2,280	2,691	3,159	4,402	76	92	89	90
Barley, bu.	487	502	596	13,704	15,107	15,930	19,162	84	94	89	92
Rye, bu.	430	483	438	7,454	7,624	7,728	7,564	88	90	91	90
Clover (alone), tons	517	556	339	669	802	973	593	65	78	92	85
Clover and timothy (mixed)	1,810	1,810	1,726	2,336	2,656	3,018	2,872	73	83	89	86
Timothy (alone), tons	349	326	481	465		492	733	77		86	84
Alfalfa, tons	114	97	56	375	331	263	143	91	91	93	86
Other tame hay, tons	45	42	39	62		68	57	82		91	88
All tame hay, tons	2,835	2,831	2,641	3,847	4,338	4,814	4,398	75	85	89	86
Wild hay, tons	357	357	347	402	455	459	479	75	85	89	86
Cabbage, tons	11.3	16.1	13.7	85		165	114	80		92	89
Field beans, bu.	9.6	12.0	20.0	96		147	157	83		92	89
Field peas, bu.	50.4	56.0	59.5	643		1,063	873	75		93	88
Sugar beets, tons	16.0	26.7	15.8	132		236	159	84		88	95
Flax, bu.	8.9	9.2	6.0	163		101	65	84		90	89
Pasture (tillable)	1,588	1,542	1,510					75	92	92	88
Apples, bu.				2,068	2,376	3,650	3,000	50	66	81	68
Onions	1.0	1.2	.9					83	88	92	89
Tomatoes								86		92	86

General crop conditions in Wisconsin on July 1 were 93.7% of the 10-year average (not the normal), as compared to 102.6% on July 1 in 1920. Corn made an exceptional growth during June, while all other staple crops declined because of the unusually dry, hot weather. Grain crops were injured quite severely by red rust, and pasture in Northeastern Wisconsin by grasshopper damage.

CORN:—Wisconsin's 1921 corn crop will approach in size the "bumper" crops of 1919 and 1920. Based upon July 1 condition, a production of 83,704,000 bushels is forecasted as compared to 86,044,000 in 1920, 86,715,000 in 1919 and a 5-year average (1915-19) of 59,863,000 bushels. The high temperatures prevailing during June in all parts of the State resulted in an enormous growth of corn. The crop

Beginning with this issue, the monthly crop reports of this Service, which were formerly distributed in mimeographed form, will be published as a printed leaflet. Mimeographed reports will be sent only to the press for release about the 11th of the month. The printed report will follow as soon thereafter as it can be printed and distributed. For early information, consult your newspaper. If it does not "carry" the crop report, ask the editor "why not."



was fully two weeks early in the first of the month. It had not suffered from the dry weather up to that date, but needed rain in order to continue its growth.

Acreage of corn is estimated at 1,980,000, or 1% larger than in 1920 when 1,960,000 acres were grown. Acreage in 1919 was 1,845,000 and the 5-year average 1,787,000 acres. The large increase in silos during the past year has had much to do with this increase.

Condition on July 1 was the second highest on record, or 95%, compared to 90% in 1920, 99% in 1919 and a 10-year average (1910-19) of 84%.

**United States:**—Production of corn in the United States is forecasted at 3,123 million bushels, compared to 3,232 million in 1920 and a 5-year average of 2,798 million. Area planted in 1921 is estimated at 108,901,000 acres, compared to 104,601,000 in 1920 and a 5-year average of 106,553,000. Condition on July 1 was 91.1%, compared to 84.6% in 1920 and a 10-year average of 83.7%.

**POTATOES:**—Acreage planted to potatoes in 1921 is the largest on record, or 311,000 acres, compared to 308,000 in 1920 and a 5-year average of 300,000 acres. A large surplus of potatoes available as seed, together with favorable planting weather and declining wages for hired labor, induced producers to increase their acreage.

Production is forecasted at 30,929,000 bushels, compared to 33,264,000 bushels produced in 1920 and a 5-year average of 27,276,000. Condition of early potatoes on July 1 was very favorable. Late potatoes were planted just before the dry weather. The stand and condition in the commercial districts are poor, much of the seed having rotted in the ground. Condition of all potatoes is estimated at 85%, compared to 90% in 1920 and a 10-year average of 89%.

**United States:**—July 1 conditions indicate that the United States potato crop will be about average. Production is forecasted at 377 million bushels, compared to 430 million in 1920 and a 5-year average of 371 million. Condition on July 1 was 83.4%, compared to 89.3% a year ago and a 10-year average of 86.8%. Planted area is given at 3,972,000 acres, compared to 3,929,000 in 1920 and a 5-year average of 3,986,000 acres.

**TOBACCO:**—Tobacco acreage in Wisconsin is 5% smaller than last year. The Vernon County section increased its area, while the Dane County district decreased approximately 10%. Area in the State is estimated at 47,700 acres, compared to 50,200 in 1920 and a 5-year average of 45,300 acres. Condition on July 1 was 91%, compared to 89% a year ago and a 10-year average of 92%. Forecasted production is 56,784,000 pounds, compared to 62,400,000 produced in 1920 and a 5-year average of 52,920,000 pounds.

**United States:**—Acreage of tobacco in United States is estimated at 1,337,000 acres, compared to 1,894,000 in 1920 and a 5-year average of 1,572,000 acres. Production is forecasted at 932 million pounds, compared to 1,508 million in 1920 and a 5-year average of 1,272 million. Condition on July 1 was 71.9%, compared to 84.3% in 1920 and a 10-year average of 82.1%.

**CABBAGE:**—The acreage in cabbage is estimated at 70% of last year's acreage, or 11,300 acres, compared to 16,100 in 1920 and a 5-year average of 14,000 acres. Condition on July 1 was 80%, compared to 92% in 1920 and a 10-year average of 89%.

**SUGAR BEETS:**—Acreage contracted to sugar beets is estimated at 21,000 acres, compared to 36,000 planted in 1920. Probable acreage which will be harvested for sugar is estimated at 16,000, compared to 26,700 harvested in 1920 and a 5-year average of 15,000 acres. Condition on July 1

was 84%, compared to 88% in 1920 and a 10-year average of 95%.

Production of grain crops in 1921 was reduced by 13,000,000 bushels during the month of June. Forecast of grain production, based upon July 1 condition, is estimated at 116,010,000 bushels, compared to 128,869,000 forecasted on June 1, 136,719,000 produced in 1920 and a 5-year average of 126,344,000.

**OATS:**—Oats declined 12% during the month. The crop has headed out on an unusually short straw with a short head and shriveled grain. Condition on July 1 was 83%, compared to 95% on June 1, 91% last year and a 10-year average of 92%. Forecasted production is 91,081,000 bushels as compared with 101,825,000 forecasted on June 1, 107,906,000 produced in 1920 and a 5-year average of 93,456,000.

**United States:**—Oats production in the United States is estimated at 1,329 million bushels as compared to 1,405 million forecasted on June 1, 1,526 million harvested in 1920 and a 5-year average of 1,433 million. Condition on July 1 was 77.6%, compared to 85.7% on June 1, 84.7% in 1920 and a 10-year average of 84.6%.

**BARLEY:**—Barley, like other grains, suffered from the dry, hot weather. Production, based on July condition, is estimated at 13,704,000 bushels, compared to 15,107,000 forecasted on June 1, 15,930,000 produced in 1920 and a 5-year average of 19,162,000. Condition on July 1 was 84%, as compared to 94% on June 1, 89% last year and a 10-year average of 92%.

**United States:**—Barley production in the United States is estimated at 184 million bushels, compared to 191 million forecasted on June 1, 202 million harvested in 1920 and a 5-year average of 208 million. Condition on July 1 was 81.4%, compared to 87.1% on June 1, 87.6% last year and a 10-year average of 85.7%.

**RYE:**—Rye had begun to head before the drought and consequently suffered less than the other grains. Condition was 88%, compared to 90% on June 1, 91% a year ago and a 10-year average of 90%. Production is estimated at 7,454,000 bushels, compared to 7,624,000 forecasted on June 1, 7,728,000 produced in 1920 and a 5-year average of 7,564,000 bushels.

**United States:**—For the United States, a production of 69.9 million bushels is forecasted, compared to 71.0 million on June 1, 69.3 million harvested in 1920 and a 5-year average of 69.2 million. Condition on July 1 was 86.8%, compared to 90.3% on June 1, 83.5% last year and a 10-year average of 86.3%.

**WHEAT:**—Total production of wheat in Wisconsin is estimated at 3,771,000 bushels, compared to 4,313,000 on June 1, 5,161,000 produced in 1920 and a 5-year average of 6,156,000 bushels.

Wheat on farms is estimated at 10% of the 1920 crop or 516,000 bushels, compared to 4.3% a year ago, or 316,000 bushels, and a 5-year average of 3.8%.

**United States:**—Total wheat production in United States is now estimated at 809 million bushels, compared to 830 million on June 1, 787 million in 1920 and a 5-year average of 831 million.

July 1 farm carry-over of wheat is estimated at 54,312,000 bushels, 6.9% of the 1920 crop, as compared to 47,620,000 bushels last year and a 5-year average of 29,328,000 bushels.

**SPRING WHEAT:**—Condition of spring wheat in Wisconsin declined from 92% on June 1 to 76% on July 1, compared to 89% last year and a 10-year average of 90%.



## Condition of Wisconsin Crops, July 1, 1921, and 5 Year Average (1915-19)

PERCENT OF NORMAL.

Counties	Corn		Potatoes		Oats		Barley		Rye		Winter Wheat		Spring Wheat		All Hay		Clover	Timothy	Pasture	Alfalfa	Apples
	1921	5-yr. Aver.	1921	5-yr. Aver.	1921	5-yr. Aver.	1921	5-yr. Aver.	1921	5-yr. Aver.	1921	5-yr. Aver.	1921	5-yr. Aver.	1921	5-yr. Aver.	1921	1921	1921	1921	1921
Northwest District																					
District 1.....	95.8	79.5	86.4	92.5	77.4	93.6	77.4	93.2	85.0	91.8	81.8	87.2	79.0	93.1	69.9	88.8	53.4	73.4	72.7	81.5	48.4
Barron.....	94	76	88	92	71	93	72	93	80	89	80	86	84	92	62	86	35	65	60	92	45
Bayfield.....	88	78	85	91	84	94	80	91	86	93	81	88	78	93	84	91	70	84	84	88	80
Burnett.....	95	83	74	95	62	96	40	96	83	96	68	88	67	93	53	90	30	40	54	55	-----
Chippewa.....	103	78	89	94	91	94	86	93	94	94	80	89	83	94	71	88	57	78	80	70	30
Douglas.....	102	78	90	87	79	91	81	86	86	93	85	87	77	87	72	92	45	85	76	-----	60
Dunn.....	95	86	85	95	76	96	79	95	85	93	80	88	79	93	64	88	35	72	64	-----	45
Eau Claire.....	99	80	91	96	74	93	88	94	89	93	81	88	76	93	77	87	52	84	88	-----	38
Pierce.....	92	81	82	95	87	98	89	96	85	93	88	88	82	96	76	98	68	84	82	90	50
Polk.....	96	80	83	94	61	95	58	93	78	90	89	83	68	94	70	88	44	72	58	81	45
Rusk.....	92	84	87	93	76	95	65	88	78	93	82	90	86	93	69	94	56	75	69	-----	40
St. Croix.....	91	78	80	87	84	95	84	95	84	86	86	90	79	96	77	83	73	78	80	88	35
Sawyer.....	100	80	92	93	71	89	78	90	85	91	80	89	65	90	56	84	50	68	56	85	40
Washburn.....	86	77	88	91	68	91	76	91	80	94	78	89	66	90	54	87	50	68	76	-----	35
North District																					
District 2.....	94.5	79.7	85.5	90.8	83.1	93.2	83.4	90.4	84.0	91.9	85.0	85.2	80.0	88.4	68.0	91.9	54.7	72.5	71.2	80.0	54.5
Ashland.....	82	80	75	82	74	90	76	88	77	93	76	83	70	89	56	92	54	52	62	-----	50
Clark.....	93	80	89	92	92	95	90	91	85	92	83	84	80	91	76	91	62	78	78	-----	56
Iron.....	92	81	85	87	88	92	81	89	85	90	83	81	84	89	66	89	50	60	60	-----	46
Lincoln.....	92	78	89	88	81	89	84	90	88	91	84	89	84	86	62	91	55	72	65	-----	60
Marathon.....	99	79	87	93	87	95	83	92	86	93	85	84	85	90	79	91	52	79	86	-----	52
Oneida.....	92	75	78	88	72	94	81	91	70	96	85	90	80	90	65	89	49	75	56	-----	55
Price.....	91	78	90	89	77	90	73	88	75	85	84	87	78	87	68	91	62	74	62	-----	50
Taylor.....	98	76	94	90	89	91	90	87	89	91	90	85	74	88	77	90	56	85	84	-----	60
Vilas.....	90	80	83	90	76	92	69	90	92	89	80	83	86	86	52	87	40	55	52	-----	60
Northeast District																					
District 3.....	94.5	77.0	87.2	91.1	77.6	90.5	74.0	90.8	86.5	88.3	82.7	88.9	76.8	92.0	54.6	86.5	45.3	61.1	59.5	82.5	55.3
Door.....	84	78	88	91	67	88	65	88	94	85	83	88	74	90	61	85	48	72	35	81	74
Florence.....	95	75	92	91	76	95	67	91	92	93	80	93	81	95	50	88	47	52	64	-----	60
Forest.....	92	73	94	91	81	95	74	91	87	93	80	93	82	96	50	91	36	48	48	-----	60
Langlade.....	90	73	96	90	88	88	86	92	87	91	80	89	78	91	65	91	60	75	80	-----	30
Marquette.....	92	79	84	93	89	93	89	90	90	89	83	88	83	94	60	82	47	62	63	70	46
Oconto.....	96	79	84	88	79	89	75	88	85	85	81	85	69	88	60	85	59	63	62	86	60
Shawano.....	95	81	83	92	76	93	75	93	83	91	83	91	78	94	51	89	37	64	64	84	42
West District																					
District 4.....	101.0	82.6	88.8	96.1	90.0	96.2	89.0	97.0	90.1	93.6	69.8	85.4	81.0	95.5	72.7	88.8	50.5	81.3	83.9	85.0	42.8
Buffalo.....	105	81	89	93	94	94	89	94	98	95	80	83	88	97	74	90	40	90	92	88	40
Jackson.....	98	79	82	92	80	93	87	93	87	94	86	89	74	95	57	85	30	65	73	72	25
La Crosse.....	100	78	95	93	92	94	93	94	92	97	84	90	94	98	80	93	60	87	94	92	38
Monroe.....	101	79	81	94	92	95	93	94	91	92	83	82	84	92	74	86	53	81	77	84	44
Pepin.....	96	81	96	93	90	91	92	92	94	91	84	85	81	92	85	94	62	90	84	94	48
Trempealeau.....	102	85	90	95	92	97	91	97	90	90	62	82	77	96	68	89	50	78	81	80	55
Vernon.....	96	84	95	97	88	96	82	97	80	95	80	80	78	96	84	89	66	88	90	85	35
Central District																					
District 5.....	96.5	79.9	74.8	92.4	78.2	91.8	87.1	92.7	89.0	89.6	71.4	87.7	75.6	92.7	66.0	86.4	54.3	71.8	70.6	80.4	40.5
Adams.....	89	81	71	93	65	94	88	94	83	92	70	88	72	93	63	87	56	63	56	70	28
Green Lake.....	91	78	58	93	72	94	82	94	88	93	78	85	75	95	62	84	49	71	58	84	37
Juneau.....	101	79	92	92	83	93	92	93	89	89	62	87	80	94	73	88	61	79	74	72	34
Portage.....	101	79	71	89	80	91	82	96	92	88	70	89	75	91	58	88	46	71	62	90	50
Marquette.....	100	79	64	90	73	91	78	91	92	87	74	83	68	92	69	77	61	83	81	86	44
Waupaca.....	97	82	83	93	81	92	82	95	88	94	70	88	82	94	64	90	50	69	69	74	50
Waushara.....	97	84	69	93	79	89	80	91	88	86	62	89	81	92	61	86	61	63	68	79	32
Wood.....	95	76	90	92	86	93	93	91	90	91	80	87	88	93	79	88	52	79	87	80	39
East District																					
District 6.....	93.5	78.9	84.7	90.4	80.3	91.4	78.7	90.7	86.7	90.2	83.9	85.7	74.1	91.2	73.7	86.6	70.1	74.5	63.4	88.8	60.8
Brown.....	92	77	78	87	70	86	73	86	80	85	78	83	69	88	54	82	56	64	45	76	48
Calumet.....	82	70	75	84	77	88	80	88	78	90	82	83	66	89	65	87	64	75	65	82	68
Dodge.....	95	84	90	95	78	94	73	96	87	96	83	89	68	95	82	89	85	79	62	80	54
Fond du Lac.....	102	76	89	94	85	93	85	93	94	91	86	85	80	92	77	87	81	86	77	91	72
Kewaunee.....	95	82	79	96	65	91	64	87	88	87	90	84	62	90	65	86	65	63	55	82	52
Manitowoc.....	94	79	85	88	72	92	71	87	85	85	81	86	68	88	69	78	67	73	60	81	50
Outagamie.....	101	83	97	95	87	95	87	96	88	94	87	90	85	95	82	91	72	83	72	96	65
Ozaukee.....	81	76	83	86	83	90	81	90	82	89	81	82	73								

Production is now forecasted at 2,280,000 bushels, compared to 2,691,000 on June 1, 3,159,000 produced in 1920 and a 5-year average of 4,402,000 bushels.

**United States:**—Production of spring wheat is estimated at 235 million bushels, compared to 251 million forecasted on June 1, 209 million produced in 1920 and a 5-year average of 258 million. Condition on July 1 was 80.8%, compared to 93.4% on June 1, 88.0% a year ago and a 10-year average of 85.0%.

**WINTER WHEAT:**—Wisconsin winter wheat declined from 86% on June 1 to 80% on July 1, compared to 90% a year ago and a 10-year average of 87%. Production will total 1,491,000 bushels, compared to 1,622,000 forecasted on June 1, 2,002,000 produced in 1920 and a 5-year average of 1,754,000 bushels.

**United States:**—The United States winter wheat crop is now estimated at 574 million bushels, compared to 578 million on June 1, 578 million produced in 1920 and a 5-year average of 572 million bushels. Condition on July 1 was 77.2%, compared to 77.9% on June 1, 79.7% in 1920 and a 10-year average of 81.0%.

The Wisconsin hay crop in 1921 will be approximately a million tons less than in 1920. Based upon July 1 conditions, a production of 4,249,000 tons is estimated, compared to 4,793,000 forecasted on June 1, 5,273,000 produced in 1920 and a 5-year average of 4,854,000 tons. A late frost this

at 81.8 million tons, compared to 85.2 million on June 1, 91.2 million in 1920 and a 5-year average of 85.8 million tons.

Wild hay is estimated at 15.2 million tons, compared to 17.0 million produced in 1920 and a 5-year average of 17.7 million tons.

**PASTURES:**—Wisconsin pastures became exceedingly scant during June. Condition on July 1 was 75% compared to 92% on June 1, 92% a year ago and a 10-year average of 88%.

**APPLES:**—Dry weather during June increased the "June drop" of apples and reduced the prospect from 2,376,000 bushels on June 1 to 2,068,000 on July 1, compared to 3,650,000 harvested in 1920 and a 5-year average of 3,000,000 bushels. Condition was 50% of normal, compared to 66% on June 1, 81% a year ago and a 10-year average of 68%.

The commercial apple crop is estimated at 124,000 barrels, compared to 180,000 in 1920 and 126,000 in 1919.

**United States:**—Total production of apples in the United States will be less than half as large as last year. Based upon July 1 conditions, a crop of 102 million bushels is expected, compared to 108 million forecasted on June 1, 240 million produced in 1920 and a 5-year average of 183 million bushels.

Condition on July 1 was 34.3%, compared to 41.8% on June 1, 70.7% last year and a 10-year average of 63.2%.

## WISCONSIN'S GREATEST STATE FAIR

### WEST ALLIS, AUGUST 29—SEPTEMBER 3

spring materially reduced the stand of hay, and the hot, dry weather of June reduced the yield and lowered the quality of the crop. All hay crops ripened and were cut much earlier than usual.

**TAME HAY:**—Production of tame hay is estimated at 3,847,000 tons, compared to 4,338,000 forecasted on June 1, 4,814,000 produced in 1920 and a 5-year average of 4,398,000 tons.

**WILD HAY** will produce 402,000 tons, compared to 455,000 forecasted on June 1, 459,000 produced in 1920 and a 5-year average of 479,000 tons. Condition of meadows on July 1 was 75% of normal, compared to 85% on June 1, 89% a year ago and a 10-year average of 86%.

The acreage in timothy is estimated at 107% of last year, or 349,000 acres as compared with 326,000 in 1920 and 371,000 in 1919. Condition on July 1 was 77%, compared to 86% a year ago and a 10-year average of 84%.

Condition of clover on July 1 was 65%, compared to 78% on June 1, 92% a year ago and a 10-year average of 85%.

Condition of alfalfa on July 1 was 91%, compared to 94% on June 1, 93% a year ago and a 10-year average of 86%.

Condition of millet on July 1 was 82%, compared to 91% a year ago and a 10-year average of 88%.

**United States:**—Hay production in the United States is estimated at 97 million tons compared to 101 million forecasted on June 1, 108 million produced in 1920 and a 5-year average of 103 million tons. Condition on July 1 was 79.5%, compared to 85.0% on June 1, 85.5% a year ago and a 10-year average of 83.3%. Tame hay production is estimated

### WISCONSIN LIVESTOCK

The outstanding feature of the livestock situation in Wisconsin today is the large increase in dairy heifers. An extensive inquiry made on May 15th of individual farms, of which over 3,200 reports were tabulated, indicated that there were 12% more heifers on Wisconsin farms than on the same date in 1920. A smaller inquiry on July 1st corroborated this, and showed 8% more than the previous July. A summary of the two reports follows:

Class	May 15, 1921 Number compared to same date last year Percent	Class	July 1, 1921 Number compared to same date last year Percent
Milk cows.....	100	Cows .....	100
Other cows.....	98	Heifers over 1 year.....	108
Heifers over 4 months.....	112	Steers over 1 year.....	84
Steers over 4 months.....	84	Other cattle.....	106
Bulls.....	104	Calves under 1 year.....	101
Calves under 4 months.....	102	All cattle.....	101
All cattle.....	101		
Brood sows.....	96	Swine over 6 months.....	95
Other swine over 4 months.....	96	Swine under 6 months.....	97
Pigs under 4 months.....	98		
All swine.....	97	All swine.....	96
Breeding ewes.....	90		
Wethers over 4 months.....	92	All sheep.....	98
Lambs under 4 months.....	99		
All sheep.....	92		
Horses and colts.....	94		



# WISCONSIN MONTHLY CROP AND LIVESTOCK REPORTER

JOSEPH A. BECKER, Agricultural Statistician

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## Crop Summary for August

Crop	Area in Thousands			Production in Thousands				Condition Percent of Normal			
	1921 prelim- inary	1920	1915-19 average	Aug. 1, 1921 forecast	July 1, 1921 forecast	1920	1915-19 average	Aug. 1, 1921	Aug. 1, 1921	Aug. 1, 1920	Aug. 1, 1910-19 av'rage
Corn, bu. ....	Acres 1,980	Acres 1,960	Acres 1,787	81,061	83,704	86,044	59,863	92	95	86	84
Potatoes, bu. ....	311	308	300	19,826	30,929	33,264	27,276	51	85	83	81
Tobacco, lbs. ....	47.7	50.2	45.3	52,379	56,784	62,400	52,920	79	91	86	85
Oats, bu. ....	2,552	2,408	2,253	65,127	91,081	107,906	93,456	58	83	92	88
Winter wheat, bu. ....	77	91	81	1,271	1,491	2,002	1,754	—	80	—	—
Spring wheat, bu. ....	150	250	240	1,796	2,280	3,159	4,402	57	76	80	85
Barley, bu. ....	487	502	596	11,089	13,704	15,930	19,162	66	84	90	88
Rye, bu. ....	430	483	438	6,450	7,454	7,728	7,564	—	88	—	—
Buckwheat, bu. ....	25	27	26	351	—	424	380	78	—	87	85
Clover (alone), tons ....	517	556	339	646	669	973	593	—	65	96	—
Clover and timothy (mixed) ..	1,810	1,810	1,726	2,298	2,336	3,018	2,872	73	73	91	90
Timothy (alone), tons ....	349	326	481	416	465	492	733	74	77	91	88
Alfalfa, tons ....	114	97	56	298	315	263	143	86	91	93	88
Other tame hay, tons ....	45	42	39	63	62	68	57	80	82	93	86
All tame hay, tons ....	2,835	2,831	2,641	3,721	3,847	4,814	4,398	75	75	91	90
Wild hay, tons ....	357	357	347	388	402	459	479	75	75	91	90
Cabbage, tons ....	11.3	16.1	13.7	60	85	165	114	56	80	90	84
Field beans, bu. ....	9.6	12.0	20.0	87	96	147	157	74	83	89	88
Field peas, bu. ....	50.4	56.0	59.5	514	643	1,063	873	58	75	90	87
Sugar beets, tons ....	16.0	26.7	15.8	115	132	236	150	72	84	88	88
Flax, bu. ....	8.9	9.2	6.0	88	103	101	65	70	84	91	87
Pasture (tillable) ....	1,588	1,542	1,510	—	—	—	—	55	75	78	79
Sorghum for syrup, gals. ....	3.8	4.0	3.0	292	295	300	175	85	96	87	83
Apples, bu. ....	—	—	—	1,947	2,068	3,650	3,000	42	50	76	60
Onions ....	1.0	1.2	.9	170	235	552	284	60	83	91	86
Tomatoes ....	—	—	—	—	—	—	—	80	85	89	87
Grapes ....	—	—	—	—	—	—	—	75	82	90	81

### CULTIVATED CROPS

**CORN:**—The condition of corn on August 1 was still very high, although considerable declines were shown in many southern and eastern counties. Condition on August 1 was 92% of normal, compared to 95% on July 1, 86% last year and a 10-year average of 88%. With favorable weather until harvest, the 1921 crop will still be one of the largest ever produced. Production is now forecasted at 81,061,000 bushels, compared to 83,704,000 on July 1, 86,044,000 produced in 1920 and a 5-year average (1915-19) of 59,863,000 bushels.

**United States:**—Production of corn in the United States in 1921 will be one of the largest ever known for this crop. Based on August 1 condition a production of 3,033 million in 1920 and a 5-year average of 371 million bushels. Condition on August 1 was 65.8%, compared to 83.4% on July 1, 87.0% a year ago, and a 10-year average of 81.0%.

**TOBACCO:**—Production of tobacco in Wisconsin is estimated at 52,379,000 pounds, compared to 56,784,000 forebushels is forecasted, compared to 3,123 million estimated from July 1 condition, 3,232 million produced in 1920, and a 5-year average of 2,798 million bushels. Condition on August 1 was 84.3% of normal, compared to 91.1% on July 1 86.7% a year ago and a 10-year average of 78.1%.

**POTATOES:**—Wisconsin's 1921 potato crop from August 1 indication will be, with the exception of the frost-stricken crop of 1916, the smallest crop since 1905. Condition on August 1 was 51%, compared to 85% on July 1, 83% a year ago and a 10-year average of 81%. Production is forecasted at 19,826,000 bushels, compared to 30,929,000 on

July 1, 33,264,000 bushels produced in 1920, and a 5-year average of 27,276,000 bushels. Early potatoes are nearly a failure everywhere in the State. Late potatoes in Northern Wisconsin have a good stand and have revived to a considerable extent. In Central Wisconsin, the stand is very imperfect, and surviving plants are small and weak.

**United States:**—The United States crop of potatoes in 1921 is, with the exception of the crop of 1916, the smallest since 1911. Production based upon August 1 condition, is estimated at 316 million bushels, compared to 377 million forecasted from July 1 condition, 431 million produced on July 1, 62,400,000 produced in 1920, and a 5-year average of 52,920,000 pounds. The crop is rather uneven in stand, particularly in Vernon County. It is topping too early and some damage from worms is reported. Condition on August 1 was 79%, compared to 91% on July 1, 86% on August 1 last year, and a 10-year average of 85%.

**United States:**—The tobacco crop of the United States will be very small this year. Not only is the August 1 condition low, but large decreases occurred in the acreage planted to this crop in the Southern States. Production is now estimated to be 889 million pounds, compared to 932 million forecasted on July 1, 1,508 million produced in 1920, and a 5-year average of 1,272 million bushels. Condition on August 1 was 66.6%, compared to 71.9% on July 1, 84.1% last year, and a 10-year average of 79.1%.

**CABBAGE:**—Cabbage in Wisconsin has suffered from the heat and drought, which were particularly severe in the commercial centers, and from insect damage. Production is estimated at 60,000 tons, compared to 85,000 forecasted

on July 1, 165,000 produced in 1920 and a 5-year average of 114,000 tons. Condition on August 1 was 56%, compared to 80% on July 1, 90% last year, and a 10-year average of 84%.

**United States:**—Condition of cabbage for the United States on August 1 was 73.5%, compared to 83.6% on July 1, 88.9% last year and a 10-year average of 82.4%.

**ONIONS:**—Onions have been greatly damaged by heat, drought, insect pests, and plant disease. Production is estimated at 170,000 bushels compared to 552,000 produced in 1920, and a 5-year average of 284,000 bushels. Condition on August 1 was 60%, compared to 86% on July 1, 91% a year ago, and a 10-year average of 86%.

**United States:**—Condition of onions for the United States on August 1 was 78.0%, compared to 87.2% on July 1, 89.0% last year, and a 10-year average of 84.8%.

**SUGAR BEETS:**—Production of sugar beets is estimated at 115,000 tons, compared to 132,000 forecasted on July 1, 236,000 produced in 1920, and a 5-year average of 150,000 tons. Condition on August 1 was 72%, compared to 84% on July 1, 89% last year, and a 10-year average of 88%.

**United States:**—For the United States, condition of sugar beets on August 1 was 39.9%, compared to 90.3% on July 1, 91.9% a year ago, and a 10-year average of 87.8%.

### SMALL GRAINS

Total production of all grains is forecasted at 85,733,000 bushels, compared to 116,010,000 on July 1, 136,719,000 produced last year, and a 5-year average of 126,344,000 bushels.

**OATS:**—Condition of oats declined from 83% on July 1 to 58% on August 1, compared to 92% last August and a 10-year average of 86%. Production is now forecasted at 65,127,000 bushels, compared to 91,081,000 forecasted on July 1, 107,906,000 produced in 1920, and a 5-year average of 93,458,000 bushels.

Fortunately the hold-over of oats from the 1920 crop is unusually large. Estimated reserves on August 1 were 10,788,000 bushels (10.0% of 1920 crop), compared to 4,313,000 bushels last year (5.5% of 1919 crop), and a 5-year average of 6,823,000 bushels.

**United States:**—Oats production for the United States is now estimated at 1,137 million bushels, compared to 1,329 million bushels forecasted on July 1, 1,526 million produced in 1920 and a 5-year average of 1,433 million bushels. Condition on August 1 was 64.5%, compared to 77.6% on July 1, 87.2% a year ago, and a 10-year average of 81.6%.

Farm stocks of oats are estimated at 162 million bushels, compared to 56 million a year ago and a 5-year average of 78 million bushels.

**BARLEY:**—Barley production is estimated at 11,089,000 bushels, compared to 13,704,000 forecasted on July 1, 15,930,000 produced in 1920 and a 5-year average of 19,162,000 bushels. Condition on August 1 was 66%, compared to 84% on July 1, 90% last year, and a 10-year average of 86%.

Farm stocks of barley on August 1 are estimated at 987,000 bushels (6.2% of the 1920 crop), compared to 479,000 bushels last year (3.5% of 1919 crop), and a 5-year average of 779,000 bushels.

**United States:**—Production of barley in the United States is estimated at 171 million bushels, compared to 184 million forecasted on July 1, 202 million produced last year, and a 5-year average of 208 million bushels. Condition on August 1 was 71.4%, compared to 81.4% a month ago, 85.0% on August 1, 1921, and a 10-year average of 80.8%.

Barley stocks on farms are estimated as 14.3 million bushels (7.1% of 1920 crop), compared to 4.6 million a year ago (2.8% of 1919 crop), and a 5-year average of 7.5 million bushels.

**WHEAT:**—Wheat production in Wisconsin is estimated at 3,067,000 bushels, compared to 3,771,000 forecasted on July 1, 5,161,000 produced in 1920, and a 5-year average of 6,156,000 bushels.

Condition of spring wheat on August 1 was 57%, compared to 76% on July 1, 80% a year ago, and a 10-year average of 84%. Production is forecasted at 1,796,000 bushels, compared to 2,280,000 forecasted on July 1, 3,159,000 produced in 1920, and a 5-year average of 4,402,000 bushels.

Preliminary estimate of yield per acre for winter wheat is 16.5 bushels, compared to 22.0 bushels in 1920, and a 10-year average of 20.5 bushels. Production is estimated

at 1,271,000 bushels, compared to 1,491,000 forecasted on July 1, 2,002,000 produced in 1920, and a 5-year average of 1,754,000 bushels.

Quality of grain is lower than average. In some counties much of the grain is reported below milling grade. Expressed in per cent of a "high medium grade", quality is estimated at 78%, compared to 92% last year and a 10-year average of 90%.

**United States:**—Wheat Production in the United States is estimated at 757 million bushels, compared to 809 million forecasted on July 1, 787 million produced in 1920, and a 5-year average of 831 million bushels.

Spring wheat production is now estimated at 213 million bushels, compared to 235 million forecasted on July 1, 209 million produced in 1920, and a 5-year average of 258 million bushels. Condition on August 1 was 66.6%, compared to 80.8% on July 1, 73.4% a year ago, and a 10-year average of 73.2%.

Preliminary yield per acre of winter wheat is estimated at 14.0 bushels per acre, compared to 15.3 last year, and a 10-year average of 15.1 bushels. Production is estimated at 544 million bushels, compared to 574 million forecasted on July 1, 578 million produced in 1920, and a 5-year average of 572 million bushels.

**RYE:**—Rye had begun to head and fill before the intensely hot weather set in, and consequently suffered less than did the other grain crops. Preliminary estimate of yield per acre is 15.0 bushels, compared to 16.0 in 1920 and a 10-year average of 17.2 bushels. Production is estimated at 6,450,000 bushels, compared to 7,454,000 forecasted on July 1, 7,728,000 produced in 1920 and a 5-year average of 7,564,000 bushels.

Quality of grain is estimated to be 84% of a high medium grade, as compared to 94% last year, and a 10-year average of 93%.

**United States:**—The United States rye crop is estimated at 64.3 million bushels, compared to 70.0 million forecasted on July 1, 69.3 million produced last year, and a 5-year average of 69.2 million bushels. Preliminary estimated yield per acre is 14.2 bushels, compared to 13.7 last year, and a 5-year average of 14.8 bushels.

Quality of grain is given at 87.6%, compared to 93.0% last year, and a 10-year average of 92.2%.

**BUCKWHEAT:**—Preliminary estimate of acreage planted to buckwheat is 25,000 acres (92% of 1920 acreage), compared to 27,000 in 1920, and a 5-year average of 26,000 acres. Production is forecasted at 351,000 bushels, compared to 424,000 produced in 1920, and a 5-year average of 380,000 bushels. Condition on August 1 was 78%, compared to 87% last year, and a 10-year average of 85%.

**United States:**—Area planted to buckwheat is estimated at 691,000 acres, compared to 729,000 in 1920, and a 5-year average of 868,000 acres. Production is forecasted at 13.0 million bushels compared to 13.8 in 1920 and a 5-year average of 15.0 million bushels.

### HAY CROPS

Total production of hay is estimated at 4,109,000 tons, compared to 4,249,000 forecasted on July 1, 5,273,000 produced in 1920, and a 5-year average of 4,854,000 tons.

Condition of meadows on August 1 was 75% of normal, compared to 75% on July 1, 91% last year, and a 10-year average of 90%.

**TAME HAY:**—Production of all tame hay is estimated at 3,721,000 tons, compared to 3,847,000 forecasted on July 1, 4,814,000 produced in 1920, and a 5-year average of 4,398,000 tons.

Production of timothy is estimated at 416,000 tons, compared to 465,000 forecasted on July 1, 492,000 produced in 1920, and a 5-year average of 733,000 tons. The crop was largely cut before August 1, and the condition of 74% on August 1 really represents its condition at time of harvest. Condition on July 1 was 77%, compared to 91% on August 1 last year, and a 10-year average of 88%.

The main Wisconsin hay crop (clover and timothy) was already cut on July 1, so no change in condition is shown on August 1.

Preliminary estimate of yield per acre of clover is 1.25 tons, compared to 1.75 in 1920, and an 8-year average of 1.80 tons. Due to scant pastures, much of the second growth of clover was used as pasture for livestock. Clover production is estimated at 648,000 tons, compared to 669,000 forecasted on July 1, 973,000 tons produced in 1920, and a 5-year average of 593,000 tons.



## Condition of Wisconsin Crops, August 1, 1921, and 5 Year Average (1915-19)

PERCENT OF NORMAL.

COUNTIES	Condition August 1, 1921, in Percent of Normal													Yield per Acre					
	Corn	Potatoes	Oats	Barley	Spr'g Wh't	All Hay	Timothy	Alfalfa	Pasture	Apples	Tobacco	Sugar Beets	Cabbage	Winter Wheat		Rye		Clover (Alone)	
														1921	5-yr. Ave.	1921	5-yr. Ave.	1921	5-yr. Ave.
Northwest District																			
District 1	103.9	54.0	52.1	58.5	59.0	64.8	69.4	76.9	66.0	53.0	80.0	73.9	60.0	11.5	21.3	15.5	19.4	1.10	1.83
Barron	108	55	45	47	57	56	62	64	55	86	72	76	76	12	20.8	18	22.4	.9	1.86
Bayfield	106	65	74	70	82	72	80	90	81	56	---	---	58	20	23.2	17	19.0	1.2	2.04
Burnett	102	49	38	46	53	53	50	88	58	---	---	---	---	12	19.2	12	16.8	.9	1.60
Chippewa	113	52	58	66	54	80	80	90	73	65	---	88	90	10	20.0	13	20.0	1.0	1.00
Douglas	102	60	60	57	60	66	78	---	55	60	---	---	---	---	18.8	14	20.0	1.0	1.76
Dunn	99	46	57	62	48	67	76	50	68	28	84	---	---	8	21.4	13	17.4	1.1	1.58
Eau Claire	102	50	52	65	74	74	80	90	74	45	---	65	60	13	19.0	16	16.4	.8	1.42
Pierce	87	32	62	68	61	76	76	91	48	48	70	55	43	14	24.0	18	21.0	1.2	2.20
Polk	106	57	40	45	46	61	69	75	39	50	---	---	54	12	21.6	21	20.4	1.1	1.84
Rusk	101	63	63	66	62	69	71	---	80	---	---	75	70	---	21.4	17	21.2	1.3	2.10
St. Croix	104	48	56	70	57	72	76	55	55	---	---	75	56	16	21.6	18	19.4	1.6	1.76
Sawyer	99	58	43	56	60	46	57	---	77	---	---	65	70	---	21.6	16	18.6	.8	1.62
Washburn	108	70	42	55	50	52	55	75	62	50	---	---	---	---	21.0	15	18.4	.8	1.74
North District																			
District 2	101.3	64.4	50.4	62.8	67.5	61.8	68.1	76.7	66.4	55.0	85.0	---	75.0	12.0	19.6	17.1	20.5	1.12	1.95
Ashland	93	70	59	76	65	61	66	80	79	60	---	---	70	15	21.0	16	19.4	1.1	1.86
Clark	102	56	42	53	63	69	72	---	68	40	---	---	89	---	20.4	18	21.6	.9	2.26
Iron	103	65	80	80	75	70	72	---	72	40	---	---	70	---	19.8	15	19.8	1.3	1.80
Lincoln	102	71	56	62	78	59	64	90	54	62	---	---	72	---	21.2	18	20.4	.9	1.60
Marathon	101	52	52	56	68	78	79	---	67	56	---	---	50	12	19.0	17	20.2	1.1	1.90
Oneida	105	68	58	57	65	42	50	60	42	40	---	---	40	13	19.2	16	18.8	.7	1.58
Price	105	72	56	58	70	67	69	---	75	50	---	---	85	11	20.4	12	19.6	1.6	1.86
Taylor	104	62	46	71	80	68	80	---	82	55	---	---	71	12	20.8	22	21.8	1.3	2.04
Vilas	96	66	26	25	60	35	35	---	45	---	---	---	---	8	19.0	13	20.2	1.1	1.58
Northeast District																			
District 3	98.6	54.5	47.3	48.2	45.0	54.2	55.6	75.0	48.5	60.0	---	73.0	55.0	14.8	21.0	15.2	19.3	1.02	1.67
Door	88	62	52	46	44	62	66	60	26	72	---	65	---	12	18.8	14	17.6	.9	1.50
Florence	103	45	28	26	35	35	42	---	32	55	---	---	---	---	18.6	---	18.2	.6	1.72
Forest	99	56	46	51	---	38	43	---	35	---	---	---	---	---	21.2	---	17.8	.6	1.76
Langlade	100	75	65	50	---	50	50	---	58	---	---	---	---	---	19.4	---	21.0	1.1	1.86
Marquette	103	62	38	54	40	59	59	60	49	48	---	69	50	15	18.4	16	18.0	1.0	1.62
Oconto	102	48	47	43	38	61	61	70	58	41	---	78	48	14	21.2	14	19.2	1.2	1.52
Shawano	99	51	50	53	56	52	52	89	53	41	---	---	60	15	21.8	16	20.2	.9	1.74
West District																			
District 4	99.0	52.9	64.9	65.7	60.5	68.6	76.9	88.5	68.6	42.2	78.0	---	65.0	14.1	20.8	13.1	17.7	1.13	1.67
Buffalo	109	45	52	58	60	76	91	90	85	22	90	---	80	10	20.4	15	18.6	1.3	1.80
Jackson	95	54	60	65	30	45	65	84	68	23	89	---	40	9	20.8	13	17.2	.6	1.54
La Crosse	95	42	67	67	66	60	72	91	50	47	92	---	52	14	21.6	14	17.8	1.3	1.74
Monroe	103	47	65	72	63	70	77	87	62	46	85	---	85	16	19.8	12	16.6	1.0	1.80
Pepin	90	61	72	66	64	80	72	83	57	55	---	---	70	12	21.2	10	17.0	1.3	1.68
Trempealeau	101	61	65	68	69	70	75	85	72	73	91	---	90	14	21.2	13	17.8	1.2	1.80
Vernon	94	59	69	58	46	79	86	93	75	20	75	---	90	15	19.4	15	17.6	1.3	1.86
Central District																			
District 5	85.0	40.9	52.4	61.7	60.1	68.2	71.5	78.1	49.1	27.9	78.0	92.0	70.0	16.0	19.6	10.5	14.7	1.04	1.58
Adams	69	28	40	60	53	69	59	72	39	20	---	---	75	---	17.6	9	12.8	1.0	1.48
Green Lake	78	36	50	58	59	62	69	85	38	17	---	---	72	16	21.4	16	16.2	1.0	1.66
Juneau	92	46	65	71	57	77	68	---	51	22	77	---	72	18	19.4	12	15.2	1.3	1.50
Portage	87	50	57	66	68	55	67	48	39	28	---	---	70	15	17.8	11	14.6	.6	1.26
Marquette	78	25	49	60	52	77	79	90	52	29	---	---	---	11	16.6	10	13.6	1.1	1.74
Waupaca	92	56	62	64	70	67	76	87	51	31	---	92	76	16	20.0	12	18.6	1.0	1.72
Waushara	73	35	70	68	72	70	69	76	47	28	---	---	58	16	17.6	9	12.4	1.0	1.48
Wood	103	45	40	54	65	70	76	75	62	32	90	---	71	---	17.6	15	17.8	1.1	1.82
East District																			
District 6	86.7	47.6	62.7	71.6	57.2	70.1	71.7	85.6	43.2	45.0	---	72.5	70.0	17.6	22.3	19.0	20.1	1.34	1.81
Brown	92	50	64	66	58	58	64	95	55	43	---	80	75	16	20.0	18	17.4	1.0	1.64
Calumet	89	40	65	73	46	60	67	84	52	42	---	76	---	17	20.0	19	20.6	1.1	2.12
Dodge	82	48	60	60	60	87	86	84	38	39	---	70	53	18	24.4	19	22.2	1.7	1.88
Fond du Lac	80	40	54	62	60	71	67	88	30	41	---	59	51	19	24.8	21	21.4	1.5	1.68
Kewaunee	90	39	62	58	63	53	53	75	37	30	---	40	---	14	18.8	16	18.0	.8	1.28
Manitowoc	86	50	64	60	57	74	74	79	52	39	---	77	68	14	20.4	19	20.8	1.5	1.78
Otagamie	98	60	72	71	76	70	71	89	60	64	---	88	74	16	20.6	18	21.2	1.3	1.78
Ozaukee	89	48	63	63	53	65	68	92	42	40	---	74	48	18	23.6	16	21.4	1.3	1.92
Sheboygan	92	56	70	74	60	70	72	90	46	57	---	65	---	16	24.2	16	19.6	1.1	1.94
Washington	82	36	61	66	48	68	78	80	49	54	---	74	80	19	24.4	21	20.6	1.1	2.04
Winnebago	86	41	57	60	45	58	68	78	20	36	---	57	---	18	23.6	21	20.2	1.5	1.74
Southwest District																			
District 7	95.5	48.2	58.3	65.0	59.4	77.2	81.7	94.5	62.4	33.7	82.4	---	76.0	15.0	19.3	17.0	17.7	1.52	1.87
Crawford	99	52	66	76	67	81													

Quality of clover was 89%, compared to 96% last year, and a 10-year average of 94%.

Alfalfa production is estimated at 298,000 tons, compared to 315,000 forecasted on July 1, 263,000 produced in 1920, and a 5-year average of 143,000 tons. Condition on August 1 was 86%, compared to 91% on July 1, 93% last year, and a 10-year average of 88%.

Other tame hay (millet, soy bean hay, etc.) will produce about 63,000 tons, compared to 68,000 in 1920, and a 5-year average of 57,000 tons.

WILD HAY production is forecasted at 388,000 tons, compared to 402,000 forecasted on July 1, 459,000 produced in 1920, and a 5-year average of 479,000 tons.

**United States:**—The United States hay crop will total 97.1 million tons, compared to 97.0 million forecasted on July 1, 108.2 million produced in 1920, and a 5-year average of 103.4 million tons. Total acreage harvested is estimated at 72,373,000 acres, compared to 73,180,000 in 1920, and a 5-year average of 69,737,000 acres.

All tame hay will produce 81.6 million tons, compared to 81.7 million forecasted on July 1, 91.2 million produced in 1920, and a 5-year average of 85.8 million tons. Condition on August 1 was 82.2%, compared to 79.5% on July 1, 90.5% in 1920, and a 10-year average of 84.8%.

Condition of timothy on August 1 was 78.9%, compared to 76.9% on July 1, 88.6% last year, and a 10-year average of 83.6%. Condition of alfalfa on August 1 was 56.6%, compared to 86.7% on July 1, 91.4% last year, and a 10-year average of 85.6%.

Preliminary estimate of clover yield is 1.23 tons per acre, compared to 1.46 tons in 1920, and an 8-year average of 1.26 tons.

Indicated production of wild hay is 15.5 million tons, compared with 15.3 forecasted on July 1, 17.0 million produced in 1920, and a 5-year average of 17.6 million tons. Acreage for harvest this year is estimated at 14,946,000 compared to 15,266,000 acres in 1920, and a 5-year average of 16,352,000 acres.

**PASTURE:**—Pastures in Wisconsin were extremely scant during all July and had only begun to revive toward the close of the month following the general rains of the last week. Stall feeding of livestock was general over the State. Condition on August 1 was 55%, compared to 75% on July 1, 78% last year, and a 10-year average of 79%.

**United States:**—Condition of pastures in the United States on August 1 was 74.3%, compared to 80.8% on July 1, 86.3% last year, and a 10-year average of 79.7%.

**APPLES:**—Condition of apples declined 8% during July. The extreme heat and lack of soil moisture caused a heavy drop and decreased the size of fruit. Prospective production of apples is placed at 1,947,000 bushels, compared to 2,068,000 forecasted on July 1, 3,650,000 bushels produced in 1920, and a 5-year average of 3,000,000 bushels. Condition on August 1 was 42%, compared to 50% on July 1, 76% last year, and a 10-year average of 60%.

The commercial production is forecasted at 117,000 barrels, compared to 124,000 forecasted on July 1, 180,000 produced in 1920, and 126,000 in 1919.

**United States:**—Total production of apples in the United States is estimated at 109 million bushels, compared to 102 million forecasted on July 1, 240 million produced in 1920, and a 5-year average of 183 million bushels.

The commercial crop is estimated at 21,327,000 barrels, compared to 17,666,000 forecasted on July 1, 36,272,000 produced in 1920 and a 4-year average of 25,014,000 barrels.

Production of FIELD PEAS in Wisconsin is estimated at 514,000 bushels, compared to 643,000 forecasted on July 1, 1,063,000 produced in 1920, and a 5-year average of 873,000 bushels.

Production of FIELD BEANS is estimated at 87,000 bushels, compared to 96,000 forecasted on July 1, 147,000 produced in 1920, and a 5-year average of 157,000 bushels.

#### NOTE FOR CROP CORRESPONDENTS

The Crop Reporting Service will have a booth in the county exhibit building in connection with the exhibit of the State Department of Agriculture. The Agricultural Statistician will be at this booth during the entire week. All crop correspondents are urged to visit the booth in order to become acquainted with the Agricultural Statistician and members of the staff of the State Department.

#### MEANING OF CROP FORECASTS

The Bureau of Markets and Crop Estimates makes monthly, during the growing season, what are generally called forecasts of production. This term "forecast" is really a misnomer. A forecast is a prediction of what is actually expected to happen in the future. But a so-called forecast of production of the corn or cotton crop, based upon conditions prevailing on July 1, or any other date before harvest, is merely a quantitative interpretation of the condition of the crop on such date. It means that the condition of the crop is such that the chance or probability, based upon past records, that the final outturn of production will be either larger or smaller than the figure given is equal. If conditions in the future are better than average the production may be expected to be larger than the so-called forecast; if conditions in the future are below average, the production may be expected to be less than the so-called forecast. It does not mean that future conditions are actually expected to be average. The corn crop may be above normal condition on July 1, in consequence of which a high "forecast" would be given, and then disaster by drouth or otherwise overtake the crop in August or September, resulting in a crop failure. This would not vitiate the July "forecast," as such forecast is properly understood.

An advantage of quantitative interpretations, or "forecasts" of production, over condition figures, as they are usually expressed in terms of percentage or normal is that a statement expressed in bushels, tons, etc., is more concrete than the abstract figures by percentage of normal, and therefore more easily understood by most persons; also it combines the two factors which make up total production, namely, acreage and yield per acre, whereas condition figures have reference only to yield per acre. A low condition on a large acreage may produce as much as a high condition on a small acreage, and vice versa.

In reading a crop production forecast, it should be understood that the chances are about equal that the final outturn will be either above or below the figure given, depending upon whether future conditions are better or worse than average, but not forecasting that the future condition actually will be average.

#### GENERAL CONDITIONS.

The Wisconsin Crop Prospect for 1921 declined 12.5% during the month of July. Composite condition of all crops on August 1 was 81.2% of the 10-year average (not the normal) as compared to 93.7% on July 1, and 103.9% on August 1, 1920. Without exception, all crops showed a decline during the month. The corn prospect declined 2,000,000 bushels, potatoes 11,000,000 bushels, tobacco 4,000,000 pounds. Other cultivated crop declines were relatively as large. Small grains declined 30,000,000 bushels, of which oats declined 26,000,000 bushels, and barley 2,700,000 bushels. Hay crops declined 140,000 tons.

Reports of the various stations of the Weather Bureau show mean temperatures for the month of July to have been from 4 to 9 degrees over normal, while rainfall was from 1.0 to 1.9 inches below normal. Correspondents report bad "firing" of corn in some counties and failure of potatoes to germinate due to the exceedingly hot, dry soil.

Spring grains were short of stalks and ripened too fast, with resultant shriveled berries, light yields, and low quality. Since nearly the entire acreage of these crops had been harvested on August 1, the estimate for this date is practically final for these crops.

The major hay crops had been cut by July 1, but millet, wild hay, and the second crops of clover and alfalfa declined during the month due to the drought and heat. This caused some additional decline in the total hay outturn.

**United States:**—General crop conditions in the United States have also declined since a month ago, although not to as large a degree as in Wisconsin. Practically all crops showed a decline in condition. The composite condition of all crops on August 1 was 90.3% of the average, as compared to 99.7% on July 1, and 105.3% on August 1 last year.



UNITED STATES DEPARTMENT OF AGRICULTURE  
Bureau of Markets and Crop Estimates  
H. C. TAYLOR, Chief

WISCONSIN STATE DEPARTMENT OF AGRICULTURE  
Division of Agricultural Statistics  
C. P. NORGORD, Commissioner

# WISCONSIN MONTHLY CROP AND LIVESTOCK REPORTER

JOSEPH A. BECKER, Agricultural Statistician

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## CROP SUMMARY FOR SEPTEMBER

Crop	Area in Thousands			Production in Thousands				Condition, Percent of Normal			
	1921 prelim- inary	1920	1915-19 average	Sept. 1 1921 forecast	Aug. 1 1921 forecast	1920	1915-19 average	Sept. 1, 1921	Aug. 1, 1921	Sept. 1, 1920	Sept. 1, 1910-19 average
Corn, bu. ....	Acres 1,980	Acres 1,960	Acres 1,787	82,863	81,061	86,044	59,863	93	92	82	82
Potatoes, bu. ....	311	308	300	20,682	19,826	23,264	27,276	50	51	74	78
Tobacco, lbs. ....	47.7	50.2	45.3	56,793	52,379	62,400	52,920	85	79	84	84
Oats, bu. ....	2,552	2,408	2,253	60,865	65,127	107,906	93,456	53	58	95	88
Winter wheat, bu. ....	77	91	81	1,271	1,271	2,002	1,754	-----	116.5	22.0	20.5
Spring wheat, bu. ....	150	250	240	1,782	1,796	3,159	4,402	54	57	67	83
Barley, bu. ....	487	502	596	10,397	11,089	15,930	19,162	61	66	89	85
Rye, bu. ....	430	483	438	6,450	6,450	7,728	7,564	-----	115.0	16.0	17.2
Buckwheat, bu. ....	25	27	26	356	351	424	380	77	78	80	83
Clover (alone), tons ....	517	556	339	646	646	973	593	-----	11.25	1.75	1.80
Clover and Timothy (mixed) ....	1,810	1,810	1,726	2,244	2,298	3,018	2,872	11.24	-----	1.66	1.54
Timothy (alone), tons ....	349	326	481	454	416	492	733	11.30	-----	1.51	1.55
Alfalfa, tons ....	114	97	56	303	298	263	143	12.66	-----	2.70	2.69
Other tame hay, tons ....	45	42	39	64	63	68	57	87	80	80	87
All tame hay, tons ....	2,835	2,831	2,641	3,711	3,721	4,814	4,398	11.30	-----	1.70	1.55
Wild hay, tons ....	357	357	347	407	388	459	479	11.14	-----	1.28	1.26
Cabbage, tons ....	11.3	16.1	13.7	71	60	165	114	62	56	82	83
Field beans, bu. ....	9.6	12.0	20.0	95	87	147	157	78	74	82	84
Field peas, bu. ....	50.4	56.0	59.5	620	514	1,063	873	68	58	87	84
Sugar beets, tons ....	16.0	26.7	15.8	133	115	236	150	84	72	86	88
Flax, bu. ....	8.9	9.2	6.0	95	88	101	65	74	70	87	83
Pasture (tillable) ....	1,568	1,542	1,510	-----	-----	338	298	69	55	70	81
Clover for seed, bu. ....	118	109	138	236	-----	-----	-----	80	-----	84	84
Sorghum for syrup, gals. ....	3.8	4.0	3.0	294	292	300	175	91	85	88	85
Apples, bu. ....	-----	-----	-----	2,086	1,947	3,650	3,000	45	42	74	60
Onions, bu. ....	1.0	1.2	.9	176	170	552	284	60	60	89	83
Tomatoes ....	-----	-----	-----	-----	-----	-----	-----	85	80	87	86
Grapes ....	-----	-----	-----	-----	-----	-----	-----	79	75	91	84
Cranberries, bbls. ....	1.6	1.9	1.9	27	-----	34	34	75	-----	91	85

<sup>1</sup> Yield per acre.

### GENERAL CONDITIONS.

The Wisconsin Crop Prospect showed little change during August. The composite condition of all crops on September 1 was 80.7% of the 10-year average (not the normal) as compared to 81.2% on August 1, and 104.9% on September 1, 1920. Cultivated crops generally showed increases; hay crops showed practically no change; and small grains showed further declines.

The corn prospect increased 1,800,000 bushels; potatoes, 850,000 bushels; tobacco, 4,400,000 pounds; cabbage, 11,000 tons; and sugar beets, 18,000 tons.

Production of small grains from condition at time of harvest is estimated at 81 million bushels, or 56 million bushels less than last year and 45 million bushels below the 5-year average.

A shortage of approximately a half million tons of hay confronts Wisconsin farms. Production of all classes of hay this year totaled 4,118,000 tons, compared to 4,109,000 estimated on August 1, 5,273,000 produced in 1920 and a 5-year average of 4,877,000 tons. Ordinarily, Wisconsin farmers sell several hundred thousand tons annually, but this year large quantities will need to be purchased or many animals disposed of.

Reports of the various stations of the United States Weather Bureau show mean temperature in August to have been a fraction of a degree above normal. Warm to hot days and generally cool nights characterized the month. Rainfall was below normal at some stations and double normal at others.

United States:—General crop conditions in the United States increased during August. The composite condition on September 1 was 92.9% of the average, compared to 90.3% on August 1, and 107.0% on September 1, 1920.

### CULTIVATED CROPS

CORN:—The 1921 Wisconsin corn crop is now estimated at 82,863,000 bushels, compared to 81,061,000 on August 1, 86,044,000 produced in 1920 and a 5-year average of 59,863,000 bushels. Condition on September 1 was 93%, compared to 92% on August 1, 82% a year ago and a 10-year average of 82%. In some localities, corn was blown down by heavy wind and rain storms, which reduced the yield and made harvesting difficult, but generally over the State corn has improved during the month. A large percent of silo filling is completed, and corn for grain is practically ripe.

United States:—The United States corn crop increased 150 million bushels during the month of August. Prospect on September 1 was for a crop of 3,186 million bushels, compared to 3,033 million on August 1, 3,232 million produced in 1920 and a 5-year average of 2,798 million bushels. Condition was 85.1% of normal, compared to 84.3% on August 1, 86.4% last year and a 10-year average of 75%.

POTATOES:—The Wisconsin potato crop promises from September 1 condition to equal 20,682,000 bushels, compared to 19,826,000 forecasted on August 1, 33,264,000 produced in 1920, and a 10-year average of 27,276,000 bushels. Plants which were still green at the time the dry spell was broken were revived and have made some growth. The stand was very poor, however, especially in the central counties. Setting of tubers is not prolific in any section of the State. Condition on September 1 was 50%, compared to 51% on August 1, 74% last year, and a 10-year average of 78%.

United States:—The United States potato crop prospect increased from 316 million bushels on August 1 to 323 million on September 1, compared to 431 million in 1920

and a 5-year average of 371 million bushels. Condition was 63.7%, compared to 65.8% on August 1, 84.3% a year ago and a 10-year average of 75.4%.

The Minnesota potato forecast for September 1 was 22,768,000 bushels, compared to 20,047,000 forecasted on August 1, and 26,025,000 produced last year; Michigan, 22,216,000, 18,870,000 and 35,700,000; New York 30,066,000, 30,551,000 and 46,250,000; and Pennsylvania 22,388,000, 22,043,000, and 36,455,000 bushels respectively.

**TOBACCO:**—The Wisconsin tobacco crop was especially benefited by the rains of late July and early August. Condition on September 1 was 85% of normal, compared to 79% on August 1, 84% last year, and a 10-year average of 84%. Production is now estimated at 56,763,000 pounds, compared to 52,379,000 forecasted on August 1, 62,400,000 produced in 1920, and a 5-year average of 52,920,000 pounds.

*United States:*—The United States tobacco crop is estimated at 948 million pounds, compared to 889 million forecasted from August 1 condition, 1,508 million produced last year and a 5-year average of 1,272 million pounds. Condition on September 1 was 70.5%, compared to 66.6% on August 1, 84.6% last year and a 10-year average of 78.8%.

**CABBAGE:**—The Wisconsin cabbage crop is now estimated at 71,000 tons, compared to 60,000 forecasted on August 1, 165,000 tons produced in 1920 and a 5-year average of 114,000 tons. Condition on September 1 was 62%, compared to 56% on August 1, 82% last year and a 10-year average of 83%.

*United States:*—Condition of cabbage on September 1 was 69.8%, compared to 73.5% on August 1, 88.6% last year on September 1, and a 10-year average of 79.5%.

**SUGAR BEETS:**—Estimated production of sugar beets from September 1 condition is 133,000 tons, compared to 115,000 forecasted on August 1, 236,000 produced in 1920 and a 5-year average of 150,000 tons. Condition on September 1 was 84%, compared to 72% on August 1, 86% last year and a 10-year average of 88%.

*United States:*—Condition of sugar beets on September 1 was 90.4%, compared to 89.9% on August 1, 93.0% on September 1 last year and a 10-year average of 89.2%.

**ONIONS:**—Production of onions is estimated at 176,000 bushels, compared to 170,000 forecasted on August 1, 552,000 produced in 1920 and a 5-year average of 284,000 bushels.

### SMALL GRAINS

**OATS:**—The Wisconsin oats crop prospect declined from 65,127,000 bushels on August 1 to 60,865,000 bushels at time of harvest. Much of the crop had been harvested by August 1. Threshing results showed yields lighter even than anticipated. The crop in 1920 was 107,906,000 bushels, compared to a 5-year average of 93,456,000 bushels. Condition of the crop at time of harvest was 53%, compared to 58% on August 1, 95% in 1920 and a 10-year average of 88%.

*United States:*—Production of oats in the United States is estimated at 1,090 million bushels, compared to 1,137 estimated on August 1, 1,526 million produced in 1920 and a 5-year average of 1,433 million bushels. Condition at time of harvest was 61.1%, compared to 64.5% on August 1, 88.3% last year and a 10-year average of 81.2%.

**BARLEY:**—A barley crop of 10,397,000 bushels is estimated from condition of crop at time of harvest. This compares with 11,089,000 bushels estimated on August 1, 15,930,000 produced in 1920 and a 5-year average of 19,162,000 bushels. Condition at time of harvest was 61%, compared to 66% on August 1, 89% at harvest time last year, and a 10-year average of 86%.

*United States:*—The barley crop of the United States is estimated at 167 million bushels, compared to 171 million forecasted on August 1, 202 million produced in 1920, and a 5-year average of 208 million bushels. Condition at harvest was 68.4%, compared to 71.4% on August 1, 82.5% a year ago and a 10-year average of 78.8%.

**WHEAT:**—The Wisconsin wheat crop is estimated at 3,053,000 bushels, compared to 3,067,000 forecasted on August 1, 5,161,000 produced in 1920, and a 5-year average of 6,156,000 bushels.

*United States:*—The United States wheat crop is estimated at 754 million bushels, compared to 757 million on August 1, 787 million produced last year and a 5-year average of 831 million bushels.

**RYE:**—The Wisconsin rye crop is estimated at 6,450,000 bushels, compared to 7,728,000 produced in 1920, and a 5-year average of 7,564,000 bushels. Preliminary estimate

of yield per acre is 15.0 bushels, compared to 16.0 in 1920, and a 5-year average of 17.2 bushels.

*United States:*—The United States rye crop is estimated at 64.3 million bushels, compared to 69.3 million produced in 1920 and a 5-year average of 69.2 million bushels. Average yield is estimated at 14.2 bushels, compared to 13.7 in 1920 and a 5-year average of 14.8 bushels per acre.

**BUCKWHEAT:**—The buckwheat crop of Wisconsin in 1921 will equal 356,000 bushels, compared to 351,000 estimated on August 1, 424,000 produced last year, and a 5-year average of 380,000 bushels. Condition on September 1 was 77%, compared to 78% on August 1, 80% a year ago and a 10-year average of 83%.

*United States:*—The buckwheat crop of the United States promises to be about 13.0 million bushels, compared to 13.0 million forecasted on August 1, 13.8 million produced in 1920 and a 5-year average of 15.0 million bushels.

**FLAX:**—Production of flax in Wisconsin is estimated at 95,000 bushels, compared to 88,000 forecasted on August 1, 101,000 produced in 1920, and a 5-year average of 65,000 bushels.

*United States:*—Flax production in the United States is estimated at 8.2 million bushels, compared to 8.9 million estimated on August 1, 11.0 million produced in 1920 and a 5-year average of 11.7 million bushels.

### HAY AND PASTURES

**TAME HAY:**—Production of tame hay is estimated at 3,711,000 tons, compared to 4,814,000 in 1920 and a 5-year average of 4,398,000 tons.

Clover grown alone will produce 646,000 tons as compared to 973,000 produced in 1920 and a 5-year average of 593,000 tons. Average yield of clover is estimated at 1.25 tons, compared to 1.75 last year and a 5-year average of 1.80 tons.

Timothy alone yielded 1.30 tons per acre, compared to 1.51 in 1920 and a 5-year average of 1.55 tons. Total production this year is estimated at 454,000 tons, compared to 492,000 produced in 1920 and a 5-year average of 733,000 tons.

Mixed clover and timothy averaged 1.24 tons per acre, compared to 1.66 in 1920 and a 5-year average of 1.54 tons. This is the main Wisconsin hay crop. Total production is estimated at 2,244,000 tons, compared to 3,018,000 produced in 1920 and a 5-year average of 2,872,000 tons.

Alfalfa, confined largely to southern counties, escaped the frost damage of May and produced the largest crop of this hay since its introduction into the State. Production in 1921 is estimated at 303,000 tons, compared to 263,000 in 1920 and a 5-year average of 143,000 tons. Average yield is estimated at 2.66 tons per acre, compared to 2.70 in 1920 and a 5-year average of 2.69 tons.

Other tame hay, made up of millet, peas and oats, sudan grass, and grains cut green, will yield 64,000 tons, compared to 68,000 produced in 1920 and a 5-year average of 57,000 tons. Condition of millet on September 1 was 87%, compared to 80% on August 1, 80% last year and a 10-year average of 87%.

Quality of tame hay is estimated at 90% of a high medium grade as compared to 96% in 1920 and a 10-year average of 94%.

**WILD HAY:**—The crop of wild or marsh hay in Wisconsin is estimated at 407,000 tons, compared to 459,000 produced in 1920 and a 5-year average of 479,000 tons. Average yield per acre is estimated at 1.14 tons, compared to 1.28 in 1920 and a 5-year average of 1.26 tons. Quality of wild hay is estimated at 89%, compared to 93% last year and a 6-year average of 93%.

*United States:*—The hay crop of the United States will be approximately 94.6 million tons, compared to 97.1 million estimated on August 1, 108.2 million produced in 1920 and a 5-year average of 103.4 tons.

Tame hay production is estimated at 79.8 million tons, compared to 91.2 million produced in 1920 and a 5-year average of 85.8 million tons. Average yield per acre is given at 1.39 tons, compared to 1.57 in 1920 and a 5-year average of 1.56 tons. Quality of tame hay is estimated at 89.0%, compared to 92.4% last year and a 10-year average of 91.4%.

Average yield per acre of timothy is estimated at 1.22 tons, compared to 1.39 in 1920 and 1.27 in 1919; of clover alone at 1.23 tons, compared to 1.46 in 1920 and an 8-year average of 1.26 tons; of alfalfa, 2.55 tons compared to 2.74 in 1920 and 2.61 in 1919.

The wild hay crop will total 14.8 million tons, compared to 15.5 million estimated on August 1, 17.0 million produced in 1920 and a 5-year average of 17.6 million tons.



## Condition and Yields of Wisconsin Crops, September 1, 1921

COUNTIES	Condition, Sept. 1, 1921, in Per Cent of Normal												Yield per Acre—Preliminary							
	Corn	Potatoes	Oats	Barley	Spr'g Wh't	Buck Wh't	Cl'v'r for Seed	Cabbage	Sug'r Beets	Tobacco	Apples	Pasture	Tame Hay		Timothy		Alfalfa		Wild Hay	
													1921	5-yr. Ave.	1921	3-yr. Ave.	1921	3-yr. Ave.	1921	5-yr. Ave.
Northwest District																				
District 1	99.5	48.6	46.1	56.7	51.1	81.5	73.9	69.0	73.7	79.2	57.2	65.1	1.21	1.64	1.29	1.45	2.17	2.79	1.16	1.37
Barron	101	50	40	46	60	89	70	82	62	86	57	65	1.3	1.72	1.3	1.67	2.2	2.63	.8	1.3
Bayfield	98	70	64	68	67	92	90	77	85	-----	63	68	1.5	1.66	1.0	1.50	3.0	2.56	1.0	1.22
Burnett	100	51	37	46	35	86	88	82	-----	-----	60	80	.8	1.52	.9	1.30	2.0	2.33	1.3	1.34
Chippewa	104	38	52	58	60	75	60	64	75	78	60	60	1.1	1.52	1.1	1.43	2.1	2.80	1.2	1.30
Douglas	101	48	45	62	70	-----	-----	-----	-----	-----	75	50	1.3	1.64	1.2	1.53	2.1	2.20	.9	1.44
Dunn	97	30	41	71	32	70	76	-----	-----	90	65	65	1.1	1.64	1.2	1.37	2.6	3.30	1.2	1.28
Eau Claire	96	58	54	74	65	80	65	60	-----	-----	66	62	1.1	1.48	1.2	1.47	2.1	2.80	1.2	1.22
Pierce	86	32	42	64	53	60	79	45	60	71	46	54	1.4	1.92	1.4	1.67	2.4	3.16	1.1	1.40
Polk	103	47	42	49	46	80	61	70	-----	-----	48	56	1.1	1.88	1.1	1.47	1.6	2.56	1.1	1.42
Rusk	96	62	35	53	55	83	85	80	-----	-----	72	70	1.3	1.86	1.4	1.40	2.0	2.93	1.1	1.44
St. Croix	98	40	51	62	48	83	90	60	-----	-----	34	62	1.3	1.58	1.3	1.23	2.2	2.66	1.2	1.42
Sawyer	99	58	39	47	46	90	68	80	-----	-----	70	80	1.0	1.56	1.0	1.47	2.0	2.93	1.3	1.38
Washburn	109	54	34	44	44	79	67	82	-----	-----	58	76	1.0	1.48	.9	1.30	1.6	2.50	1.1	1.38
North District																				
District 2	102.5	54.5	48.2	61.1	52.9	79.7	81.0	80.7	50.0	-----	67.4	69.1	1.23	1.79	1.13	1.51	2.0	2.59	1.19	1.31
Ashland	101	51	39	61	42	-----	80	70	-----	-----	69	70	.9	1.56	.9	1.43	2.0	2.76	1.1	1.22
Clark	101	41	43	56	38	78	85	82	-----	-----	80	60	1.5	1.94	1.4	1.57	-----	2.83	1.1	1.36
Iron	98	60	75	76	70	-----	80	90	-----	-----	72	80	1.2	1.74	1.0	1.47	-----	2.56	1.2	1.12
Lincoln	108	62	59	59	61	74	55	85	50	-----	69	69	.9	1.70	.9	1.37	2.0	2.50	1.2	1.18
Marathon	98	42	46	59	53	80	-----	85	-----	-----	58	59	1.3	1.86	1.3	1.50	-----	2.43	1.1	1.28
Oneida	101	62	40	45	54	85	70	68	-----	-----	38	70	.7	1.68	.8	1.40	-----	2.66	1.0	1.20
Priest	109	62	62	67	65	-----	80	-----	-----	-----	80	72	1.4	1.68	1.3	1.57	-----	2.46	1.2	1.34
Taylor	108	67	45	69	51	90	85	77	-----	-----	60	68	1.5	1.86	1.4	1.67	-----	2.66	1.4	1.38
Vilas	101	71	35	66	50	-----	-----	-----	-----	-----	97	-----	.7	1.82	.9	1.13	-----	2.56	1.0	1.38
Northeast District																				
District 3	96.5	53.4	43.8	48.3	44.4	76.8	78.7	48.9	76.5	-----	46.1	67.8	.88	1.61	.97	1.36	1.89	2.51	.89	1.30
Door	85	66	46	60	45	85	68	60	-----	-----	65	64	1.0	1.40	.8	1.27	-----	2.23	.9	1.14
Florence	102	46	40	32	40	80	-----	-----	-----	-----	80	80	1.1	1.58	1.0	1.23	-----	2.53	.8	1.24
Forest	101	55	45	35	55	-----	-----	-----	-----	-----	53	-----	.7	1.72	1.0	1.37	-----	3.00	.8	1.44
Langlade	96	72	48	60	50	-----	85	70	55	-----	46	58	1.1	1.84	1.2	1.70	-----	2.73	.9	1.36
Marinette	92	52	32	38	40	85	85	70	55	-----	46	58	.8	1.64	.8	1.17	1.8	2.23	.8	1.42
Oconto	97	46	47	50	36	82	81	45	86	-----	38	73	.9	1.50	1.0	1.33	2.1	2.83	.8	1.30
Shawano	98	49	44	49	55	62	83	38	55	-----	44	68	.8	1.68	.8	1.40	2.1	2.83	1.0	1.28
West District																				
District 4	92.5	41.4	58.9	60.1	55.5	74.2	76.0	62.8	67.5	83.6	39.5	55.5	1.20	1.70	1.39	1.62	2.14	2.90	1.05	1.39
Buffalo	101	48	61	61	48	75	70	60	-----	-----	63	77	1.2	1.72	1.6	1.60	2.1	2.93	1.0	1.48
Jackson	84	22	42	46	45	64	68	-----	55	83	35	32	.7	1.60	.9	1.83	1.6	2.95	.9	1.24
La Crosse	92	30	50	52	47	90	93	60	-----	90	58	40	1.4	1.80	1.3	1.53	2.0	3.20	1.1	1.48
Monroe	92	38	57	66	52	78	83	-----	82	30	49	1.2	1.74	1.4	1.57	2.2	2.66	1.2	1.28	
Pepin	90	32	67	72	63	70	75	45	-----	55	45	1.4	1.68	1.5	1.77	2.6	2.16	.8	1.34	
Trempealeau	97	58	66	69	68	86	76	90	80	88	70	65	1.4	1.60	1.5	1.50	2.8	3.06	1.1	1.42
Vernon	89	48	61	63	58	60	68	69	-----	81	25	58	1.0	1.74	1.2	1.53	1.8	2.73	.7	1.32
Central District																				
District 5	83.0	39.5	49.1	65.2	56.0	72.9	71.8	64.8	50.0	81.0	42.4	56.7	1.09	1.44	1.13	1.36	1.88	2.52	1.09	1.22
Adams	68	12	55	60	65	75	-----	-----	-----	-----	51	60	1.2	1.36	1.2	1.27	-----	2.20	1.1	1.32
Green Lake	74	44	41	62	35	72	-----	-----	-----	-----	51	50	1.1	1.62	1.0	1.53	-----	2.63	1.4	1.26
Juneau	95	45	51	68	44	76	71	65	-----	81	38	57	1.3	1.46	1.1	1.50	1.4	2.30	1.5	1.24
Portage	75	48	53	67	60	80	77	70	-----	-----	41	42	.9	1.26	.7	1.13	1.6	3.00	.8	1.16
Marquette	78	34	47	70	53	79	73	62	-----	-----	44	70	1.0	1.42	1.1	1.33	1.7	1.86	1.1	1.18
Waupaca	79	47	61	68	75	70	85	68	-----	-----	33	58	1.1	1.54	1.2	1.37	2.2	2.46	.9	1.22
Waushara	77	40	54	78	70	73	82	56	-----	-----	43	54	.8	1.36	1.1	1.27	2.5	2.76	1.0	1.18
Wood	96	27	40	53	58	71	69	62	-----	80	44	54	1.2	1.54	1.2	1.47	1.8	2.76	1.1	1.26
East District																				
District 6	89.5	53.4	55.6	63.4	54.1	72.4	75.8	64.2	79.6	75.0	46.7	66.7	1.37	1.69	1.28	1.60	2.62	2.80	1.16	1.56
Brown	93	52	55	66	57	65	65	72	79	-----	58	75	1.1	1.54	1.3	1.40	2.3	2.48	1.2	1.22
Calumet	92	52	60	64	48	85	62	75	88	-----	60	70	1.3	1.84	1.3	1.67	2.3	2.80	1.0	1.78
Dodge	87	64	62	62	49	-----	90	57	90	-----	36	85	1.7	1.80	1.5	1.67	2.8	2.73	1.1	1.54
Fond du Lac	84	38	47	55	55	85	66	59	68	75	54	68	1.4	1.74	1.4	1.57	3.0	3.02	1.2	1.58
Kewaunee	90	56	68	61	53	80	80	56	78	-----	39	80	.7	1.38	.9	1.40	2.6	2.42	1.3	1.34
Manitowoc	87	54	58	60	57	85	76	68	75	-----	52	65	1.2	1.64	1.2	1.50	2.8	2.46	.8	1.26
Outagamie	93	63	64	68	56	79	78	66	79	-----	45	49	1.3	1.68	1.1	1.47	2.7	2.90	1.4	1.42
Ozaukee	92	44	56	66	53	65	64	63	86	-----	55	81	1.6							

Average yield per acre is given at .99 tons, compared to 1.12 in 1920 and a 5-year average of 1.09 tons.

**PASTURE:**—Condition of pastures in Wisconsin has improved due to cooler weather and abundant rain. On September 1, condition was 69%, compared to 55% on August 1, 84% a year ago and a 10-year average of 84%.

**United States:**—Pastures of the United States averaged 81.6% of normal on September 1, compared to 74.3% on August 1, 86.2% last year and a 5-year average of 82.3%.

#### FRUIT CROPS AND MISCELLANEOUS

The Wisconsin apple crop increased over 100,000 bushels during August. The late varieties were particularly benefited by rainfall and lower temperatures. Production is now estimated at 2,086,000 bushels, compared to 1,947,000 estimated on August 1, 3,650,000 produced in 1920 and a 5-year average of 3,000,000 bushels. Condition on September 1 was 45%, compared to 42% on August 1, 74% last year, and a 10-year average of 60%.

The commercial crop is estimated at 125,000 barrels, compared to 117,000 forecasted on August 1, 180,000 produced in 1920 and 126,000 in 1919.

**United States:**—Production of apples in the United States will be only 107 million bushels, compared to 109 million estimated on August 1, 244 million produced in 1920 and a 5-year average of 183 million bushels. Condition on September 1 was 34.0%, compared to 34.8% on August 1, 72.4% in 1920 and a 10-year average of 55.8%.

The commercial crop is estimated at 19.0 million barrels, compared to 21.3 million forecasted on August 1, and 38.3 million produced in 1920. Approximately one-half the commercial crop this year will be produced in the three Pacific Coast States.

**CRANBERRIES:**—The Wisconsin cranberry crop is estimated at 26,700 barrels, compared to 34,000 produced in 1920 and a 5-year average of 34,000 barrels. Condition is estimated at 75%, compared to 91% last year and a 10-year average of 85%.

Acreage in bearing is reduced from 1,900 acres in 1920 to 1,600 this year. A large crop is expected on the Northern bogs and a light crop on the Central bogs.

The United States crop is estimated at 422,000 barrels, compared to 431,000 produced in 1920 and 566,000 in 1919. The New Jersey crop is estimated at 180,000 barrels, compared to 122,000 produced last year and 156,000 in 1919; the Massachusetts crop at 215,000 barrels, compared to 275,000 produced last year and 366,000 in 1919.

**CLOVER SEED:**—Acreage of clover which will be cut for seed is estimated at 118,000 acres, 30% less than last year. The stand is short and thin, but the heads are filling well. Condition is given at 80%, compared to 84% last year on September 1, and a 10-year average at 84%.

Production is estimated at 236,000 bushels, compared to 338,000 last year and a 5-year average of 298,000 bushels.

**United States:**—Production of clover seed in the United States is estimated at 1,315,000 bushels, compared to 1,760,000 produced in 1920 and a 4-year average of 1,433,000 bushels.

Area to be harvested as seed this year is estimated at 819,000 acres, compared to 966,000 in 1920 and a 4-year average of 856,000 acres.

**FIELD BEANS:**—Field beans in Wisconsin will produce a crop of approximately 95,000 bushels as compared to 147,000 produced in 1920 and a 5-year average of 157,000 bushels. Nearly all of Wisconsin beans are of the small white variety.

**FIELD PEAS:**—Production of field peas in 1921 will be approximately 620,000 bushels, compared to 514,000 estimated on August 1, 1,063,000 produced in 1920 and a 5-year average of 873,000 bushels.

**SORGHUM:**—Sorghum for syrup will produce about 294,000 gallons, compared to 300,000 produced in 1920 and a 5-year average of 175,000 gallons.

**STOCK HOGS:**—Hogs on farms that are being fitted for market are 98% as numerous as last year, or 1,849,000, compared to 1,887,000 in 1920 and 2,097,000 in 1919.

**United States:**—Hogs on feed in the United States number 55,912,000 compared to 56,534,000 in 1920 and 62,073,000 in 1919.

**WOOL:**—Production of wool in 1921 is estimated at 2,818,000 pounds, compared to 3,219,000 in 1920 and 3,310,000 in 1909.

#### THE "NORMAL" AS A BASIS OF CONDITION REPORTS

Special consideration has been given for many years to the so-called "normal" representing a condition or yield of 100 per cent, in terms of which all the crop condition estimates of this bureau are expressed. An objection to the

use of this term and what it represents, as a basis for crop reporting, arises from its apparent vagueness and the fact that the yield represented by it is different for each locality and even for each farm, thus requiring explanation in order to be understood. The principal advantage of the term "normal" is psychological in that it is based on a fundamental conception which is fairly uniform and clear in the minds of all practical farmers, from whom over 99 per cent of the crop condition reports of this bureau are received.

But little observation and experience is required to demonstrate that the average farmer thinks of his crops as "crops" and not in mathematical terms of percentages or averages, although he can readily express the estimated yield of the crop in terms of bushels, pounds, or tons. When the farmer sows the seed in spring he knows just what the field ought to yield, and if the season is favorable he expects to harvest that yield. This expected yield is a "full crop," such as he has harvested in the past in favorable seasons. It is neither a maximum possible or even a bumper crop, which occurs only at rare intervals when conditions are exceedingly favorable, nor a medium or small crop grown under one or more adverse conditions. Neither is it an average crop, which rarely occurs because of the effect on the average of extremely low or extremely high yields in exceptional seasons. It is rather the typical crop represented by the average of a series of good crops, leaving out of consideration altogether the occasional bumper crop and the more or less frequent partial crop failure. This expected yield at planting time, the full crop that the farmer has in mind when he thinks of the yield he expects to harvest, or the typical crop represented by the average of good crops only, is the "normal," or standard adopted by this bureau for expressing condition during the growing season and yield at harvest time.

The observation is sometimes made, as a criticism of the use of the normal, that a normal crop is almost never shown in the reports of the bureau. A little reflection will show that a normal yield for an entire State or the United States is not to be expected except on rare occasions. Imagine the yields of 10 different farmers in widely scattered parts of the United States; by definition of the term normal as a "full crop," or expectation of yield at planting time, an individual will not secure a normal yield every year, or even every two years. Suppose each individual secured a normal crop on the average every three years, by the law of probability the chance of all 10 farmers getting a normal crop in the same year is 1 to 30. If returns of individuals were published, many normals would be shown, but the frequency would be less in a county average, still less in a State average, and rare in a United States average.

The crop prospect is a subject of vital interest to farmers and, like the weather, it is a perennial topic of discussion during the crop season. Almost invariably farmers speak of the prospects as fine, good, fair, or poor, and they describe the crop as "full crop," "good crop," "average crop" (meaning less than a full crop but a little better than the real average), "three-fourths of a crop," or "one-half of a crop," or less frequently "75 per cent of a crop," "50 per cent of a crop," etc. In the South the cotton crop prospect is usually spoken of in terms of bales, as "three-fourths bale per acre," "one-half bale per acre," or "one-third bale per acre. Few farmers think of their crops in terms of exact mathematical averages or, in fact, know what the exact average really is, because very few of them keep accurate records or take the trouble to strike averages from them. It is equally true that farmers do not generally speak of crop conditions and crop prospects in terms of a normal, but when the farmer crop reporters are told that the normal is the same as their conception of a full crop, the crop which their farms ought to yield and are expected to yield in favorable seasons, and that this normal is represented by 100, they have no difficulty in clearly understanding what is meant by the normal or in expressing their estimates in percentages of normal.

Reports of crop condition expressed in percentage of normal may indicate in a general way the probable yield, but as they do not include the variations in acreage it would be impracticable to forecast total production accurately from condition estimates alone. Hence, to avoid errors in the interpretation of condition estimates by those who do not have the average figures before them, the bureau converts the condition estimates into quantitative estimates of yield per acre, which, applied to the estimated acreage of a given crop, indicate the probable total production.



# WISCONSIN MONTHLY CROP AND LIVESTOCK REPORTER

JOSEPH A. BECKER, Agricultural Statistician

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## CROP SUMMARY FOR OCTOBER

Crop	Area in Thousands			Production in Thousands				Yield per Acre		
	1921 prelim- inary	1920	1915-19 average	Oct. 1, 1921 forecast	Sept. 1, 1921 forecast	1920	1915-19 average	1921 prelim- inary	1920	10-year average
Corn, bu. ....	1,980	1,960	1,787	89,338	82,863	86,044	59,863	196	187	181
Potatoes, bu. ....	311	308	300	23,268	20,682	33,264	27,276	155	176	175
Tobacco, lbs. ....	47.7	50.2	45.3	61,438	56,763	62,400	52,920	192	191	186
Oats, bu. ....	2,552	2,408	2,253	63,800	60,865	107,906	93,456	25.0	44.8	38.3
Winter wheat, bu. ....	77	91	81	1,271	1,271	2,002	1,754	16.5	22.0	20.5
Spring wheat, bu. ....	150	250	240	1,800	1,782	3,159	4,402	12.0	12.6	18.5
Barley, bu. ....	487	502	596	10,714	10,397	15,930	19,162	22.0	31.7	29.8
Rye, bu. ....	430	483	438	6,450	6,450	7,728	7,564	15.0	16.0	17.2
Buckwheat, bu. ....	25	27	26	351	356	424	380	184	179	177
Clover (alone) tons ....	517	556	339	646	646	973	593	1.25	1.75	1.80
Clover and Timothy (mixed) ..	1,810	1,810	1,726	2,244	2,244	3,018	2,872	1.24	1.66	1.54
Timothy (alone), tons ....	349	326	481	454	454	492	733	1.30	1.51	1.55
Alfalfa, tons ....	114	97	56	303	303	263	143	2.66	2.70	2.69
Other tame hay, tons ....	45	42	39	64	64	68	57	1.42	1.61	1.55
All tame hay, tons ....	2,835	2,831	2,641	3,711	3,711	4,814	4,398	1.30	1.70	1.75
Wild hay, tons ....	357	357	347	407	407	459	479	1.14	1.28	1.26
Cabbage, tons ....	11.3	16.1	13.7	61	71	165	114	5.4	10.3	8.0
Field beans, bu. ....	9.6	12.0	20.0	103	95	147	157	10.7	12.3	10.7
Field peas, bu. ....	50.4	56.0	59.5	538	620	1,063	873	160	184	185
Sugar beets, tons ....	16.0	26.7	15.8	132	129	236	150	182	184	188
Flax, bu. ....	8.9	9.2	6.0	99	95	101	65	177	187	179
Pasture (tillable) ..	1,588	1,542	1,510	220	236	338	298	162	166	179
Clover for seed, bu. ....	118	169	138	220	236	338	298	169	179	179
Sorghum for syrup, gals. ....	3.8	4.0	3.0	301	294	300	175	190	192	183
Apples, bu. ....	1.0	1.2	.9	1,800	2,086	3,650	3,000	140	175	160
Onions, bu. ....	1.0	1.2	.9	91	176	552	284	91	460	217
Tomatoes ..	1.0	1.2	.9	91	176	552	284	190	199	183
Grapes ..	1.0	1.2	.9	91	176	552	284	182	195	180
Cranberries, bbls. ....	1.6	1.9	1.9	23	27	34	34	162	183	178

<sup>1</sup> Condition October 1.

## GENERAL CONDITIONS

General crop conditions in Wisconsin increased 2.2% during September. Composite condition of all crops on October 1 was 82.9% of the 10-year average (not the normal) as compared to 80.7% on September 1 and 109.6% on October 1, 1920. The main cultivated crops showed substantial gains; small grains showed yield reports in excess of that anticipated from condition at time of harvest; hay crops showed no change; and fruit crops generally declined.

The corn prospect increased 6,500,000 bushels; potatoes, 2,600,000 bushels; tobacco, 4,700,000 pounds; while cabbage declined 10,000 tons, and onions 85,000 bushels.

Preliminary estimates of yield of small grains show a production of 84,000,000 bushels as compared to 81,000,000 anticipated from condition at time of harvest. This is still 53,000,000 bushels less than in 1920 and 42,000,000 less than the 5-year average.

No new estimates of the hay crops were made this month, so the prospect remains unchanged—at a half million ton shortage.

Reports of the various stations of the United States Weather Bureau show the very unusual phenomena of a September without frost. Mean temperatures averaged from 2 to 6 degrees above normal during the month. Rainfall was unusually abundant in Southern Wisconsin, and about average elsewhere in the State.

*United States:*—General crop conditions for the country as a whole declined slightly during September. Composite condition of all crops on October 1 was 91.1% of the average as compared to 92.9% on September 1, and 106.9% on October 1, 1920. The corn prospect showed a slight decline; potatoes increased 22,000,000 bushels; small grains showed a slight decline; hay crops were not estimated; fruit crops showed a slight increase; while cotton made a marked decrease.

## CULTIVATED CROPS

**CORN:**—The 1921 corn crop in Wisconsin has established a new record. The estimated production, based upon October 1 condition, is 89,338,000 bushels as compared to 82,863,000 estimated on September 1, 86,044,000 produced in 1920, and a 5-year average of 59,863,000 bushels. Entire freedom from frost during September insured ripening of the crop to the northern limits of the State. Ample rainfall and above-seasonal temperatures increased the size and weight of the ear. Condition on October 1 was 96% of normal, compared to 93% on September 1, 87% in 1920, and a 10-year average of 81%.

Because of the heavy growth of stalk, acreage needed for silo filling was less than in 1920. Average yield per acre of silage is estimated at 9.0 tons per acre, compared to 7.8 in 1920 and a 5-year average of 7.89 tons.

*United States:*—The United States corn crop decreased 23,000,000 bushels during the month. The prospect on October 1 was 3,163 million bushels, compared to 3,186 million on September 1, 3,232 million produced in 1920 and a 5-year average of 2,798 million bushels. Condition on October 1 was 84.8%, compared to 85.1% on September 1, 89.1% on October 1, 1920, and a 10-year average of 75.7%.

**POTATOES:**—Favored by above season temperatures, frequent rains and entire freedom from killing frost, the Wisconsin potato crop showed a substantial increase of 2,580,000 bushels during the month of September. Vines remained green and growth continued, especially in the Central District, throughout the month. Condition on October 1 was 55% of normal, compared to 50% on September 1, 76% on October 1, 1920, and a 10-year average of 75%. Production is estimated at 23,263,000 bushels, compared to 20,682,000 estimated on September 1, 33,264,000 produced in 1920, and a 5-year average of 27,276,000 bushels.

*United States:*—The potato crop of the United States made a substantial increase during October. About one-half

of the deficit anticipated from September 1 condition was made during the month. Production from October 1 condition is estimated at 346 million bushels, compared to 323 million forecasted on September 1, 431 million produced in 1920 and a 5-year average of 371 million bushels. Condition on October 1 was 66.5%, compared to 63.7% on September 1, 82.7% a year ago and a 10-year average of 73.4%.

**TOBACCO:**—Wisconsin tobacco increased 4,700,000 pounds in September. The late planted crop began to grow following the rains of the closing days of August and produced a heavy yield. The prospective crop is estimated at 61,438,000 pounds as compared to 56,763,000 forecasted on September 1, 62,400,000 produced in 1920 and a 5-year average of 52,920,000 pounds. Condition on October 1 was 92%, compared to 85% on September 1, 91% a year ago, and a 10-year average of 86%.

Early planted tobacco went into the sheds unusually early and in excellent condition. Harvest of the late planted was hindered by frequent rains. Some pole rot developed during the muggy weather of the last week of September.

**United States:**—The United States tobacco crop is now estimated at 992 million pounds, compared to 948 million on September 1, 1,508 million produced in 1920 and a 5-year average of 1,272 million pounds. Condition on October 1 was 75.6%, compared to 70.5% on September 1, 83.3% a year ago, and a 10-year average of 82%.

**CABBAGE:**—The Wisconsin cabbage crop did not respond to the generous rains of September as much as was anticipated. Blackleg has also caused some loss. Production is estimated at 61,000 tons, compared to 71,000 forecasted on September 1, 166,000 produced in 1920, and a 5-year average of 114,000 tons.

The preliminary estimate of yield per acre is 5.4 tons, compared to 10.3 tons produced in 1920 and a 9-year average of 8.0 tons.

**United States:**—Preliminary estimate of cabbage yield in the United States on October 1 is estimated at 7.4 tons per acre, compared to 9.2 tons in 1920 and a 9-year average of 5.5 tons.

**SUGAR BEETS:**—Beets for sugar made only a slight increase during September. Condition is estimated at 82%, compared to 81% on September 1, 84% last year and a 10-year average of 88%. Production is estimated at 132,000 tons, compared to 129,000 forecasted a month ago, 236,000 produced in 1920 and a 5-year average of 150,000 tons.

**United States:**—The sugar beet crop of the country is estimated at 7,916,000 tons, compared to 7,985,000 forecasted on September 1, and 8,546,000 produced last year.

**ONIONS:**—Production of onions is estimated at 91,000 bushels, compared to 176,000 forecasted last month, 552,000 produced in 1920 and a 5-year average of 284,000 bushels. Preliminary estimate of average yield per acre is 91 bushels, compared to 460 bushels in 1920, and a 9-year average of 217 bushels.

**United States:**—Preliminary estimate of onion yield is 178.9 bushels per acre, compared to 235.5 in 1920 and a 9-year average of 187.7 bushels.

#### SMALL GRAINS

**OATS:**—Oats is threshing out slightly in excess of the yield anticipated from condition at time of harvest. Preliminary estimate of average yield per acre is 25.0 bushels, compared to 44.8 bushels in 1920 and a 10-year average of 38.3 bushels. Production is estimated at 63,800,000 bushels, compared to 60,865,000 forecasted on September 1, 107,906,000 produced in 1920 and a 5-year average of 93,456,000 bushels. Quality of grain is estimated at 74.6%, compared to 93.3% last year and a 10-year average of 89.4%.

**United States:**—The United States oats crop is only two-thirds of last year's crop. Preliminary estimate of yield per acre is 24.0 bushels, compared to 35.2 in 1920 and a 10-year average of 32.4 bushels. Production is estimated at 1,079 million bushels, compared to 1,090 million forecasted on September 1, 1,526 million produced in 1920 and a 5-year average of 1,433 million bushels.

Quality of the grain is low. Oats weigh out light to the measured bushel and has a high per cent of hull. Quality is 62% of a high medium grade, compared to 88% last year and a 10-year average of 76%.

**BARLEY:**—Barley also threshed out slightly heavier than anticipated from condition at time of harvest. Preliminary estimated yield per acre is 22.0 bushels, compared to 31.7 in 1920 and a 10-year average of 29.8 bushels. Production is now estimated at 10,714,000 bushels, compared to 10,397,000 forecasted from condition at time of harvest, 15,930,000 produced in 1920 and a 5-year average of 19,162,000 bushels. The grain is shriveled and light in weight. Quality is estimated at 73%, compared to 91% in 1920 and a 10-year average of 88%.

**United States:**—The United States crop of barley is estimated at 163 million bushels, compared to 167 million forecasted from condition at time of harvest, 202 million produced in 1920, and a 5-year average of 208 million bushels. Preliminary yield estimate is 21.2 bushels per acre, compared to 25.0 in 1920 and a 10-year average of 25.1 bushels. Quality is estimated at 82.5%, compared to 88.2% in 1920 and a 10-year average of 87.4%.

**WHEAT:**—The Wisconsin wheat crop is now estimated at 3,071,000 bushels, compared to 3,053,000 estimated a month ago, 5,161,000 produced in 1920 and a 5-year average of 6,156,000 bushels.

Preliminary estimate of spring wheat yield per acre is 12.0 bushels, compared to 12.6 in 1920 and a 10-year average of 18.5 bushels. Quality is estimated at 65%, compared to 66% in 1920 and a 10-year average of 86%.

**United States:**—The United States wheat crop is estimated at 741 million bushels, compared to 754 million forecasted a month ago, 787 million produced in 1920 and a 5-year average of 831 million bushels.

Preliminary spring wheat yield per acre is 10.9 bushels, compared to 10.8 in 1920 and a 10-year average of 12.7 bushels. Quality is estimated at 82.2%, compared to 80.4% in 1920 and a 5-year average of 85.7%.

**BUCKWHEAT:**—Buckwheat made a substantial increase during September. Indicated production is 426,000 bushels, compared to 356,000 forecasted a month ago, 424,000 produced in 1920 and a 5-year average of 380,000 bushels. Condition on October 1 was 84%, compared to 77% on September 1, 79% a year ago, and a 10-year average of 77%.

**United States:**—The buckwheat crop of the country is estimated at 14.3 million bushels, compared to 13.0 million forecasted last month, 13.8 million produced in 1920 and a 5-year average of 15.0 million bushels.

**FLAX:**—The Wisconsin crop of flax is estimated at 99,000 bushels, compared to 95,000 forecasted on September 1, 101,000 produced last year and a 5-year average of 65,000 bushels.

**United States:**—Flax production in the United States is estimated at 8.9 million bushels, compared to 8.2 million last month, 11.0 million produced in 1920 and a 5-year average of 11.7 million bushels.

Estimates of winter wheat and rye remain the same as a month ago.

#### HAY AND PASTURES

**PASTURES:**—Condition of pastures on October 1 was 82%, compared to 69% a month ago, 66% last year and a 5-year average of 79%.

**United States:**—Pastures in the United States on October 1 averaged 84.8% of a normal condition, compared to 81.6% on September 1, 86.2% a year ago, and a 5-year average of 81.5%.

Estimates of hay production remain the same as a month ago.

#### FRUIT CROPS AND MISCELLANEOUS

**APPLES:**—The Wisconsin apple crop suffered from too wet soil conditions during September. A considerable quantity of fruit was spoiled by bursting due to excessive moisture. The crop is estimated at 1,800,000 bushels, compared to 2,086,000 forecasted on September 1, 3,650,000 produced in 1920 and a 5-year average of 3,000,000 bushels. Condition on September 1 was 40% of normal, compared to 45% on September 1, 75% a year ago and a 10-year average of 60%.

The commercial crop is estimated at 108,000 barrels, compared to 125,000 forecasted on September 1, 180,000 produced in 1920 and 126,000 barrels in 1919.

**United States:**—Production of apples in the United States is estimated at 110 million bushels, compared to 109 million estimated on September 1, 244 million produced in 1920 and a 5-year average of 183 million bushels. Condition on October 1 was 35.0%, compared to 34.0% a month ago, 74.7% on October 1, 1920, and a 10-year average of 56.7%.

The commercial crop is estimated at 19.8 million barrels, compared to 19.0 million forecasted on September 1, and 38.3 million barrels produced in 1920.

**CRANBERRIES:**—The Wisconsin cranberry crop is estimated at 23,100 barrels, compared to 26,700 a month ago, 34,000 produced in 1920 and a 5-year average of 34,000 barrels. Production in the northern bogs this year will be larger; in the central bogs much below average. Harvest was completed several weeks before the usual time.

Condition at time of harvest was 62%, compared to 75% on September 1, 85% last year and a 10-year average of 78%.



## Condition and Yields of Wisconsin Crops, October 1, 1921

COUNTIES	Condition, Oct. 1, 1921, in Per Cent of Normal								Yield per Acre—Preliminary									
									Corn for Silage		Oats		Barley		Spring Wheat		Cabbage	
	Corn	Pota- toes	Buck Wh't	Cl'v'r Seed	Sug'r Beets	To- bacco	Ap- ples	Pas- ture	1921	5-yr. Ave.	1921	5-yr. Ave.	1921	5-yr. Ave.	1921	5-yr. Ave.	1921	5-yr. Ave.
Northwestern District	101.0	48.9	87.9	68.3	70.9	85.0	59.7	70.9	9.12	7.77	20.8	41.6	19.1	31.2	10.4	18.8	4.50	7.56
Barron	104	48	90	58	72	92	70	70	10.3	7.68	18	44.6	15	31.6	9	20.8	4.3	8.38
Bayfield	101	59	95	90			82	84	10.2	6.96	28	41.4	21	30.4	17	19.6		7.94
Burnett	105	60	92	59			50	66	8.2	7.06	15	39.4	17	28.6	7	16.6		6.42
Chippewa	104	40	88	72		80	37	71	10.6	7.06	20	40.0	19	29.6	9	17.4	4.5	7.96
Douglas	100	55					88	59	10.0	6.80	19	38.0	18	27.4	12	19.2		6.82
Dunn	93	34	81	49		87	56	76	10.1	8.24	20	39.2	20	33.2	8	20.4		7.42
Eau Claire	95	55	83	60			56	66	7.5	7.80	18	39.2	18	31.0	10	18.0	5.0	7.70
Pierce	93	45		85	78	82	34	68	8.1	7.28	27	42.6	27	29.4	10	20.2	4.5	7.28
Polk	101	42			62		62	57	9.5	7.92	18	45.0	17	33.8	10	18.0	4.5	7.18
Rusk	99	55	82	78			50	74	10.1	7.80	21	42.8	23	33.0	11	18.0		7.84
St. Croix	100	41		82			55	87	7.5	7.36	23	42.2	20	31.2	11	17.8	4.5	8.66
Sawyer	112	55	85	64			65	84	7.5	7.86	18	40.8	17	33.0	9	16.8		6.90
Washburn	107	52	87				52	68	8.0	7.82	19	40.0	15	29.4	9	16.6		6.62
Northern District	104.0	58.7	90.5	7.60	8.50		67.9	80.5	10.4	7.33	19.9	40.4	20.5	30.2	12.3	17.8	6.0	7.53
Ashland	97	40		75			65	76	8.8	7.10	16	36.8	21	30.2	9	16.2		7.74
Clark	103	49	81				60	69	11.0	7.30	22	43.4	22	31.4	12	19.2	6.0	7.76
Iron	101	60					85		9.0	7.40	25	38.2	20	30.8	12	17.8		6.86
Lincoln	108	56	88	80	85		65	85	10.6	7.08	20	37.2	21	28.2	13	18.6		8.16
Marathon	101	62	95		85		73	76	10.2	7.18	19	40.0	18	31.8	13	17.6		7.38
Oneida	107	65	92	65			80	80	8.2	7.32	19	39.6	15	26.6	9	18.2		6.56
Price	105	73	95				82	75	9.0	7.40	19	37.6	23	26.6	9	17.4		6.66
Taylor	110	58	95				72	84	11.5	7.72	21	40.4	19	29.2	9	17.4		7.32
Vilas	101	65	95				98		8.8	7.04	16	38.8	18	30.2	9	15.8		6.06
Northeastern District	101.0	61.4	88.5	63.0	84.6		45.0	80.7	8.41	8.65	20.1	37.4	16.0	28.4	10.9	17.1		7.94
Door	91	70	90	64	85		70	89	7.2	7.52	21	34.2	18	26.2	10	15.4		8.14
Florence	104	56	85				85		9.6	7.26	13	33.0	12	30.8		16.8		6.84
Forest	98	68					75		9.6	7.20	16	36.8	13	31.2		17.2		6.50
Langlade	100	73					35	78	9.5	8.48	24	40.6	18	30.2		18.0		6.60
Marquette	97	71	92	35	72		30	81	9.2	8.58	20	39.8	14	28.2	14	17.0		8.70
Oconto	98	56	83	62	86		52	86	7.9	9.26	18	38.0	16	28.0	19	17.8		9.76
Shawano	104	61	90	80	90		36	72	7.8	8.50	22	39.0	17	29.6	11	17.4		6.90
Western District	91.6	50.0	80.8	74.3		91.5	37.1	72.2	10.3	8.43	27.1	41.3	24.5	32.5	11.7	20.4	6.0	7.79
Buffalo	99	40	80	71		92	32	65	11.2	7.62	23	39.4	20	31.0	11	21.2		6.40
Jackson	84	38	88	58	88		24	68	7.5	7.72	20	39.8	20	31.6	9	19.2		7.56
La Crosse	98	52	90	90	98		42	80	12.0	9.60	29	44.6	24	33.2	12	20.8	6.0	8.7
Monroe	94	54	80	84	88		44	74	10.5	8.62	28	40.2	25	32.2	13	19.2		7.8
Papin	95	42					42	75	9.8	8.24	28	38.0	24	30.6	12	20.6		7.92
Trempealeau	100	54	76	78		94	50	65	10.1	9.40	25	40.2	25	32.2	11	20.2		7.2
Vernon	91	62	65	57	86		28	78	7.2	8.16	29	41.8	26	33.6	12	19.8		6.96
Central District	87.4	45.6	82.0	50.8	70.9	80.0	41.2	64.3	7.34	7.33	20.6	34.3	22.0	30.5	12.1	16.8	5.20	8.86
Adams	82	38		60		20	58		6.5	6.36	16	29.4	20	30.2	10	14.6		8.70
Green Lake	76	55		54		40	59		8.0	7.21	23	37.2	23	31.0	9	18.2		8.0
Juneau	97	48	86	62	60	80	26	65	7.8	7.14	24	36.0	25	29.2	12	18.0	4.0	8.14
Portage	78	54	78	56	72		41	55	7.1	7.08	18	30.6	16	28.4	8	14.8		7.34
Marquette	86	54	88	65		42	80		6.7	6.46	23	31.6	18	28.6	12	15.8		8.84
Waupaca	89	48	90	52	85		33	64	8.6	8.14	25	38.2	23	29.8	10	17.8	8.0	8.62
Waushara	83	43	83	59		40	71		5.7	7.08	17	30.2	24	28.4	12	13.8		8.50
Wood	100	35	70	64		52	61		9.1	7.56	21	37.2	20	29.4	13	17.0	3.5	9.62
Eastern District	93.9	64.1	77.7	69.8	81.7		42.5	82.7	8.86	8.45	30.1	43.5	23.1	31.2	12.0	20.5	5.10	8.35
Brown	96	60		46	82		30	70	10.2	8.64	26	38.2	24	30.6	10	18.8	5.5	10.62
Calumet	92	52		75	79		30	72	8.5	8.00	25	41.6	21	29.4	10	19.4		7.78
Dodge	91	72	68	82	74		32	95	9.2	8.52	36	48.2	25	32.4	14	22.2	8.0	8.36
Fond du Lac	87	59	78	75	78		40	86	9.0	9.34	30	44.4	21	30.8	13	20.4	4.5	8.4
Kewaunee	94	57		88	80		43	95	7.6	7.68	22	36.2	18	28.0	10	16.6		8.86
Manitowoc	92	60	85	69	78		45	78	8.7	9.68	27	41.0	20	30.4	9	18.8		8.88
Outagamie	101	63	77	68	83		44	79	9.6	8.10	31	39.6	23	31.0	14	21.0	5.0	8.7
Ozaukee	96	73	72	70	89		51	96	10.7	8.20	35	44.2	26	31.4	12	21.4		8.3
Sheboygan	103	64	81	61	90		48	75	10.8	7.80	29	48.0	24	32.8	13	21.0		8.1
Washington	87	71		59	78		46	94	7.2	7.84	30	47.4	26	32.6	11	21.8		9.62
Winnebago	95	54	76	64	78		39	60	9.0	9.12	20	42.4	22	30.2	11	21.4	4.0	8.4
Southwestern District	93.1	61.4	91.1	61.1		81.6	34.5	91.7	8.93	7.74	24.2	43.1	21.3	33.6	12.2	19.4		7.63
Crawford	88	54	87	59		79	10	84	8.0	7.76	22	38.0	19	31.4	10	17.2		8.34
Grant	96	68	94	63		82	38	93	10.3	7.86	23	43.2	21	33.4	14	19.0		6.88
Lafayette	96	74		60		40	84		8.0	7.22	24	44.6	22	33.2	10	20.2		7.62
Iowa	92	55	88	58		45	96		10.2	7.98	26	45.8	24	37.0	12	21.8		7.78
Richland	92	58	97			85	38	94	9.0	8.54	26	43.4	20	33.0	12	20.4		7.56
Southern District	94.0	59.0	80.6	77.7	94.2	93.1	33.0	92.3	9.20	8.10	23.5	42.4	26.2	33.7	11.2	20.1	6.20	7.96
Columbia	96	45	83	74	96	100	37	84	8.5	8.72	22	41.0	23	33.4	9	18.0	5.0	7.58
Dane	94	67	88	79	97	89	46	88	10.4	8.36	21							

**United States:**—The United States crop is estimated at 378,000 barrels, compared to 422,000 barrels on September 1, 431,000 produced in 1920 and 556,000 in 1919. The New Jersey crop is estimated at 180,000 barrels, compared to 122,000 produced last year and 156,000 in 1919; the Massachusetts crop at 175,000 barrels compared to 215,000 forecasted last month, 275,000 barrels produced last year and 366,000 in 1919.

**CLOVER SEED:**—Estimated production of clover seed is 16,000 bushels less than a month ago. A considerable acreage which was still in the swath or bundle in the field has deteriorated from excessive rain. Yield of red clover will be below average, while alsike and white will be well up to average. Condition on October 1 was 69%, compared to 80% on September 1, 79% last year and a 7-year average of 79%. Production is estimated at 220,000 bushels, compared to 236,000 forecasted a month ago, 338,000 produced in 1920 and a 5-year average of 298,000 bushels.

**United States:**—Condition of clover seed in the United States on October 1 was 73.4%, compared to 80.6% last month, 83.3% a year ago and a 7-year average of 71.5%.

**FIELD BEANS:**—Production of field beans in Wisconsin is estimated at 103,000 bushels, compared to 95,000 estimated a month ago, 147,000 produced in 1920 and a 5-year average of 157,000 bushels. Preliminary yield estimate is 10.7 bushels per acre, compared to 12.3 bushels in 1920 and a 10-year average of 10.7.

**FIELD PEAS:**—Production of field peas is now estimated at 538,000 bushels, compared to 620,000 forecasted a month ago, 1,063,000 bushels produced in 1920 and a 5-year average of 873,000 bushels.

**SORGHUM:**—Sorghum for syrup is estimated at 301,000 gallons, compared to 300,000 produced last year and a 5-year average of 175,000 gallons.

## COMMERCIAL POTATOES

Wisconsin's most important cash crop is the potato. Every year from 15,000 to 25,000 carloads are shipped from surplus producing parts of the State to the cities of Southern Wisconsin and to the consuming centers of the Mississippi Valley. Expressed in bushels (taking an average carlot at 700 bushels), the commercial shipments of Wisconsin potatoes equal annually 10,500,000 to 17,500,000 bushels.

During the past three years, estimates of commercial potato production expressed in carlots have been made by this Service. These estimates are made each month from July 1 to November 1. The prospective production is forecasted in carlots. This reduces the crop to terms with which growers, dealers, and wholesalers are most familiar. A corps of 500 special reporters supply the data for these reports.

The Wisconsin commercial potato crop on October 1, 1921, is estimated at 15,600 carlots as compared with 14,800 estimated on September 1, 26,000 cars produced in 1920, 21,800 in 1919 and 25,200 in 1918.

Condition in the commercial sections, expressed in percent of normal yield per acre, on October 1 was 49.0%, compared to 45.6% on September 1, and 73.0% in 1920. The exceptionally late fall, with no killing frosts up to October 1, and ample rains during the past month, have materially increased the crop in a number of Districts.

It is estimated that 77.2% of the crop was still unharvested on October 1, compared to 82.0% last year and 73.0% in 1919.

Except in the Northeastern District, the movement to market has not assumed large proportions. Prices paid to producers average \$1.60 per cwt., as compared to \$1.23 a year ago and \$1.75 in 1919.

A summary by Districts follows:

	Carlot Shipments			Prospective Yield Percent of Normal			Percent remaining unharvested Oct. 1		Price per cwt. paid producers about Oct. 1 Cents	
	Forecast		1920 crop	Oct. 1, 1921	Sept. 1, 1921	Oct. 1, 1920	1921	1920	1921	1920
	Oct. 1, 1921	Sept. 1, 1920								
Northern	1,190	1,190	1,800	57	57	74	62	64	180	135
Northeastern	1,850	1,760	2,520	61	58	60	77	83	165	130
Barron-Eau Claire	4,840	4,580	6,580	50	47	65	65	75	149	115
Clark-Marathon	1,250	1,250	1,950	48	48	69	50	72	170	140
Jackson-Monroe	190	190	320	40	40	70	70	72	190	180
Waupaca-Portage	4,750	4,460	9,570	46	43	76	95	80	155	118
Door-Brown	80	90	110	62	67	82	80	87	175	124
Juneau-Columbia	1,080	970	2,590	38	34	76	90	91	170	122
Fond du Lac-Washington	370	310	560	60	50	96	85	89	200	155
STATE	15,600	14,800	26,000	49.0	45.6	73.0	77.2	82.0	160	123

<sup>1</sup> Of these, 5,600 cars were never marketed.

Districts are as follows:

Northern:—Ashland, Bayfield, Douglas, Iron, Oneida, Price, Sawyer, Vilas, Washburn.

Northeastern:—Florence, Forest, Langlade, Marinette, Oconto, Shawano.

Barron-Eau Claire:—Barron, Burnett, Chippewa, Dunn, Eau Claire, Pierce, Polk, Rusk, St. Croix.

Clark-Marathon:—Clark, Lincoln, Marathon, Taylor, Wood.

Jackson-Monroe:—Buffalo, Jackson, La Crosse, Monroe, Pepin, Trempealeau, Vernon.

Portage-Waupaca:—Outagamie, Portage, Waupaca, Wausau.

Door-Brown:—Brown, Door, Kewaunee, Manitowoc.

Juneau-Columbia:—Adams, Columbia, Green Lake, Juneau, Marquette, Sauk.

Fond du Lac-Washington:—Dodge, Fond du Lac, Washington, Waukesha, Winnebago.

## VALUE OF CROP REPORTS

The prices farmers receive in relation to their cost of production determine whether or not the business of farming is profitable. Prices which farmers receive are determined by the law of supply and demand, i. e., relation of supply to demand. The demand for farm products, generally speaking, is practically constant, tending to increase with growth of population. The supply is therefore the

major price determining factor. Official State and Federal crop reports containing dependable information with respect to the essential facts of production and supply, present and prospective, are necessary because:

1. They are dependable, i. e., more complete, accurate, and comprehensive than can be compiled by any private agency.

2. They are disinterested and unbiased. Officials are prohibited by law from speculating in farm products.

3. They protect producers and consumers by tending to prevent the issuance of false and misleading reports by speculators or other biased persons.

4. They tend to reduce or prevent speculation in farm products by making dependable information available to all classes at once. Speculation thrives on uncertainty and lack of information on the part of the public; when the same information is available to all alike, there is less room for speculation.

5. They reduce the risk involved in buying and holding farm products because of the increased certainty with respect to the supply, thereby enabling buyers to operate on smaller margins.

6. They enable boards of trade and exchanges, which deal in farm products, to register prices more nearly in accordance with the facts of production, supply and demand, and less in accordance with the interested maneuvers of speculators, thus tending to equalize and stabilize prices.



# WISCONSIN MONTHLY CROP AND LIVESTOCK REPORTER

JOSEPH A. BECKER, Agricultural Statistician

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## CROP SUMMARY FOR NOVEMBER

Crop	Area in Thousands			Production in Thousands				Yield per Acre		
	1921 prelim- inary	1920	1915-19 average	Nov. 1 1921 estimate	Oct. 1 1921 estimate	1920	1915-19 average	1921 prelim- inary	1920	10-year average
Corn, bu.....	1,980	1,960	1,787	91,080	89,338	86,044	59,863	46.0	43.9	36.5
Potatoes, bu.....	311	308	300	21,459	23,263	33,264	27,276	69	94	103
Tobacco, lbs.....	47.7	50.2	45.3	62,487	61,438	62,400	52,920	1,310	1,248	1,192
Oats, bu.....	2,552	2,408	2,253	63,800	63,800	107,906	93,456	25.0	44.8	38.3
Winter wheat, bu.....	77	91	81	1,271	1,271	2,002	1,754	16.5	22.0	20.5
Spring wheat, bu.....	150	250	240	1,800	1,800	3,159	4,402	12.0	12.6	18.5
Barley, bu.....	487	502	596	10,714	10,714	15,930	19,162	22.0	31.7	29.8
Rye, bu.....	430	483	438	6,450	6,450	7,728	7,564	15.0	16.0	17.2
Buckwheat, bu.....	25	27	26	390	351	424	380	15.6	16.0	15.4
Clover, (alone) tons.....	517	556	339	646	646	973	593	1.25	1.75	1.80
Clover and timothy, (mixed).....	1,810	1,810	1,726	2,244	2,244	3,018	2,872	1.24	1.66	1.54
Timothy, (alone), tons.....	349	326	481	454	454	492	733	1.30	1.51	1.55
Alfalfa, tons.....	114	97	56	303	303	263	143	2.66	2.70	2.69
Other tame hay, tons.....	45	42	39	64	64	68	57	1.42	1.61	1.55
All tame hay, tons.....	2,835	2,831	2,641	3,711	3,711	4,814	4,398	1.30	1.70	1.55
Wild hay, tons.....	357	357	347	407	407	459	479	1.14	1.28	1.26
Cabbage, tons.....	11.3	16.1	13.7	61	61	165	114	5.4	10.3	8.0
Field beans, bu.....	9.6	12.0	20.0	103	103	147	157	10.7	12.3	10.7
Field peas, bu.....	50.4	56.0	59.5	665	538	1,063	873	13.2	19.0	15.1
Sugar beets, tons.....	16.0	26.7	15.8	137	132	236	150	186	180	189
Flax, bu.....	8.9	9.2	6.0	93	99	101	65	10.5	11.6	12.8
Pasture (tillable).....	1,588	1,542	1,510	201	220	338	298	1.7	2.0	2.3
Clover for seed, bu.....	118	169	138	201	220	338	298	1.7	2.0	2.3
Sorghum for syrup, gals.....	3.8	4.0	3.0	266	301	300	175	70	75	262
Apples, bu.....	1.0	1.2	.9	1,800	1,800	3,650	3,000	240	278	217
Onions, bu.....	1.0	1.2	.9	91	91	562	284	91	460	217
Grapes.....	1.0	1.2	.9	91	91	562	284	274	290	279
Cranberries, bbls.....	1.6	1.9	1.9	23	23	34	34	14.4	17.9	17.9

<sup>1</sup>Condition November 1. <sup>2</sup>Total production, per cent of full crop.

## GENERAL CONDITIONS

The combined average yield of all Wisconsin crops in 1921 is 89.4% of the 10-year average (not the normal), as compared with 113.9% in 1920. On October 1 the combined condition of all crops was 82.9% of the average, compared to 109.6% on October 1, 1920. Corn, tobacco, and sugar beets made substantial increases, while potatoes declined.

No estimates of small grains and hay crops are made on November 1.

The corn crop during October increased 1,800,000 bushels; tobacco increased 1,000,000 pounds and sugar beets increased 5,000 tons; while potatoes decreased 1,800,000 bushels and cloverseed decreased 19,000 bushels.

Crops in the field generally are in good to excellent condition. Winter wheat and rye have made a wonderful growth this fall, and are entering the winter with nearly perfect stands. Meadows and new seedlings of clover have, for the most part, recovered from the dry, hot summer and are in good condition for wintering.

The small grain and hay estimates remain unchanged. Production of all small grains is estimated at 84,000,000 bushels, which is 53,000,000 bushels less than in 1920 and 42,000,000 less than the 5-year average. Wisconsin hay crops totaled 4,100,000 tons, 1,100,000 tons below 1920, 700,000 tons below the 5-year average, and nearly a half million tons below requirements.

*United States:*—Combined average yields of all crops in the United States are 91.7% of the 10-year average. On October 1 the combined condition of all crops was 91.1% of the average as compared to 106.9% on October 1, 1920.

The 1921 corn crop, next to last year's crop, is the largest ever produced. The potato crop falls short of last year's crop by 72,000,000 bushels, 15,000,000 short of the 5-year average and about 25,000,000 short of full consumption requirements.

Small grain production is 550,000,000 bushels short of the 1920 crop and 500,000,000 short of the 5-year average.

The United States hay crop is 14,000,000 tons short of 1920 crop and 9,000,000 tons short of the 5-year average.

The apple crop is less than one-half of last year's crop and 80,000,000 bushels short of the 5-year average.

## CULTIVATED CROPS

**CORN:**—The 1921 corn crop in Wisconsin is the largest ever produced. Production is estimated at 91,080,000 bushels, as compared to 89,338,000 forecasted on October 1, 86,044,000 produced in 1920 and a 5-year average of 59,863,000 bushels. The unusually late fall was ideal for the full development of the crop. Average yield is estimated at 46.0 bushels per acre as compared with 43.9 in 1920 and a 10-year average of 36.5 bushels.

It is estimated that 891,000 acres were cut for silage as compared to 959,000 in 1920 and 798,000 in 1919. Because of the unusually heavy growth of stalk and leaves, a smaller acreage than last year was needed to fill the silos of the state. Production of silage is estimated at 8,019,000 tons, compared to 7,526,000 in 1920 and 7,446,000 tons in 1919. Average yield of silage as estimated last month was 9.0 tons per acre, compared to 7.8 in 1920 and a 5-year average of 7.89 tons.

Quality of corn for grain was lessened somewhat by the rather general ear worm injury. Quality is estimated at 85% merchantable, compared to 91% last year and a 10-year average of 79%.

Stocks of ear corn of last year's crop on farms on November 1 are estimated at 3,012,000 bushels (3.5% of the crop) as compared to 2,342,000 bushels a year ago (2.7% of the 1919 crop), and a 5-year average of 1,048,000 bushels (1.86% of the five previous crops).

The unusually favorable corn weather in 1921 is shown by the report that 99% of the crop matured without frost damage as compared with 93% in 1920, 97% in 1919, 70% in 1918 and 20% in 1917.

**United States:**—The United States corn crop is the second largest ever produced. Production is estimated at 3,152 million bushels, compared to 3,163 million forecasted on October 1, 3,232 million produced in 1920 and a 5-year average of 2,798 million bushels. Average yield per acre is estimated at 28.9 bushels per acre, compared to 30.9 in 1920 and a 10-year average of 26.4 bushels.

It is estimated that 84.0% of the corn crop is of marketable quality, compared to 89.6% last year and a 10-year average of 83.2%.

Stocks on farms total 281 million bushels (8.7% of last year's crop), as compared to 142 million a year ago (4.9% of the 1919 crop), and a 5-year average of 81 million bushels (2.95% of the previous five crops.)

**POTATOES:**—The Wisconsin potato crop estimate declined from 23,263,000 bushels on October 1 to 21,459,000 bushels on November 1. This compares with a production in 1920 of 33,264,000 bushels, and a 5-year average of 27,276,000 bushels. In the northern counties the outturn of the crop was larger than anticipated, while in the central counties the yield fell far below expectations. Yield per acre is estimated to be 69 bushels, compared to 94 last year and a 10-year average of 103 bushels.

Quality of potatoes has been much reduced by scab and grub worm injury. Average quality is 78%, compared to 90% in 1920 and a 10-year average of 89%.

**United States:**—The United States potato crop increased 10,000,000 bushels during October. Production is now estimated at 356 million bushels, compared to 346 million forecasted on October 1, 431 million bushels produced in 1920 and a 5-year average of 371 million bushels. Average yield per acre is estimated at 89.6 bushels, compared to 109.6 in 1920 and a 10-year average of 96.8 bushels.

Quality averages 84.9%, compared to 88.8% last year and a 10-year average of 87.9%.

Production of potatoes in other important surplus states are as follows:

	1921	1920	5-year average
Maine .....	37,152	22,140	23,502
New York .....	36,977	46,250	31,843
Pennsylvania .....	26,062	36,455	24,306
Michigan .....	26,520	35,700	25,735
Minnesota .....	22,752	28,025	28,068

**TOBACCO:**—Tobacco in Wisconsin yielded an average of 1,310 pounds to the acre as compared to 1,248 pounds last year and a 10-year average of 1,192 pounds. Production is estimated at 62,427,000 pounds as compared to 61,438,000 pounds forecasted on October 1, 62,400,000 produced in 1920 and a 5-year average of 52,920,000 pounds. The crop was harvested with little damage from hail or insects, but there are many reports of damage in the sheds from shed burn and pole rot. Quality is estimated at 88%, compared to 92% last year and a 10-year average of 83%.

**United States:**—The United States tobacco crop is estimated at 1,021 million pounds, compared to 992 million forecasted on October 1, 1,508 million produced in 1920 and a 5-year average of 1,272 million pounds. Average yield per acre is estimated at 764 pounds, compared to 796.1 pounds in 1920 and a 10-year average of 815.5. Quality of tobacco is estimated at 79.7%, compared to 75.8% in 1920 and a 10-year average of 85.8%.

**SUGAR BEETS:**—Wisconsin's crop of beets for sugar is estimated at 137,000 tons as compared to 132,000 tons forecasted on October 1, 236,000 produced last year and a 5-year average of 150,000 tons. Condition on November 1 was 86%, compared to 89% a year ago and a 10-year average of 89%.

**United States:**—The United States sugar beet crop is estimated at 7,480,000 tons, compared to 7,916,000 tons forecasted on October 1, 8,546,000 produced last year and a 5-year average of 6,218,000 tons.

**CABBAGE:**—(No change since October estimate.) Production is estimated at 61,000 tons, compared to 166,000 produced in 1920 and a 5-year average of 114,000 tons. Yield per acre is estimated at 5.4 tons, compared to 10.3 tons last year and a 10-year average of 8.0 tons.

**United States:**—The commercial cabbage crop of 26 states is estimated at 665,000 tons, compared to 982,000 tons in 1920.

**ONIONS:**—(No change since October estimate.) Production is estimated at 91,000 bushels, compared to 552,000 bushels produced in 1920 and a 5-year average of 284,000 bushels.

**United States:**—Production of onions (commercial) in 21 states is estimated at 12,833,000 bushels as compared to 23,525,000 bushels produced in 1920.

#### SMALL GRAINS

**OATS:**—(No change since last month.) Production of oats in Wisconsin is estimated at 63,800,000 bushels, compared to 107,906,000 bushels produced in 1920 and a 5-year average of 93,456,000 bushels.

The average weight of grain per measured bushel is estimated at 26.2 pounds, compared to 34.8 pounds last year and a 10-year average of 30.4.

**United States:**—Production of oats is estimated at 1,079 million bushels, compared to 1,526 million produced last year and a 5-year average of 1,433 million bushels.

**BARLEY:**—(No change since last month.) Production of barley in Wisconsin is estimated at 10,714,000 bushels as compared to 15,930,000 bushels produced last year and a 5-year average of 19,162,000 bushels.

Average weight of grain per measured bushel is estimated at 43.0 pounds, compared to 47.9 pounds last year and a 10-year average of 47.2 pounds.

**United States:**—Barley production in the United States is estimated at 163 million bushels, compared to 202 million last year and a 5-year average of 208 million bushels.

**BUCKWHEAT:**—Preliminary estimate of buckwheat yield is 15.6 bushels per acre, compared to 16.0 bushels last year and a 10-year average of 15.4 bushels. Production will be 390,000 bushels as compared with 351,000 bushels estimated a month ago, 424,000 produced in 1920 and a 5-year average of 380,000 bushels. Quality is good and averages 87% of a high medium grade, compared to 88% last year and a 10-year average of 87%.

**United States:**—The buckwheat crop of the United States totals 15 million bushels, compared to 14 million bushels produced in 1920 and a 5-year average of 15 million bushels.

**FLAX:**—Preliminary estimate of flax yield is 93,000 bushels, compared to 99,000 forecasted from condition on October 1, 101,000 produced last year and a 5-year average of 65,000 bushels. Average yield is reported at 10.5 bushels per acre, compared to 11.0 bushels in 1920 and a 10-year average of 12.8 bushels.

**United States:**—The 1921 flax crop is estimated at 9.4 million bushels, compared to 11.0 million in 1920 and a 5-year average of 11.7 million bushels.

**WHEAT:**—(No change since last month.) The Wisconsin wheat crop is estimated at 3,071,000 bushels, compared to 5,161,000 bushels produced in 1920 and a 5-year average of 6,156,000 bushels.

Production of spring wheat was 1,800,000 bushels, compared to 3,159,000 bushels produced in 1920 and a 5-year average of 4,402,000 bushels. Average yield was 12.0 bushels as against 12.6 bushels in 1920 and a 10-year average of 18.5 bushels. Quality is low and weight is light. Average weight per measured bushel is reported as 52.2 pounds as compared with 52.7 pounds in 1920 and a 10-year average of 56.8 pounds.

Production of winter wheat is estimated at 1,271,000 bushels as against 2,002,000 bushels produced in 1920 and a 5-year average of 1,754,000 bushels. Average yield is estimated at 16.5 bushels per acre compared with 22.0 bushels in 1920 and a 10-year average of 20.5. Weight of grain per measured bushel is estimated at 55.4 pounds as against 58.2 pounds last year and a 10-year average of 58.3 pounds.

**United States:**—The wheat crop of the United States this year is estimated at 741 million bushels as compared with 787 million bushels produced in 1920 and an average production from 1915 to 1919 of 831 million bushels.

Production of winter wheat was respectively 544, 578 and 572 million bushels; of spring wheat 197, 209 and 259 million bushels. Winter wheat yielded 14.0 bushels per acre as compared with 15.3 bushels in 1920 and a 10-year average of 15.6 bushels. Spring wheat yielded 10.9 bushels, compared to 10.8 bushels last year and a 10-year average of 12.7 bushels per acre.

**RYE:**—(No change since October estimate.) Wisconsin's rye crop in 1921 will total 6,450,000 bushels as compared with 7,728,000 bushels produced in 1920 and a 5-year average of 7,564,000 bushels. Average yield per acre is 15.0 bushels, compared to 16.0 bushels in 1920 and a 10-year average of 17.2 bushels.

Rye is relatively heavier than the other grain crops. Average weight per measured bushel is 54.4 pounds as compared with 56.2 pounds last year.

**United States:**—Production of rye in the United States is estimated at 64.3 million bushels, compared to 69.3 million in 1920 and a 5-year average of 69.2 million bushels. Average yield is 14.2 bushels per acre, compared to 13.7 bushels in 1920 and a 10-year average of 15.3 bushels.



Counties	Yield per Acre											Condition, Per cent of Normal	Carlot Shipments	
	Corn for Grain Bushels		Potatoes Bushels		Tobacco Pounds		Buckwheat Bushels		Clover Seed Bushels		Field Peas Bushels			
	1921	5-year Ave.	1921	5-year Ave.	1921	5-year Ave.	1921	5-year Ave.	1921	5-year Ave.	1921			3-year Ave.
	1921	5-year Ave.	1921	5-year Ave.	1921	5-year Ave.	1921	5-year Ave.	1921	5-year Ave.	1921	3-year Ave.	1921	1920 Crop
Northwestern District	46.8	31.8	69.1	164.02	1,145.2		17.5	14.46	1.68	2.01	14.8	16.5	74.7	
Barron	43	30.6	92	107.8	1,100		17	14	1.8	2.00	13	17.3	65	1,543
Bayfield	50	28.8	84	112.8			18	14.4		1.74	14	17.6	80	65
Burnett	40	27.8	61	98.0			17	12	1.4	1.72	12	12.3	75	340
Chippewa	52	34.0	39	103.2	1,154		18	15	1.6	1.78	15	17.0	68	1,240
Douglas	43	25.4	54	113.8			17	14.8		2.20		13.3		19
Dunn	41	34.4	46	92.6	1,190		16	16.6	1.7	2.10		15.3	60	448
Eau Claire	45	32.2	69	88.0	1,140		15	16	1.8	1.90		12.3	62	212
Pierce	43	38.0	51	93.4	1,200	1,185	17	16	1.6	1.86		17.3	72	16
Polk	47	32.6	54	108.0	1,130		12	14.2		1.90		17.6	75	436
Rusk	49	30.8	88	118.2			14	15.2	1.7	2.06		20.6	60	226
St. Croix	50	36.6	43	100.2	1,140		17	15.8		1.94		18.6	88	1
Sawyer	42	26.4	113	118.6			20	14.4		2.06		15.3	90	134
Washburn	43	26.6	87	92.0			17	12.4	1.3	1.98		16.3	78	252
Northern District	51.5	27.6	76.5	109.84			19.5	15.34	1.82	2.21	13.5	15.3	88	
Ashland	45	23.6	82	108.0			19	15.2		1.98	15	16.0		65
Clark	49	29.0	94	104.4			13	14.8	2.0	2.30	14	17.3	85	57
Iron	50	24.8	90	114.0			20	16		1.90		18.0		22
Lincoln	54	27.6	84	114.0			20	15.6		1.94	12	16.3		146
Marathon	48	28.2	57	99.4			18	14.6	1.8	2.00		14.3	90	504
Oneida	50	25.8	108	115.8			19	16.6		2.12		16.0		700
Price	52	24.4	95	111.4				15.4		2.04		16.3		126
Taylor	53	25.8	102	123.0				17		2.10	15	17.0		61
Vilas	42	24.0	88	119.8				14.8		1.86		17.3		221
Northeastern District	48.3	34.7	95.0	109.92			15.2	16.56	1.75	2.12	9.0	12.8	86.0	
Door	40	27.2	112	100.6			14	18	1.8	2.18	6	12.0	91	146
Florence	49	23.6	90	124.2				15.4		2.12		12.3		19
Forest	48	23.6	107	124.2				15.8		2.12		15.3		205
Langlade	48	25.0	134	123.4				15.8		2.13	12	14.0		452
Marquette	46	29.2	94	110.6			15	16.2	1.9	2.16	12	14.3	82	881
Oconto	52	36.4	102	104.4			16	16	1.8	2.14	11	14.3	81	445
Shawano	48	38.4	72	1										

## COMMERCIAL POTATOES

The Wisconsin commercial potato prospect increased 300 cars during October. The late fall was favorable to the crop in the northern counties of the State and a considerable increase in the crop occurred in that section. The outturn in the central counties was much below the crop indicated by field conditions on October 1.

Shipments of the 1921 crop are forecasted at 16,000 cars (700 bushels each), compared to 15,700 cars estimated on October 1, 26,000 produced in 1920 (of which only 19,990 cars were shipped), 21,800 cars in 1919 and 25,200 in 1918.

Average yield in the commercial potato counties is estimated at 64.3 bushels per acre, compared to 104.0 bushels last year and 98.3 in 1919.

The quality of potatoes is lower than last year. There is considerable scab, especially in the central counties, and much grub worm damage. It is estimated that 63% of the crop will grade U. S. No. 1, as compared to 73% last year and 71% in 1919. The percentage of U. S. No. 2 is estimated at 23%, compared to 18% last year and 19% in 1919, while the percentage of culls is estimated at 14%, 9%, and 10% respectively.

A further improvement is shown with regard to grading for market. The percentage marketed field run is estimated at 20.6%, compared to 23.5% last year and 27.8% in 1919.

On November 1, 1.1% of the 1921 crop remained to be harvested as compared with 1.4% last year and 1.6% in 1919.

A summary by Districts follows:

District	Carlot shipments forecasted			Average yield per acre, bushels		Per cent which will be			Per cent which will be marketed field run
	Nov. 1 1921	Oct. 1 1921	1920 final	1921	1920	Grade U S No. 1	Grade U S No. 2	Culls	
Northern	1,450	1,190	1,600	91	133	62	25	13	21
Northeastern	2,600	1,850	2,320	102	134	72	18	10	24
Barron-Eau Claire	5,140	4,840	4,460	72	92	62	22	16	22
Clark-Marathon	1,150	1,250	960	58	99	51	32	17	20
Jackson-Monroe	120	190	230	52	90	47	36	17	25
Portage-Waupaca	3,910	4,750	7,280	44	103	66	21	13	17
Door-Brown	190	180	310	95	121	66	24	10	34
Juneau-Columbia	940	1,080	2,190	47	100	58	23	19	16
Fond du Lac-Washington	500	370	640	115	151	70	22	8	52
STATE	16,000	15,700		64.3		63	23	14	20.6
1920			19,990		104.0	73	18	9	23.5
1919			21,800		98.3	71	19	10	27.8
1918			25,200		112.0				

Note.—Production in 1920 was estimated at 26,000 cars, of which 6,000 cars were never marketed.

Districts are as follows:

Northern—Ashland, Bayfield, Douglas, Iron, Oneida, Price, Sawyer, Vilas, Washburn.

Northeastern—Florence, Forest, Langlade, Marinette, Oconto, Shawano.

Barron-Eau Claire—Barron, Burnett, Chippewa, Dunn, Eau Claire, Pierce, Polk, Rusk, St. Croix.

Clark-Marathon—Clark, Lincoln, Marathon, Taylor, Wood.

Jackson-Monroe—Buffalo, Jackson, La Crosse, Monroe, Pepin, Trempealeau, Vernon.

Portage-Waupaca—Outagamie, Portage, Waupaca, Waushara.

Door-Brown—Brown, Door, Kewaunee, Manitowoc.

Juneau-Columbia—Adams, Columbia, Green Lake, Juneau, Marquette, Sauk.

Fond du Lac-Washington—Dodge, Fond du Lac, Washington, Waukesha, Winnebago.

## FRUIT CROPS AND MISCELLANEOUS

**APPLES:**—The Wisconsin apple crop is estimated at 40% of a full crop, compared with 78% in 1920 and a 10-year average of 62%. Production is placed at 1,800,000 bushels, compared to 3,650,000 in 1920 and a 5-year average of 3,000,000 bushels. Quality is estimated at 62% compared to 80% in 1920 and a 10-year average of 78%.

The commercial crop is estimated at 108,000 barrels, compared to 180,000 barrels produced in 1920 and 126,000 in 1919.

*United States:*—Production of apples in the United States is estimated at 102 million bushels as compared with 244 million bushels produced last year and a 5-year average of 183 million. Quality is 79.5%, compared to 87.3% in 1920 and a 10-year average of 78.4%.

The commercial crop is estimated at 18.6 million barrels, compared with 38.3 million barrels in 1920. Approximately one-half of the commercial crop this year was produced in the three Pacific States and Idaho.

**CRANBERRIES:**—The Wisconsin cranberry crop is estimated at 23,100 barrels, compared to 34,000 barrels produced in 1920 and a 5-year average of 34,000.

*United States:*—The United States crop of cranberries is estimated at 376,000 barrels, compared to 431,000 barrels produced last year and 556,000 in 1919. The New Jersey crop totals 188,000 barrels as compared with 122,000 last year and 156,000 barrels in 1919; the Massachusetts crop at

165,000 barrels as compared with 275,000 last year and 366,000 in 1919.

**CLOVER SEED:**—Wisconsin, the leading producer of clover seed, will produce only 201,000 bushels of seed. Last year 338,000 bushels were produced and during the preceding five years an average of 298,000 bushels. Average yield is estimated at 1.7 bushels per acre, compared to 2.0 bushels last year and a 10-year average of 2.3.

*United States:*—The clover seed crop of the United States is estimated at 1,214,000 bushels as compared with 1,760,000 bushels produced in 1920 and 1,341,000 in 1919. Average yield is 1.53 bushels per acre, compared with 1.8 bushels in 1920 and a 10-year average of 1.8.

**FIELD PEAS:**—The 1921 crop of dry or field peas in Wisconsin is estimated at 665,000 bushels, compared to 1,063,000 produced in 1920 and a 5-year average of 873,000 bushels. Average yield per acre is reported at 13.2 bushels, compared to 19.0 bushels last year and a 10-year average of 15.1.

Average yield of pea hay is given at 1.95 tons per acre, compared to 2.70 tons in 1920.

**FIELD BEANS:**—(No change since last month.) Production of dry beans is estimated at 103,000 bushels, as compared with 147,000 produced in 1920 and a 5-year average of 157,000 bushels.

*United States:*—The United States crop of beans is estimated at 9,435,000 bushels as compared with 9,222,000 bushels produced in 1920 and a 5-year average of 13,370,000 bushels.

## HAY CROPS

(No change in estimate since last month.) Total production of hay in 1921 is estimated at 4,118,000 tons as compared with 5,273,000 tons produced in 1920 and a 5-year average of 4,877,000. This includes 3,711,000 tons of tame and 407,000 tons of wild hay. Last year 4,814,000 tons of tame and 459,000 tons of wild hay were produced. The 5-year average production of tame hay is 4,398,000 tons; of wild hay, 479,000 tons.

Mixed clover and timothy is Wisconsin's leading hay crop. This year it totals 2,244,000 tons as against 3,018,000 tons produced last year and a 5-year average of 2,872,000 tons.

Acreage and yield of clover alone are much below last year. Production is estimated at 646,000 tons, compared to 973,000 last year and a 5-year average of 593,000 tons.

Timothy grown alone produced 454,000 tons as compared with 492,000 in 1920 and a 5-year average of 733,000 tons.

Alfalfa continues to increase in importance. The crop this year is estimated at 303,000 tons, compared with 263,000 tons last year and a 5-year average of 143,000 tons.

*United States:*—Production of hay in the United States totals 94.6 million tons as compared with 108.2 million in 1920 and a 5-year average of 103.4 million tons.

Tame hay production is estimated to be 79.8 million tons this year, 91.2 million tons last year, and an average of 85.8 million during the previous five years.

Wild hay production in 1921 was 14.8 million tons, in 1920 17.0 million, and during the previous five years an average of 17.6 million tons.



UNITED STATES DEPARTMENT OF AGRICULTURE  
Bureau of Markets and Crop Estimates  
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## CROP SUMMARY, 1921, WITH COMPARISONS

Crop	Area in Thousands			Production in Thousands			Farm Value Thousands of Dollars		
	1921	1920	1919	1921	1920	1919	1921	1920	1919
Corn, bu. ....	2,110	2,067	1,882	97,482	89,294	84,690	44,842	68,756	105,862
Oats, bu. ....	2,632	2,408	2,348	63,958	107,906	78,343	21,106	52,516	54,668
Barley, bu. ....	473	502	516	10,642	15,930	13,698	5,427	13,329	16,612
Rye, bu. ....	328	385	422	4,756	6,160	6,668	3,376	8,008	8,868
Winter wheat, bu. ....	89	91	85	1,424	1,905	1,666	1,381	3,069	3,582
Spring wheat, bu. ....	125	250	476	1,388	3,159	5,931	1,346	4,861	12,780
Buckwheat, bu. ....	40	27	30	596	424	486	447	511	729
Clover and timothy, tons. ....	2,653	2,860	2,783	3,396	4,748	4,870	51,959	95,435	98,130
Alfalfa, tons. ....	131	106	70	343	286	187	6,791	7,636	5,142
Other tame hay, tons. ....	280	98	93	398	158	143			
Wild hay, tons. ....	2464	2358	2348	437	458	473	4,935	2,733	2,431
Potatoes, bu. ....	315	308	302	21,420	33,261	28,451	3,933	5,294	6,523
Tobacco, lbs. ....	47.9	50.2	48.4	61,406	62,606	61,427	20,349	28,555	30,715
Cabbage, tons. ....	11.2	16.1	12.4	58	166	90	7,676	16,247	13,671
Onions, bu. ....	1.1	1.3	1.2	100	598	168	1,979	1,024	3,963
Hemp, lbs. ....	8.0	6.9	4.8	6,400	5,689	4,721	195	688	370
Sugar beets, tons. ....	16.0	26.7	16.1	138	236	158	400	501	407
Other root crops, tons. ....	8.5	7.7	7.7	70	64	56	967	2,384	1,926
Canning peas, cwt. ....	59.9	60.9	50.8	783	1,144	902	2,294	3,656	2,651
Sorghum syrup, gal. ....	2.5	6.0	5.0	175	450	375	245	810	660
Dry peas, bu. ....	35.2	55.8	66.2	433	1,063	882	836	1,977	2,524
Dry edible beans, bu. ....	4.9	8.7	14.0	50	105	148	130	319	613
Soy beans, for seed, bu. ....	3.5	4.0	2.0	29	28	15	77	112	63
Flax seed, bu. ....	5.6	9.2	7.3	59	101	77	88	214	331
Clover seed, bu. ....	2124	2172	2201.0	211	327	402	2,089	3,747	10,681
Timothy seed, bu. ....	212.5	211.0	215.0	60	57	68	162	165	333
Apples, bu. ....	12,339	12,342	12,322	1,050	2,250	1,545	2,541	3,825	3,399
<sup>3</sup> Cherries, qrts. ....	1359	1357	1348	380	215	223	1,050	615	581
Pears, bu. ....	124	124	124	16	24	20	51	42	38
Cranberries, bbls. ....	1.6	1.9	1.9	29	36	46	386	338	393
Maple sugar, lbs. ....	1500	1520	1494	734	974	1,131	235	390	351
Total. ....	9,381.9	9,357.4	9,244.8				187,748	328,281	398,477

<sup>1</sup> Trees. <sup>2</sup> Not included in total acreage. <sup>3</sup> Commercial only.

Wisconsin crops in 1921 were valued at \$187,748,000. This represents a total of \$140,533,000 LESS than last year and \$210,729,000 LESS than in 1919. Expressed in per cent of the peak value of 1919, crop values in 1920 were 82.4% and in 1921, 47.1%. The total value of the 31 crops included in the review and in 1921, \$328,281,000; in 1919, \$398,477,000; in 1918, \$376,185,000; in 1917, \$332,551,000; and in 1909, \$131,016,000.

The total area in cultivated crops in Wisconsin increased 24,000 acres as compared to 1920. A considerable acreage converted from pasture to the growing of crops during the time of high prices has been reverting to pasture. The decrease in crop areas was particularly pronounced in the southern counties; rate of increase in northern counties was much less than usual. Estimates for the last three years, after a careful comparison with and a study of the Census figures, have been revised to Census basis.

In 1921, only one major crop—corn—exceeded the 1920 outturn. From the standpoint of total production, the year was very disappointing. The outturn of tame hay was greatly reduced by frost damage in May; the production of small grains and potatoes by dry weather and hot winds in July and August.

**CORN:**—Area and production of corn is the largest in the history of the state. On 2,110,000 acres, 97,482,000 bushels valued at \$44,842,000 were produced. A steady in-

crease in the number of silos and heavy plantings of late forage crops were responsible for the large increase in acreage. The crop, favored by a late fall, made excellent growth after September 15th. In 1920, 2,067,000 acres produced 89,294,000 bushels valued at \$68,756,000; in 1919, 1,882,000 acres produced 84,690,000 bushels valued at \$105,862,000.

Average yield of corn in 1921 is estimated at 46.2 bushels per acre, compared to 43.2 bushels in 1920, and 45.0 in 1919. Average price per bushel on December 1 is given at 46c, compared to 77c in 1920 and \$1.25 in 1919.

**United States:**—The United States corn crop in 1921 was the only billion dollar crop of the year. Production from 103,850,000 acres was 3,081 million bushels valued at 1,305 million dollars. Average yield was 29.7 bushels per acre; average price on December 1, 42.4c per bushel. In 1920, 3,230 million bushels, valued at 2,169 million dollars, were produced on 101,699,000 acres; in 1919, 2,816 million bushels, valued at 3,787 million dollars, were produced on 97,170,000 acres.

**OATS:**—Although the area of oats was the largest ever harvested, the production was the smallest since 1907. Acreage in 1921 was 2,632,000 as compared with 2,408,000 in 1920 and 2,348,000 in 1919. Production was 63,958,000 bushels as against 107,906,000 bushels in 1920 and 78,343,000 in 1919. Farm value of oats is estimated (on December 1 price) at \$21,106,000, as compared with \$52,516,000 in 1920,

**NOTE:**—This report issued in January, 1922. The next number will be the Livestock number and will be issued in February, 1922.

and \$54,668,000 in 1919. Average yield was 24.3 bushels, compared with 44.8 bushels in 1920 and 33.4 bushels in 1919. Average farm price was 33c, compared to 49c last year and 70c in 1919.

**United States:**—The 1921 oats crop of the United States was grown on 44,826,000 acres, produced 1,061 million bushels, and was value at 322 million dollars. Average yield was 23.7 bushels; average price, 30.3c per bushel. In 1920, 42,491,000 acres produced 1,496 million bushels valued at 688 million dollars; in 1919, 40,359,000 acres produced 1,184 million bushels valued at 834 million dollars.

**BARLEY:**—Area sown to barley showed a further decline this year, and is the smallest since the opening of the twentieth century. In all, 473,000 acres were harvested as compared with 502,000 in 1920 and 516,000 in 1919. Production is estimated at 10,642,000 bushels as against 15,930,000 in 1920 and 13,698,000 in 1919.

Farm value is given at \$5,427,000, as compared with \$13,329,000 in 1920 and \$16,612,000 in 1919. Average yield was 22.5 bushels, compared with 31.7 bushels in 1920 and 26.5 bushels in 1919. Farm price per bushel on December 1 was 51c, as compared to 84c in 1920 and \$1.21 in 1919.

**United States:**—The area of barley harvested in 1921 was 7,240,000 acres, compared with 7,600,000 in 1920 and 6,720,000 in 1919. Production in 1921 was 151 million bushels, compared to 189 million in 1920 and 148 million bushels in 1919. Farm value was 63.8 million dollars, compared to 135.1 million in 1920 and 178.1 million in 1919. Average yield in 1921 was 20.9 bushels; average farm price on December 1, 42.2c.

**RYE:**—Production of rye is the smallest since 1910. A total of 4,756,000 bushels, valued at \$3,376,000, were produced on 328,000 acres. In 1920, 6,160,000 bushels, valued at \$8,008,000, were produced on 385,000 acres; while in 1919, 6,668,000 bushels, value at \$8,868,000, were produced on 422,000 acres.

A considerable acreage of rye was not harvested. Average yield was 14.5 bushels per acre as compared with 16.0 in 1920 and 15.8 bushels in 1919. Farm price on December 1 was 71c as against \$1.30 in 1920 and \$1.33 in 1919.

**United States:**—The United States rye crop of 1921 totaled 57.9 million bushels, was grown on 4,228,000 acres, and was valued at 40.7 million dollars. The 1920 crop was 60.5 million bushels grown on 4,409,000 acres, and was valued at 76.7 million dollars. The 1919 crop was 75.5 million bushels grown on 6,307,000 acres and valued at 100.6 million dollars.

**WHEAT:**—A further large reduction in wheat acreage occurred in 1921. Area in both spring and winter wheat is estimated at 214,000 acres, compared to 241,000 in 1920 and 561,000 in 1919. Spring wheat decreased 50%, from 250,000 in 1920 to 125,000 in 1921. Area in 1919 was 476,000 acres. Production of spring wheat was 1,388,000 bushels as compared with 3,159,000 in 1920 and 5,931,000 in 1919; of winter, 1,424,000 bushels, compared with 1,995,000 bushels in 1920 and 1,666,000 bushels in 1919.

Farm value in 1921 at 97c per bushel was \$2,727,000; in 1920, at \$1.54, \$7,930,000; in 1919, at \$2.15, \$16,362,000.

**United States:**—The United States wheat crop of 1921 is estimated at 795 million bushels, as compared to 833 million in 1920 and 968 million in 1919. Acreage harvested in 1921 was 62,408,000, compared to 61,143,000 in 1920 and 75,694,000 in 1919. Farm value in 1921 was 737 million dollars; in 1920, 1,197 million; and in 1919, 2,081 million dollars.

Production of winter wheat was 587 million bushels, compared to 611 million last year and 761 million in 1919; of spring wheat, 208 million bushels, compared to 222 million in 1920 and 208 million in 1919.

**CLOVER AND TIMOTHY:**—In spite of the fact that production was very small, clover and timothy hay remained the most valuable of Wisconsin farm crops. Acreage was 2,653,000, compared to 2,860,000 in 1920 and 2,783,000 in 1919. Production was 3,396,000 tons, compared to 4,748,000 tons in 1920 and 4,870,000 tons in 1919.

Farm value was \$51,959,000, compared to \$95,435,000 in 1920 and \$98,130,000 in 1919. Average yield was only 1.28 tons per acre as compared to 1.66 tons in 1920 and 1.75 tons in 1919. Farm price per ton on December 1 was \$15.30, compared to \$10.10 a year ago and \$20.15 in 1919.

**ALFALFA:** Alfalfa acreage continues to increase by leaps and bounds. Because the stand of this crop did not suffer from frost as did clover, the yield was practically average. Production was 343,000 tons, compared to 286,000 in 1920 and 187,000 in 1919.

**OTHER TAME HAY:**—Because of the short crop of clover and timothy, a greatly increased acreage of annual hay crops (millet, peas and oats, soybeans, sudan grass) was planted this year. In addition, a large acreage of grains was cut green for hay. In all, 280,000 acres of other hay were harvested as compared to 98,000 in 1920 and 93,000 in 1919.

In all, the 1921 hay crop is over a million tons below the 1920 and 1919 crops.

**United States:**—The tame hay crop of the United States is 6,000,000 tons short of the 1920 crop. Total production was 81.6 million tons, compared to 87.9 million in 1920 and 86.4 million in 1919. Acreage was 58.7 million, compared to 58.1 million in 1920 and 56.9 million in 1919. Total value was 990 million dollars, compared to 1,560 million in 1920 and 1,734 million in 1919. Average yield in 1920 was 1.39 tons; average price, \$12.13 per ton.

**POTATOES:**—With the exception of the frost-stricken crop of 1916, the 1921 crop of potatoes was the smallest since 1906. Acreage was the largest ever planted, or 315,000 acres, compared to 308,000 in 1920 and 302,000 in 1919. Production was 21,420,000 bushels, as against 33,261,000 in 1920 and 28,451,000 in 1919.

Farm value was \$20,349,000, as compared with \$28,555,000 in 1920 and \$39,715,000 in 1919. Yield per acre was 68 bushels as compared to 108 bushels in 1920 and 94 bushels in 1919. Average price on December 1 was 95c as against 86c in 1920 and \$1.40 in 1919.

**United States:**—The United States potato crop in 1921 is estimated at 347 million bushels, compared to 403 million in 1920 and 323 million in 1919. Area was 3,815,000 acres, compared to 3,657,000 in 1920 and 3,542,000 in 1919. The crop was valued at 385 million dollars in 1921 as against 462 million in 1920 and 515 million in 1919. Yield in 1921 was 90.9 bushels per acre; in 1920, 110.3 bushels; and in 1919, 91.2 bushels. Average farm price in 1921 was \$1.11 per bushel; in 1920, \$1.14; and in 1919, \$1.60.

**TOBACCO:**—Production of tobacco in 1921 from 47,900 acres was 61,406,000 pounds; in 1920, from 50,200 acres, 62,606,000 pounds; and in 1919, from 48,400 acres, 61,427,000 pounds. Farm value was \$7,676,000 as compared with \$16,247,000 in 1920 and \$13,671,000 in 1919.

**United States:**—Production of tobacco in 1921 was 1,118 million pounds as compared with 1,582 million in 1920 and 1,465 million in 1919. Acreage was much reduced,—1,473,000 as against 1,960,000 in 1920 and 1,951,000 in 1919.

**CABBAGE:**—Following the disastrous over-production in 1920, a large reduction in the cabbage acreage took place in 1921. Coupled with a short yield, the outturn was the smallest in many years. Production was 58,200 tons, compared to 165,800 tons in 1920 and 90,500 tons in 1919.

**United States:**—Production of cabbage is estimated at 606,000 tons as compared to 1,029,000 tons in 1920.

**CANNING PEAS:**—With a number of new factories in operation acreage of canning peas was only 1,000 acres below 1920. The yield was below acreage, however, and production was 783,000 hundredweight as compared with 1,144,000 hundredweight in 1920 and 902,000 hundredweight in 1919.

**CLOVER SEED:**—Production of clover seed was greatly reduced by the late spring frosts. Acreage was reduced to 124,000, as compared with 172,000 in 1920 and 201,000 in 1919. Production was 211,000 bushels as compared with 327,000 in 1920 and 402,000 in 1919.

**United States:**—Production of clover seed in the United States is given at 1,411,000 bushels as compared to 1,944,000 in 1920 and 1,484,000 in 1919.

**APPLES:**—Apple production in Wisconsin (revised to Census basis) is given at 1,050,000 bushels, compared to 2,250,000 in 1920 and 1,545,000 in 1919.

**United States:**—Apple production in the United States is estimated at 97 million bushels as compared to 224 million bushels in 1920 and 142 million bushels in 1919; the commercial crop at 20,098,000 barrels, compared to 33,905,000 barrels in 1920 and 26,159,000 barrels in 1919.

**CRANBERRIES:**—Cranberry production is estimated at 29,000 barrels, compared to 36,000 in 1920 and 46,000 in 1919.

**United States:**—The United States crop is estimated at 373,000 barrels, compared to 449,000 in 1920 and 549,000 in 1919.



## Area Wisconsin Crops Harvested 1921--Silos and Tractors, May 1, 1921

Counties	Oats	Barley	Winter Wheat	Spring Wheat	Potatoes	Cab- bage	To- bacco	Field peas	Field beans	Can- ning peas	Wild Hay	Flax	Soy beans (grown alone)	Silos	Trac- tors
Northwestern District...	471,955	87,810	5,495	24,935	73,061	1,352	1,245	1,200	688	9,312	35,831	2,477	1,327	12,487	1,784
Barron.....	48,878	9,663	73	374	16,348	70	164	137	33	3,638	2,716	389	39	2,090	269
Bayfield.....	7,805	1,192	847	520	2,167	14	-----	111	16	92	88	7	31	201	59
Burnett.....	12,884	60	361	2,167	5,674	2	-----	25	157	1	8,161	17	527	700	63
Chippewa.....	57,136	4,626	262	1,311	14,088	235	391	428	60	1,962	2,956	356	109	1,591	258
Douglas.....	7,380	723	109	565	2,158	15	-----	40	25	-----	1,555	107	78	135	57
Dunn.....	65,696	10,399	2,069	3,529	7,689	4	443	56	105	242	6,627	97	76	1,686	280
Eau Claire.....	50,366	6,631	763	3,168	3,538	237	8	13	95	1,099	3,751	53	78	847	127
Pierce.....	54,205	21,631	456	7,862	1,797	317	124	82	31	22	388	644	15	870	259
Polk.....	51,591	9,105	146	2,069	6,432	25	94	71	76	1,312	3,768	190	101	1,977	102
Rusk.....	8,442	816	16	61	4,035	16	2	70	13	896	2,177	59	63	306	46
St. Croix.....	92,990	21,365	313	3,085	2,619	410	19	153	19	48	1,571	554	16	1,574	211
Sawyer.....	4,435	418	11	40	2,390	-----	-----	9	8	-----	681	4	13	127	22
Washburn.....	10,147	1,181	69	184	4,126	7	-----	5	50	-----	1,382	-----	181	383	31
Northern District.....	154,462	22,739	1,651	1,913	29,344	194	-----	1,433	86	4,046	6,642	206	231	5,316	803
Ashland.....	6,704	1,007	407	282	1,833	2	-----	218	30	274	215	12	10	64	43
Clark.....	45,841	7,576	182	311	3,908	163	-----	128	25	2,138	1,326	38	48	2,541	223
Iron.....	1,666	256	72	91	753	2	-----	31	1	-----	352	-----	5	29	14
Lincoln.....	11,457	1,164	53	156	2,741	3	-----	116	5	332	457	4	4	197	51
Marathon.....	62,608	10,546	892	699	8,851	2	-----	666	14	1,302	1,202	126	41	1,859	282
Oneida.....	6,844	214	26	64	5,587	9	-----	109	2	-----	405	8	104	130	77
Price.....	5,679	420	19	146	2,248	4	-----	45	-----	-----	859	-----	5	191	33
Taylor.....	11,168	1,428	37	73	2,295	9	-----	83	8	-----	1,668	18	5	257	57
Vilas.....	2,505	128	13	91	1,538	-----	-----	37	1	-----	158	-----	9	48	25
Northeastern District.....	137,740	21,311	7,664	4,526	32,631	84	-----	9,459	287	565	7,491	218	495	5,395	997
Door.....	26,416	7,541	2,325	2,807	3,267	6	-----	6,049	25	-----	165	129	36	970	255
Florence.....	2,487	422	76	97	1,650	1	-----	106	-----	-----	34	11	6	61	20
Forest.....	3,068	303	13	80	2,241	2	-----	85	3	-----	97	-----	9	37	16
Langlade.....	14,644	1,951	122	203	6,282	1	-----	374	6	72	107	5	5	453	88
Marquette.....	13,883	1,525	466	331	8,699	10	-----	1,234	90	-----	3,233	10	353	927	146
Oconto.....	29,445	3,203	1,716	495	5,636	32	-----	1,152	93	400	2,147	50	44	1,133	186
Shawano.....	41,797	6,366	2,946	513	5,456	32	-----	459	70	33	1,708	13	42	1,814	286
Western District.....	337,502	50,025	11,647	22,495	12,404	190	13,088	1,065	130	4,372	21,254	282	780	7,086	947
Buffalo.....	57,837	13,048	1,730	3,800	1,353	2	118	68	5	105	4,179	10	13	794	212
Jackson.....	49,835	5,525	2,076	2,579	2,579	13	719	82	49	870	3,199	34	307	1,132	134
La Crosse.....	34,170	4,182	478	2,125	1,155	27	293	74	5	2,054	3,619	18	149	960	91
Monroe.....	56,538	7,006	888	2,848	2,965	113	1,189	21	24	72	2,439	21	183	1,550	157
Monroe.....	16,791	4,449	651	3,092	726	27	-----	620	6	316	2,239	128	10	144	84
Pepin.....	75,203	8,812	3,379	6,186	1,919	-----	1,204	156	28	1,455	4,779	64	108	1,134	136
Trempealeau.....	47,128	7,008	3,099	2,868	1,707	8	9,565	44	13	-----	800	7	10	1,352	133
Central District.....	220,345	18,446	3,737	4,408	33,475	249	208	1,314	2,873	2,969	95,334	288	4,385	8,563	851
Adams.....	13,024	558	45	259	6,518	1	-----	18	90	-----	9,539	-----	459	284	28
Green Lake.....	30,816	6,735	1,651	2,038	2,002	2	-----	813	424	2,969	18,600	128	49	601	147
Juneau.....	32,037	3,083	810	756	6,985	35	186	35	19	-----	7,562	47	689	880	99
Portage.....	39,596	808	56	205	25,702	7	-----	202	37	-----	7,331	-----	1,468	1,173	81
Marquette.....	11,885	417	246	474	4,466	-----	-----	4	953	-----	24,439	-----	169	271	29
Waupaca.....	44,298	3,141	811	262	18,739	129	-----	141	49	-----	8,981	21	232	2,895	251
Waushara.....	22,732	559	87	272	14,905	-----	-----	36	1,235	-----	13,841	3	1,087	899	110
Wood.....	25,957	3,155	31	142	4,158	75	22	65	66	-----	5,041	89	232	1,650	138
Eastern District.....	537,175	115,135	36,438	30,600	35,087	3,570	22	15,104	366	26,664	78,889	1,504	305	23,621	4,654
Brown.....	42,815	10,158	1,906	1,865	3,643	701	6	640	35	1,064	2,680	47	17	1,523	269
Calumet.....	26,795	8,381	7,502	994	830	6	-----	5,000	-----	827	1,168	79	34	1,449	440
Dodge.....	96,673	20,325	4,884	6,276	3,917	87	16	916	14	9,905	34,349	86	44	3,872	752
Fond du Lac.....	75,567	17,697	1,761	3,047	4,410	338	-----	1,934	61	3,593	15,384	209	38	2,963	558
Kewaunee.....	27,766	10,776	3,569	2,717	1,321	-----	-----	2,554	23	-----	190	243	64	1,025	241
Manitowoc.....	51,266	16,860	5,095	1,597	2,306	11	-----	2,539	-----	1,770	4,028	341	17	2,562	583
Outagamie.....	52,628	7,998	747	1,085	4,698	2,245	-----	294	70	118	2,133	95	22	2,329	512
Ozaukee.....	26,603	3,464	1,037	2,912	2,842	29	-----	176	20	2,153	887	156	18	1,175	224
Sheboygan.....	53,219	6,281	3,430	1,461	2,966	21	-----	577	96	3,684	1,025	27	26	3,149	449
Washington.....	41,582	6,806	5,872	3,368	5,233	-----	-----	26	12	2,557	3,072	32	11	2,014	336
Winnebago.....	42,261	6,389	632	5,278	2,901	132	-----	358	35	993	13,970	189	14	1,530	290
Southwestern District.....	227,692	23,855	5,135	8,350	7,496	40	3,649	1,746	18	539	7,595	23	115	5,175	863
Crawford.....	26,169	2,580	1,599	2,431	1,035	16	2,758	481	-----	-----	872	-----	21	366	63
Grant.....	84,442	5,155	702	2,413	3,027	21	312	886	11	525	998	6	37	1,381	343
Lafayette.....	49,122	5,225	121	1,822	1,282	1	-----	108	2	14	857	-----	47	1,299	171
Iowa.....	42,086	6,913	649	1,144	1,122	-----	5	125	-----	-----	4,117	-----	5	940	231
Richland.....	25,873	3,074	2,064	540	1,030	2	574	146	5	-----	751	17	5	1,189	85
Southern District.....	334,084	88,702	9,358	11,791	21,360	254	29,165	3,510	421	7,900	53,087	543	213	12,276	1,755
Columbia.....	62,947	14,000	1,528	1,438	6,232	129	3,194	928	325	3,464	22,818	-----	29	1,706	233
Dane.....	109,757	24,977	2,616	3,108	4,245	73	18,597	2,415	36	2,207	16,841	65	31	4,125	625
Green.....	44,050	9,783	164	1,016	1,317	1	236	-----	-----	100	2,862	-----	27	1,968	250
Rock.....	54,759	32,658	649	5,530	2,899	51	7,130	21	2	739	5,247	415	41	2,473	388
Sauk.....	62,577	7,284	4,401	699	6,667	-----	8	146	58	1,330	5,319	63	85	2,004	259
Southeastern District.....	211,104	44,897	7,576	15,942	20,059	5,293	564	392	29	3,573	57,973	106	186	10,452	1,810
Jefferson.....	53,576	3,645	3,521	2,610	1,523	-----	561	286	7	468	26,938	19	37	2,593	319
Kenosha.....	22,486	5,089	519	3,211	1,643	1,766	-----	8	1	-----	5,204	30	11	942	218
Milwaukee.....	16,164	1,981	731	2,206	5,569	853	-----	7	6	12	2,439	9	12	652	173
Racine.....	26,281	6,011	169	2,163	3,015	2,527	-----	4	3	-----	5,935	39	29	1,294	280
Walworth.....	44,712	22,828	1,310	2,377	1,906	103	3	84	2	827	6,283	5	43	2,262	345
Waukesha.....	47,585	5,343	1,326	3,375	6,398	44	-----	3	10	1,266	11,174	4	54	2,709	475
State.....	2,632,059	472,940	88,701	124,960	314,917	11,226	47,941	35,223	4,898	59,940	364,096	5,647	8,037	90,371	14,494

## FALL GRAIN REPORT

Wisconsin farmers sowed 54,000 acres more of winter grains this fall than they did last year. A total of 481,000 acres of wheat and rye was planted as compared to 427,000 last fall and 465,000 acres in the fall of 1919. The fall was very favorable for the sowing of winter grains. Abundant and frequent rains in September and mild weather in October facilitated the work. Both wheat and rye, because of the mild weather and ample snow covering, entered the winter in excellent condition.

**WINTER WHEAT:**—Area planted to winter wheat is estimated at 104,000 acres as compared with 99,000 last year and 101,000 in the fall of 1920. Condition on December 1 was 94% of normal as compared to 91% in 1920 and a 10-year average of 93%.

**RYE:**—Area planted to rye was 377,000 acres as compared to 328,000 in 1920 and 364,000 in 1919. Condition on December 1 was 95%, compared to 94% in 1920 and a 10-year average of 95%.

**United States:**—Area sown to winter wheat is estimated at 44,393,000 acres, compared to 44,847,000 in 1920. Condition on December 1 was 76.0%, compared to 87.9% last year and a 10-year average of 89.0%.

Area sown to rye for grain is estimated at 5,184,000 acres, compared to 4,228,000 in 1920. Condition on December 1 was 92.2%, compared to 90.5% last year and a 10-year average of 90.9%.

**FALL PLOWING:**—The fall of 1921 was, in nearly all parts of the state, ideal for farm work. It is estimated that 73% of all farm land to be plowed was plowed during the fall, as compared to 67% last year and 61% in 1919.

**FARM WAGES:**—Wages of farm help in 1921 declined from the peak wages of 1920. Monthly rate for year-round hands is estimated at \$39.20 with board and \$56.00 without

board, as compared with \$62.50 and \$83.50 in 1920 and \$48.70 and \$69.00 in 1919.

Day rate for harvest hands is given at \$2.65 with board and \$3.40 without board as compared to \$4.10 and \$4.90 in 1920 and \$3.30 and \$4.02 in 1919.

**FALL PIGS:**—Production of fall pigs was higher than in 1920. It is estimated that 34% of all brood sows farrowed in the fall, raising an average of 6.2 pigs per litter as compared to 32% and 5.5 pigs in 1920, and 36% and 5.6 pigs in 1919.

## GENERAL SUMMARY

November, 1921.

November was unusually cloudy and cool with somewhat less than the normal amount of precipitation. This was the first month since November, 1920, with the mean temperature for the state below the normal. There were negative departures at all stations except two, and at those two places the means were only slightly above the normal. Minima of zero or below occurred over about half of the state on the 20th, and at several places on the 12th. The warmest weather occurred early in the month, and the maxima ranging from 44 to 68 degrees. The precipitation, the greater part of which was snow, was fairly well distributed, both over the state and through the month. While there was an excess at several stations, there was a moderate deficiency in most localities. The total snowfall ranged from one inch in Racine county to more than 20 inches in a few northern and northwestern localities. On the whole the weather of the month was favorable for agricultural interests. Fall work in most sections was well advanced when the first snow cover occurred, and in some southeastern counties plowing continued until the end of the month. Fall grains, grasses and livestock were in good condition generally.—W. P. Stewart, Weather Bureau.



UNITED STATES DEPARTMENT OF AGRICULTURE  
Bureau of Markets and Crop Estimates  
H. C. TAYLOR, ChiefWISCONSIN STATE DEPARTMENT OF AGRICULTURE  
Division of Agricultural Statistics  
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MONTHLY CROP AND LIVESTOCK REPORTER

JOSEPH A. BECKER, Agricultural Statistician

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## LIVESTOCK INVENTORY, JANUARY 1, 1922, WITH COMPARISONS

Class of Animals	Number on Farms in Thousands			Farm Value Thousands of Dollars			Farm Price per Head in Dollars		
	Jan. 1 1922	Jan. 1 1921	Jan. 1 1920	Jan. 1, 1922	Jan. 1, 1921	Jan. 1, 1920	Jan. 1, 1922	Jan. 1, 1921	Jan. 1, 1920
Horses.....	656	663	683	61,008	71,604	77,862	93.00	108.00	114.00
Mules.....	4	4	4	392	412	464	98.00	103.00	116.00
Dairy Cows.....	1,759	1,777	1,795						
Dairy Heifers.....	436	400	385						
Dairy Cows and Heifers.....	2,195	2,177	2,180	114,140	141,505	211,460	52.00	65.00	97.00
Other Heifers.....	33	32	31						
Steers.....	89	111	105						
Calves.....	597	574	574						
Other Cattle.....	166	166	161						
Other Cattle.....	885	883	871	17,346	22,870	33,621	19.60	25.90	38.60
All Cattle.....	3,080	3,060	3,051	131,486	164,375	245,081			
Brood Sows.....	418	394	402						
Other Hogs (over 6 months).....	364	486	457						
Pigs (under 6 months).....	877	797	738						
All Swine.....	1,659	1,676	1,596	17,420	24,302	37,506	10.50	14.50	23.50
Breeding Ewes.....	275	318	346						
Other Sheep (over 1 year).....	17	20	22						
Lambs.....	75	94	112						
All Sheep.....	376	432	480	1,688	2,765	5,280	4.60	6.40	11.00
Hens and Pullets.....	11,641	10,972	10,668						
Other Poultry.....	1,081	1,260	1,094						
All Poultry.....	12,722	12,232	11,762	10,636	11,584	11,997	0.886	0.947	1.020
Colonies of Bees.....	134	121	108	1,179	1,355	918	8.80	11.20	8.50
Total.....				223,809	276,397	379,103			

## LIVESTOCK INVENTORY \$50,000,000 LESS

The value of Wisconsin livestock decreased over \$50,000,000 during 1921. Total value on January 1, 1922 was \$223,809,000, compared to \$276,397,000 on January 1, 1921 and \$379,108,000 on January 1, 1920. Value in 1922 is 19.0% less than in 1921, 41% less than in 1920, and 17% less than in 1914 (pre-war), but 41% more than in 1910. Horses decreased \$10,000,000 in value; milk cows, \$27,000,000; and swine, \$7,000,000.

Milk cows, horses, sheep, and swine decreased in numbers as compared to a year ago, while dairy heifers, other cattle, poultry, and bees increased.

Farm price per head of every class declined as compared to a year ago. Milk cows declined 20%; other cattle, 24%; horses, 14%; swine, 27%; sheep, 28%; poultry, 12%; and bees, 9%. For all classes, except horses and bees, the decline was less during 1921 than during 1920.

Estimated numbers of live stock have all been revised to the basis of the 1920 census. All previous estimates have been based upon the number and classification used in the 1910 Census.

DAIRY COWS AND HEIFERS (over 1 year) numbered 2,195,000 as compared with 2,177,000 in 1921 and 2,180,000 in 1920. Mature cows numbered 1,759,000 as compared with 1,777,000 in 1921 and 1,795,000 in 1920. The culling out of poor producing cows and replacing with young stock still continues. Mature cows decreased 1% in number, while dairy heifers increased 9%.

Farm value of cows and heifers is estimated at \$114,140,000, compared with \$141,505,000 in 1921 and \$211,460,000 in 1920. Farm price per head is estimated at \$52, compared to \$65 in 1921 and \$97 in 1920.

OTHER CATTLE, which includes all beef cattle and dairy calves and bulls, are estimated to number 885,000, compared to 883,000 in 1921 and 871,000 in 1920. Average price per head is given at \$19.60, compared to \$25.90 in 1921, and \$38.60 in 1920. Total value is placed at \$17,346,000, as compared with \$22,870,000 last year and \$33,621,000 the previous year. Calves increased 4% in number during the year; beef heifers, 2%. Steers decreased 20%, and other cattle showed no change.

SWINE numbered 1,659,000, compared to 1,676,000 in 1921 and 1,596,000 in 1920. Brood sows increased 6%; fall pigs, 10%. Other swine decreased 25%. This indicates a small hold-over of hogs on feed and a large fall pig crop in 1921, and a large prospective spring pig crop in 1922.

Total farm value is estimated at \$17,420,000, compared to \$24,302,000 in 1921 and \$37,506,000 in 1920. Average price per head is estimated at \$10.50, compared to \$14.50 last year and \$23.50 the previous year.

SHEEP AND LAMBS on Wisconsin farms on January 1, 1922 numbered 367,000 compared to 432,000 in 1921 and 480,000 in 1920. Breeding ewes decreased 13%; other mature sheep, 14%; and lambs, 20%. Total value in 1922 was \$1,688,000 as compared with \$2,765,000 in 1921 and \$5,280,000 in 1920. Average price per head at the three dates were \$4.60, \$6.40, and \$11.00.

HORSES numbered 656,000, compared to 663,000 in 1921, and 683,000 in 1920. Farm price per head was \$93 as compared with \$108 last year and \$114 in 1920. Total farm value in 1922 was \$61,008,000; in 1921, \$71,604,000; and in 1920, \$77,862,000. Mules in Wisconsin in 1922 numbered 4,000.

POULTRY of all kinds numbered 12,722,000, compared to 12,232,000 a year ago and 11,762,000 in 1920. Of these, there were on January 1, 1922, 11,641,000 hens and pullets; in 1921, 10,972,000; and in 1920, 10,668,000. Value of all poultry is estimated at \$10,636,000, compared to \$11,584,000 last year and \$11,997,000 in 1920. Average price per head was \$0.836, compared to \$0.947 in 1921, and \$1.020 in 1920.

There were 134,000 colonies of BEES on farms and apiaries of the state on January 1, compared to 121,000 last year and 108,000 in 1920. Total value in 1922 was \$1,179,000; in 1921, \$1,355,000; and in 1920, \$918,000.

#### UNITED STATES LIVESTOCK INVENTORY OFF 1,271 MILLION

In the United States, the total value of livestock (except poultry and bees) is estimated at 4,780 million dollars on January 1, 1922, compared to 6,051 million in 1921 and 8,165 million in 1920. The 1922 value was 21.0% less than in 1921, 41.5% less than in 1920, 18.8% less than in 1914 (pre-war) and 2.7% less than in 1910.

Price per head of horses decreased 16.4% since a year ago; of milk cows, 20.7%; of other cattle, 24.2%; of sheep, 23.8%; and of swine, 22.4%. Milk cows and swine increased in numbers during the year, while horses, mules, other cattle, and sheep decreased.

HORSES numbered 19,099,000, compared to 19,208,000 in 1921, and 19,766,000 in 1920. Value was 1,346 million dollars, compared to 1,619 million in 1921 and 1,908 million in 1920. Average price per head was \$70.48, compared to \$84.31 last year and \$96.57 the previous year. Mules numbered slightly over 5,000,000 and were valued at 480 million dollars.

MILK COWS numbered 24,028,000, compared with 23,594,000 in 1921 and 23,722,000 in 1920. Average price was \$50.97, compared with \$64.22 last year and \$85.86 the previous year. Total farm value was 1,225 million dollars, compared with 1,515 million in 1921 and 2,037 million in 1920.

Number of OTHER CATTLE on January 1, 1922 was 41,324,000 as compared with 41,993,000 in 1921 and 43,398,000 in 1920. Total farm value was 983 million dollars as compared with 1,317 million in 1921 and 1,875 million in 1920. Average price was \$23.78, compared to \$31.36 a year ago and \$43.21 the previous year.

There were 36,048,000 SHEEP and LAMBS on farms on January 1, compared with 37,452,000 a year ago and 39,025,000 the previous year. Average farm price was \$4.80 per head, compared to \$6.30 in 1921 and \$10.47 in 1920. Total value was 173 million dollars, compared to 236 million in 1921 and 409 million in 1920.

SWINE numbered 56,996,000, compared with 56,097,000 in 1921 and 59,344,000 in 1920. Average price decreased from \$19.07 per head in 1920 to \$12.97 in 1921 and to \$10.06 this year. Total value was 573 million dollars, compared with 727 million in 1921 and 1,132 million in 1920.

#### FARM LABOR

The statement often made that during periods of depression the farms of the country absorb some of the surplus industrial labor is not borne out by a survey made in Wisconsin through the crop correspondents of this service. For every 100 hired hands on the farms of crop correspondents on July 1, 1920, there were only 60 on the following January 1 (1921). This difference doubtless is, to a considerable extent, seasonal. However, the number on January 1, 1922, a year later, had declined to 56.

Apparently, relatives of farm operators, who were employed in cities during the period of industrial prosperity, did not return to farms in great numbers. For every 100 members of the farm operators' families employed on July 1, 1920, there were 93 on January 1, 1921. This difference may be largely due to farmers' sons of high school and college age, who were working on the former date and in attendance at schools on the latter date. On January 1, 1922 this number had been reduced to 91 as compared with 100 on July 1, 1920.

#### THE WEATHER December, 1921

Considering the State as a whole December was somewhat warmer and wetter than usual, with less than the normal amount of sunshine. The first two decades were warm for the season, and day-time temperatures were moderate near the close of the month, but the first half of the third decade was cold and night temperatures continued low until the 31st. The lowest temperatures occurred in most localities on the 25th and ranged from 1° at Racine to -35 at Winter. Most of the precipitation occurred during two periods, 1st to 5th, and 11th to 24th. It was fairly well distributed over the State, there being a moderate excess in most localities. There was considerably less than the average December snowfall, and at the close of the month there was only a trace on the ground in extreme southeastern counties. In central and northern districts, however, the depth ranged from 8 to 18 inches. This permitted active logging operations in the northern woods. On the whole the weather of the month was favorable for agricultural interests; winter grains, grasses, and live stock did well, and tobacco stripping was practically completed.

#### January, 1922

The month was colder and drier than usual, with considerably more than the normal amount of sunshine. There were frequent alternations of cold and moderately warm weather. As a result of this, the monthly mean temperature of the State was only 0.6° below the normal for January, notwithstanding the fact that some of the lowest temperatures ever recorded in Wisconsin occurred on the 24th, when minima over the state ranged from -6° at Racine to -54° at Danbury.

The precipitation was unevenly distributed, stations in the same section reporting widely varying amounts. There was a moderate deficiency, however, in nearly all parts of the State. There was an ample covering of snow in central and northern counties, and in some localities the marketing of farm products was delayed by impassable drifts, but in the southeast the snowfall was light and winter grains and grasses were unprotected during the greater part of the month. At the close of the month live stock was doing well and a crop of excellent ice had been almost entirely harvested.—W. S. Stewart, Section Director, Weather Bureau.



## NUMBER OF LIVESTOCK ON WISCONSIN FARMS, JANUARY 1, 1920-22

Counties	Dairy Cows			Dairy Heifers			Other Cattle			All Swine			All Sheep		
	Jan. 1, 1922	Jan. 1, 1921	Jan. 1, 1920 (Census)	Jan. 1, 1922	Jan. 1, 1921	Jan. 1, 1920 (Cen's)	Jan. 1, 1922	Jan. 1, 1921	Jan. 1, 1920 (Cen's)	Jan. 1, 1922	Jan. 1, 1921	Jan. 1, 1920 (Census)	Jan. 1, 1922	Jan. 1, 1921	Jan. 1, 1920 (Cen's)
<b>Northwestern Dist.</b>	265,964	263,060	261,393	76,980	69,857	65,835	191,088	189,485	172,352	226,373	235,506	206,922	77,671	89,295	99,331
Barron	38,722	38,339	37,587	10,311	9,915	9,348	20,424	19,451	18,350	19,893	22,103	19,739	9,447	11,809	12,836
Bayfield	7,011	6,807	6,674	2,265	1,965	1,786	4,488	4,400	4,074	2,939	3,094	2,813	4,455	4,950	5,824
Burnett	10,382	10,703	10,597	3,534	3,270	3,146	6,938	7,080	6,323	5,562	6,544	5,844	1,772	2,531	2,876
Chippewa	34,726	34,046	33,709	10,015	8,945	8,520	18,235	18,007	16,466	21,883	22,508	20,279	8,975	11,219	13,045
Douglas	6,421	6,235	5,668	1,678	1,598	1,430	3,923	3,566	3,101	2,977	2,835	2,464	2,680	3,829	4,061
Dunn	36,336	35,976	36,339	9,597	8,725	8,470	20,317	21,886	19,442	41,927	45,573	37,979	7,656	10,937	11,513
Eau Claire	18,798	18,988	18,800	5,401	5,146	4,901	20,170	20,582	19,602	19,180	19,249	16,041	4,958	5,833	6,628
Pierce	23,285	23,055	23,525	6,717	6,106	5,986	28,931	29,223	27,058	34,237	32,607	31,052	13,922	13,649	15,871
Polk	34,674	33,994	33,327	9,795	8,520	7,818	21,275	20,262	17,774	28,922	32,135	25,710	6,949	7,721	8,127
Rusk	10,301	9,905	9,616	3,429	2,857	2,550	7,061	6,419	5,835	5,430	5,716	4,764	2,597	2,473	2,876
St. Croix	35,510	35,158	35,876	10,827	9,843	9,115	31,334	30,720	27,429	36,819	36,097	34,377	6,860	7,221	8,206
Sawyer	2,912	2,828	2,719	1,232	989	863	2,289	2,409	2,007	2,006	2,047	1,892	1,846	1,678	1,766
Washburn	6,886	7,026	6,956	2,176	1,978	1,902	5,703	5,380	4,891	5,098	4,998	3,998	5,554	5,445	5,732
<b>Northern District</b>	153,633	154,593	152,729	39,576	35,534	33,486	65,655	65,535	59,897	76,271	85,019	77,242	27,584	31,197	34,573
Ashland	5,519	5,473	5,365	1,789	1,491	1,421	3,160	3,224	2,879	3,098	3,261	2,717	1,500	2,000	1,905
Clark	53,572	54,113	53,577	12,074	11,390	10,850	19,204	18,646	16,951	25,276	28,084	26,004	4,086	5,108	6,010
Iron	1,767	1,733	1,635	550	481	456	1,188	1,251	1,043	935	1,169	899	950	946	996
Lincoln	11,107	10,997	10,677	2,992	2,602	2,502	5,065	5,015	4,559	5,271	6,201	4,770	2,270	3,026	3,362
Marathon	54,302	54,850	54,809	13,637	12,897	11,965	22,280	22,505	20,940	27,508	30,564	29,673	8,309	9,232	10,861
Oneida	2,592	2,542	2,517	878	732	665	1,939	2,041	1,775	2,500	2,538	2,030	1,901	2,535	2,817
Price	8,824	8,737	8,482	2,999	2,899	2,181	5,088	4,988	4,454	4,044	4,758	3,806	3,816	3,682	3,927
Taylor	14,783	14,932	14,497	4,194	3,647	3,341	6,931	7,072	6,548	6,895	7,661	6,662	3,556	3,386	3,320
Vilas	1,167	1,216	1,170	473	395	375	800	793	748	744	783	681	1,196	1,328	1,475
<b>Northeastern Dist.</b>	107,268	109,692	107,120	28,066	25,106	22,724	42,510	41,898	38,675	67,172	75,080	65,359	15,885	19,352	20,819
Door	17,890	18,832	18,646	4,275	3,718	3,572	5,672	5,729	5,305	9,774	10,897	8,665	1,156	1,652	1,836
Florence	1,773	1,847	1,757	601	575	510	1,473	1,339	1,164	861	957	832	2,169	2,410	2,431
Forest	1,765	1,857	1,787	747	623	543	1,500	1,493	1,357	1,897	1,807	1,571	1,800	1,814	1,910
Langlade	11,600	11,639	11,411	3,867	3,515	3,065	6,391	6,455	5,988	6,250	7,353	6,127	2,850	2,808	2,956
Marquette	15,713	15,558	14,968	4,350	3,782	3,438	6,548	6,680	5,964	9,084	10,093	9,175	1,862	2,190	2,203
Oconto	22,567	23,265	22,587	5,464	5,204	4,781	8,620	8,368	7,748	14,286	15,093	14,460	1,918	2,491	2,631
Shawano	35,960	36,994	35,974	8,612	7,689	6,935	12,306	11,834	11,269	25,020	29,435	24,529	4,130	5,897	6,552
<b>Western District</b>	172,401	175,383	181,330	50,766	45,725	44,992	117,539	117,698	115,340	197,535	192,832	198,359	61,834	69,996	78,874
Buffalo	25,729	25,504	26,293	7,670	6,670	6,737	18,813	19,197	17,775	42,236	40,225	42,342	8,848	11,060	12,022
Jackson	21,553	21,840	22,229	6,302	5,480	5,426	12,296	11,939	12,567	22,748	20,680	23,500	6,919	8,140	7,752
La Crosse	22,504	22,082	22,315	6,196	5,911	5,472	12,273	11,801	10,728	28,763	26,881	29,218	5,098	5,664	5,980
Monroe	33,444	34,836	36,289	10,127	9,206	8,796	16,795	17,138	17,068	33,082	34,368	32,731	7,801	10,401	9,796
Peplin	7,659	7,509	7,741	2,116	1,764	1,799	5,648	5,379	4,890	11,511	10,658	11,219	3,473	4,631	5,789
Trempealeau	28,898	29,781	30,702	9,502	8,261	8,099	25,300	25,291	23,636	31,843	32,165	30,633	15,549	16,366	20,458
Vernon	32,614	34,331	35,761	8,853	8,433	8,693	26,414	26,953	28,076	26,752	27,855	28,716	14,146	13,734	17,167
<b>Central District</b>	148,795	151,609	156,447	41,772	36,073	34,655	62,054	63,937	64,016	109,345	112,782	114,155	21,309	27,542	31,720
Adams	7,737	7,076	6,223	2,688	2,240	2,220	4,326	4,506	4,808	6,878	6,743	6,422	808	1,155	1,359
Green Lake	14,460	14,477	15,080	3,209	3,054	2,964	8,112	8,817	8,644	23,594	24,076	21,887	4,835	6,907	8,223
Juneau	18,350	18,373	18,748	6,585	5,266	4,974	8,702	8,971	9,443	14,614	13,947	15,496	4,166	5,207	5,481
Portage	18,935	19,032	20,763	6,533	5,445	5,139	6,914	7,277	7,690	11,855	13,172	13,855	2,298	2,872	3,590
Marquette	10,343	10,774	11,462	2,821	2,565	2,549	6,706	6,640	6,845	11,884	11,004	11,961	3,649	4,054	4,505
Waupaca	35,190	36,277	37,017	8,475	7,368	7,224	11,408	11,641	11,302	19,469	21,162	20,154	2,667	3,138	3,411
Waushara	16,800	16,836	17,356	4,199	3,651	3,511	6,539	6,349	5,772	9,773	10,180	10,493	1,126	1,501	1,766
Wood	26,980	26,964	27,798	7,262	6,484	6,174	9,347	9,736	9,452	11,248	12,498	13,887	1,760	2,708	3,385
<b>Eastern District</b>	379,400	383,956	385,594	78,906	73,474	71,828	110,394	106,728	112,061	326,448	329,692	302,121	30,575	37,396	46,155
Brown	31,536	32,850	32,868	7,435	6,823	6,689	11,154	10,725	10,619	16,882	17,897	17,458	896	1,121	1,401
Calumet	23,453	23,690	23,929	4,759	4,366	4,156	6,898	7,039	6,834	15,167	14,725	12,804	894	1,277	1,506
Dodge	64,740	64,772	65,426	12,734	11,790	11,773	17,857	17,007	18,486	71,504	67,457	61,325	6,578	6,923	8,654
Fond du Lac	50,080	50,110	50,156	9,894	9,250	9,218	14,845	14,413	15,172	52,357	50,343	44,551	9,391	12,521	15,269
Kewaunee	19,080	20,295	20,409	4,424	4,059	3,831	4,870	4,861	5,281	11,720	13,318	12,684	1,718	1,898	2,009
Manitowoc	39,005	39,490	39,528	7,837	7,190	7,160	11,050	10,524	10,849	24,987	26,302	25,291	1,294	1,618	1,798
Outagamie	37,596	38,747	38,364	8,451	7,827	7,452	10,144	9,754	10,960	34,228	36,413	33,716	1,955	2,300	3,066
Ozaukee	17,390	17,420	17,487	3,901	3,716	3,506	4,089	3,786	4,302	12,263	13,329	12,117	1,004	2,139	2,377
Sheboygan	39,958	39,562	39,962	8,670	8,030	7,796	13,022	12,402	12,655	34,550	34,646	33,637	458	654	817
Washington	27,014	28,140	28,420	4,961	4,863	4,722	7,769	7,692	7,930	27,524	29,917	26,015	2,419	2,544	3,180
Winnebago	29,458	28,880	28,955	5,840	5,560	5,525	8,696	8,525	8,973	25,766	24,775	22,523	3,368	4,491	5,988
<b>Southwestern Dist.</b>	143,459	144,873	149,463	37,138	35,470	32,835	138,588	141,517	154,793	241,566	248,247	226,856	51,360	57,685	60,095
Crawford	19,202	18,643	19,623	4,865	4,770	4,500	14,931	14,638	17,021	20,562	22,350	22,402	4,700	5,539	6,154
Grant	29,253	30,788	31,720	8,935	8,123	7,385	54,043	55,714	61,904	98,379	97,405	86,969	15,394	18,111	19,685
Lafayette	27,854	27,677	28,242	7,267	6,731	6,119	30,897	30,591	31,864	49,811	50,828	50,325	8,683	9,139	9,422
Iowa	35,604	34,906	36,349	8,191	8,110	7,798	27,654	28,806	30,006	43,178	45,451	37,875	9,280	9,245	9,338
Richland	31,546	32,859	33,529	7,890	7,736	7,033	11,063	11,768	13,908	29,636	32,213	29,285	13,303	15,651	15,496
<b>Southern District</b>	219,098	222,122	226,259	49,024	46,274	45,823	105,426	106,346	102,204	311,695	304,762	301,989	42,609	55,013	59,793
Columbia	28,590	28,030	28,313	6,000	5,826	6,068	23,424	24,400	23,922	54,765	53,170	52,127	8,320	12,800	

**SEMI-MONTHLY CROP NOTES FOR FEBRUARY 1-15,  
1922, AS REPORTED BY THE BUREAU'S AGRICULTURAL  
STATISTICIANS IN THE DIFFERENT STATES**

**General Crop Summary**

Crop conditions for the first half of February are covered in reports received by the Bureau of Markets and Crop Estimates, United States Department of Agriculture, from its Field Agricultural Statisticians in the different States.

**CORN:**—A considerable surplus of corn still remains on farms and is being used freely to help the farm feed supply. Prices are gradually advancing, but marketing still continues to be slow. Planting is in progress in southern Florida.

**WINTER WHEAT AND RYE:**—Further deterioration of the wheat crop is reported in the central and western counties of Kansas due to the drought and strong winds. The condition of the crop is only fair in Nebraska; rain is needed in the southwestern districts of the State and in southern Iowa. The early sown crop in Oklahoma is fair but much of the late crop has not yet sprouted or is showing a poor stand. Some winter killing is reported in the north central States except in the northern section where the crop has been protected by snow. The condition in the eastern section of the country is generally good and little damage reported. The condition in the far western States is quite favorable. General rains and warmer weather have benefited the crop considerably in California.

The condition of the winter rye crop generally continues good. Some damage from alternate freezing and thawing is reported in Indiana. A considerable increase in acreage is reported in North Dakota.

**COTTON:**—The outlook for the crop for 1922 is still uncertain but some increase in acreage is being discussed. Increased sales of improved early seed are reported in Georgia as early seed is necessary to escape weevil ravages. The

soil is in excellent condition for planting in Texas. Much interest in co-operative marketing is reported in South Carolina.

**POTATOES:**—The condition of the Irish potato crop in Florida is good and the acreage increased over last year. Preparations are being made for early plantings in the Southern States and an increased acreage indicated. Considerable surplus still remains in the hands of farmers in North Dakota and Wisconsin. A slight increase in price is reported.

Much interest is manifested in the coming sweet potato acreage especially for early marketing. A larger quantity of slips than usual is being bedded out in Georgia.

**FRUIT:**—Fruit trees are generally in good condition and very little damage to buds is reported. Some damage has probably been done to peach buds in southern New England by the recent low temperatures. The condition of the orange groves is generally good in Florida.

An increase in the acreage of strawberries is reported in Louisiana, Mississippi and Arkansas.

**LIVE STOCK, HAY AND PASTURES:**—The condition of live stock is generally favorable and very little disease is reported. Considerable interest in dairying is reported in the southern section. The prospect for the spring pig crop in Iowa and Nebraska is reported to be fair. The sheep industry in Idaho is recovering from past depression and the outlook is quite favorable. Considerable increased interest is being manifested in poultry raising.

Ranges in Arizona and California are in good condition. The snow covering has necessitated heavy feeding in Idaho. Clover and alfalfa fields have been damaged by the severe weather in Indiana but are reported to be in good condition in Illinois. Some damage from the ice coating is feared in southern New England.

**FARM LABOR:**—The supply of farm labor is quite plentiful and generally exceeds the demand. Farmers are employing as little help as possible and are doing their own work where they can manage to do so. Wages are reported as getting lower.



UNITED STATES DEPARTMENT OF AGRICULTURE  
Bureau of Markets and Crop Estimates  
H. C. TAYLOR, Chief

WISCONSIN STATE DEPARTMENT OF AGRICULTURE  
Division of Agricultural Statistics  
C. F. NORGORD, Commissioner

# WISCONSIN MONTHLY CROP AND LIVESTOCK REPORTER

JOSEPH A. BECKER, Agricultural Statistician

Vol. I, No. 8

State Capitol, Madison, Wisconsin

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## LIVESTOCK PRODUCTION, 1921, WITH COMPARISONS

Class of Livestock Kind of Product	Number or Quantity in Thousands			Farm Value Thousands of Dollars			Farm Price Dollars per Unit		
	1921	1920	1919	1921	1920	1919	1921	1920	1919
Meat Products:									
Cattle, head.....	474	514	517	18,960	30,583	34,122	40.00	59.50	66.00
Calves, head.....	796	842	753	5,572	9,094	9,337	7.00	10.80	12.40
Sheep, head.....	407	364	443	2,523	3,385	4,386	6.20	9.30	9.90
Swine, head.....	2,281	2,099	2,107	56,341	59,192	73,745	24.70	28.20	35.00
Poultry, head.....	8,942	8,351	8,297	8,262	9,854	9,625	.924	1.180	1.160
Sub-total—Meat.....				91,658	112,108	131,215			
Other Products:									
Milk, cwt.....	87,680	90,803	88,870	144,437	232,894	251,003	1.645	2.565	2.824
Eggs, dozen.....	74,975	75,565	74,304	21,218	32,493	29,722	.283	.430	.400
Wool, pounds.....	2,818	3,219	3,310	527	773	1,754	.187	.240	.530
Honey, pounds.....	4,728	5,281	5,424	902	1,452	1,856	.191	.275	.250
Sub-total—Other products.....				167,084	267,612	283,835			
Grand total.....				258,742	379,720	415,050			

### LIVESTOCK PRODUCTS FALL OFF \$120,000,000

The total value of livestock products of Wisconsin farms in 1921 was over \$120,000,000 less than in 1920. Gross farm value is estimated at \$258,742,000 as compared with \$379,720,000 in 1920, \$415,050,000 in 1919, \$372,616,000 in 1918, \$307,086,000 in 1917 and \$125,025,000 in 1919. Value in 1921 was 68.2% of 1920, 62.4% of the peak value of 1919, but more than twice that of 1909.

While the greatest decline occurred in the value of milk, every product fell off in value as compared with the previous year. Prices per unit of all products were much lower. Sheep, swine, and poultry were produced in larger numbers than in 1920. All other products decreased in quantity as well as in price.

### VALUE OF MEAT PRODUCTS DECLINES \$20,000,000

The total value of meat production in 1921 was \$91,658,000, compared to \$112,108,000 in 1920 and \$131,215,000 in 1919.

Cattle sold for slaughter or slaughtered on farms numbered 474,000 compared to 514,000 in 1920 and 517,000 in 1919. Total value was \$18,960,000 as against \$30,583,000 in 1920 and \$34,122,000 in 1919. Calves numbered 796,000 as compared to \$842,000 in 1920 and 753,000 in 1919. Farm value was \$5,572,000, compared to \$9,094,000 in 1920 and \$9,337,000 in 1919. The estimated value per head of cattle in 1921 was \$40.00, as compared with \$59.50 in 1920 and \$66.00 in 1919; of calves, \$7.00 in 1921, as compared with \$10.80 in 1920 and \$12.40 in 1919.

Sheep and lambs to a total of 407,000 were slaughtered in 1921, as compared with 364,000 in 1920 and 443,000 in 1919. Farm value was \$2,523,000 as compared to \$3,385,000 in 1920 and \$4,386,000 in 1919. The increase slaughtered reflects the drastic cutting down in Wisconsin flocks. The average farm price of sheep and lambs in 1921 is estimated at \$6.20 per head, as compared with \$9.30 in 1920, and \$9.90 in 1919.

Swine numbered 2,281,000 compared to 2,099,000 in 1920 and 2,107,000 in 1919. Total farm value was \$56,341,000 as compared with \$59,192,000 in 1920 and \$73,745,000 in 1919. The decrease in the value of this class was relatively smaller because of the large decline in the previous year. Average farm price per head of swine is estimated to have been \$24.70, as compared with \$28.20 in 1920, and \$35.00 in 1919.

Poultry to the number of 8,942,000 were utilized for meat in 1921 as compared with 8,351,000 in 1920 and 8,297,000 in 1919. Consumption on the farm was particularly larger than in previous years. Total farm value was \$8,262,000, as compared to \$9,854,000 in 1920 and \$9,625,000 in 1919. The average farm price of all poultry slaughtered or sold for slaughter is estimated at 92.4 cents per head, as compared with 118.0 cents in 1920, and 116.0 cents in 1919.

### VALUE OF MILK \$90,000,000 LESS THAN IN 1920

The farm value of milk produced represents 55.8% of the total livestock production as compared to 61.3% in 1920, and 60.5% in 1919. The greatest decrease occurred in this product with a decline of nearly \$90,000,000. Total value of milk was \$144,437,000 in 1921 as against \$232,894,000 in 1920 and \$251,003,000 in 1919. The number of producing cows in 1921 was estimated at 1,802,290 as compared with 1,820,990 in 1920 and 1,801,548 in 1919. Production per cow declined slightly over 100 pounds per year, or from 4,986 pounds in 1920 to 4,866 pounds in 1921. This was due largely to the unusually scant pastures of the late summer. Total production in 1921 was 87,680,000 hundredweight as compared to 90,804,000 in 1920 and 88,870,000 hundredweight in 1919. Average price of milk for the year was \$1.645 per hundredweight as compared to \$2.565 in 1920 and \$2.824 in 1919.

NOTE.—Attention is called to the fact that the figures here given refer to the PRODUCTION of live stock in 1921, 1920, and 1919. The figures in the February issue referred to the numbers of live stock ON HAND on January 1, 1922, 1921, and 1920.

### EGGS, WOOL AND HONEY ALL DECREASE IN QUANTITY

Egg production is estimated at 74,975,000 dozen as compared to 75,565,000 in 1920 and 74,304,000 in 1919. Average production per hen is estimated at 82 eggs as compared to 85 in each of the two previous years. Value is estimated at \$21,218,000 as compared to \$32,493,000 in 1920 and \$29,722,000 in 1919. Average price was 28.3c per dozen as compared to 43.0c in 1920 and 40.0c in 1919.

The Wisconsin wool clip in 1921 is estimated at 2,818,000 pounds as compared to 3,219,000 in 1920 and 3,310,000 in 1919. Total value was \$527,000 compared to \$773,000 in 1920 and \$1,754,000 in 1919. Average price per pound in 1921 was 18.7c; in 1920, 24.0c; and in 1919, 53.0c.

Production of honey is estimated at 4,728,000 pounds valued at \$902,000 as compared to 5,281,000 pounds in 1920 valued at \$1,452,000, and 5,424,000 pounds in 1919 valued at \$1,356,000. The average price of honey per pound is estimated at 19.1 cents, as compared with 27.5 cents in 1920, and 25.0 cents in 1919.

### FARM STOCKS OF GRAIN March 1, 1922, with comparisons.

Crop	Farm Stocks, March 1			Shipments Out of County Where Grown		
	Thousands of Bushels			Thousands of Bushels		
	1922	1921	1920	1922	1921	1920
Corn.....	28,270	27,681	25,407	974	1,786	1,694
Oats.....	23,025	47,479	28,987	3,837	14,028	9,401
Barley.....	2,873	5,257	3,835	1,277	3,186	3,014
Wheat.....	703	1,567	1,671	562	1,516	2,659
Rye.....	1,046	1,417	1,338	2,093	3,666	4,682
Five crops.....	55,917	83,401	61,238	8,743	24,212	36,450

### FARM GRAIN STOCKS ON MARCH 1 MUCH BELOW AVERAGE

Stocks of grains on farms on March 1 were 27,000,000 bushels less than a year ago. Total stocks this year totaled 55,917,000 bushels as compared with 83,401,000 a year ago and 61,238,000 in 1920. Stocks of corn are slightly greater than last year, while stocks of small grains are approximately only half as large as last year. Shipments of grain are also much less than for the 1920 crop. The small crops of small grains in 1921, combined with the more general feeding of home grown grains in preference to purchased feeds, has greatly reduced the surplus on farms.

**Corn:**—It is estimated that 29% of the 1921 corn crop was still on farms on March 1 as compared to 31% in 1921 and a 5-year average of 20.4%. Expressed in bushels this represents a reserve of 28,270,000 bushels. Approximately half of this is, however, in the form of silage. Reserves in 1921 and 1920 were respectively 27,681,000 bushels and 25,407,000 bushels.

In spite of the large corn crop in 1921, only 1% has been or will be shipped out of the county where grown. This compares with 2% for each of the past two crops.

While the fall of 1921 was unusually favorable for the ripening of corn, there was considerable damage from the corn ear worm. The percentage of the crop which was of merchantable quality is estimated at 86%, compared to 84% in 1920 and 88% in 1919.

**Oats:**—Farm stocks of oats are estimated at 23,025,000 bushels (36% of the 1921 crop) as compared with 47,479,000 bushels a year ago (44% of the 1920 crop) and 28,987,000 bushels two years ago. (37% of the 1919 crop). The 5-year average is 36,508,000 bushels (40.5%). Only 6%, or 3,837,000 bushels, of the 1921 crop will be shipped as compared with 13% (14,028,000 bushels) of the 1920 crop, 12% (9,401,000 bushels) of the 1919 crop, and a 5-year average of 17.3% (15,566,000 bushels).

**Barley:**—Farm stocks of barley totaled 2,873,000 bushels as compared with 5,257,000 a year ago, 3,835,000 in 1920, and a 5-year average of 5,486,000 bushels. This year 27% of last year's crop remained on March 1st; in 1921, 33%. in 1920, 28%; while the 5-year average is 27.3%.

Of the 1921 crop, about 12% (1,277,000 bushels) will be shipped as compared with 20% (3,186,000 bushels) of the 1920 crop; 22% (3,014,000 bushels) of the 1919 crop, and a 5-year average of 36.6% (7,366,000 bushels).

**Wheat:**—Wheat reserves on farms on March 1 were 703,000 bushels (25% of the crop) as compared with 1,567,000 last year (31% of the 1920 crop), 1,671,000 bushels two years ago (22% of the 1919 crop), and a 5-year average of 1,303,000 bushels (24.1% of the previous years' crops).

Only 20% (562,000 bushels) of the Wisconsin wheat crop of 1921 will be shipped out of the county where grown as compared to 30% (1,516,000 bushels) of the 1920 crop, 35% (2,659,000 bushels) of the 1919 crop, and a 5-year average of 32.8% (1,776,000 bushels).

**Rye** is a more strictly cash crop in Wisconsin than the other grains, but only 44% of the 1921 crop will be shipped as compared to 60% last year. On March 1, 1,046,000 bushels (22% of 1921 production) were still left on farms as compared with 1,417,000 bushels a year ago (23% of the 1920 crop).

### UNITED STATES

Stocks of corn on farms in the United States on March 1 totalled 1,313 million bushels (42.6% of the 1921 crop) as compared with 1,565 million (48.8% of the 1920 crop), and a 10-year average of 36.7% of the previous years' crops.

It is estimated that 87.5% of the 1921 crop was of merchantable quality as compared with 87.0% last year and a 10-year average of 80.7%.

Of the 1921 crop, it is estimated that 591 million bushels (19.2%) will be shipped out of the county where grown as compared to 692 million (21.4%) of the 1920 crop, and a 10-year average of 19.0%.

**Wheat:**—On March 1 about 131 million bushels of the 1921 wheat crop remained on farms. This represents 16.5% of last year's crop. Last year 217 million bushels remained (26.1%) of the 1920 crop). The 10-year average is 19.3%.

Of the 1921 crop, 61.6% or 489 million bushels will be shipped out of the county where grown as compared to 460 million bushels (58.4% of the 1920 crop), and a 10-year average of 57.6%.

**Oats:**—Stocks on March 1 were estimated at 404 million bushels (38.4% of the 1921 crop) as compared with 690 million last year (45.2% of the 1920 crop), and a 10-year average of 36.2% of the previous years' crops.

The portion of the oats crop shipped will be 253 million bushels (23.9% of last year's crop) as compared to a 10-year average of 29.0%.

**Barley** on farms is estimated to be 41 million bushels (27.2% of the 1921 crop) as compared to 70 million last year (34.6% of the 1920 crop) and a 10-year average of 22.8%.

Barley to be shipped represents 36.1% (55 million bushels) of last year's crop, as compared with 36.4% of the 1920 crop and a 10-year average of 45.5%.

### LAND VALUES

The average per-acre value of all Wisconsin farm lands with improvements on March 1, 1922, is estimated at \$114. Last year the average value was estimated to be \$126 as compared to \$130 in 1920 and \$109 in 1919. Average value per acre without improvements is estimated at \$78, compared to \$84 last year, \$90 in 1920 and \$80 in 1919.

The average value of plow lands is given at \$87 per acre, compared to \$95 last year, \$100 in 1920 and \$89 in 1919. The range of prices of plowlands this year was \$58 for poor plowlands to \$110 for good plowlands. Last year the range was \$62 to \$122; in 1920, \$66 to \$125; and in 1919, \$60 to \$119.

Average value per acre of cut-over lands is estimated at \$23, compared to \$26 last year and \$28 in 1920.



# WISCONSIN MONTHLY CROP AND LIVESTOCK REPORTER

## MILK PRODUCTION AND FARM VALUE, HORSES AND MULES ON FARMS, LAND VALUES PER ACRE, AND GRAIN STOCKS ON MARCH 1, 1922.

Counties	Milk Production in Cwt.		Farm Value Milk in Dollars		Horses and Mules			Land Values per Acre			Per Cent of 1921 Crop on Farms March 1				
	1921	1920	1921	1920	Jan. 1 1922	Jan. 1 1921	Jan. 1 1920	Farm land with improvements	All plow land	Out over land	Corn	Oats	Barley	Rye	Wheat
Northwestern Dist.	12,967,342	13,353,236	21,612,966	34,691,221	112,515	111,106	112,966				25.5	30.2	22.1	16.6	13.7
Barron	1,922,865	2,003,090	3,064,900	5,183,905	14,179	14,087	14,323	\$108	\$82	\$34	28	29	20	19	4
Bayfield	346,270	343,876	659,850	925,276	3,532	3,332	3,173	80	45	20	30	30	10	15	5
Burnett	492,521	526,392	815,768	1,320,408	4,831	4,880	5,031	62	40	18	21	11	5	9	14
Chippewa	1,696,199	1,734,820	2,875,319	4,708,944	13,080	13,003	13,360	98	75	26	29	44	30	26	16
Douglas	313,280	298,953	621,696	894,954	2,785	2,677	2,651	70	70	25	22	32	25	13	30
Dunn	1,712,891	1,771,588	2,749,084	4,401,488	13,666	13,551	14,243	92	65	24	30	37	27	18	20
Eau Claire	861,632	942,975	1,437,704	2,502,027	9,674	9,569	9,765	85	58	20	24	34	22	23	6
Pierce	1,200,517	1,225,544	2,349,864	3,299,887	12,270	12,030	12,275	98	68	30	22	30	20	10	19
Polk	1,663,390	1,730,178	2,542,308	4,406,600	12,948	12,820	12,847	102	70	26	21	32	27	20	21
Rusk	484,111	469,142	768,634	1,212,836	4,636	4,540	4,371	80	65	24	18	16	27	8	3
St. Croix	1,728,606	1,834,164	2,975,874	4,719,910	15,035	14,896	15,346	120	92	33	23	38	35	28	10
Sawyer	138,540	138,794	220,222	338,546	1,906	1,869	1,760	68	65	21	10	13	8	5	2
Washburn	336,520	333,720	531,773	8,640,400	3,975	3,936	3,821	52	48	17	28	19	12	17	12
Northern District	7,400,192	7,759,130	11,244,528	18,414,802	50,095	49,968	50,273				18.5	24.6	15.6	15.5	17.9
Ashland	263,205	271,362	414,337	715,757	2,558	2,458	2,410	58	48	19	10	31	10	20	20
Clark	2,552,979	2,700,672	3,758,327	6,071,643	15,040	15,192	15,502	96	72	28	22	22	22	5	18
Iron	82,110	81,566	155,318	237,881	730	720	716	65	45	17	12	25	15	10	22
Lincoln	520,676	544,362	778,740	1,279,933	3,760	3,753	3,679	90	66	17	15	30	25	10	16
Marathon	2,643,435	2,800,096	3,922,056	6,636,956	16,954	17,125	17,474	110	75	29	26	37	21	10	23
Oneida	124,288	128,198	221,744	343,464	1,643	1,595	1,579	70	54	17	10	17	10	5	10
Price	432,276	430,414	704,283	1,069,362	3,567	3,497	3,395	85	64	17	15	24	16	0	20
Taylor	726,383	744,440	1,189,523	1,854,440	5,060	4,880	4,784	90	61	18	14	12	8	12	3
Vilas	54,840	58,020	100,200	156,272	783	748	734	70	45	17	20	16	5	0	2
Northeastern Dist.	5,220,461	5,356,908	7,611,516	12,538,330	38,494	39,124	39,788				29.0	27.0	23.8	23.2	14.2
Door	862,254	902,984	1,266,275	2,257,683	6,036	6,062	7,013	100	68	30	22	23	10	20	12
Florence	84,258	87,234	145,836	235,446	814	789	754	65	45	16	10	5	5	25	5
Forest	88,732	87,696	140,624	232,111	1,158	1,136	1,082	60	45	17	15	14	8		14
Langlade	559,873	564,753	881,861	1,287,062	4,740	4,734	4,552	70	50	18	18	25	18		16
Marquette	724,721	739,803	1,076,932	1,777,426	6,190	6,189	6,252	70	50	22	19	25	20	11	20
Oconto	1,093,665	1,134,806	1,534,997	2,605,536	8,086	8,168	8,335	84	54	21	38	36	27	28	20
Shawano	1,806,958	1,839,632	2,564,961	4,143,636	11,470	11,446	11,800	90	58	23	24	29	29	24	9
Western District	7,940,966	8,386,872	13,662,887	21,924,295	73,226	74,900	77,909				26.0	35.6	28.1	17.5	24.5
Buffalo	1,128,189	1,160,435	1,836,349	2,944,945	11,005	11,464	11,698	102	78	30	29	34	38	30	29
Jackson	914,324	942,738	1,456,211	2,311,921	8,966	9,468	10,072	74	46	18	20	33	21	19	13
La Crosse	1,102,307	1,140,579	2,284,272	3,298,614	7,566	7,902	8,231	140	92	37	29	37	25	15	19
Monroe	1,556,772	1,643,502	2,701,163	4,300,107	12,211	12,589	13,114	102	68	22	27	33	27	15	13
Poplin	339,724	333,724	572,187	844,592	4,023	3,944	4,196	80	60	18	15	35	19	23	21
Trempealeau	1,380,768	1,454,580	2,378,496	3,771,914	13,830	14,112	14,700	98	73	34	26	38	40	21	26
Vernon	1,518,882	1,711,314	2,434,209	4,382,202	15,575	15,421	15,898	105	85	32	29	39	27	4	37
Central District	7,166,265	7,351,580	11,591,075	18,481,412	61,762	63,578	65,707				28.5	33.6	22.7	23.7	21.1
Adams	344,353	390,967	515,444	851,497	5,316	5,369	5,479	49	28	10	36	36	24	26	8
Green Lake	685,168	706,890	1,047,649	1,721,556	5,818	6,124	6,446	95	65	30	35	52	27	23	38
Juneau	833,585	828,802	1,289,177	2,035,764	7,889	8,050	8,355	70	44	20	30	30	20	10	12
Portage	934,050	956,617	1,558,245	2,387,338	5,566	10,177	10,385	85	46	16	28	30	20	21	22
Marquette	492,136	515,166	818,962	1,239,636	5,037	5,140	5,468	70	44	23	20	20	20	21	12
Waupaca	1,811,565	1,863,960	3,010,437	4,930,380	11,400	11,753	11,872	108	72	38	32	32	46	32	34
Waushara	789,740	799,138	1,282,839	1,988,007	7,661	7,980	8,313	65	42	25	28	32	22	24	28
Wood	1,275,668	1,320,070	2,068,322	3,327,214	9,075	9,895	9,359	97	69	30	22	31	19	19	10
Eastern District	19,658,217	20,175,962	31,591,435	51,043,426	121,046	123,972	128,533				31.5	42.8	33.1	34.2	34.1
Brown	1,595,868	1,670,366	2,522,794	4,360,220	10,446	10,881	11,334	140	105	40	35	48	45	52	46
Calumet	1,187,674	1,202,400	1,958,101	3,185,392	7,489	7,565	8,048	175	130		35	43	30	32	40
Dodge	3,317,637	3,384,177	5,248,207	8,533,355	18,959	19,545	20,149	172	128		31	46	40	42	34
Fond du Lac	2,553,232	2,590,004	4,112,842	6,375,820	16,313	16,478	16,814	147	108		25	32	22	23	27
Kewaunee	937,414	1,010,639	1,451,767	2,466,679	7,111	7,256	7,558	120	90		30	36	15	18	15
Manitowoc	2,083,068	2,132,684	3,302,179	5,357,515	12,861	13,259	13,811	168	120		28	43	32	33	25
Outagamie	1,942,060	2,005,690	3,040,992	4,989,076	11,429	11,905	12,654	135	98	35	30	35	39	24	50
Ozaukee	939,348	952,387	1,741,285	2,588,405	5,682	5,798	5,916	188	136		41	46	34	20	52
Sheboygan	2,119,458	2,144,763	3,272,997	5,465,674	11,612	11,840	12,215	172	122		35	46	31	25	14
Washington	1,485,910	1,545,527	2,468,640	3,934,886	9,502	9,659	10,061	184	128		29	46	25	39	37
Winnebago	1,496,479	1,536,316	2,411,630	3,756,314	9,582	9,777	9,976	152	120		37	49	38	35	40
Southwestern Dist.	6,913,604	6,987,043	11,043,000	16,670,376	63,166	64,132	66,651				26.5	39.4	25.4	25.0	25.5
Crawford	756,963	731,160	1,180,674	1,673,799	8,752	8,665	9,218	95	68	33	19	30	18	10	20
Grant	1,564,064	1,592,863	2,548,804	3,824,868	20,805	21,321	21,970	152	115		27	42	27	14	27
Lafayette	1,372,372	1,394,017	2,301,330	3,422,814	11,880	12,122	12,497	160	116		34	51	32	30	44
Iowa	1,652,790	1,692,443	2,513,040	4,004,099	11,759	12,123	12,759	145	112		19	35	19	22	17
Richland	1,567,415	1,576,560	2,499,152	3,744,796	9,880	9,901	10,207	121	96	45	30	36	29	25	22
Southern District	11,094,187	11,490,340	18,464,644	30,184,126	82,757	84,182	87,145				31.2	35.4	28.0	20.5	25.5
Columbia	1,408,308	1,407,127	2,239,644	3,550,544	14,750	14,479	15,061	108	90		27	36	28	25	28
Dane	3,697,264	3,745,037	5,870,160	9,793,434	26,432	27,249	27,805	158	124		30	30	30	5	26
Green	2,110,220	2,244,953	3,454,028	5,567,900	11,101	11,213	11,500	162	116		30	35	24	21	20
Rock	1,938,762	2,102,663	3,628,422	5,938,188	16,678	17,018	17,727	162	134		44	44	32	25	23
Sauk	1,949,633	1,990,560	3,272,390	5,304,000	13,796	14,223	14,972	152	105		29	39	28	27	26
Southeastern Dist.	9,318,923	9,942,517	17,615,387	28,946,100	56,569	56,452	58,653				38.0	43.6	32.3	26.2	29.6
Jefferson	2,387,921	2,551,050	4,221,364	6,864,906	11,678	12,039	12,285	142	112		43	46	42	34	37
Kenosha	811,610	873,378	1,557,089	2,640,826	6,578	6,386	6,583	150	108		41	42	35	23	18
Milwaukee	608,133	634,068	1,276,504	2,089,562	5,656	5,771	6,074	180	130		38	46	38	50	30

## FARM LABOR

The number of hired hands on Wisconsin farms showed a further decrease during January and February.

The inquiry concerning the numbers of hired farm hands, which is made in cooperation with the Wisconsin Industrial Commission showed the following results:

## Hired Farm Hands

March 1, 1922.....	52
Feb. 1, 1922.....	55
Jan. 1, 1922.....	56
Jan. 1, 1921.....	60
July 1, 1920.....	100

In other words, there are now only slightly above one-half as many hired hands on Wisconsin farms as on July 1, 1920, and about 18% less than on January 1 of this year.

## WISCONSIN RANKS FOURTH IN LIVESTOCK VALUES

Wisconsin in 1922 was again fourth among the States in the aggregate value of livestock. Only Iowa, Texas, and Illinois exceed her in total valuation. Figures compiled by the U. S. Bureau of Markets and Crop Estimates show a total value for cattle, swine, sheep, and horses, of 212 million dollars, compared to 337 million for Iowa, 315 million for Texas, 242 million for Illinois, and 205 million for Minnesota. In 1921 Wisconsin ranked fourth, in 1920, fifth; in 1919, ninth; in 1918, eighth, and in 1917, seventh. The more staple values of dairy cattle have enabled Wisconsin to increase her rank in livestock values.

# SEMI-MONTHLY CROP NOTES FOR FEBRUARY 16-28, 1922, AS REPORTED BY THE BUREAU'S AGRICULTURAL STATISTICIANS IN THE DIFFERENT STATES

## General Crop Summary

Crop conditions for the last half of February are covered in reports received by the Bureau of Markets and Crop Estimates, United States Department of Agriculture, from its Field Agricultural Statisticians in the different States.

**Corn:**—Plowing and preparation of soil for planting is in progress in several States. Seed corn is being tested in Indiana and the supply of seed corn is reported ample in Mississippi. Some of the seed corn in Illinois is reported to be infested with disease and careful selection is being urged upon farmers. Prices are higher in general and surplus is being marketed more freely, although in some sections there is a tendency to hold stocks for further increase in prices.

**Winter Wheat and Rye:**—The condition of the winter wheat in Kansas has been improved by increased supply of moisture, although growth has been retarded by cold. Lack of moisture has resulted in a poor condition of the

crop in parts of Nebraska, Colorado and New Mexico. Some damage from alternate freezing and thawing is reported in Illinois, Indiana and Ohio. Conditions are reported favorable in central Iowa, Georgia, North Carolina, and Virginia. Lack of snow cover in the southern parts of Iowa and Wisconsin is detrimental to the growth of crop. The condition of winter rye is generally favorable in the central States, although some injury from alternate freezing and thawing is reported. In eastern Colorado the condition is below normal due to an insufficient supply of moisture. Injury from an ice sheet covering is feared in southern Wisconsin.

**Cotton:**—The general tendency indicates an increased acreage of cotton. Preparation of land for planting is in progress in Oklahoma and Texas and some planting has been done in southern Texas and Florida. All seed for planting in New Mexico is being treated for destruction of the pink boll-worm. A heavy demand for improved seed is reported in Georgia.

**Potatoes:**—Planting of Irish potatoes is in progress in the southern States and in some instances an increased acreage is reported. Shipments and marketing of crop in northern States is retarded by low prices and bad condition of roads. An increased interest in seed potatoes is manifested in Oklahoma and Mississippi.

Sweet potato beds are being planted in Florida. An increased acreage in South Carolina is expected. New storage houses are being planned in Arkansas and Louisiana.

**Fruit:**—The prospect of the orchard fruit is generally favorable. Some injury to fruit buds in southern Wisconsin has resulted from heavy ice coating following mild weather. Some fruit blossoms are reported in Mississippi and Tennessee and almond trees are beginning to blossom in California. Increased interest in strawberry growing is reported in Arkansas and the coastal counties of Mississippi.

**Livestock, Hay and Pastures:**—Livestock is generally in good condition and health. Losses have been light. A good demand for stocker hogs and brood sows is reported in many sections. Prices are generally higher and sales of sheep and hogs are more profitable. Interest in cooperative marketing of dairy products is manifested in Louisiana and a better grade of dairy cattle is being shipped in. A considerable increase in the number of poultry is reported in Arkansas.

Seeding of clover is in progress in some parts of Illinois and a heavy demand for high grade clover seed is reported.

Some injury to clover and alfalfa fields is reported in Indiana and Wisconsin because of the unfavorable weather conditions. Pastures and ranges are improved generally by increased supply of moisture.

**Farm Labor:**—The supply of farm labor is generally plentiful at low wages. The demand for laborers is limited by low prices of farm produce and lack of finances. Men from cities are seeking employment on farms in Michigan but wood cutting is practically the only work offered.



# WISCONSIN MONTHLY CROP AND LIVESTOCK REPORTER

JOSEPH A. BECKER, Agricultural Statistician

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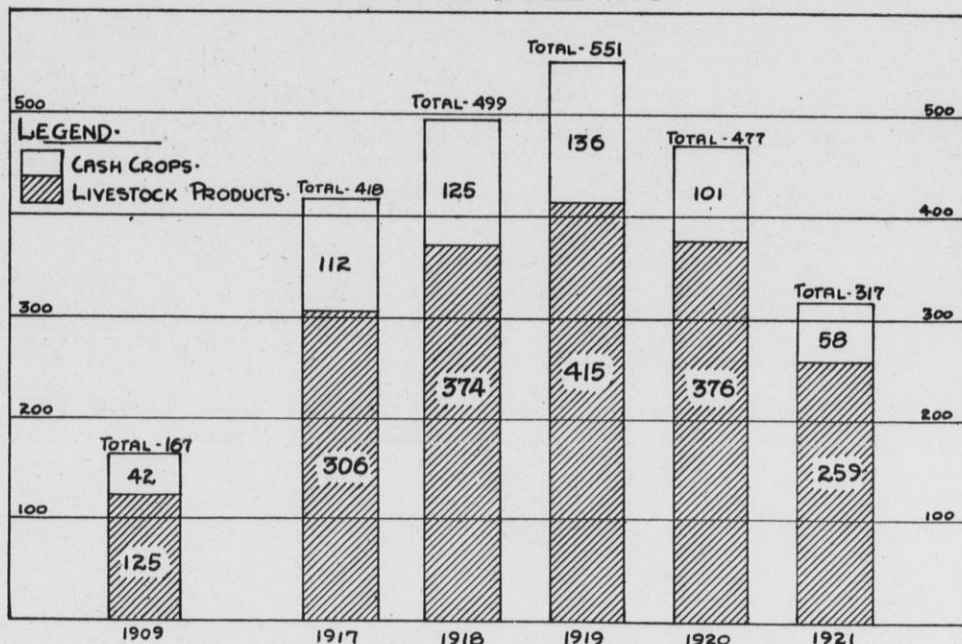
State Capitol, Madison, Wisconsin

April, 1922

## GROSS INCOME WISCONSIN FARMS, THOUSANDS OF DOLLARS, 1921, WITH COMPARISON.

	1921	1920	1919	1918	1917	1909
Value all crops.....	\$189,083	\$329,386	\$399,647	\$377,192	\$333,179	\$131,199
Less crops fed to stock.....	131,117	228,297	263,506	252,017	221,264	89,115
Value cash crops.....	\$ 57,966	\$101,089	\$136,141	\$125,175	\$111,915	\$ 42,084
Value livestock products.....	258,742	375,720	415,050	374,230	306,820	125,025
Total or gross farm income.....	\$316,708	\$476,809	\$551,191	\$499,405	\$418,735	\$167,109
Livestock products, per cent of gross income.....	81.7	78.8	75.3	74.9	73.3	74.9
Per cent of 1909:						
All crops.....	144	251	305	288	254	100
Cash crops.....	138	240	323	297	266	100
Livestock products.....	207	301	332	300	245	100
Gross income.....	189	286	330	299	251	100

## • GROSS INCOME OF WISCONSIN FARMS • • MILLIONS OF DOLLARS •



Wisconsin Farmers' Income Falls Below 1917 Level.

### FARM INCOME \$160,000,000 LESS

The gross income of Wisconsin farms in 1921 was 160 million dollars less than in 1920, and 234 million less than in 1919. Gross income is estimated at \$316,708,000 as compared with \$476,809,000 in 1920, \$551,191,000 in 1919, \$499,405,000 in 1918, \$418,735,000 in 1917 and \$167,109,000 in 1909. While figures are not available for pre-war years (1912-14) it is probable that farm income in 1921 was as small as or even smaller than in those years.

It will be noted that livestock values have held up much better than crop values. The index of the former in 1921 was 207% of 1909; of the latter, 144%.

The portion of the farm income attributable to livestock has increased constantly since 1917, and in 1921 was the highest ever known, or 81.7% of the total income.

As pointed out in last month's issue, the greatest decline occurred in the value of milk. This was to be expected since milk is the most valuable Wisconsin farm product. In 1921 milk represented 55.8% of the value of livestock products and 45.6% of the value of all farm products. The

NOTE:—The gross farm income as presented here represents the total value of farm production regardless of utilization, i. e., whether sold off or consumed on the farm. It does not include changes due to increase or decrease in inventory value of farm property. The gross income is made up of the total value of all crops produced less the value of that portion fed to livestock, plus the total value of livestock products. The prices used are average yearly prices (as closely ascertained as possible) which the farmer received for those portions of the products sold. These prices are applied to the figures for total production.

farm value of milk held up much better in 1920, when other products declined appreciably. In 1920 the value of milk represented 62% of the value of livestock products and 48.8% of all farm products.

#### APRIL CROP REPORT

Winter grains and grasses declined appreciably in condition since they entered the winter. Winter wheat and clover were particularly affected, while rye declined but slightly. Adverse weather late in February and early in March was largely responsible.

**WINTER WHEAT:**—With a planted acreage of 104,000, and assuming an average abandonment, a production of 1,922,000 bushels of winter wheat is forecasted for 1922, compared to 1,424,000 bushels in 1921 and a 5-year average of 1,728,000 bushels. Condition on April 1 was 85%, compared with 94% on December 1 last, 90% a year ago, and a 10-year average of 84%. Much of the winter wheat acreage in Wisconsin is located in the southern and eastern districts of the State, where ice and sleet of February caused much damage to crops.

**United States:**—The United States crop of winter wheat is estimated at 573 million bushels, compared to 587 million last year, 611 million in 1920 and a 5-year average of 579 million bushels. Condition on April 1 was 78.4% of normal, compared to 76.0% on December 1 last, 91.0% a year ago and a 10-year average of 84.3%. Planted acreage was estimated last fall at 44,293,000 acres, compared to 44,847,000 the previous fall. An average abandonment is assumed.

**RYE:**—The Wisconsin rye crop suffered less than did winter wheat. This is due largely to the fact that most of the acreage is located in central and northern counties, where there was a protective covering of snow throughout the winter. Forecasted production is given at 6,625,000 bushels, compared to 4,756,000 bushels in 1921 and a 5-year average of 6,041,000. Condition on April 1 was 92% of normal, compared to 95% on December 1 last, 88% a year ago, and a 10-year average of 91%. Planted acreage was estimated in December at 377,000, compared to 328,000 in 1921 and a 5-year average of 360,000 acres.

**United States:**—The United States crop of rye is forecasted at 70 million bushels, as compared to 58 million in 1921, 60 million in 1920, and a 5-year average of 66 million bushels. Condition on April 1 was 89.0%, compared to 92.2% on December 1 last, 90.3% a year ago, and a 10-year average of 88.5%. Planted acreage was estimated at 5,184,000 acres, compared to 4,228,000 in 1920.

**MEADOWS:**—Condition of hay meadows is reported at 87% of normal as compared to 84% a year ago. Condition in the northern counties is higher than in the southern half of the State.

**BREEDING SOWS MORE NUMEROUS:**—The number of brood sows on Wisconsin farms this spring is estimated at 418,000, which is 6% greater than a year ago, and 4% greater than in the spring of 1920. Three successive good corn crops have stimulated hog raising in Wisconsin.

**United States:**—Brood sows in the United States number 12,424,000, which is 11.1% greater than last year.

**FARM LABOR:**—Supply of hired hands at current wages is reported at 108% of a year ago and 104% of normal, while the demand is 90% of last year and 91% of normal. This indicates that at current rates, the supply is 114% of the demand. Last year the supply was 102% of the demand as compared to 64% in 1920.

Number of hired hands on farms increased 27% during the past month. The inquiry concerning the number of

hired hands, which is made in co-operation with the Wisconsin Industrial Commission, shows the following index figures:

April 1, 1922.....	72.8
March 1, 1922.....	57.4
February 1, 1922.....	52.8
January 1, 1922.....	51.8
January 1, 1921.....	56.7
July 1, 1920.....	100.0

Many of the "crop season" hands begin work on April 1. The number increases seasonably from April to July.<sup>1</sup>

**United States:**—In the United States the supply of farm labor is 99.5% of normal, compared to 95.2% last year, while the demand is 89.3%, compared to 87.5% last year. This indicates the present supply to be 112% of the demand, compared to 109% last year and 69% in 1920.

#### POTATO STOCKS, MARCH 1, 1922

About 6,500 cars of potatoes remained to be shipped on Wisconsin farms and in warehouses on March 1, according to the special March 1 commercial potato report. This represents about 40% of the commercial production of 1921. About 7,500 cars have been shipped to date. Of the 16,000 cars produced (Nov. 1, 1921 estimate), it now appears that approximately 2,000 cars have been diverted from the carlot trade to local consumption in villages and cities in the potato section of the State.

Potatoes in storage are reported 60% in good condition, 33% fair, and 7% excellent.

Of the agricultural crop, or a total of 21,420,000 bushels, in 1921, it is estimated that 45%, or 9,639,000 bushels has been or will be sold off farms of the State. On March 1, 60% of these or 5,763,000 bushels had been moved and 3,856,000 bushels were still left to be marketed. It is estimated that there are 636,000 bushels stored in warehouses of the State, of which dealers own 75%, or 477,000 bushels, and farmers 159,000 bushels. Including potatoes both in warehouses and on farms, a marketable surplus of 4,492,000 bushels still remain. In addition, it is estimated that there are 3,000,000 bushels reserved for seed and 900,000 bushels for farm consumption still on farms.

**United States:**—Of the United States crop of 347 million bushels, it is estimated that on March 1 a marketable surplus of 31 million bushels remained in the fifteen leading Northern potato states. This represents 20% of a total surplus production (over farm needs) of 150 million bushels. 80%, or 119 million bushels, had been moved by March 1. Dealers held 17 million bushels, and farmers 14 million bushels of marketable stock. In addition, farmers held 59 million bushels for seed and home use.

The crop was unusual in that the large importing states (Pennsylvania, Maryland, Virginia, West Virginia, Ohio, Indiana, Illinois, Iowa, Missouri and Kentucky) had an unusually short crop and were forced to import unusually large quantities. On the other hand, a number of the large surplus states, notably Maine, North Dakota and Colorado had exceptionally large crops. Moreover, in some of the surplus states like New York, Michigan and Minnesota, production in the commercial sections were heavy; in the non-commercial, short of requirements. All in all, the condition has caused a large carlot movement in the face of a small total production.

**OTHER STATES:**—Maine reports about 8,500 cars left to ship; Pennsylvania, 850; Michigan, 4,600; Minnesota, 2,500; North Dakota, 700; South Dakota, 1,500; Nebraska, 275; Montana, 500; Colorado, 3,500; Idaho, 3,000.

3,350 cars are reported on tracks and in warehouses in 14 principal consuming cities. This is slightly below usual for the time of year.

<sup>1</sup>Figures for farm labor have been revised since a month ago.



CONDITION OF CROPS, APRIL 1, 1922. TOTAL CROP ACREAGES AND VALUES, 1920 AND 1921. FARM PRICE OF LIVE STOCK, JAN. 1, 1922, COMBINED. FARM VALUES OF LIVESTOCK, JAN. 1, 1920-1922.

Counties	Crop Condition Per Cent of Normal			Area in 22 Principal Crops		Increase or Decrease (-)	Value of 19 Principal Crops		Farm Price Per Head Jan. 1, 1922					Total Value All Livestock		
	Winter Wheat	Rye	Meadows	1921, Acres	1920, Acres		1921, Dollars	1920, Dollars	Dairy Cows, Dollars.	Other Cattle Dollars.	Swine Dollars.	Sheep Dollars.	Horses Dollars.	Jan. 1, 1922.	Jan. 1, 1921.	Jan. 1, 1920.
Northwestern Dist.	91.9	94.9	90.6	1,504,127	1,477,188	26,939	23,931,854	43,372,322	47.50	15.00	10.10	4.50	88.50	31,776,658	41,322,151	52,178,609
Barron	93	96	94	172,599	168,264	4,335	3,527,013	5,703,384	57.00	16.00	10.70	4.70	94.00	4,711,559	5,742,937	7,127,669
Bayfield	96	96	89	40,072	37,321	2,751	876,342	1,308,016	48.00	17.00	10.20	4.80	108.00	954,992	1,161,822	1,363,268
Burnett	90	96	85	56,035	55,116	919	950,342	1,571,120	42.00	12.00	10.30	4.30	78.00	1,109,455	1,495,681	1,907,808
Chippewa	93	96	92	184,696	180,662	4,034	2,915,008	5,951,874	44.00	15.00	9.70	4.20	91.00	3,677,651	5,073,997	6,325,165
Douglas	96	97	93	36,848	34,778	2,070	696,852	1,256,815	54.00	15.00	9.80	4.50	100.00	815,926	959,149	1,111,171
Dunn	85	92	90	198,830	200,134	-1,304	2,739,260	5,076,052	44.00	14.00	9.90	5.20	87.00	3,949,320	5,473,715	6,930,507
Eau Claire	90	94	89	144,671	142,309	2,362	1,921,689	3,400,633	47.00	14.00	9.60	5.00	97.00	2,567,029	3,251,332	4,302,459
Pierce	87	89	85	173,054	174,536	-1,482	2,526,461	4,612,773	51.00	17.00	10.50	4.10	80.00	3,420,097	4,151,490	5,746,443
Polk	98	99	91	154,186	150,580	3,606	2,290,931	5,134,808	46.00	15.00	10.60	5.10	87.00	3,833,188	5,218,389	6,115,502
Rusk	92	91	98	38,973	35,632	3,341	937,137	1,428,471	42.00	14.00	10.10	5.00	89.00	1,155,946	1,435,414	1,802,221
St. Croix	92	98	97	235,929	236,776	-847	3,181,565	5,975,208	46.00	15.00	9.90	4.30	84.00	4,258,458	5,638,225	7,413,967
Sawyer	93	99	94	20,501	17,019	3,482	470,448	615,239	43.00	13.00	10.20	4.10	85.00	397,987	513,211	605,954
Washburn	89	94	90	47,733	44,061	3,672	898,806	1,337,929	50.00	13.00	10.30	4.20	81.00	925,050	1,206,789	6,426,485
Northern District	96.1	98.2	96.7	570,929	552,960	17,969	11,217,007	19,615,484	43.90	15.80	10.90	4.40	98.40	15,408,724	21,023,606	26,909,488
Ashland	96	96	91	30,500	29,470	1,030	487,837	981,406	40.00	14.00	10.20	5.10	91.00	623,936	905,130	1,055,737
Clark	99	99	91	168,333	164,996	3,337	3,232,560	5,485,433	43.00	16.00	10.50	4.60	86.00	4,707,676	6,855,157	9,039,756
Iron	92	92	90	11,650	10,605	1,045	276,466	410,155	46.00	14.00	11.00	4.70	104.00	213,884	308,295	337,452
Lincoln	93	93	92	42,277	40,361	1,916	742,962	1,558,449	41.00	16.00	11.40	4.80	108.00	1,136,164	1,572,902	1,890,065
Marathon	93	98	98	203,288	199,213	4,075	3,516,138	6,641,872	46.00	17.00	11.10	4.20	106.00	5,641,315	7,238,326	9,468,542
Oneida	96	99	92	26,032	24,511	1,521	769,879	1,371,923	48.00	17.00	11.40	4.10	100.00	400,117	515,561	630,274
Price	99	102	100	30,241	28,331	1,910	753,491	1,020,475	41.00	14.00	11.50	4.30	95.00	957,755	1,322,352	1,632,127
Taylor	98	98	98	48,761	46,599	2,162	1,190,438	1,668,407	44.00	14.00	11.50	4.40	103.00	1,548,141	2,074,603	2,582,138
Vilas	96	99	99	9,847	8,874	973	247,236	477,366	41.00	16.00	11.00	4.50	108.00	179,736	231,280	273,397
Northeastern Dist.	91.0	93.0	85.2	551,706	531,752	19,954	10,599,253	18,151,831	41.80	14.50	10.60	3.90	105.70	11,097,650	14,374,334	19,216,099
Door	87	84	79	111,690	110,490	1,500	1,853,403	2,219,411	40.00	14.00	10.20	4.00	92.00	1,625,639	2,294,041	3,030,333
Florence	92	95	85	11,419	10,496	923	265,361	522,380	45.00	15.00	10.40	4.30	112.00	242,424	330,601	381,738
Forest	98	97	89	15,418	13,730	1,688	358,902	577,562	44.00	14.00	10.80	4.30	114.00	291,768	373,588	449,306
Langlade	92	95	85	55,672	52,252	3,420	1,545,112	1,886,991	40.00	14.00	10.80	3.60	112.00	1,316,794	1,675,439	2,281,480
Marquette	86	94	72	85,961	81,538	4,423	1,892,256	3,144,500	45.00	14.00	11.10	4.40	114.00	1,809,192	2,154,724	2,813,202
Oconto	90	91	87	123,800	119,385	4,415	2,231,662	4,136,026	39.00	15.00	10.40	3.80	108.00	2,251,659	2,994,748	4,001,531
Shawano	96	99	95	147,446	143,861	3,585	2,422,557	4,664,901	43.00	15.00	10.50	3.60	103.00	3,560,174	4,551,193	6,258,509
Western District	87.4	92.1	88.8	997,029	999,144	-2,115	18,058,579	33,107,746	46.70	16.40	10.40	4.20	86.60	21,010,770	25,838,970	36,754,049
Buffalo	88	93	92	150,620	150,771	-151	2,226,862	4,266,726	44.00	16.00	10.70	4.30	86.00	3,206,965	4,037,906	5,733,117
Jackson	85	87	82	135,656	135,244	412	1,733,002	3,587,093	40.00	15.00	10.20	3.70	90.00	2,365,900	2,847,260	4,414,864
La Crosse	99	99	91	104,014	104,451	-437	2,019,871	3,349,522	59.00	23.00	11.00	4.80	96.00	3,044,698	3,644,486	4,914,251
Monroe	89	92	85	171,058	171,472	-414	3,064,586	5,493,212	50.00	15.00	10.50	4.30	87.00	3,880,937	4,651,592	6,572,353
Pepin	80	91	92	58,090	57,962	128	912,695	1,440,784	38.00	14.00	9.90	4.20	80.00	900,908	1,138,075	1,629,942
Trempealeau	80	86	92	194,076	194,189	-113	3,159,728	5,330,129	44.00	16.00	10.40	4.40	82.00	3,628,043	4,667,446	6,371,487
Vernon	90	99	91	183,515	185,055	-1,540	4,941,835	9,640,280	46.00	16.00	9.70	3.90	86.00	3,984,219	5,031,635	7,118,005
Central District	91.1	93.4	89.6	946,211	961,329	-15,118	15,752,416	28,809,334	45.40	17.60	9.90	4.00	91.50	16,553,630	19,809,070	27,790,490
Adams	87	87	95	86,427	89,263	-2,836	1,166,702	1,938,721	39.00	16.00	9.30	3.60	85.00	994,534	1,206,668	1,686,444
Green Lake	88	92	91	101,578	101,746	-168	1,893,313	3,185,113	42.00	20.00	9.40	3.90	96.00	1,703,506	2,160,508	3,025,859
Juneau	86	85	87	109,264	111,385	-2,121	1,962,491	3,071,856	40.00	16.00	9.60	3.80	84.00	1,955,731	2,318,038	3,325,479
Portage	96	93	83	164,068	169,520	-5,452	2,557,758	4,889,754	46.00	17.00	10.20	3.80	90.00	2,279,659	2,648,984	3,811,775
Marquette	89	94	89	76,414	79,815	-3,401	1,390,289	2,589,370	40.00	16.00	10.20	3.90	92.00	1,232,708	1,468,187	2,291,417
Waupaca	94	97	84	162,347	163,256	-909	3,232,287	6,084,820	54.00	21.00	10.40	5.10	103.00	3,987,758	4,710,494	6,700,436
Wausara	90	96	90	137,550	140,807	-3,257	1,852,788	3,532,188	43.00	16.00	10.10	3.80	88.00	1,784,735	2,093,529	3,083,637
Wood	95	98	94	108,563	105,537	3,026	1,696,783	3,217,512	45.00	16.00	9.70	4.10	89.00	2,614,459	3,202,662	4,805,423
Eastern District	84.0	91.1	86.8	1,804,186	1,802,279	1,907	38,934,393	68,062,161	59.90	27.00	10.80	4.60	104.20	46,729,741	54,389,988	77,328,168
Brown	93	94	89	163,013	163,081	-68	3,075,895	5,656,569	51.00	21.00	11.10	4.90	100.00	3,452,585	4,173,407	5,925,978
Calumet	83	92	90	106,957	106,285	672	2,439,679	4,473,421	58.00	24.00	10.80	5.00	105.00	2,756,467	3,054,136	4,173,481
Dodge	82	92	85	281,874	282,299	-425	6,874,948	10,696,669	63.00	29.00	10.30	4.60	102.00	8,099,283	9,338,598	13,416,368
Fond du Lac	85	88	87	244,303	243,352	951	5,033,									

**SEMI-MONTHLY CROP NOTES FOR MARCH 16 TO 31,  
1922, AS REPORTED BY THE BUREAU'S AGRI-  
CULTURAL STATISTICIANS IN THE  
DIFFERENT STATES**

*General Crop Summary:*—Farming operations have been considerably delayed by wet weather in many sections of the country, particularly in the Mississippi Valley from Mississippi and Louisiana to the Dakotas and as far west as Idaho. Georgia and South Carolina have been similarly affected. More favorable conditions and some farm activity reported from the Pacific Coast States, Wyoming, Arizona, Florida, and Virginia. The last days of March brought indications of rapid improvement in numerous widely scattered sections. Good pasturage conditions are reported from nearly all States.

*Grains:*—Corn planting has become more general and extends as far north as central Arkansas and Oklahoma. Preparation of ground nearly completed in southern Virginia.

Winter wheat in excellent condition in most sections. Unfavorable in Oregon, New Mexico, Nebraska, Michigan, western Maryland and flooded portions of Illinois. Greenbugs becoming a menace in Oklahoma.

Oats are holding in Florida and doing well in the South generally when fall planting is practiced. Little progress toward planting farther north.

*Cotton:*—Cotton planting progressing slowly. Some indications of acreage increases. Increased fertilizers sales reported in various sections.

*Live Stock:*—Live stock is in good to splendid condition with few exceptions. Condition fair to poor in North Dakota, but situation improving. Range stock in Utah and Nevada becoming weak, and there is feed shortage in Wisconsin. Lung worms and hog cholera reported in Arkansas. Spring pig losses heavy in Illinois due to cold, wet weather and to contagious abortion.

*Miscellaneous:*—Potato harvesting has begun in Florida. Planting under way as far north as lower counties of Ohio.

Fruit prospects are excellent except in some portions of Michigan and Wisconsin.

The farm labor supply is plentiful at lower wages than were paid last year, except in Maryland.

Unusual interest in cream separators is being shown in Georgia, and an increase in tractor sales is reported.

**WEATHER SUMMARY**

March was warmer and slightly wetter than usual, with somewhat less than the normal amount of sunshine. Over the greater part of the State the lowest temperatures occurred on the 1st or 2nd, when the minima ranged from 12° in the extreme southeast to -27° in the northwestern part of the State. Maximum temperatures in the 70s occurred in southwestern counties on the 12th and 13th, but it was again cold at the end of the second decade and temperatures were below zero in many northern localities on the 22nd. The precipitation was fairly well distributed through the month. It was heaviest in central and southern districts and lightest in the northwest. There was considerably less than the usual March snowfall, the ground in many southern counties being bare the greater part of the month. Notwithstanding this there appears to have been but little winter killing of grains and grasses. Another glaze storm on the 19th injured fruit trees to some extent in some central counties and caused considerable damage to overhead wire systems in the northwestern part of the State. W. P. Stewart, U. S. Weather Bureau.

**SPECIAL COUNTY TABLES**

On page 35 of this issue are recorded county figures summarizing crop acreages and values for 1921 and 1920. Crops included in the acreage tabulations are corn, oats, barley, rye, winter wheat, spring wheat, buckwheat, dry peas, dry beans, flax, clover and timothy, alfalfa, other tame hay, potatoes, tobacco, cabbage, onions, hemp, sugar beets, other root crops, canning peas, and cranberries. Crops included in the figures for total value are the same with the exception that flax, onions, hemp, other root crops, and cranberries are not included, while marsh hay is included.

The live stock prices are those for January 1st of this year. Live stock value figures for January 1, 1922, 1921 and 1920 are the totals for horses and mules, dairy cows and heifers, other cattle, all sheep, and all swine.

**WISCONSIN'S GREATEST STATE FAIR**  
**WEST ALLIS, AUG. 28-SEPT. 2**



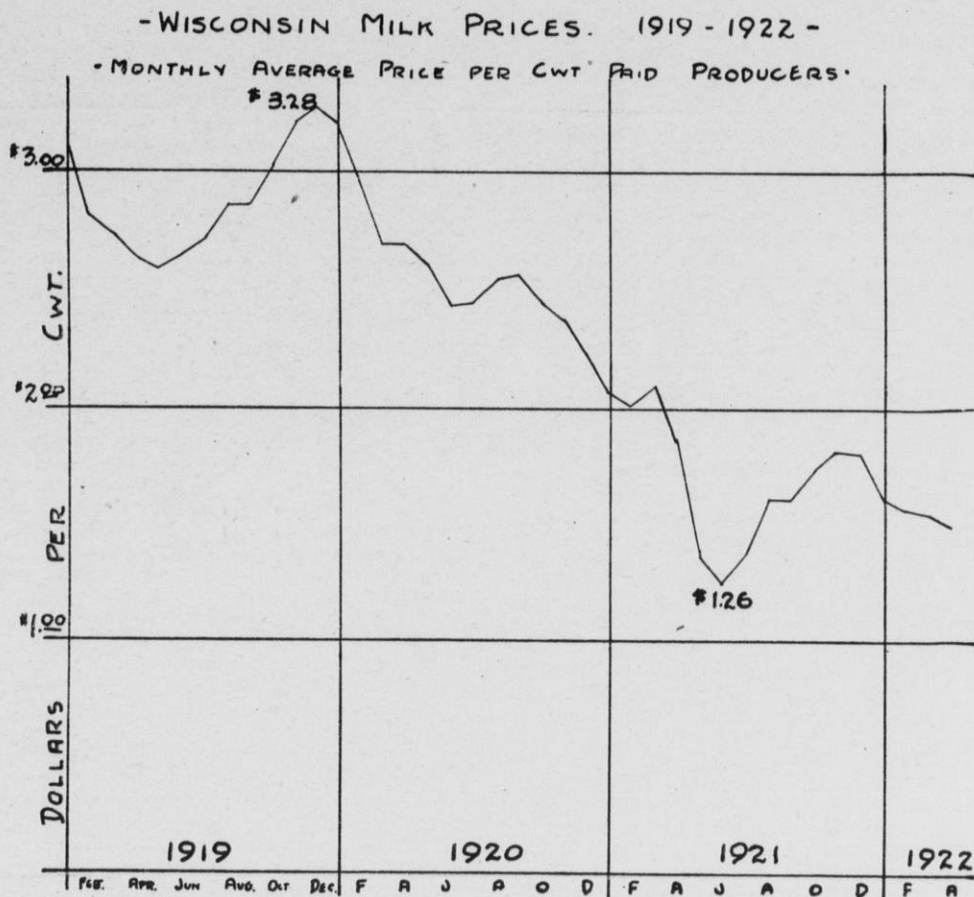
# WISCONSIN MONTHLY CROP AND LIVESTOCK REPORTER

JOSEPH A. BECKER, Agricultural Statistician

Vol. I, No. 10

State Capitol, Madison, Wisconsin

May, 1922



The High Point of Milk Prices was reached in December, 1919; the Low Point in June, 1921.

## WISCONSIN MILK PRICES, 1919-1922

Monthly Average Price per Cwt. Paid Producers

	1922	1921	1920	1919
February.....	\$1.62	\$2.07	\$3.22	\$3.12
January.....	1.58	2.01	2.96	2.80
March.....	1.57	2.10	2.70	2.75
April.....	1.50	1.86	2.70	2.64
May.....	1.37	2.62	2.59	2.59
June.....	1.26	2.44	2.66	2.66
July.....	1.39	2.46	2.72	2.72
August.....	1.62	2.56	2.86	2.86
September.....	1.62	2.57	2.87	2.87
October.....	1.75	2.46	3.03	3.03
November.....	1.82	2.38	3.22	3.22
December.....	1.81	2.22	3.28	3.28
Average for year.....		\$1.645	\$2.565	\$2.824

The highest average price received by producers for milk was \$3.28 for the month of December, 1919. This is probably the highest average monthly price ever received in this State. The lowest average of the past three years was the June, 1921, price of \$1.26. Prices shown above are weighted average for the State and represent the average price received for all milk regardless of utilization. Crop correspondents of this Service were asked on the first of each month to estimate the average price received by producers in their vicinity whether sold as whole milk, for city milk supply, condenseries or cheese factories, or as cream to creameries. Each monthly price is the weighted average of from 400 to 450 such reports from all counties of Wisconsin. This inquiry was not made prior to January, 1919, so comparable figures for previous years are not available. The yearly average price for 1918 was \$2.47; for 1917, \$2.10; and for 1909, \$1.14. The average price for 1921 was probably as low or slightly lower than for the prewar years (1912-14). From a study of the graph it will be noted that milk prices usually decline from January to June and increase from July to December.

## MAY CROP REPORT—FORECASTED PRODUCTION 1922, WITH COMPARISONS

	Acres in Thousands			Production in Thousands			Condition May 1 Per Cent of Normal		
	1922	1921	1916-20 average	1922 forecast	1921	1916-20 average	1922	1921	1911-20 average
Winter wheat, bu.-----	87	89	81	1,725	1,415	1,784	84	86	86.9
Rye, bu.-----	364	328	360	6,501	4,750	5,661	94	91	91.6
Tame hay, tons-----	2,882	3,064	2,928	4,406	4,148	4,844	84	88	89.7
Wild hay, tons-----	375	364	341	472	437	479	84	88	86.7
Pasture-----							74	89	80.1
Hay stocks, tons-----							%	%	%
Spring plowing-----				298	679	470	6.5	12.0	8.98
Spring planting-----							63	72	67.7
							46	65	54.7

Winter wheat declined 1% in condition since a month ago, while rye improved 2%. Because of the late backward spring, condition this year was hard to estimate. Winter crops, like all crops, are starting growth much later than usual.

## WINTER WHEAT ABANDONMENT ABOVE AVERAGE

Due to the relatively open winter, the sleet storm in February, and heavy frosts in April, winter killing was above average this year. It is estimated that 16.0% of the planted acreage will be abandoned, compared to 10% last year and a 10-year average of 10.3%. Abandonment was particularly large in southern and eastern counties. The area remaining for harvest is estimated at 87,000 acres, compared to 89,000 last year and a 5-year (1916-20) average of 81,000 acres. Condition on May 1 was 83%, compared to 85% on April 1, 86% for last year's crop on May 1, and a 10-year average of 86.9%. Forecasted production is estimated at 1,704,000 bushels, compared to 1,415,000 in 1921, and a 5-year average of 1,784,000 bushels.

*United States:*—Abandonment of winter wheat in the United States is estimated at 14.4% of the planted acreage as compared with 4.6% last year and a 10-year average of 10.4%. Area remaining for harvest is estimated at 38,131,000 acres as compared with 42,702,000 acres last year and a 5-year average of 37,921,000 acres. Production forecasted from May 1 condition is estimated at 585 million bushels as compared with 587 million bushels produced in 1921 and a 5-year average of 567 million bushels. Condition on May 1 is estimated at 83.5% compared with 78.4% on April 1, 88.8% on May 1 last year, and 87.1% the average of the past ten years.

## RYE IN BETTER CONDITION

The bulk of Wisconsin's rye crop is grown in the northern two-thirds of the State, where it was well protected by a snow covering during the past winter. Abandonment is small. Much of the area abandoned will be utilized as hay or pasture. Estimated abandonment this year is 3.0%. Area remaining to be harvested is estimated at 364,000 acres, compared to 328,000 harvested in 1921 and a 5-year average of 360,000 acres. Condition on May 1 is estimated at 94%, compared to 92% on April 1, 91% for last year's crop on May 1, and a 10-year average of 91.6%. Production is forecasted at 6,501,000 bushels, compared to 4,750,000 produced last year and a 5-year average of 5,661,000 bushels.

*United States:*—Area of rye remaining for harvest in the United States is estimated at 5,148,000 acres, compared to 4,228,000 harvested in 1921, and a 5-year average of 4,927,000 acres. Condition on May 1 was 91.7%, compared to 89.0% on April 1, 92.5% on May 1, 1921, and 90.2% the average for the past ten years. Forecasted production is given at 79,152,000 bushels, compared to 57,918,000 bushels last year and a 5-year average of 67,762,000.

## HAY CROP OUTLOOK POOR

A hay crop of 4,878,000 tons is indicated from May 1 condition. The short crop of 1921 totaled 4,585,000 tons. The 5-year average production is 5,223,000 tons. Estimating the acreage in hay this spring is very difficult. Thousands of acres of clover and timothy were winter killed, and additional thousands show thin and spotted stands. Because of the late spring, it is difficult to estimate just how much of the thin and spotted stands will be plowed up for other crops. The probable acreage which will be planted to emergency hay crops, like millet, soy beans, sudan grass,

and pea and oat hay, is also still uncertain. Area of tame hay is tentatively estimated at 94% of last year's acreage, or 2,882,000 acres, compared to 3,064,000 acres last year and a 5-year average of 2,928,000 acres. Area in wild hay is estimated at 375,000 acres, compared to 364,000 in 1921 and a 10-year average of 341,000.

Condition of meadows on May 1 is estimated at 84% compared to 87% on April 1, 88% a year ago, and a 10-year average of 86.7%. Production of tame hay is estimated at 4,406,000 tons as compared to 4,148,000 last year and a 5-year average of 4,844,000 tons; of wild hay, 472,000 tons, compared to 437,000 last year and a 5-year average of 479,000 tons.

*United States:*—Production of hay in the United States is estimated at 102,759,000 tons, compared with 96,802,000 tons produced in 1921 and a 5-year average of 102,129,000 tons. Production of tame hay is estimated at 87,167,000 tons as compared to 81,567,000 last year and a 5-year average of 85,075,000 tons; of wild hay, 16,412,000 tons compared to 17,460,000 tons in 1921 and a 5-year average of 17,054,000.

Condition of meadows on May 1 was 90.1%, compared to 91.5% a year ago and a 10-year average of 89.8%. The expected acreage of tame hay is estimated at 58,753,000 acres as compared to 58,742,000 in 1921 and a 5-year average of 56,334,000 acres; of wild hay, 15,592,000 acres as compared with 15,483,000 last year and a 5-year average of 16,230,000 acres.

## HAY STOCK LOWEST IN YEARS

On May 1 there remained on Wisconsin farms 321,000 tons of hay, compared to 679,000 tons on May 1 last year and a 5-year average of 470,000 tons. Reserves this year represent 6.5% of last year's crop as compared to 12.0% last year and a 5-year average of 8.98%. Many farmers have shipped in hay to feed livestock. In other cases hay has been fed sparingly so that livestock are thin and in poor condition.

*United States:*—Hay stocks of the United States on May 1 are estimated at 10,792,000 tons, compared to 18,771,000 tons on May 1, 1921, and 12,417,000 tons the 5-year average. These amounts were respectively 11.1%, 17.8% and 12.1% of the previous year's crops.

## PASTURE LATE AND POOR

Because of unusually ample soil moisture and cold weather in April, pastures are late and soft and the grass growth short. Condition on May 1 is estimated at 75%, compared to 89% last year and 80.1% the 10-year average.

*United States:*—Pastures in the United States on May 1 showed an average condition of 84.5%, compared to 91.8% last year and a 10-year average of 85.6%.

## SPRING WORK TWO WEEKS LATE

On May 1 spring work was farther behind than any year since 1914. This was in the face of the fact that more plowing than usual was completed in the fall of 1921. It is estimated that 63% of plowing for spring planting and sowing was completed by May 1 as compared with 72% last year and a 10-year average of 67.7%. Of spring planting and sowing it is estimated that 50% was completed by May 1 as compared to 65% last year and a 10-year average of 54.7%.

*United States:*—Of spring plowing, it is estimated that 63.5% was completed up to May 1 as compared with 77.8% last year and a 10-year average of 70.0%. Of spring planting, 53.6% was completed, compared to 63.5% last year and a 10-year average of 57.8%.



CONDITION OF CROPS MAY 1, WINTER GRAIN ABANDONMENT, PROGRESS OF FARM WORK, HAY STOCKS, AND  
APRIL MILK PRICES

COUNTIES	Winter Wheat		Rye		Meadows		Pasture		Winter Wheat Abandonment		Rye abandonment	Plowing Completed	Spring Sowing and Planting Completed		Hay Stocks		Milk Price	
	1922 per cent	7-yr. average per cent	1922 per cent	7-yr. average per cent	1922 per cent	7-yr. average per cent	1922 per cent	7-yr. average per cent	1922 per cent	7-yr. average per cent	1922 per cent	1922 per cent	7-yr. average per cent	1922 per cent	7-yr. average per cent	1922 per cent	7-yr. average per cent	April, 1922
Northwestern District.....	94.8	90.3	95.6	93.0	92.8	88.9	76.7	80.1	5	8.1	2.1	71.5	73.5	40.9	53.2	5.0	9.7	1.54
Barron.....	95	86.3	94	93.7	96	89.6	82	81.7	0	7.3	2	70	71.4	35	46.1	5	10.3	1.57
Bayfield.....	97	94.6	99	95.6	95	92.9	88	81.6	1	6.0	0	81	70.6	21	41.4	4	10.1	1.72
Burnett.....	95	92.9	96	95.4	88	90.3	81	83.0	3	8.9	1	71	65.6	45	50.4	4	10.0	1.62
Chippewa.....	91	90.0	97	94.7	95	88.1	66	84.1	0	7.4	3	71	78.1	28	51.9	5	12.0	1.45
Douglas.....	95	90.6	98	95.7	98	88.1	74	85.6	0	6.6	0	58	67.3	29	36.6	8	7.9	1.72
Dunn.....	90	89.4	99	93.4	97	88.3	74	78.1	2	10.4	2	74	77.7	58	65.7	2	9.0	1.43
Eau Claire.....	93	88.3	96	92.6	88	86.0	68	79.7	3	8.6	3	78	80.4	65	61.9	2	9.6	1.70
Pierce.....	90	88.0	94	92.0	88	89.6	75	76.7	1	7.0	2	79	81.6	59	64.1	4	9.4	1.48
Polk.....	92	91.4	94	93.4	86	88.4	70	77.1	0	8.6	1	84	75.6	46	56.4	3	8.9	1.42
Rusk.....	95	89.3	97	90.1	98	89.6	72	79.9	1	5.4	0	58	66.4	26	42.6	2	8.3	1.38
St. Croix.....	94	92.3	95	91.4	89	88.0	76	82.7	2	3.9	3	78	81.9	46	59.7	7	10.3	1.55
Sawyer.....	95	92.9	89	93.7	98	91.9	75	80.4	1	5.9	1	52	66.4	25	36.0	2	7.0	1.44
Washburn.....	87	86.0	93	90.7	88	88.1	90	76.0	3	5.7	3	58	60.6	37	43.9	3	8.0	1.60
Northern District.....	92.0	88.1	95.7	90.6	92.8	89.3	78.5	77.3	5.6	7.1	2.5	69.3	70.1	35.9	36.0	5.0	8.2	1.54
Ashland.....	85	85.6	90	89.1	82	87.3	68	71.3	8	8.3	2	64	61.3	26	31.9	6	9.0	1.58
Clark.....	89	89.4	96	89.3	88	89.4	83	79.6	2	5.7	2	75	72.1	37	31.9	5	9.0	1.29
Iron.....	92	87.6	92	92.3	90	85.4	80	76.1	2	10.6	2	50	61.6	15	23.3	1	8.7	1.80
Lincoln.....	92	91.4	94	93.9	91	81.4	69	79.7	4	4.3	3	73	70.4	54	46.9	1	7.7	1.28
Marathon.....	88	85.4	98	91.4	97	88.8	76	78.7	5	9.9	2	65	72.9	41	43.9	6	8.1	1.37
Oneida.....	95	91.6	100	91.7	95	88.7	64	83.6	4	4.1	1	85	59.1	37	29.7	2	8.6	1.85
Price.....	98	89.1	97	90.0	93	91.1	85	77.6	2	5.3	4	65	65.6	49	28.4	6	6.7	1.79
Taylor.....	92	89.3	94	89.1	101	91.0	78	72.4	0	3.7	2	72	72.3	28	28.9	2	7.1	1.56
Vilas.....	86	87.3	92	91.6	91	88.3	85	79.6	6	4.7	3	63	62.1	29	25.9	4	6.7	1.75
Northeastern District.....	94.0	89.3	93.3	93.4	88.4	91.1	73.0	77.0	4.9	7.2	3.8	55.1	70.1	27.1	45.4	3.5	10.4	1.38
Door.....	86	90.4	90	93.7	82	93.3	66	81.4	5	4.3	3	85	80.0	28	50.0	8	13.0	1.36
Florence.....	98	91.4	97	97.1	96	96.7	88	76.1	1	4.4	1	60	66.9	38	28.1	5	9.6	1.70
Forest.....	92	91.4	93	95.7	89	94.0	60	79.9	1	5.4	1	40	59.6	25	28.7	3	11.3	1.53
Langlade.....	95	91.6	96	93.1	93	92.4	90	77.0	2	5.1	1	52	67.1	30	30.7	1	8.9	1.30
Maine.....	97	92.6	95	95.0	91	92.3	64	71.7	4	5.0	1	60	67.3	29	42.7	4	9.0	1.60
Oconto.....	94	85.3	90	91.6	87	89.0	80	74.9	2	7.3	6	47	62.3	21	46.4	4	9.6	1.28
Shawano.....	95	89.4	96	93.7	88	91.0	75	81.0	6	9.3	5	50	75.7	29	54.0	3	9.1	1.37
Western District.....	93.3	85.4	95.2	91.3	91.6	87.2	76.1	79.1	3.0	19.4	1.8	83.4	81.6	69.7	70.6	6.5	9.0	1.59
Buffalo.....	92	85.7	95	94.4	95	91.0	74	84.7	6	16.1	2	88	84.6	75	70.9	4	9.6	1.65
Jackson.....	91	80.6	96	88.6	93	81.4	72	71.6	2	21.9	1	82	79.4	68	61.4	4	9.0	1.62
La Crosse.....	96	90.9	98	95.3	94	91.9	74	83.9	1	12.1	0	89	83.1	75	72.4	8	8.0	1.68
Monroe.....	94	83.0	97	90.0	87	86.7	83	79.9	3	16.0	4	89	78.6	58	66.4	7	8.1	1.66
Pepin.....	90	85.0	92	88.9	87	87.7	70	76.1	1	16.4	3	75	82.1	66	65.9	6	11.4	1.45
Trempealeau.....	95	83.4	95	91.9	93	86.6	80	83.1	4	23.0	1	89	86.7	84	75.1	4	8.9	1.57
Vernon.....	93	87.9	92	88.7	91	87.0	75	76.3	3	15.0	0	69	75.3	61	70.4	6	8.3	1.45
Central District.....	94.8	87.4	97.2	91.1	92.3	88.3	80.3	79.7	2.6	9.2	3.2	50.6	59.2	42.9	50.7	5.5	11.1	1.48
Adams.....	95	86.0	96	87.9	85	88.3	73	75.6	2	9.4	1	20	49.4	19	39.4	6	10.0	1.41
Green Lake.....	92	92.1	98	95.6	90	91.6	72	85.3	1	6.1	1	65	74.6	00	63.1	8	12.7	1.40
Juneau.....	96	83.0	98	92.6	82	87.7	72	81.9	6	13.3	1	62	67.1	35	54.4	5	10.7	1.60
Portage.....	92	87.1	98	90.7	91	84.1	76	79.7	0	6.7	4	41	57.0	40	52.0	3	11.3	1.57
Marquette.....	93	90.1	96	92.1	92	92.1	86	82.3	1	7.3	2	52	58.1	50	50.1	6	11.1	1.47
Waupaca.....	96	90.4	99	93.3	92	89.1	87	81.6	6	10.9	6	80	64.1	58	52.0	5	10.6	1.66
Wausara.....	92	88.1	97	89.0	91	83.0	81	77.9	2	8.1	8	53	50.4	38	40.4	6	12.4	1.44
Wood.....	100	84.0	97	88.9	102	90.4	88	78.6	2	10.0	2	50	64.9	32	45.7	6	8.7	1.36
Eastern District.....	81.0	85.6	92.0	91.7	81.1	87.6	70.0	79.7	20.0	10.55	4.8	68.2	78.8	48.5	58.9	9.5	12.0	1.47
Brown.....	97	90.1	99	92.0	96	89.6	58	75.3	3	5.3	2	75	81.9	35	53.4	7	12.6	1.46
Calumet.....	81	85.1	93	89.1	85	86.9	52	78.9	24	11.3	0	35	77.0	33	54.6	7	11.3	1.55
Dodge.....	72	87.0	91	95.3	74	89.7	72	85.0	13	11.6	4	70	76.6	65	67.1	9	11.4	1.34
Fond du Lac.....	87	88.4	94	89.7	87	89.7	70	81.9	15	8.7	4	52	74.9	44	56.9	5	10.0	1.51
Kewaunee.....	90	88.3	99	92.4	93	90.7	85	81.9	6	7.7	1	82	90.7	42	46.9	6	12.6	1.45
Manitowoc.....	86	84.9	94	90.1	86	84.4	83	76.1	10	8.6	2	79	81.6	52	52.4	11	13.0	1.53
Outagamie.....	89	92.1	90	95.3	93	92.0	63	78.0	21	12.4	1	78	75.6	24	54.1	11	10.9	1.34
Ozaukee.....	68	83.0	81	88.6	65	86.5	59	74.4	28	9.6	9	80	80.0	60	64.6	12	15.0	1.71
Sheboygan.....	75	86.0	87	93.1	78	87.7	75	80.1	32	13.7	4	74	81.3	65	61.4	10	12.1	1.47
Washington.....	77	84.1	99	93.1	65	86.9	76	82.9	34	15.1	6	63	78.3	50	70.3	11	11.9	1.37
Winnebago.....	95	84.1	98	89.9	94	84.0	82	79.9	5	13.6	2	37	74.3	14	53.9	10	13.3	1.49
Southwestern District.....	86.9	88.0	93.3	94.1	85.3	90.8	71.2	83.0	6.0	9.9	5.1	59.7	68.4	52.5	61.8	5.0	9.3	1.43
Crawford.....	83	88.4	93	93.0	86	89.0	60	74.3	14	11.6	6	62	68.7	58	60.0	7	9.7	1.51
Grant.....	86	87.7	88	93.1	84	91.0	70	82.0	6	8.4	3	58	69.7	51	61.0	5	10.0	1.52
Lafayette.....	89	88.1	96	94.7	80	90.6	73	86.3	2	6.3	0	63	69.0	54	59.6	8	8.6	1.55
Iowa.....	82	91.7	90	94.6	82	91.1	79	90.1	2	12.9	0	68	72.4	59	68.7	5	9.3	1.30
Richland.....	91	89.7	95	94.0	91	92.0	83	82.1	4	9.7	8	52	64.3	46	55.4	3	7.4	1.35
Southern District.....	85.1	88.0	92.9	93.2	78.8	87.5	73.2	82.3	11.8	12.8	5.8	59.0	68.2	50.5	58.8	7.0	9.9	1.44
Columbia.....	85	90.1	95	93.7	92	88.0	80	77.7	10	12.6	6	57	64.9	50	56.6	7	10.9	1.51
Dane.....	86	88.6	91	91.4	79	89.3	70	80.6	14	10.7	2	65	69.3	51	60.9	6	10.7	1.33
Green.....	81	88.6	89	91.1	66	87.1	74	86.4	10	11.7	9	59	68.9	56	59.4	6	8.7	1.40
Rock.....	72	89.9	86	91.6	64	86.0	67	83.0	20	12.9	8	52	65.0	49	54.7	8	9.9	1.49
Sauk.....	90	86.6	99	95.1	93	88.1	77	81.0	8	13.1	3	64	71.1	46	59.1	7	9.0	1.41
Southeastern District.....	75.4	88.6	88.4	92.1	64.3	87.5	70.3	82.5	19.0	11.4	6.0	59.6	65.8	53.1	57.8	9.5	11.6	1.58
Jefferson.....	72	88.9	82	93.7	51	90.9	70	81.4	18	13.0	9	60	65.0	56	60.0	10	11.4	1.44
Kenosha.....	85	87.6																

**CONDITION OF LIVESTOCK LOW THIS SPRING**

Wisconsin livestock range from one to four per cent below normal healthfulness. The long winter combined with a shortage of hay and small grain and a cold, wet spring, have brought this about. Condition of horses on May 1 is estimated at 94%, compared to 97% last May and a 10-year average of 97.2%. Condition of cattle is reported at 93%, compared to 97% last year and a 10-year average of 96.8%. Condition of sheep is given at 94%, compared to 98% last year and a 10-year average of 96.7%; of swine, 96% compared to 96% last year and a 10-year average of 96.9%.

*United States:*—Condition of livestock in the United States for May, 1922, May 1 last year and the 10-year average is as follows:

Horses	94.1%, 96.2% and 96.0%
Cattle	93.2%, 95.8% and 95.1%
Sheep	92.8%, 94.4% and 95.5%
Swine	93.0%, 95.4% and 93.8%

**LIVESTOCK MORTALITY HIGHER DURING 1921**

Losses of livestock during the year ending April 30th were higher than for a number of years. Losses of cattle by exposure or from disease brought on by exposure and a shortage of feed was particularly marked. Losses of lambs and pigs due to inclement weather at lambing and farrowing time were larger than usual this spring.

The number of horses per thousand which died from disease during 1921 is reported at 10 compared to 12 in 1920, and a 10-year average of 16.4. Cattle dying from disease numbered 14 per thousand as compared with 13 in 1920 and a 10-year average of 16.6; from exposure 6, compared to 3 in 1920 and a 10-year average of 4.2. Sheep which died from disease numbered 17, compared to 14 in 1920, and a 10-year average of 18.9; from exposure 11, compared to 5 in 1920, and a 10-year average of 7.0. Lambs dying from all causes numbered 37 per thousand, compared to 28 in 1920 and a 10-year average of 40.9. Losses of swine from disease numbered 27, compared to 25 last year and a 10-year average of 31.5.

*United States:*—Mortality of livestock in the United States was as follows: Horses (disease) 15.7 per thousand, compared to 14.7 last year and a 10-year average of 18.8; cattle (disease) 17.8, compared to 17.0 in 1920 and a 10-year average of 19.7; cattle (exposure) 13.0, compared to 9.3 in 1920 and a 10-year average of 15.0; sheep (disease) 21.5, compared to 22.9 last year and a 10-year average of 23.3; sheep (exposure) 26.4, compared to 14.8 in 1920 and a 10-year average of 29.2; lambs (disease and exposure) 62.4, compared to 46.2 in 1920 and a 10-year average of 57.5; and swine (disease) 54.1, compared to 44.2 in 1920 and a 10-year average of 65.8.

**SPRING LITTERS LARGE, BUT LOSSES ABOVE AVERAGE**

Correspondents report the average size of litter to have been 6.3 pigs, compared to 6.4 last year, 5.4 in 1920 and 6.0 in 1919. However, the loss of pigs subsequent to farrowing

was much larger than usual. This was due, in many cases, to the cold weather at farrowing time and to a lesser extent, to the farrowing of weak and hairless pigs.

**FARM LABOR**

The number of hired hands on farms increased 26% during the month of April. The inquiry concerning the number of hired hands, which is made in co-operation with the Wisconsin Industrial Commission, shows the following index figures:

May	1, 1922	92.1
April	1, 1922	72.8
March	1, 1922	57.4
February	1, 1922	52.8
January	1, 1922	51.8
January	1, 1921	56.7
July	1, 1920	100.0

**BEEES AND HONEY:**—An increase of 2,000 working colonies of bees over last year is shown by the May 1 reports of Wisconsin beekeepers. Total working colonies (spring count) are estimated at 114,000 as compared to 112,000 last year and 81,000 in 1920. Winter loss was relatively large this year. It is estimated that 15%, or 20,000 of the 134,000 colonies wintered, did not survive until spring. This compares with 8% in the previous winter, 25% in the winter of 1920-21, and a 5-year average of 12%. Losses due to weak condition when put into winter quarters are estimated at 40%; due to poor winter stores, 11%; due to starvation, 27%; due to lack of protection, 13%, and other causes, 9%.

Condition of colonies on May 1 is reported at 83% of normal strength and healthfulness as compared to 98% a year ago and 78% in 1920. The condition of honey plants is estimated at 78% of normal, compared to 87% a year ago, and a 5-year average of 91%. Much clover has been winter killed, and all honey plants are late.

Producers on May 1 had on hand 307,000 pounds of honey, or 6.5% of the 1921 crop, as compared to 516,000 pounds a year ago.

Average prices asked for honey about May 1 were: Wholesale, comb, 26.2c; extracted, 15.3c; retail, comb, 31.1c; extracted, 19.5c.

**MAPLE SUGAR AND SYRUP:**—Maple sugar production in 1922 was much above the production for a number of years past. Trees tapped numbered 538,000, an increase of 9% over last year. Production of syrup is estimated at 148,200 gallons as compared with 99,700 last year, 116,400 in 1920, and 139,000 in 1919; of sugar, 24,200 pounds compared to 17,100 in 1921, 20,900 in 1920, and 22,000 in 1919. Syrup is high in quality due to the fact that most of it was produced during a few very good days under ideal sap flow conditions. Average quality is estimated at 96% of a high medium grade compared to 92% last year, 89% in 1920, and 98% in 1919. Length of flow was 15.0 days as compared to 10.0 in 1921, 14.3 in 1920, and 17.1 in 1919.

Value of the product this year is estimated at \$348,600, compared to \$257,200 in 1921, \$367,900 in 1920, and \$328,900 in 1919. Average price of syrup is given at \$2.30, compared to \$2.52 last year, \$3.08 in 1920, and \$2.31 in 1919; of sugar, 32c, 35c, 45c, and 36c respectively.

# WISCONSIN'S GREATEST STATE FAIR

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# WISCONSIN MONTHLY CROP AND LIVESTOCK REPORTER

JOSEPH A. BECKER, Agricultural Statistician

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## CROP SUMMARY FOR JUNE 1.

Crop	Acres in Thousands			Production in Thousands			Condition, June 1 Per Cent of Normal		
	1922 pre- liminary	1921	1916-20 average	June 1 forecast	1921	1916-20 average	1922	1921	1911-20 average
Oats, bu.	2,537	2,632	2,317	98,968	63,958	95,497	94	95	93.9
Barley, bu.	468	473	588	14,145	10,642	18,514	93	94	93.3
Rye, bu.	364	328	360	6,564	4,756	5,661	92	90	89.9
Winter wheat, bu.	87	89	81	1,680	1,424	1,729	82	86	86.7
Spring wheat, bu.	91	125	269	1,556	1,338	4,601	90	92	93.0
Tame hay (all)	2882	3,064	2,928	4,565	4,137	4,844	88	85	89.8
Clover (alone)	260	218	174	424	272	303	84	78	90.0
Alfalfa	92	131	71	199	343	190	75	94	88.8
Wild hay	375	364	341	495	437	479	88	85	89.8
Pasture							95	92	92.0
Apples				1,487	1,050	1,741	84	66	85.2
Cherries							91	70	
Cabbage							94	89	91.5
Onions							98	89	90.9
Sugar beets							91	90	91.3
Field beans							93	91	93.6
Field peas							93	92	91.1
Canning peas							95		

## GENERAL CONDITIONS

General crop conditions in Wisconsin on June 1 were 98.9% of the 10-year average (not the normal) as compared to 97.9% last year and 100.0% on June 1 two years ago. This estimate does not include condition of corn, potatoes, tobacco, and flax for which the first condition report will be made on July 1. Wisconsin crops were, because of interruption by rain, planted from one to two weeks late. Growing weather during May was unusually favorable and, as a result, crops are nearly up to average. The stand of practically all spring grain crops is excellent except on very low land; while the stand of hay, particularly alfalfa and clover in southern Wisconsin, is quite "spotted."

*United States:*—General condition of crops in the United States is 99.2% of the 10-year average as compared to 93.2% last year and 94.8% in 1920. Crops were planted late generally over the Middle West and late frosts in the East reduced the stand of crops.

## SMALL GRAIN CROPS

The acreage of small grains in Wisconsin is 100,000 acres less than last year and 68,000 below the 5-year average (1916-20). Planting was interrupted frequently by rain and was made difficult by poor soil conditions. Fall grains total 451,000 acres as compared to 417,000 in 1921 and a 5-year average of 441,000 acres. Spring grains total 3,096,000 acres compared to 3,230,000 last year and a 5-year average of 3,174,000 acres. In all, Wisconsin farmers have 3,547,000 acres in grain as against 3,647,000 in 1921 and an average of 3,615,000 for the five years 1916 to 1920.

With the exception of winter wheat, grain crops are all in good condition. Warm weather in May has largely overcome the late planting made necessary by weather conditions in April. The total outturn based upon June 1 conditions is forecasted at 122,913,000 bushels as against

82,118,000 produced last year and a 5-year average production of 126,002,000 bushels. This estimate is based upon the assumption of average weather conditions until harvest. The final production will be more or less depending on whether weather is more favorable or less favorable than usual.

*United States:*—Total area in grain crops in the United States is estimated at 110,484,000 acres as compared with 118,702,000 in 1921 and 115,643,000 in 1919. The expected crop, based on June 1 condition, is 2,431 million bushels as compared to 2,065 million last year and a 5-year average of 2,477 million bushels.

## OATS ACREAGE 4% LESS

Area sown to oats in Wisconsin is estimated at 2,537,000 acres, compared to 2,632,000 in 1921 and a 5-year average of 2,317,000 acres. Unfavorable weather and shortage of good seed were factors. Condition on June 1 was 94% of normal, compared to 95% last year and a 10-year average (1911-20) of 93.9%. Forecasted production is given at 98,968,000 bushels, compared to 63,958,000 in 1921 and a 5-year average of 95,497,000 bushels.

*United States:*—Area planted to oats in the United States is estimated to be 41,016,000 acres, compared to 44,826,000 in 1921 and 42,491,000 in 1920. Average condition on June 1 was 85.5%, compared to 85.7% in 1921 and a 10-year average of 89.5%. Production forecasted is 1,305 million bushels, compared to 1,061 million in 1921 and a 5-year average of 1,413 million bushels.

## BARLEY DECREASE SMALL

Barley acreage declined only 1%. Because it is a shorter season crop, barley replaced oats in many places. Acreage is given at 468,000, compared to 473,000 in 1921 and a 5-year

average of 588,000 acres. Condition average, 93% compared to 94% last year, and a 5-year average of 93.3%. Forecasted production is 14,145,000 bushels, compared to 10,642,000 last year and a 5-year average of 18,514,000 bushels.

*United States:*—Acreage planted to barley in the United States is given at 7,550,000 acres, compared to 7,240,000 in 1921 and 7,600,000 acres in 1919. Condition on June 1 averaged 90.1%, compared to 87.1% last year and a 10-year average of 90.1%. Probable production is given at 191 million bushels, compared to 151 million in 1921 and a 5-year average of 197 million bushels.

#### SPRING WHEAT AREA DECREASES GREATLY

A further large reduction in the acreage planted to spring wheat occurred this year. The area now is less than a fourth of the area during the war period. Acreage is estimated at 91,000, 27% below the 1921 acreage of 125,000, and one-third of the 5-year average of 269,000 acres. Condition on June 1 was 90%, compared to 92% last year and a 10-year average of 93.0%. Production will be 1,556,000 bushels, compared to 1,338,000 in 1920 and 4,601,000 as a 5-year average.

*United States:*—The spring wheat crop of the United States is forecasted at 247 million bushels, compared to 208 million produced in 1921 and a 5-year average of 233 million bushels. Condition on June 1 was 90.7% as against 93.4% last year and a 10-year average of 92.8%. Area planted is estimated to be 18,639,000 as compared with 19,706,000 last year and 21,127,000 in 1919.

#### WINTER WHEAT CONDITION DECLINES:

Condition of winter wheat is estimated at 82%, compared to 84% on May 1, 86% a year ago, and a 10-year average of 86.7%. Production is forecasted at 1,680,000 bushels, compared to 1,725,000 on May 1, 1,424,000 bushels produced last year and a 5-year average of 1,729,000.

*United States:*—The United States winter wheat crop is estimated at 607 million bushels as compared with the May forecast of 585 million, a production of 587 million bushels in 1921 and a 5-year average of 566 million bushels. Condition on June 1 averaged 82.0%, compared to 83.5% on May 1, 77.9% for last year's crop on June 1, and a 10-year average of 81.5%.

#### ALL WHEAT

Total wheat acreage in Wisconsin is 178,000 acres, compared to 214,000 in 1921, and a 5-year average of 350,000 acres. Total production based on June 1 condition is estimated at 3,236,000 bushels, compared to 2,762,000 bushels last year and a 5-year average of 6,330,000 bushels.

*United States:*—The United States wheat crop is now forecasted at 855 million bushels, compared to 795 million produced last year and a 5-year average of 799 million bushels. Total area in both spring and winter wheat is estimated at 56,770,000 acres, compared to 62,408,000 acres last year and 61,193,000 in 1919.

#### RYE OUTLOOK GOOD

Production of rye is forecasted at 6,584,000 bushels, compared to 6,501,000 from May 1 condition, 4,756,000 bushels produced last year and a 5-year average of 5,661,000 bushels. This crop is well headed and over a week earlier than usual. Condition on June 1 was 92%, compared to 90% last year and a 10-year average of 89.9%.

*United States:*—The United States crop of rye is forecasted at 80,815,000 bushels, compared to 79,152,000 from May 1 condition, 57,918,000 bushels produced last year and a 5-year average of 67,762,000 bushels. Condition on June 1 was 92.4%, compared to 90.3% last year and a 10-year average of 88.7%.

#### HAY CROP

##### HAY PROSPECT 188,000 TONS LARGER

The forecasted production of hay from June 1 condition is estimated at 5,060,000 tons as compared with 4,878,000 on May 1, 4,574,000 produced in 1921 and a 5-year average of 5,323,000 tons. Ample soil moisture with warm temperatures produced a heavy growth during the month. Condition in northern counties, where the stand is not "spotted," is unusually good. Average condition for the State is 88%,

compared to 84% a month ago, 85% last year on June 1, and a 10-year average of 89.8%.

Production of all tame hay is estimated at 4,565,000 tons, compared to 4,406,000 on May 1, 4,137,000 tons produced last year and a 5-year average of 4,844,000 tons; of wild hay, 495,000 tons as compared to 472,000 on May 1, 437,000 tons produced in 1921 and a 5-year average of 479,000 tons.

*United States:*—The hay crop of the United States is forecasted at 106 million tons as compared to the May 1 forecast of 103 million tons, 97 million tons produced in 1921, and a 5-year average of 102 million tons. Condition on June 1 was 91.1%, compared to 90.1% on May 1, 85.0% a year ago and a 10-year average of 88.9%.

Tame hay production is estimated at 89,296,000 tons, compared to 87,167,000 on May 1, 81,567,000 tons produced last year and a 5-year average of 85,075,000 tons. Production of wild hay is forecasted at 16,803,000 tons, compared to 16,412,000 on May 1, 17,460,000 tons produced in 1921 and a 5-year average of 17,054,000 tons.

#### CLOVER ACREAGE INCREASE

The area of clover (grown alone) has increased 19% as compared to a year ago. In all, it is estimated that 260,000 acres will be harvested compared to 218,000 acres last year and a 5-year average of 174,000 acres. A large acreage of clover was killed out by sleet in southern Wisconsin, but was more than replaced by a greatly increased area in the northern counties, where the acreage has more than doubled.

Condition of clover on June 1 was 84%, compared to 78% for last year's crop on June 1, and a 10-year average of 90.0%. The "spotted" condition of fields in southern Wisconsin has greatly reduced the outturn of the crop. Production is estimated at 424,000 tons, compared to 272,000 last year and a 5-year average of 303,000 tons.

*United States:*—Condition of clover in the United States is given at 92.3%, compared to 81.5% a year ago, and a 10-year average of 86.8%.

#### ALFALFA ACREAGE 30% LESS

Of the ten principal alfalfa counties in Wisconsin, only two, Fond du Lac and Sheboygan, counties show an increased acreage this year. The other eight counties all had their acreage reduced by 35% to 80%. Including one-year fields from which the first crop will be cut this year, the acreage is estimated at 92,000 acres, compared to 131,000 in 1921 and a 5-year average of 71,000 acres. Winterkilling was severe over southern Wisconsin. Condition on June 1 was 75%, compared to 94% last year and a 10-year average of 89.8%. Production is forecasted at 199,000 tons, compared to 343,000 tons in 1921 and a 5-year average of 190,000 tons.

*United States:* Alfalfa condition in the United States is estimated at 93.2%, compared to 87.9% last year and a 10-year average of 92.4%.

#### PASTURE IMPROVED GREATLY

An increase of 20% over May 1 is shown in the condition of pasture. On June 1 the condition was 95%, compared to 75% on May 1, 92% on June 1, 1921, and a 10-year average of 92.0%. High temperature during May greatly stimulated growth.

*United States:*—Condition of pastures in the United States is estimated at 93.8%, compared to 84.5% on May 1, 90.1% a year ago, and a 10-year average of 91.0%.

#### APPLE CROP LARGER THAN LAST YEAR

The apple crop is forecasted at 1,487,000 bushels, compared with 1,050,000 in 1921 and a 5-year average of 1,741,000 bushels. Except in a few western counties, bloom was quite heavy and the set of fruit about average. Condition on June 1 was 84%, compared to 66% a year ago and a 10-year average of 85.2%.

*United States:*—The United States apple crop in 1922 will be just about average. Production is given at 180 million bushels as compared with 98 million bushels produced in 1921 and a 5-year average of 179 million. Condition on June 1 was 72.7%, compared to 42.2% in 1921 and a 10-year average of 69.2%.



## CONDITION OF WISCONSIN CROPS JUNE 1, 1922, AND 7-YEAR AVERAGE (1915-21) IN PERCENT OF NORMAL.

COUNTIES	Oats		Barley		Rye		Winter Wheat		Spring Wheat		Hay (All)		Clover Hay		Alfalfa Hay		Pasture		Apples		Farm price milk per cwt. May, 1922
	1922 per cent	7-yr. average per cent	1922 per cent	7-yr. average per cent	1922 per cent	7-yr. average per cent	1922 per cent	7-yr. average per cent	1922 per cent	7-yr. average per cent	1922 per cent	7-yr. average per cent	1922 per cent	7-yr. average per cent	1922 per cent	7-yr. average per cent	1922 per cent	7-yr. average per cent	1922 per cent	7-yr. average per cent	
Northwestern District.	93.3	93.9	92.4	93.3	95.8	89.4	93.2	88.4	88.9	93.1	96.5	90.2	98.4	86.2	99.8	89.7	99.1	89.7	92.0	87.9	\$1.56
Barron	93	93.6	92	93.7	94	86.4	96	90.1	93	93.3	99	90.9	101	88.0	102	89.6	99	91.4	100	90.7	1.55
Bayfield	90	93.6	91	93.3	96	94.3	95	91.1	82	93.3	94	93.1	97	92.4	100	91.3	98	91.4	96	91.6	1.60
Burnett	86	93.4	75	91.7	99	89.0	91	88.6	84	93.3	94	89.6	93	88.3	102	88.3	87	88.1	85	87.3	1.52
Chippewa	96	93.7	96	93.3	99	91.4	92	89.0	96	91.9	98	91.6	101	87.0	97	87.3	104	91.0	96	86.1	1.49
Douglas	93	94.6	98	91.6	99	90.3	94	88.6	90	92.7	103	91.7	103	86.7	99	91.1	105	92.6	85	89.0	1.72
Dunn	90	94.9	96	94.9	94	89.7	97	83.7	98	93.1	91	88.9	98	86.3	95	89.4	99	92.0	93	89.6	1.38
Eau Claire	94	92.6	89	91.7	93	88.3	90	87.9	74	94.6	91	87.0	88	86.9	96	90.8	94	89.1	94	86.1	1.55
Pierce	96	93.6	75	91.9	96	88.4	94	83.4	92	91.7	96	93.6	93	89.6	94	89.7	100	89.3	80	87.4	1.44
Polk	97	95.6	94	92.0	97	87.7	97	85.4	99	94.4	94	87.7	102	85.6	106	89.9	101	89.0	97	86.7	1.40
Rusk	92	95.1	92	92.1	99	90.4	93	88.0	89	93.4	100	93.9	102	90.4	93	92.4	100	92.0	85	89.9	1.41
St. Croix	95	94.3	93	93.9	97	87.0	90	90.3	90	92.7	94	89.0	95	85.4	99	91.1	93	87.1	93	86.0	1.63
Sawyer	98	94.4	97	93.9	96	91.4	97	92.1	89	92.0	101	91.4	102	90.1	92	90.6	102	86.7	99	87.9	1.49
Washburn	89	93.4	90	92.4	91	92.0	80	88.3	86	93.6	95	87.3	99	85.3	99	86.9	102	86.9	100	83.7	1.60
Northern District.	92.1	93.5	87.7	92.4	91.0	87.5	95.2	84.6	85.3	92.1	97.0	90.8	97.7	88.8	91.4	88.9	99.0	91.6	89.8	85.1	1.32
Ashland	83	91.1	75	92.3	86	87.7	99	83.4	82	90.6	92	91.0	87	88.3	95	86.0	91	87.6	105	90.3	1.51
Clark	89	93.1	87	91.4	87	84.7	91	85.6	75	93.1	95	91.7	96	85.9	85	88.0	98	93.3	78	84.7	1.15
Iron	92	94.7	88	89.3	91	90.4	-----	84.0	80	91.0	97	90.1	99	90.1	-----	99	-----	86.3	90	84.9	1.60
Lincoln	94	93.3	91	94.4	96	89.1	90	88.0	90	92.0	98	93.7	99	87.6	95	88.6	100	92.9	96	80.1	1.18
Marathon	94	93.6	92	92.1	92	87.1	96	81.3	92	92.7	101	89.9	103	84.7	95	85.7	101	90.6	88	87.0	1.26
Oneida	97	95.6	96	93.9	98	95.3	95	88.4	90	90.9	86	91.4	88	89.7	82	90.0	92	90.1	95	85.6	1.80
Price	99	94.6	97	95.7	95	88.0	98	88.4	91	92.9	98	91.4	102	90.3	90	92.4	102	89.6	90	89.9	1.44
Taylor	88	95.1	86	90.9	86	86.0	98	87.7	92	90.1	98	91.0	101	87.0	-----	91.4	102	93.0	83	91.0	1.43
Vilas	97	93.6	90	92.3	92	89.6	98	86.6	80	92.3	101	88.0	101	87.7	90	89.4	101	88.6	105	84.1	1.70
Northeastern District.	92.9	92.8	89.1	92.2	90.1	89.1	91.6	86.9	91.0	93.0	94.5	88.2	93.2	86.7	98.6	88.3	98.0	89.6	88.3	89.3	1.19
Door	89	90.9	86	91.3	93	87.9	84	86.6	78	91.7	88	85.9	73	86.7	100	87.6	91	85.4	93	90.7	1.39
Florence	97	96.9	96	95.9	90	92.6	98	89.9	96	97.4	99	94.6	98	95.1	-----	92.4	101	95.0	90	91.4	1.60
Forest	95	96.1	94	96.3	90	92.6	92	93.1	96	94.7	94	94.4	93	90.7	-----	95.8	96	87.9	90	89.1	1.46
Langlade	92	92.6	94	91.9	88	87.7	99	86.6	98	90.9	92	90.4	95	90.7	95	93.6	91	91.9	82	85.0	1.08
Marquette	95	92.4	85	94.0	85	91.4	98	89.7	93	92.9	92	86.7	96	83.7	93	91.7	97	91.6	88	82.9	1.15
Oconto	93	91.0	51	89.1	94	85.3	96	82.9	98	91.7	94	86.4	100	83.9	98	87.9	99	87.1	87	82.7	1.11
Shawano	92	93.6	86	94.0	89	89.1	90	88.0	87	93.3	96	88.7	96	86.7	101	89.0	100	89.0	88	87.7	1.16
Western District.	97.2	95.1	97.2	95.4	96.5	90.5	93.4	83.8	91.5	93.1	91.9	89.1	88.6	84.6	91.6	84.9	97.7	91.9	82.0	83.3	1.55
Buffalo	100	97.1	101	97.0	93	93.9	90	86.7	97	94.6	102	91.6	96	83.1	92	87.1	102	93.0	56	81.7	1.51
Jackson	94	93.9	92	93.6	96	85.7	87	81.4	85	88.0	88	83.7	89	78.6	90	83.7	96	85.0	100	85.9	1.49
La Crosse	101	95.6	100	96.4	96	94.6	98	86.0	97	95.1	97	89.7	93	82.7	93	92.3	101	95.7	82	82.0	1.51
Monroe	100	96.3	99	96.9	100	89.3	98	85.0	95	94.3	86	89.1	84	86.1	85	81.6	98	92.4	89	87.3	1.70
Pepin	89	91.4	97	93.3	93	89.7	87	81.1	87	90.1	91	92.9	94	89.6	85	87.9	95	93.1	80	81.0	1.50
Trempealeau	96	95.3	92	93.7	94	90.7	92	77.9	91	92.9	87	88.7	82	83.9	96	81.6	93	90.9	96	85.9	1.73
Vernon	97	93.9	100	94.4	98	93.4	100	86.7	92	93.9	94	87.7	88	83.3	98	82.3	101	87.6	57	81.1	1.40
Central District.	94.3	91.9	89.7	93.1	91.5	87.7	83.1	86.5	91.0	92.4	90.1	88.0	88.4	84.5	91.1	86.4	94.1	90.5	73.4	83.8	1.40
Adams	95	91.3	93	91.0	93	85.9	82	87.3	90	93.0	87	85.4	74	80.0	65	87.4	97	86.7	80	81.6	1.39
Green Lake	88	94.4	76	93.9	84	93.6	85	85.0	90	92.0	78	90.9	72	87.7	82	90.0	86	94.9	45	83.4	1.30
Juneau	92	92.9	83	93.1	90	88.6	78	84.7	89	92.4	82	88.7	67	85.4	60	85.3	92	91.4	61	81.0	1.66
Portage	89	89.4	88	91.1	87	86.3	80	87.3	90	91.6	89	82.6	83	83.1	88	84.3	92	86.0	80	86.4	1.45
Marquette	97	91.6	97	93.1	94	90.4	89	90.9	89	93.6	90	88.9	89	85.9	90	88.0	91	93.1	54	85.1	1.52
Waupaca	96	93.0	89	92.1	95	89.9	96	87.3	95	91.9	90	88.0	84	86.1	100	85.7	91	90.4	89	86.1	1.53
Waushara	95	91.9	97	93.6	91	87.1	88	89.3	96	92.9	92	87.9	96	84.9	102	87.9	92	90.4	76	82.9	1.38
Wood	97	94.4	92	92.7	93	83.3	100	82.0	90	92.1	101	89.0	104	82.4	87	83.7	103	93.0	90	86.7	1.25
Eastern District.	94.4	91.6	94.3	91.5	89.9	88.7	74.9	84.7	93.4	90.9	82.3	87.8	78.1	87.0	80.8	86.5	91.8	88.4	78.7	86.9	1.36
Brown	93	87.3	97	88.3	102	86.0	99	85.3	95	86.4	88	84.4	83	85.6	96	84.9	88	87.6	90	82.3	1.48
Calumet	92	87.4	92	86.9	91	87.1	72	80.3	83	86.1	82	86.0	78	83.1	85	80.7	80	85.9	45	87.0	1.48
Dodge	101	93.4	97	92.6	94	92.3	80	88.0	98	93.4	82	90.9	75	89.9	79	90.9	107	91.6	80	89.0	1.35
Fond du Lac	96	93.9	96	92.9	94	89.6	87	84.3	96	92.1	90	90.9	91	86.9	101	86.6					

**CABBAGE AND ONION PROSPECT GOOD**

Indications are that the acreage of both cabbage and onions will be larger than last year. Condition on June 1, compared to June 1 last year and the 10-year average for these and other crops are as follows: Cabbage, 94%, 89% and 91.5%; onions, 98%, 89%, and 90.9%; sugar beets, 91%, 90%, and 91.3%; field beans, 93%, 91%, and 93.6%; field peas, 93%, 92%, and 91.1%. Condition of cherries is 91%, compared to 70% last year; of canning peas, 95%.

**FARM LABOR**

Wages paid to hired farm hands are approximately 15% lower than a year ago. Average wages for year hands are: With board, \$34.10 per month as compared with \$40.50 per month a year ago; without board, \$49.60 per month as compared with \$58.00 per month a year ago. Average wages when hired for crop season only are: With board, \$37.50 as compared to \$44.50 last year; without board, \$53.60 as compared with \$62.00 last year.

The number of hired hands on farms increased 19% during the month. The inquiry concerning the number of hired hands, which is made jointly with the Industrial Commission, shows that more hired farm hands were employed than in July 1920. Index figures are as follows:

June 1, 1922.....	109.6
May 1, 1922.....	92.1
Jan. 1, 1922.....	51.8
Jan. 1, 1921.....	56.7
July 1, 1920.....	100.0

**MILK PRICE DECLINES SLIGHTLY**

The average price received by farmers during May for milk was \$1.42 per cwt. as compared to \$1.50 for April, \$1.37 for May 1921, and \$2.62 for May 1920.

**WEATHER SUMMARY**

The month as a whole was considerably warmer and slightly drier than usual, with practically the normal amount of sunshine. With one exception it was the warmest May since the beginning of state-wide records in Wisconsin; the exception being May, 1896, when the mean temperature for the state was 62.9°, or 2.0° higher. The high average temperature was caused by almost continuous moderately warm weather, rather than by any particularly hot spells. The highest temperatures occurred in most localities on the 10th or 11th, and ranged from 75° to 92°. Freezing weather occurred in several northern counties on a number of dates. The rainfall was well distributed, both through the month and over the State. The amount was slightly deficient, considering the State as a whole, but there was a moderate excess in many localities. Moisture was rather seriously needed in southern counties about the middle of the month, but in most localities the drought was broken on the 18th or 19th. Considerable property loss resulted from a severe local squall at Trimble, Pierce County, on the 3rd, and a property loss estimated at \$130,000 was caused by a flood in the Rock River in the vicinity of Janesville and Beloit, on May 25th and 26th. On the whole the weather in May was favorable for agriculture and at the close of the month all crops were doing well.—W. P. Stewart, U. S. Weather Bureau.

# WISCONSIN'S GREATEST STATE FAIR

## WEST ALLIS, AUG. 28--SEPT. 2



# WISCONSIN MONTHLY CROP AND LIVESTOCK REPORTER

JOSEPH A. BECKER, Agricultural Statistician

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## CROP SUMMARY FOR JULY 1.

CROP	Area in Thousands			Production in Thousands				Condition—Per Cent of Normal			
	1922 Preliminary	1921	1916-20 Average	July, 1922 Forecast	June, 1922 Forecast	1921	1916-20 Average	July 1, 1922	June 1, 1922	July 1, 1921	July 1, 1911-20 Average
Corn, bu.	2,219	2,110	1,853	88,871	—	97,482	69,139	89	—	95	83.9
Potatoes, bu.	325	315	302	33,222	—	21,420	28,751	90	—	85	90.0
Tobacco, lbs.	39.5	47.9	47.1	43,798	—	61,406	57,863	84	—	91	92.8
Oats, bu.	2,537	2,632	2,317	97,040	98,968	63,958	95,497	90	94	90	92.3
Barley, bu.	468	473	588	13,379	14,145	10,642	18,514	87	93	84	91.7
Rye, bu.	423	328	360	7,545	7,628	4,756	5,661	91	92	88	90.5
Winter Wheat, bu.	98	89	81	1,911	1,896	1,424	1,729	83	82	80	87.5
Spring wheat, bu.	91	125	269	1,526	1,556	1,338	4,601	86	90	76	91.0
Clover (grown alone), tons.	277	218	174	494	451	272	303	90	84	65	88.3
Timothy (grown alone), tons.	479	538	674	733	—	707	1,028	90	—	73	87.2
Clover and timothy (mixed), tons.	1,999	1,897	1,944	3,289	—	2,428	3,229	90	—	75	88.5
Alfalfa, tons.	92	131	71	218	199	343	190	80	75	91	89.0
Other tame hay, tons.	399	280	65	583	—	398	94	86	—	82	89.0
All tame hay tons.	3,246	3,064	2,928	5,317	5,170	4,148	4,844	90	88	75	88.5
Wild hay, tons.	375	364	341	489	495	437	479	90	88	75	88.5
Cabbage, tons.	17.3	11.0	14.7	146	—	57	115	92	—	80	90.3
Onions, bu.	1.3	1.1	1.0	312	—	100	318	89	—	83	90.5
Sugar beets, tons.	13.3	19.4	18.2	114	—	171	170	87	—	84	90.5
Other root crops, tons.	9.5	8.5	8.0	—	—	70	—	—	—	—	—
Canning Peas, cwt.	65.7	58.7	52.3	—	—	788	931	—	—	—	—
Hemp, lbs.	2.5	8.0	5.5	—	—	6,400	5,219	87	95	—	—
Dry Peas, bu.	32.4	35.2	58.6	496	—	433	911	91	—	75	90.8
Dry Beans, bu.	7.0	4.9	19.1	74	—	50	180	89	—	83	90.4
Soy Beans for Seed, bu.	7.0	3.5	3.0	—	—	29	—	—	—	—	—
Flax or Seed, bu.	5.9	5.6	6.1	72	—	59	65	88	—	83	90.4
Sorghum Syrup, gal.	2.5	2.5	3.5	178	—	175	—	88	—	90	—
Apples, bu.	—	—	—	1,553	1,487	1,050	1,741	76	84	50	77.8
Cranberries, bbls.	1.9	1.6	1.8	58	—	29	37	—	—	—	—
Cherries.	—	—	—	—	—	—	—	94	91	55	—
Pasture.	—	—	—	—	—	—	—	90	—	75	92.0
Tomatoes.	—	—	—	—	—	—	—	90	—	86	—
Grapes.	—	—	—	—	—	—	—	—	—	—	—
Blackberries and Raspberries.	—	—	—	—	—	—	—	91	—	82	—
Watermelons.	—	—	—	—	—	—	—	90	—	77	—
Muskmelons and Canteloupes.	—	—	—	—	—	—	—	87	—	87	—

### CROPS GENERALLY ABOVE AVERAGE

General crop conditions in Wisconsin on July 1 were 101.1% of the 10-year average (not the normal) as compared to 93.7% a year ago and 102.6% in 1920. Because of the excellent growth made during the first two weeks of June, corn is above average in condition. Small grain declined somewhat, while hay made excellent growth and promises one of the best crops in years.

United States:—General crop conditions in the United States are 97.9% of average as compared to 96.4% on July 1 last year and 99.7% in 1920.

### CULTIVATED CROPS INCREASE 110,000 ACRES

A substantial increase in the acreage of cultivated crops is the outstanding feature of the 1922 crop season. The combined acreage of corn, potatoes, tobacco, cabbage, onions, and sugar beets is estimated at 2,615,000 acres, a 4% increase over the 2,505,000 acres in these crops last year. Of the cultivated crops, corn acreage increased 5%, potatoes 3%, cabbage 30%, and onions 20%; while tobacco acreage decreased 16% and sugar beets 32%.

United States:—The combined acreage of corn, potatoes, and tobacco in the United States increased from 109,138,000 acres last year to 109,225,000 this year.

### CORN AREA 5 PER CENT LARGER

The continued increased use of corn as silage and the three successful crops during the past three years have further stimulated the production of this crop in Wisconsin. Area is estimated at 2,219,000 acres as compared to 2,110,000 in 1921 and a 5-year average (1916-20) of 1,853,000 acres. Production forecasted from July 1 condition is 88,871,000 bushels as compared to 97,482,000 bushels produced last year and a 5-year average production of 69,139,000. Condition on July 1 was 89% of normal, compared to 95% on July 1 last year and a 10-year average (1911-20) of 83.9%. The crop was well advanced on June 15th, but has stood still since that time due to cool weather.

United States:—Area planted to corn in the United States is given at 103,234,000 acres as compared to 103,850,000 harvested last year and a 5-year average of 105,072,000 acres. Production is estimated to be 2,860 million bushels, compared to 3,080 million produced in 1921 and a 5-year

average of 2,830 million bushels. Condition on July 1 was 85.1% of normal, compared to 91.1% on July 1 last year and a 10-year average of 84.8%.

#### POTATO PLANTINGS LARGEST ON RECORD

Increased planting of late potatoes in northeastern counties and of early potatoes in southeastern counties have increased the acreage of potatoes this year to 325,000 acres as compared to 315,000 last year and a 5-year average of 302,000 acres. The stand of potatoes is, with few exceptions, excellent. Production is forecasted at 34,222,000 bushels, compared to 21,420,000 produced last year and a 5-year average of 28,751,000 bushels. Condition on July 1 was 90%, compared to 85% on July 1 last year, and a 10-year average of 90.0%.

*United States:*—Area planted to potatoes in the United States is estimated at 4,228,000 acres as compared to 3,815,000 acres last year and a 5-year average of 3,889,000. Condition on July 1 was 87.3%, compared to 83.4% last year and a 10-year average of 87.8%. Production on basis of July 1 condition is given at 429 million bushels, compared to 347 million last year and a 5-year average of 373 million bushels.

#### TOBACCO GROWERS REDUCE ACREAGE 16 PER CENT

Wisconsin tobacco growers have decreased the acreage planted to this crop from 47,900 acres to 39,500 acres. The 5-year average acreage is 47,100 acres. Production is forecasted at 43,798,000 pounds as compared to 61,406,000 pounds last year and a 5-year average of 57,863,000. Condition on July 1 was 84%, compared to 91% last year and a 10-year average of 92.8%.

*United States:*—Acreage of tobacco in the United States is estimated at 1,763,000 acres, compared to 1,473,000 in 1921 and a 5-year average of 1,698,000 acres. Production is estimated at 1,415 million pounds, compared to 1,075 million pounds produced in 1921 and a 5-year average of 1,378 million.

#### CABBAGE AREA 57 PER CENT GREATER THAN LAST YEAR

Acreage of cabbage was greatly increased this year. This was caused largely by the high prices received for the short crop of 1921 and, to a smaller extent, by the decreased sugar beet contracts in Milwaukee, Racine and Kenosha counties. Acreage is estimated at 17,300 acres, compared to 11,000 in 1921, 16,100 in 1920 and a 5-year average of 14,700 acres. The stand of cabbage is excellent and condition on July 1 is estimated at 92%, compared to 80% last year and a 10-year average of 90.3%. Production is forecasted at 146,000 tons, compared to 57,000 tons in 1921 and a 10-year average of 115,000 tons.

#### SUGAR BEET AREA SMALLER

Sugar beet acreage in Wisconsin is estimated at 13,300 acres, compared to 19,400 acres in 1921, and a 5-year average of 18,200 acres. Condition on July 1 is estimated at 87%, compared to 84% last year and a 10-year average of 90.5%. Forecasted production is given at 114,000 tons, compared to 171,000 tons last year and a 5-year average of 170,000 tons.

#### ONION ACREAGE 20 PER CENT LARGER

Acreage of onions is estimated at 1,300 acres, compared to 1,100 last year and a 5-year average of 1,000 acres. Condition is given at 89%, compared to 83% last year and a 10-year average of 90.5%. Production is forecasted at 312,000 bushels, compared to 100,000 in 1921 and a 5-year average of 318,000 bushels.

#### SMALL GRAINS DECLINE IN CONDITION

The Wisconsin small grain prospect declined nearly 3,000,000 bushels during June. These crops were, because of the wet spring, relatively shallow rooted and their condition was impaired by the relative shortage of moisture during the last two weeks of June. All are headed out at below average height. Total prospect is 121,401,000 bushels, compared to 124,193,000 bushels forecasted on June 1, 82,118,000 produced last year and a 5-year average (1916-20) of 126,002,000 bushels.

*United States:*—The small grain crop of the United States on the basis of July 1 condition will total 2,267 million bushels, compared to the June forecast of 2,431 million, a production of 2,065 million bushels last year, and a 5-year average of 2,477 million.

#### OATS PROSPECT STILL ABOVE AVERAGE

The condition of oats declined 4% during June—from 94% on June 1 to 90% on July 1—compared to 90% last year and a 10-year average of 92.3%. Production is now forecasted at 97,040,000 bushels, compared to 98,968,000 on June 1, 63,958,000 bushels produced in 1921 and a 5-year average of 95,497,000.

*United States:*—The United States crop of oats is estimated from July 1 condition at 1,187 million bushels, compared to 1,305 million on June 1, 1,061 million bushels produced last year and a 5-year average production of 1,413 million bushels. Condition is given at 74.4%, compared to 85.5% on June 1, 77.6% on July 1 last year and 10-year average of 85.5%.

#### BARLEY CROP BELOW AVERAGE

The Wisconsin barley crop is now estimated at 13,379,000 bushels, compared to 14,145,000 on June 1, 10,642,000 bushels produced last year and a 5-year average of 18,514,000. Condition on July 1 was 87%, compared to 93% on June 1, 84% last July, and a 10-year average of 91.7%.

*United States:*—The United States crop of barley is now estimated at 182 million bushels, compared to 191 million on June 1, 151 million bushels produced in 1921, and a 5-year average of 197 million bushels. Condition on July 1 averaged 82.5%, compared to 90.1% on June 1, 81.4% on July 1 last year, and a 10-year average of 86.6%.

#### RYE PROSPECT REMAINS EXCELLENT

The Wisconsin rye crop is estimated at 7,545,000 bushels as compared to 7,628,000 bushels forecasted from June 1 condition, 4,756,000 bushels produced in 1921 and a 5-year average of 68 million. Condition on July 1 was 90.0%, compared to 92% on June 1, 88% on July 1 last year, and a 10-year average of 90.5%.

*United States:*—The rye crop of the United States is forecasted at 82 million bushels as compared to 81 million on June 1, 58 million bushels produced in 1921 and a 5-year average of 68 million. Condition on July 1 was 90.0%, compared to 92.5% on June 1, 86.9% on July 1 last year, and a 10-year average of 86.5%.

#### WHEAT HOLD-OVER SMALL

Winter wheat production on the basis of July 1 condition is estimated at 1,911,000 bushels as compared to 1,896,000 forecasted on June 1, 1,424,000 bushels produced last year, and a 5-year average of 1,729,000. Condition on July 1 was 83%, as compared to 82% the previous month, 80% a year ago and a 10-year average of 87.5%.

Spring wheat production is estimated at 1,526,000 bushels as against 1,556,000 bushels forecasted on June 1, 1,338,000 bushels produced last year and a 5-year average of 4,601,000. Condition on July 1 was 86%, compared to 90% last month, 76% on July 1, 1921, and a 10-year average of 91.0%.

Total wheat production is forecasted at 3,437,000 bushels as compared to 3,452,000 bushels last month, 2,762,000 bushels produced last year, and a 5-year average crop of 6,330,000 bushels.

Wheat on farms on July 1 is estimated to be 124,000 bushels (4.5% of the 1921 crop), as compared to 412,000 bushels a year ago (8.0% of 1920 crop), and a 5-year average of 252,000 bushels (4.1% of the 1915-19 crops).

*United States:*—The wheat crop of the United States is estimated at 817 million bushels, compared to 855 million bushels forecasted on June 1, 1,795 million bushels produced last year and a 5-year average of 799 million.

The amount of wheat remaining on farms on July 1 is estimated at 31,641,000 bushels, as compared with 56,707,000 on July 1, 1921, and 33,442,000 the average of stocks for the five years 1916-20.

Winter wheat production is estimated at 569 million bushels compared to 607 million forecasted on June 1, 587 million bushels produced last year and a 5-year average of 566 million bushels. Condition on July 1 was 77.0%, com-



## PRELIMINARY ACREAGE ESTIMATES WISCONSIN CROPS, 1922, AND FINAL ESTIMATES, 1921, IN ACRES

COUNTIES	Corn		Oats		Barley		Rye		Winter Wheat		Spring Wheat	
	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921
Northwestern District.....	279,380	256,546	430,900	470,055	83,600	87,610	69,120	43,847	6,540	5,495	20,000	24,835
Barron.....	25,250	23,607	43,600	48,378	10,500	9,563	3,940	1,643	100	73	200	374
Bayfield.....	1,310	1,192	8,400	7,805	1,200	1,192	590	295	950	847	300	520
Burnett.....	12,540	11,292	13,300	13,384	1,200	1,060	1,880	1,677	720	361	1,600	2,167
Chippewa.....	32,390	30,273	50,600	56,836	3,700	4,626	11,040	3,155	370	262	800	1,311
Douglas.....	2,420	1,728	6,800	7,880	500	723	1,130	943	270	109	500	565
Dunn.....	51,220	47,431	68,700	65,896	8,500	10,399	5,990	6,308	2,110	2,069	3,400	3,529
Eau Claire.....	24,910	23,500	44,500	49,366	4,900	6,131	16,940	11,290	840	763	2,100	3,168
Pierce.....	35,070	33,086	49,000	54,405	20,100	21,631	11,130	9,279	500	456	7,200	7,862
Polk.....	33,570	30,243	49,600	50,591	7,900	8,805	2,750	1,528	150	146	1,500	2,069
Rusk.....	4,440	3,464	8,800	8,842	700	816	540	180	20	16	-----	61
St. Croix.....	46,700	42,450	83,900	92,190	22,400	21,065	10,080	6,298	430	313	2,200	2,985
Sawyer.....	2,160	1,203	4,500	4,635	500	418	520	174	10	11	-----	40
Washburn.....	7,400	7,047	9,200	9,847	1,500	1,181	2,590	1,079	70	69	200	184
Northern District.....	56,460	49,490	148,100	155,062	21,900	22,639	12,450	9,188	2,230	1,651	2,100	1,913
Ashland.....	490	350	6,300	6,704	1,100	1,007	470	222	530	407	300	282
Clark.....	28,100	26,022	41,800	45,041	8,100	7,376	2,950	1,342	190	132	300	311
Iron.....	240	230	2,200	2,000	200	256	70	45	90	72	100	91
Lincoln.....	2,180	1,915	12,900	11,857	1,000	1,164	900	347	70	53	200	156
Marathon.....	19,910	17,165	58,400	62,808	9,200	10,546	6,000	5,458	1,250	892	800	699
Oneida.....	1,190	989	6,800	6,944	200	214	660	624	30	26	100	64
Priest.....	1,240	750	6,900	6,179	500	520	240	215	20	19	100	146
Taylor.....	2,510	1,568	10,000	11,168	1,500	1,428	1,020	849	40	37	100	73
Vilas.....	600	501	2,800	2,605	100	128	140	86	16	13	100	91
Northeastern District.....	89,570	81,317	132,600	138,440	17,600	21,211	32,050	22,230	8,780	7,664	3,100	4,526
Door.....	14,840	13,018	27,900	26,116	5,300	7,541	9,640	7,142	4,180	2,325	2,000	2,807
Florence.....	1,040	830	2,600	2,487	500	422	260	196	80	76	100	90
Forest.....	340	280	3,900	3,468	400	303	130	101	10	13	-----	80
Langlade.....	3,320	2,371	16,400	14,644	2,400	1,951	1,000	768	130	122	200	203
Marquette.....	15,910	14,731	19,400	20,183	1,500	1,525	5,450	3,632	520	466	200	331
Oconto.....	20,180	19,782	25,800	29,445	2,400	3,103	7,350	4,070	1,420	1,716	300	405
Shawano.....	33,940	30,305	36,600	42,097	5,100	6,366	8,220	6,321	2,440	2,946	300	513
Western District.....	213,770	200,970	321,400	339,002	49,100	50,125	36,300	27,371	12,900	11,847	13,900	22,505
Buffalo.....	36,950	33,897	58,400	57,837	12,000	12,948	3,460	1,924	1,490	1,730	3,200	3,800
Jackson.....	29,300	28,724	45,800	49,835	5,500	5,325	12,000	4,805	2,060	1,372	600	1,876
La Crosse.....	32,400	27,913	32,100	34,170	4,300	4,182	4,240	4,448	760	478	700	2,225
Monroe.....	34,830	34,488	50,700	57,038	7,100	7,106	4,130	3,930	880	838	800	2,448
Pepin.....	13,350	13,330	16,500	16,791	5,100	4,249	5,740	5,574	980	651	2,000	3,092
Trempealeau.....	32,950	31,993	68,900	75,703	7,600	8,912	6,500	6,484	4,650	3,579	3,900	6,186
Vernon.....	33,990	30,625	49,000	47,628	7,500	7,403	230	206	2,080	3,190	2,700	2,968
Central District.....	225,860	218,008	200,900	221,545	20,600	18,566	162,830	137,405	5,360	3,737	3,000	4,408
Adams.....	25,480	25,998	10,500	13,124	500	558	31,570	25,883	40	45	100	259
Green Lake.....	29,750	28,879	25,600	30,816	8,200	6,635	8,860	6,566	3,800	1,651	1,900	2,038
Juneau.....	25,250	24,750	29,800	32,037	3,900	3,063	10,980	8,449	800	810	200	756
Portage.....	24,410	23,473	36,800	39,896	600	808	31,120	27,784	60	56	100	205
Marquette.....	22,460	22,684	11,400	12,085	600	417	26,320	22,687	270	246	200	474
Waupaca.....	40,780	36,400	43,500	44,798	2,600	3,341	6,580	7,006	770	811	200	262
Waushara.....	36,580	35,858	20,800	22,932	400	559	38,980	33,595	90	87	200	272
Wood.....	21,150	19,948	22,500	25,857	3,500	3,155	8,420	5,435	30	31	100	142
Eastern District.....	372,330	356,150	546,900	534,875	110,300	114,935	59,440	39,824	41,620	36,338	22,400	30,400
Brown.....	20,280	18,610	44,100	42,815	10,300	10,158	8,040	5,192	2,860	1,909	1,800	1,865
Calumet.....	16,650	16,638	27,000	25,995	9,000	8,181	1,820	913	16,280	7,402	600	994
Dodge.....	74,030	73,297	100,900	96,073	16,600	20,325	4,990	3,327	4,560	4,784	5,200	6,176
Fond du Lac.....	60,080	57,770	71,300	74,867	21,900	17,497	6,830	4,405	1,830	1,661	3,300	3,047
Kewaunee.....	9,160	8,642	29,000	27,566	10,900	10,776	9,570	5,981	3,720	5,095	1,300	1,597
Manitowoc.....	22,050	22,051	52,200	51,666	12,900	16,960	13,620	9,391	590	847	500	1,085
Outagamie.....	46,160	44,382	47,800	53,128	6,800	8,198	1,500	1,467	1,040	1,037	1,300	2,912
Ozaukee.....	15,800	14,498	27,300	25,803	2,900	3,364	1,600	1,721	2,400	3,430	600	1,461
Sheboygan.....	41,040	38,721	58,400	53,219	5,900	6,281	4,590	2,549	3,280	5,972	1,700	3,368
Washington.....	31,830	29,205	45,700	41,882	7,700	6,906	5,260	3,763	780	632	4,100	5,178
Winnebago.....	35,250	32,336	43,200	41,861	5,400	6,289	1,630	1,115	790	632	4,100	5,178
Southwestern District.....	283,860	276,095	212,500	228,492	29,000	124,355	7,870	5,648	4,130	5,235	6,200	8,550
Crawford.....	29,330	27,669	24,100	26,169	2,200	2,588	490	411	1,760	1,599	2,400	2,431
Grant.....	104,000	104,864	72,600	84,442	7,300	5,455	1,420	942	450	702	1,400	2,613
Lafayette.....	68,170	64,926	46,200	49,122	6,300	5,225	320	269	100	121	1,400	1,822
Iowa.....	48,320	45,161	43,900	42,586	8,000	7,013	4,600	3,066	520	649	700	1,144
Richland.....	33,140	33,475	25,700	26,173	5,200	4,074	1,040	960	1,300	2,164	300	540
Southern District.....	439,040	423,591	327,300	334,684	90,400	89,202	31,380	30,711	11,270	9,358	8,700	11,891
Columbia.....	72,110	71,400	59,900	62,947	14,600	14,000	13,240	13,938	3,820	1,528	1,300	1,438
Dane.....	130,260	127,714	111,100	110,257	24,700	25,477	1,920	1,749	2,300	2,616	2,200	3,208
Green.....	68,890	65,610	44,000	44,350	10,400	9,783	580	729	170	164	900	1,016
Rock.....	102,610	96,799	49,700	54,559	33,000	32,658	7,560	6,053	670	649	3,700	5,530
Sauk.....	65,170	62,068	62,600	62,571	7,700	7,284	8,080	8,242	4,310	4,401	600	690
Southeastern District.....	258,640	247,701	206,500	209,704	45,700	44,397	11,920	11,502	5,200	7,176	11,800	15,642
Jefferson.....	54,360	52,272	51,000	53,076	4,400	3,645	2,250	2,099	1,710	3,421	2,000	2,610
Kenosha.....	30,290	28,630	23,200	22,486	5,600	4,889	400	670	160	419	1,800	3,111
Milwaukee.....	13,650	13,005	17,100	15,764	2,800	1,981	600	747	360	731	2,000	2,266
Racine.....	35,640	35,293	26,000	26,481	5,700	6,011	490	654	160	169	1,100	2,163
Walworth.....	70,550	69,851	41,500	44,212	20,500	22,628	1,830	1,951	1,110	1,210	1,700	2,277
Waukesha.....	53,520	48,650	47,700	47,685	6,700	5,243	6,350	5,381	1,700	1,226	3,200	3,275
State.....	2,218,910	2,109,868	2,537,100	2,631,859	468,200	473,040	423,360	327,728	98,030	88,501	91,200	124,760

pared to 81.9% on June 1, 77.2% on July 1 last year and a 10-year average of 81.0%.

Spring wheat crop is estimated at 248 million bushels, compared to 247 million last month, 208 million bushels produced in 1921, and a 5-year average of 233 million bushels. Condition on July 1 was 83.7%, compared to 90.7% on June 1, 80.8% on July 1 last year and a 10-year average of 85.7%.

## HAY CROP SHOWS GREAT IMPROVEMENT

The Wisconsin hay crop in 1922 will be one of the largest ever harvested in the State. Total production of all classes of hay is forecasted at 5,806,000 tons, as compared to 5,665,000 on June 1, 5,060,000 tons produced in 1921, and a 5-year average (1916-20) of 5,323,000 tons. Hay crops were benefited by cool weather during the past month. Clover especially made much progress during the month. The

## PRELIMINARY ACRES ESTIMATES WISCONSIN CROPS, 1922, AND FINAL ESTIMATES, 1921, IN ACRES

COUNTIES	Clover and Timothy Hay (Alone and Mixed)		Clover (Grown Alone)		Timothy (Grown Alone)		Alfalfa		Potatoes		Tobacco		Cabbage	
	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922	1921
Northwestern District.....	490,770	442,954	53,550	20,920	59,700	79,520	2,250	2,037	72,310	73,061	960	1,248	2,162	1,352
Barron.....	57,830	56,712	5,930	2,580	1,970	5,630	60	83	15,700	16,348	110	164	130	70
Bayfield.....	23,410	21,880	2,450	1,400	160	410	20	15	2,130	2,167			20	14
Burnett.....	16,360	14,234	3,810	1,190	2,040	2,610	200	177	5,560	5,674			2	2
Chippewa.....	58,110	58,691	1,580	990	11,420	15,230	210	246	13,670	14,088	300	394	280	235
Douglas.....	20,160	16,824	800	230	630	790	100	90	2,120	2,158			20	15
Dunn.....	56,640	47,234	4,200	2,100	5,640	7,840	300	255	7,070	7,689	380	443	10	4
Eau Claire.....	41,370	39,411	7,320	2,090	8,650	12,360	120	113	3,400	3,538	10	8	320	237
Pierce.....	48,370	39,651	10,340	2,720	10,560	12,280	570	455	1,620	1,797	80	124	570	317
Polk.....	48,460	45,286	8,780	3,520	3,170	7,040	280	265	6,350	6,232	60	94	40	26
Rusk.....	18,530	15,186	600	150	200	290	50	37	4,750	4,235			20	16
St. Croix.....	99,410	62,538	4,110	2,670	13,410	12,770	230	201	2,570	2,519	20	19	740	410
Sawyer.....	10,100	8,077	510	300	980	910	10	10	2,900	2,490				5
Washburn.....	22,020	17,230	3,120	780	870	1,360	100	90	4,380	4,126			10	7
Northern District.....	284,950	255,568	12,320	4,780	25,500	40,940	200	117	31,530	29,544			471	194
Ashland.....	18,320	17,453	770	430	410	1,020	10	5	1,320	1,333			2	2
Clark.....	81,850	71,806	1,800	400	9,650	16,930	20	13	3,520	3,998			410	103
Iron.....	7,680	6,135	360	200	220	220			810	753			2	2
Lincoln.....	20,680	19,698	350	220	1,120	1,580		1	3,070	2,741			2	2
Marathon.....	94,660	84,517	3,180	530	12,140	18,680	100	53	9,740	8,851			5	3
Oneida.....	10,490	9,206	1,520	470	540	540	10	6	6,150	5,587			10	9
Price.....	16,260	16,065	1,900	1,000	840	830	20	10	2,500	2,248			30	4
Taylor.....	31,350	27,507	1,440	360	460	800			2,680	2,395			10	9
Vilas.....	3,660	3,161	240	120	190	340	40	29	1,740	1,638				
Northeastern District.....	185,890	191,591	11,640	5,900	15,300	22,670	2,400	1,303	38,240	32,831			180	84
Door.....	33,010	36,681	2,500	1,000	3,190	4,980	1,800	521	3,400	3,267			6	6
Florence.....	5,200	4,858	210	120	540	640	10	15	1,260	1,050			1	1
Forest.....	7,050	6,243	310	170	860	1,010	10	11	2,510	2,241			2	2
Langlade.....	23,200	23,227	660	330	930	2,070	100	196	7,790	6,282			1	1
Marquette.....	23,830	26,475	2,890	1,700	2,280	3,160	180	164	10,960	8,669			60	10
Oconto.....	46,840	47,810	1,850	970	3,960	4,710	270	213	5,870	5,636			50	32
Shawano.....	46,760	46,297	3,220	1,610	3,540	6,100	530	293	6,450	5,656			60	32
Western District.....	293,870	275,938	29,840	15,290	41,590	57,110	2,280	1,431	12,970	12,404	11,000	13,088	162	190
Buffalo.....	35,440	33,754	2,390	1,020	6,590	8,900	170	95	1,600	1,353	100	118	2	2
Jackson.....	34,780	31,056	2,500	1,250	3,200	6,030	130	108	2,680	2,579	540	719	20	13
La Crosse.....	22,940	24,264	2,110	640	2,750	4,660	880	548	1,130	1,155	220	293	40	27
Monroe.....	58,470	53,149	5,400	1,800	8,510	12,150	330	186	3,000	2,965	930	1,189	30	113
Pepin.....	11,270	11,475	1,390	1,160	1,630	2,090	150	133	720	726			60	27
Trempealeau.....	52,640	48,293	7,340	4,320	7,030	10,650	160	90	2,000	1,919	1,080	1,204		
Vernon.....	78,330	73,947	8,740	4,640	11,880	12,630	460	271	1,840	1,707	8,130	9,565	10	8
Central District.....	228,650	209,470	30,040	19,730	37,120	50,080	2,960	2,107	81,010	83,475	180	208	388	249
Adams.....	8,790	9,772	1,260	1,400	2,840	3,460	100	85	5,870	6,518			1	1
Green Lake.....	15,160	15,959	5,130	5,400	2,780	3,470	400	354	2,000	2,002			2	2
Juneau.....	26,650	25,377	4,590	3,530	8,330	10,030	120	104	6,780	6,985	160	186	25	35
Portage.....	44,000	40,006	1,670	1,150	9,000	10,660	130	112	24,930	25,702			10	7
Marquette.....	10,890	10,887	3,320	3,090	580	1,150	110	98	4,290	4,466				
Waupaca.....	47,980	45,694	6,940	2,240	3,160	7,020	1,600	939	18,700	18,739			230	129
Waushara.....	26,040	20,829	4,850	1,940	6,510	8,350	470	390	14,450	14,905				
Wood.....	49,140	40,947	2,280	380	3,800	5,940	30	25	3,990	4,158	20	22	120	75
Eastern District.....	495,910	517,528	60,170	62,510	138,320	129,110	38,270	38,505	38,310	34,987	20	22	5,290	3,320
Brown.....	71,640	67,586	3,180	2,890	15,420	16,330	470	385	3,640	3,643	5	6	810	451
Calumet.....	24,000	32,008	4,100	3,280	15,160	11,660	3,500	2,492	950	830			10	6
Dodge.....	43,420	51,081	3,800	8,450	17,280	11,520	2,900	7,252	4,550	3,917	15	16	140	87
Fond du Lac.....	57,800	55,577	14,870	12,600	16,800	15,000	12,600	10,106	4,910	4,310			510	338
Kewaunee.....	34,730	41,343	3,840	3,970	6,110	6,110	250	177	1,290	1,321				
Manitowoc.....	67,500	68,880	9,480	9,200	17,180	16,360	2,080	1,856	2,240	2,306			10	11
Outagamie.....	56,240	52,073	2,840	1,580	7,310	10,910	1,190	819	4,940	4,698			3,590	2,245
Ozaukee.....	25,300	26,634	5,440	5,390	12,930	11,750	2,440	2,415	3,210	2,842			40	29
Sheboygan.....	46,380	46,854	6,980	7,350	13,010	11,510	7,480	5,668	3,370	2,986			30	21
Washington.....	27,540	32,408	3,910	6,010	13,640	9,410	2,890	4,671	6,280	5,233				
Winnebago.....	41,360	43,084	2,500	1,920	5,620	8,650	2,920	2,665	2,930	2,901			150	132
Southwestern District.....	331,210	318,050	27,260	26,700	55,330	58,340	6,000	7,292	7,710	7,496	2,950	3,649	43	40
Crawford.....	46,050	45,601	3,360	3,360	3,420	4,880	430	329	1,050	1,035	2,290	2,758	20	16
Grant.....	106,730	97,916	11,800	11,350	11,030	10,710	730	705	3,300	3,027	170	312	20	21
Lafayette.....	61,710	60,506	3,860	3,680	12,530	11,390	1,080	2,407	1,220	1,282			1	1
Iowa.....	62,840	62,219	5,030	5,130	12,280	14,450	1,960	2,469	1,100	1,122				
Richland.....	53,880	51,808	3,210	3,180	16,070	16,910	1,790	1,382	1,040	1,030	490	574	2	2
Southern District.....	281,540	270,841	31,270	35,470	58,090	54,200	16,190	30,461	21,630	21,360	23,980	29,165	531	254
Columbia.....	45,090	39,210	6,270	5,600	12,200	9,610	850	681	6,200	6,232	2,400	3,194	210	129
Dane.....	90,130	85,844	8,740	10,530	15,070	11,080	3,770	6,494	4,450	4,245	15,810	18,597	140	73
Green.....	40,650	40,650	4,140	5,910	7,470	6,790	6,790	16,512	1,290	1,317	200	236	1	1
Rock.....	51,270	52,317	6,870	7,460	11,840	13,930	3,900	6,076	3,040	2,899	5,560	7,130	180	51
Sauk.....	54,400	52,820	5,250	5,970	11,510	12,790	910	698	6,650	6,667	10	8		
Southeastern District.....	161,840	171,167	20,550	26,650	48,520	46,450	21,360	48,001	20,850	20,059	430	564	8,040	5,293
Jefferson.....	25,310	25,830	6,890	8,580	5,420	3,500	2,180	12,144	1,550	1,528	430	561		
Kenosha.....	22,020	20,020	1,560	890	6,290	8,610	4,230	4,700	1,560	1,643			2,620	1,766
Milwaukee.....	18,870	20,744	1,310	1,750	6,650	6,790	740	2,640	5,790	5,569			1,270	833
Racine.....	27,610	28,465	2,390	1,360	5,760	7,780	3,510	5,397	3,170	3,015			3,940	2,527
Walworth.....	40,140	36,831	7,390	8,400	7,610	7,050	4,960	7,966	1,870	1,906			150	103
Waukesha.....	27,890	39,277	1,130	5,670	16,790	12,720	5,740	15,124	6,910	6,398			60	144
State.....	2,754,630	2,653,107	276,640	217,950	479,470	538,420	92,360	131,254	324,560	315,217	39,520	47,944	17,267	10,976

crop in northern counties will be particularly large. Condition of all hay on July 1 was 90% of normal, compared to 88% on June 1, 75% on July 1 last year, and a 10-year average of 88.5%.

United States:—The hay crop of the United States is estimated at 107 million tons, compared to 106 million forecasted on June 1, 97 million tons produced in 1921, and a

5-year average of 102 million tons. Condition on July 1 was 88.8%, compared to 91.1% on June 1, 79.5% on July 1 last year, and a 10-year average of 85.3%.

## CLOVER HARVEST LARGE

Production of clover (grown alone) is estimated at 494,000 tons, compared to 451,000 tons forecasted on June 1,



## CONDITION OF WISCONSIN CROPS, JULY 1, 1922, AND 7-YEAR AVERAGE (1915-21) IN PER CENT OF NORMAL

COUNTIES	Corn		Potatoes		Oats		Barley		Rye		Winter Wheat		Spring Wheat		All Hay		Pasture		Tobacco	Cabbage	Farm Price Milk per Cwt. June, 1922
	1922	7-yr. Ave.	1922	7-yr. Ave.	1922	7-yr. Ave.	1922	7-yr. Ave.	1922	7-yr. Ave.	1922	7-yr. Ave.	1922	7-yr. Ave.	1922	7-yr. Ave.	1922	7-yr. Ave.	1922	1922	1922
Northwestern District.....	84.3	83.0	90.2	91.3	88.3	90.9	85.9	90.4	91.0	90.7	90.5	86.7	86.0	90.4	96.5	87.2	97.4	91.2	87.0	91.0	\$1.54
Barron.....	91	79.4	98.1	91.0	87	89.9	92	89.4	96	87.9	96	85.7	88	91.3	98	84.7	96	87.3	75	90	1.50
Bayfield.....	93	80.9	91.2	90.3	92	92.7	86	89.9	97	93.0	97	87.7	88	90.7	89	90.9	99	94.9	-----	94	1.50
Burnett.....	86	85.0	86	90.6	94	90.0	87	87.3	95	93.6	84	85.4	88	88.1	99	86.4	97	90.9	-----	88	1.44
Chippewa.....	82	83.3	91	92.8	91	94.0	92	92.3	92	93.9	96	87.9	92	92.1	98	86.0	103	91.6	90	93	1.44
Douglas.....	81	80.7	97	85.3	97	88.3	95	85.0	99	90.4	98	87.1	87	85.7	99	88.7	104	91.0	-----	94	1.42
Dunn.....	82	88.6	89	93.7	76	92.7	70	92.1	65	91.0	80	87.1	80	100.6	85	86.0	92	92.4	85	85	1.38
Eau Claire.....	79	83.9	90	93.7	84	89.1	81	92.0	72	91.9	92	86.3	84	89.3	84	86.4	89	92.4	-----	91	1.47
Pierce.....	78	83.6	90	92.7	80	95.3	85	94.7	95	91.9	92	87.1	83	93.7	94	95.1	96	96.1	95	90	1.00
Polk.....	80	82.4	85	91.4	86	89.7	85	87.6	99	88.1	95	85.1	92	89.5	88	86.7	89	90.6	80	92	1.6
Rusk.....	83	86.4	90	92.1	85	92.1	82	85.0	90	91.0	92	87.9	87	91.4	101	90.9	99	93.0	-----	95	1.40
St. Croix.....	82	81.3	82	88.1	90	93.1	95	91.9	98	85.7	87	90.0	80	92.7	94	85.7	90	88.1	-----	94	1.46
Sawyer.....	80	85.1	90	93.3	92	87.1	85	87.6	93	89.4	95	88.3	87	86.1	97	81.7	99	87.4	-----	90	1.50
Washburn.....	91	79.1	97	90.6	86	87.3	82	87.9	95	91.7	80	88.0	89	86.0	101	84.4	104	91.7	-----	93	1.50
Northland District.....	83.0	83.6	91.2	90.2	93.2	91.4	87.9	89.2	94.5	89.7	86.9	84.9	91.5	87.2	97.5	87.5	95.0	90.9	-----	85.6	1.3
Ashland.....	75	81.1	82	81.3	95	88.3	90	86.4	92	88.6	90	81.4	82	85.4	97	85.1	80	91.0	-----	88	1.52
Clark.....	74	83.0	83	91.4	88	94.0	86	90.7	92	90.1	82	83.7	90	89.0	91	88.3	90	92.3	-----	90	1.35
Iron.....	78	82.3	88	86.3	91	91.9	80	87.0	84	88.7	95	81.1	78	84.4	94	84.3	88	88.1	-----	94	1.75
Lincoln.....	90	81.6	94	83.0	96	88.0	90	89.4	100	88.3	88	86.6	92	86.3	101	86.1	99	90.4	-----	94	1.17
Marathon.....	85	84.3	90	91.1	92	92.6	88	90.1	93	91.3	90	84.1	94	88.7	100	88.6	99	91.4	-----	98	1.38
Oneida.....	90	80.3	101	87.9	96	90.4	99	90.1	98	92.0	85	88.9	95	88.7	89	85.3	95	88.6	-----	92	1.68
Price.....	88	82.0	93	89.9	100	88.3	98	86.3	94	84.7	90	86.7	90	86.4	100	86.6	96	89.3	-----	92	1.43
Taylor.....	76	82.0	98	91.0	89	91.7	84	88.3	95	90.1	90	85.7	89	86.3	104	88.3	102	93.7	-----	85	1.39
Vilas.....	95	82.6	95	89.3	97	90.0	80	84.9	96	89.9	85	81.7	76	85.9	102	80.0	88	88.3	-----	93	1.80
Northeastern District.....	85.3	81.6	88.2	91.1	91.4	89.1	89.8	88.7	96.1	88.7	92.0	88.0	87.5	89.5	95.0	82.6	91.7	87.3	-----	87.8	1.38
Door.....	82	80.3	92	91.3	87	85.6	79	84.6	98	87.6	84	88.7	72	88.6	85	80.3	82	80.3	-----	90	1.46
Florence.....	95	80.9	93	91.7	95	92.0	96	90.4	95	93.1	92	90.4	92	91.9	87	80.1	93	93.4	-----	90	1.50
Forest.....	93	77.3	96	92.0	94	93.1	91	88.9	104	92.1	92	90.4	93	92.6	99	84.4	93	89.9	-----	90	1.60
Langlade.....	96	77.0	90	90.9	88	88.9	95	91.3	98	89.9	94	87.9	92	89.5	95	86.3	90	93.9	-----	80	1.35
Marquette.....	82	83.0	90	92.1	96	91.3	95	89.3	95	89.1	86	87.4	92	92.4	90	78.4	86	81.0	-----	88	1.5
Oconto.....	79	76.7	84	88.1	91	87.7	92	86.7	91	86.0	91	85.6	92	85.9	94	81.9	91	84.3	-----	90	1.35
Shawano.....	84	84.7	82	91.3	90	91.0	86	90.3	97	89.6	95	89.1	83	90.1	97	82.9	97	89.0	-----	85	1.30
Western District.....	90.5	86.3	93.0	94.4	91.5	94.1	89.3	94.7	94.4	93.2	90.4	83.7	90.4	92.7	90.9	86.9	91.2	92.7	95.0	93.2	1.55
Buffalo.....	91	89.4	88	98.3	98	98.9	96	97.7	98	95.6	89	84.1	92	94.4	98	88.7	96	95.0	92	95	1.45
Jackson.....	84	83.4	89	92.0	85	94.3	84	94.6	90	92.6	81	84.4	85	90.6	83	81.6	88	88.9	85	88	1.59
La Crosse.....	93	88.7	96	97.3	92	94.4	98	98.1	96	96.1	96	88.6	96	96.7	91	90.3	91	95.7	92	98	1.65
Monroe.....	90	83.9	95	92.0	90	94.3	95	93.9	91	92.7	97	81.0	95	91.4	90	84.4	89	90.0	92	95	1.73
Pepin.....	89	84.7	84	91.0	79	91.0	78	91.3	94	91.7	83	85.6	88	89.9	98	93.4	90	94.6	-----	95	1.52
Trempealeau.....	87	88.6	96	94.1	93	95.4	80	95.1	99	90.9	91	79.1	91	91.4	90	87.1	91	92.0	94	98	1.55
Vernon.....	94	86.0	91	96.0	96	94.4	92	93.9	99	93.4	94	87.4	88	93.1	92	88.0	96	94.7	97	85	1.38
Central District.....	81.5	84.4	87.5	89.5	88.4	90.0	87.8	91.7	90.5	89.7	86.8	85.9	85.8	90.0	90.2	83.7	91.5	88.7	94.0	85.0	1.48
Adams.....	72	82.6	87	90.3	81	89.9	83	93.3	78	90.6	75	85.6	87	89.7	88	83.6	86	86.0	-----	92	1.35
Green Lake.....	75	84.0	87	87.4	83	89.4	65	92.4	90	92.7	87	85.0	90	91.7	76	82.0	92	87.6	-----	92	1.27
Juneau.....	82	83.3	88	91.6	92	92.7	85	93.1	94	89.7	88	84.1	85	92.0	89	86.1	92	89.4	95	87	1.62
Portage.....	81	84.7	83	86.9	89	89.7	85	89.3	94	88.3	80	82.9	85	89.3	82	75.0	86	85.6	-----	92	1.65
Marquette.....	83	83.3	88	84.4	88	88.0	96	92.7	87	88.0	90	86.9	78	87.6	90	84.4	95	90.0	-----	94	1.44
Waupaca.....	96	86.1	89	91.3	94	90.4	92	92.0	88	93.9	96	85.7	95	91.1	88	86.7	89	90.3	-----	80	1.64
Waushara.....	77	88.6	94	89.3	88	88.3	97	91.0	93	87.1	92	85.9	93	90.3	91	82.1	87	85.1	-----	94	1.39
Wood.....	75	80.9	87	92.1	91	92.1	86	91.1	96	90.3	90	86.4	90	91.4	102	86.7	102	95.3	90	85	1.40
Eastern District.....	88.7	82.5	89.9	89.9	91.6	90.1	91.1	89.0	92.4	89.9	79.1	85.9	84.0	88.8	88.5	85.6	86.2	84.4	-----	91.0	1.38
Brown.....	88	82.4	75	87.1	89	84.9	89	85.4	95	85.6	95	83.3	90	86.1	78	80.4	80	83.7	-----	88	1.48
Calumet.....	74	74.3	84	83.4	88	86.4	85	86.9	89	87.6	71	83.7	65	85.1	97	84.0	89	84.4	-----	92	1.51
Dodge.....	93	86.9	94	93.9	93	91.7	92	91.9	94	94.7	69	88.0	74	90.9	89	88.3	88	84.9	-----	95	1.26
Fond du Lac.....	87	81.6	92	92.6	92	91.7	93	91.1	89	91.4	87	86.4	88	90.4	96	85.7	90	85.4	-----	92	1.29
Kewaunee.....	90	86.7	92	93.0	100	88.2	94	85.7	102	87.6	92	85.9	96	86.6	96	78.3	99	8			

**CLOVER AND TIMOTHY MIXED PRINCIPAL HAY CROP**

Production of mixed clover and timothy is estimated to be 3,289,000 tons, as compared to 2,428,000 produced last year and a 5-year average of 3,229,000 tons.

**ALFALFA WILL PRODUCE GOOD ACRE-YIELD**

The 1922 alfalfa crop is estimated at 218,000 tons, as compared to 199,000 tons forecasted on June 1, 343,000 produced last year, and a 5-year average of 190,000 tons. Condition on July 1 was 80%, compared to 75% on June 1, 91% on July 1 last year, and a 10-year average of 89.0%.

**EMERGENCY HAY CROP ACREAGE 600% OF USUAL**

Production of millet, soybean hay, oats and peas, sudan grass, and other minor hay crops is estimated at 583,000 tons, compared to 398,000 produced last year and a 5-year average of 94,000 tons. Condition on July 1 was 86%, compared to 82% last July 1, and a 10-year average of 90%.

Acreage planted to other hays is exceptionally large this year. A considerable acreage has been planted to replace alfalfa and clover which were winterkilled in southern counties. Acreage is estimated at 399,000 acres, compared to 280,000 acres last year, and a 5-year average of 265,000 acres.

The total tame hay crop is estimated at 5,317,000 acres, compared to 4,148,000 acres in 1921, and a 5-year average of 4,844,000.

Production of wild or marsh hay is estimated at 489,000 tons, compared to 495,000 forecasted on June 1, 437,000 tons produced last year, and a 5-year average of 479,000 tons.

**PASTURES DECLINE IN SOUTHERN COUNTIES**

Pastures declined slightly in condition during June. In south-eastern counties they had become quite scant by July 1. Average condition was 90%, compared to 95% on June 1, 75% a year ago, and a 10-year average of 92%.

**United States:**—Condition of pastures in the United States on July 1 was 89.0%, compared to 93.8% on June 1, 80.8% on July 1 last year, and a 10-year average of 86.0%.

**APPLE PROSPECT INJURED BY WIND STORMS**

The Wisconsin apple crop is forecasted at 1,553,000 bushels, as compared to 1,487,000 forecasted on June 1, 1,050,000 bushels produced last year, and a 5-year average of 1,741,000. Condition on July 1 was 76%, compared to 84% on June 1, 50% on July 1, 1921, and a 10-year average of 72.8%.

**United States:**—The apple crop of the United States is estimated at 190 million bushels, as compared with 180 million forecasted on June 1, 98 million bushels produced last year, and a 5-year average of 179 million bushels. Condition on July 1 was 66.8%, compared to 72.7% on June 1, 35.3% last July 1, and a 10-year average of 60.9%.

**CRANBERRIES**

Acreage of cranberry bogs in bearing this year is estimated at 1,870 acres, compared to 1,600 acres last year. Growers estimate that the crop will be approximately double the short crop of last year.

**COMMERCIAL POTATO PROSPECT EXCELLENT**

The 1922 Wisconsin commercial potato movement is forecasted at 29,800 acres. This estimate is based upon July 1 condition. The final outcome will be greater or less depending on whether growing conditions during the balance of the season are above or below average. The 1921 commercial crop totaled 12,500 cars, compared to 19,900 cars of the 1920 crop, 21,820 cars of the 1919 crop, and 25,200 cars of the 1918 crop.

The area planted to potatoes in the 56 commercial counties of Wisconsin is estimated to be 3% greater than in 1921. A greatly increased acreage was planted in the northern and northeastern districts.

Conditions of potatoes in per cent of a normal yield average 92% for the commercial districts, compared to 74% a year ago, 92% in 1920 and 93% in 1919. The stand of potatoes is very good to excellent, except in a few scattered localities where seed rotted on the lowlands.

Quantity of seed planted per acre is given at 10.0 bushels, compared to 10.1 bushels last year and 9.4 bushels usually planted. A relatively high percentage of seed was No. 2 stock, or 37%, compared to 20% in 1921 and 42% in 1920. It is estimated that 23% of seed was chemically treated before planting as compared to 18% last year and 16% in 1920.

A summary by districts follows:

	Carlot Shipments			1922 Acreage Compared to 1921	Prospective Yield Per Cent of Normal
	Forecast 1922	1921 Crop	1920 Crop		
STATE.....	29,800	12,500	19,980	103.0	92.0
Northern.....	2,050	1,300	1,600	108	92
Northeastern.....	3,280	2,080	2,320	116	94
Barron-Eau Claire.....	8,300	3,350	4,460	98	90
Clark-Marathon.....	2,420	650	960	101	92
Monroe-Jackson.....	480	100	230	102	101
Waupaca-Portage.....	9,380	3,460	7,280	98	93
Door-Brown.....	320	200	300	100	95
Juneau-Columbia.....	2,610	840	2,190	96	96
Fond du Lac- Washington.....	630	520	640	110	93

**HONEY PRODUCTION LARGE**

The Wisconsin honey crop in 1922 is forecasted at 8,664,000 pounds, compared to 4,728,000 pounds produced in 1921 and 5,281,000 in 1920. Indications are that the yield per colony will be 90% of a full crop or 76 pounds per colony, as compared to 42.2 pounds in 1921 and 65.2 in 1920.

The spring nectar flow was very large. Alsike clover flow was exceptionally heavy. Average production of surplus honey per colony to July 1 is given at 35.7 pounds, as compared to 25 pounds last year and 20 in 1920.

Average condition of colonies on July 1 is estimated at 97%, compared to 90% last year and 85% in 1920. Condition of honey plants on July 1 was 94% of normal, compared to 67% last year and 96% in 1920.

**MILK PRICES INCREASE SLIGHTLY**

The average price received by farmers during June for milk was \$1.44 per cwt., as compared to \$1.42 during May, \$1.26 for June, 1921, \$2.44 for June, 1920.

**FARMERS TAKE ON MORE HIRED MEN**

The number of hired hands on farms increased 25% from June 1 to July 1. The inquiry concerning the number of hired hands, which is made jointly with the Industrial Commission, shows the following index numbers:

July 1, 1922.....	137.5
June 1, 1922.....	109.6
Jan. 1, 1922.....	51.8
Jan. 1, 1921.....	56.7
July 1, 1920.....	100.0

**SPRING PIG LITTERS AVERAGE 5.7 PIGS**

The average of spring litters saved (i. e., raised to age of one month) is given at 5.7 pigs, as compared to 6.0 pigs in 1921, 5.4 pigs in 1920, and 6.0 pigs in 1919.

**WISCONSIN LIVESTOCK**

Tabulation of returns from 3,200 Wisconsin farmers indicate the following changes in numbers of livestock on May 1 this year, as compared to May 1 last year:

Class of Animal	Number on Farms May 1, 1922, in Per Cent of Num- ber May 1, 1921
Horses.....	95
Milk cows.....	100
Other Cows.....	101
Dairy heifers (over 4 mo.).....	112
Other heifers (over 4 mo.).....	103
Steers (over 4 mo.).....	97
Bulls.....	102
Calves (under 4 mo.).....	101
All cattle.....	102
Brood Sows.....	106
Other Swine (over 4 mo.).....	89
Spring pigs.....	102
All Swine.....	99
Breeding ewes.....	89
Wethers and rams.....	87
Lambs.....	94
All Sheep.....	90
Poultry.....	102

It appears that the horse and sheep population continues its downward trend and that hogs are reduced in numbers because of larger marketings of fall hogs than during the previous season. Cattle have increased in numbers because of the increased number of heifers retained on farms.

**WEATHER SUMMARY**

Considering the State as a whole, June was warmer and slightly wetter than usual, with somewhat more than the normal amount of sunshine. During the greater part of the month the weather was moderately warm, but there were two cool spells, one at the beginning of the 1st, the other about the middle of the 3rd decade. During both of these periods slight damage from frost occurred in a few east central counties. Precipitation was unevenly distributed. While a considerable excess in many central and northern counties, there was a general deficiency in the southern part of the State. The drought was the most serious near the Illinois line, but in no southern county was there more than very light showers after the 13th. On June 9-10 hail, in some widely separate localities but mostly in northwestern counties, caused damage to crops estimated at over \$100,000. The tornadoes and wind storms of the 9-10th and 15-16th caused the loss of eight lives, over 100 personal injuries, and property damage at more than \$1,000,000, while a flood in the Fox River Valley during the early part of the month resulted in a property loss of about \$150,000. Notwithstanding serious damage in many sections from hail, wind and flood, the weather of the month as a whole was favorable for agriculture, and at its close crops in most localities were in fair to good condition.—W. P. Stewart, U. S. Weather Bureau.



UNITED STATES DEPARTMENT OF AGRICULTURE  
Bureau of Agricultural Economics  
H. C. TAYLOR, Chief

WISCONSIN STATE DEPARTMENT OF AGRICULTURE  
Division of Agricultural Statistics  
C. P. NORGORD, Commissioner

# WISCONSIN MONTHLY CROP AND LIVESTOCK REPORTER

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## CROP SUMMARY FOR AUGUST 1.

CROP	Area in Thousands			Production in Thousands				Condition—Per Cent of Normal			
	1922 Preliminary	1921	1916-20 Average	August 1922 forecast	July 1922 forecast	1921	1916-20 average	August 1 1922	July 1 1922	August 1 1921	August 1 1911-20 average
Corn, bu.....	2,219	2,110	1,853	86,874	88,871	97,482	69,139				
Potatoes, bu.....	325	315	302	37,674	33,222	21,420	28,751	87	89	92	83.7
Tobacco, lbs.....	39.5	47.9	47.1	44,473	43,798	61,406	57,863	92	90	51	85.1
Cabbage, tons.....	17.3	11.0	14.7	159	146	57	115	81	84	79	87.9
Onions, bu.....	1.3	1.1	1.0	350	312	100	318	95	92	56	88.0
Sugar beets, tons.....	13.3	19.4	18.2	119	114	171	170	94	89	60	88.7
								90	87	72	89.3
Oats, bu.....	2,537	2,632	2,317	103,865	97,040	63,958	95,497				
Barley, bu.....	468	473	588	14,531	13,379	10,642	18,514	92	90	58	88.4
Rye, bu.....	423	328	360	6,979	7,545	4,756	5,661	90	87	66	87.9
Winter wheat, bu.....	98	89	81	1,911	1,911	1,424	1,729	116.5	91	114.5	117.2
Spring wheat, bu.....	91	125	269	1,529	1,526	1,338	4,601	119.5	83	116.5	120.7
Buckwheat, bu.....	42	40	28	688		596	423	80	86	57	85.5
								91		78	88.8
Clover (alone), tons.....	277	218	174	471	494	272	303	11.70	90	11.25	11.80
Timothy (alone), tons.....	479	538	674	731	733	707	1,028	92	90	74	91.2
Clover and timothy (mixed), tons.....	1,999	1,897	1,944	3,267	3,289	2,428	3,229	93	90	73	92.4
Alfalfa, tons.....	92	131	71	231	218	343	190	85	80	86	89.1
Other tame hay, tons.....	399	280	65	583	583	308	94	86	86	80	88.7
All tame hay, tons.....	3,246	3,064	2,928	5,283	5,317	4,148	4,844	93	90	75	92.4
Wild hay, tons.....	375	364	341	495	489	437	479	93	90	75	92.4
Dry Peas, bu.....	32.4	35.2	58.6	507	498	433	911	90	91	58	88.8
Dry Beans, bu.....	7.0	4.9	19.1	78	74	50	180	92	89	74	89.6
Flaxseed, bu.....	5.9	5.6	6.1	77	72	59	65	92	88	70	90.8
Sorghum syrup, gals.....	2.5	2.5	3.5	182	178	175		89	88	85	
Apples, bu.....				1,771	1,553	1,050	1,741	77	76	42	66.4
Pasture.....								88	90	55	83.8

<sup>1</sup> Average yield per acre.

### GENERAL CROP CONDITIONS VERY GOOD

Composite condition of crops in Wisconsin on August 1 was 103.4% of the 10-year average (not the normal) as compared to 101.1% on July 1, 81.2% on August 1 last year, and 103.9% on August 1, 1920. The small grain outturn was greatly augmented by ideal ripening conditions in July; the hay prospect declined slightly but is still one of the largest on record; potatoes made a substantial increase; but corn declined somewhat. Profitable production of livestock products depends upon ample supplies of corn, oats and hay. A large production of oats and hay is assured; corn still remains uncertain.

United States:—General crop conditions in the United States are 101.2% of average as compared to 97.9% on July 1, 90.3% a year ago, and 105.3% on August 1, 1920.

### ALL CULTIVATED CROPS, EXCEPT CORN, IMPROVE

An increase of over 4,400,000 bushels in the potato prospect and a decrease of 2,000,000 bushels in the corn forecast are the outstanding items in the August 1 report on cultivated crops. Cabbage, onions, and sugar beets increased in condition; while tobacco declined.

### CORN CROP PROSPECT 2,000,000 BUSHELS LESS

Due largely to cool weather during July, the Wisconsin corn crop declined in condition from 89% on July 1 to 87% on August 1. This compares with a condition of 92% on last August and a 10-year average of 83.7%. The August

condition indicated a production of 86,874,000 bushels, as compared to 88,871,000 on July 1, 97,482,000 bushels produced last year, and a 5-year average of 69,139,000 bushels.

United States:—Production of corn in the United States is estimated from August 1 condition at 3,017 million bushels as compared to 2,860 million forecasted on July 1, 3,080 million bushels produced last year, and a 5-year average of 2,831 million bushels. Condition on August 1 was 85.6% of normal compared to 85.1% on July 1, 84.3% on August 1 last year, and a 10-year average of 79.5%.

### POTATO PROSPECT INCREASES 4,400,000 BUSHELS

With nearly a perfect stand, cool weather, and frequent rains, the Wisconsin potato crop made a notable improvement during July. Condition on August 1 was 92%, compared to 90% on July 1, 51% a year ago, and a 10-year average of 85.1%. Production forecasted from August 1 condition was 37,674,000 bushels as compared to 33,222,000 forecasted on July 1, 21,420,000 bushels produced last year, and a 5-year average of 28,751,000 bushels.

United States:—The potato crop of the United States is estimated at 440,000,000 bushels as compared to 429,000,000 forecasted on July 1, 347,000,000 bushels produced in 1921, and a 5-year average of 373,000,000 bushels. Condition on August 1 was 84.3%, compared to 87.3% on July 1, 65.8% on August 1 last year, and a 10-year average of 81.3%.

**TOBACCO CONDITION DECLINES**

Tobacco in Wisconsin declined from 84% on July 1 to 81% on August 1 as compared to 79% on August 1 last year, and 87.9% for a 10-year average. The forecasted production, however, is slightly larger, or 44,473,000 pounds, as compared to 43,798,000 forecasted on July 1, 61,406,000 pounds produced last year, and a 5-year average of 57,863,000 pounds. (Note:—As a crop approaches harvest a given condition indicates an increased prospect, since the hazard of damage from insects, disease, and unfavorable weather grows less.)

**United States:**—The tobacco crop of the United States is forecasted at 1,425,000,000 pounds as compared to 1,415,000,000 on July 1, 1,075,000,000 pounds produced in 1921, and a 5-year average of 1,378,000,000 pounds. Condition on August 1 was 80.9%, compared to 82.4% last year, and a 10-year average of 78.9%.

**CABBAGE PROSPECT INCREASES 13,000 TONS**

Production of cabbage is forecasted at 159,000 tons as compared to 146,000 on July 1, 57,000 tons produced last year, and a 5-year average of 115,000 tons. Condition on August 1 was 95%, compared to 92% on July 1, 56% a year ago, and a 10-year average of 88%.

**ONIONS INCREASE 38,000 BUSHEL**

Condition of onions on August 1 was 94%, compared to 89% on July 1, 60% a year ago, and a 10-year average of 88.7%. Production is forecasted at 350,000 bushels as compared to 312,000 bushels on July 1, 100,000 bushels produced last year, and a 5-year average of 318,000 bushels.

**SUGAR BEETS MAKE SLIGHT INCREASE**

Production of beets for sugar is estimated at 119,000 tons, as compared to 114,000 forecasted on July 1, 171,000 tons produced last year, and a 5-year average of 170,000 tons. Condition on August 1 was 90%, compared to 87% on July 1, 72% a year ago, and a 10-year average of 89.3%.

**SMALL GRAIN PROSPECT LARGER BY 7,000,000 BUSHEL**

Over 7,000,000 bushels were added to the Wisconsin small grain prospect during July. The cool weather during the month was ideal for the filling and ripening of the small grain crops. Oats and barley increased in condition, while spring wheat declined. Yield reports on winter wheat and rye are somewhat below the yield indicated by July 1 condition. Total production of small grains is now estimated at 128,815,000 bushels as compared to 121,401,000 forecasted on July 1, 82,118,000 bushels produced last year, and a 5-year average (1916-20) of 126,002,000 bushels.

**United States:**—The small grain crop of the United States will total 2,327,000,000 bushels as compared to 2,267,000,000 forecasted on July 1, 2,065,000,000 bushels produced last year, and a 5-year average of 2,447,000,000 bushels.

**ANOTHER 100,000,000 BUSHEL OATS CROP**

The 1922 crop of oats in Wisconsin is estimated from August 1 condition at 103,865,000 bushels as compared to 97,040,000 forecasted on July 1, 63,958,000 bushels produced in 1921, and a 5-year average of 95,497,000 bushels. Weather conditions were ideal for filling and ripening. There was some red-leaf rust, but it appeared too late to do much damage to oats. Condition on August 1 was 92% of normal, compared to 90% on July 1, 58% a year ago, and a 10-year average of 88.4%.

Reserve of oats on farms on August 1 was very small due to the short crop of last season. Farmers have barely enough to carry their live stock through until threshing time. Oats stocks on August 1 were 3,837,000 bushels (6% of 1921 crop) as compared to 10,791,000 bushels a year ago (10% of 1920 crop), and a 5-year average of 6,889,000 bushels (7.4% of five preceding crops.)

**United States:**—The crop of oats in the United States is estimated at 1,251,000,000 bushels as compared to 1,187,000,000 forecasted on July 1, 1,061,000,000 bushels produced in 1921 and a 5-year average of 1,413,000,000 bushels. Condition on August 1 was 75.6%, compared to 74.4% on July 1, 64.5% a year ago, and a 10-year average of 81.5%.

The amount of oats remaining on farms August 1 in the United States is estimated at 6.9% of last year's crop, or about 73 million bushels as compared to 161,000,000 bushels on August 1, 1921, and 78,000,000 bushels the average of stocks on August 1 for the 5 years 1916-20.

**BARLEY GAINS 700,000 BUSHEL**

On the basis of August 1 condition, the Wisconsin barley crop is estimated at 14,531,000 bushels as compared to 13,379,000 forecasted on July 1, 10,642,000 bushels produced last year and a 5-year average of 18,514,000 bushels. Condition on August 1 was 90%, compared to 87% on July 1, 66% a year ago and a 10-year average of 87.9%.

Farm stocks of barley on August 1 totaled 319,000 bushels (3.0% of 1921 crop) as compared to 988,000 bushels (6.2% of 1920 crop) and a 5-year average of 746,000 bushels (3.9% of the five preceding crops).

**United States:**—Production of barley in the United States is estimated to be 192,000,000 bushels as compared to 182,000,000 forecasted on July 1, 151,000,000 bushels produced last year, and a 5-year average of 197,000,000 bushels. Condition on August 1 is given at 82.0%, compared to 82.6% on July 1, 71.4% a year ago, and a 10-year average of 81.3%.

Barley stocks in United States on August 1 were 7.2 million bushels, compared to 14.3 million last year, and a 5-year average of 7.5 million bushels.

**RYE CROP ABOVE AVERAGE**

Preliminary estimate of rye yield per acre is given at 16.5 bushels, compared to 14.5 last year and a 10-year average of 17.2 bushels. Little threshing has been done as yet, and this estimate will be revised later in the season on the basis of threshing returns. Production is estimated at 6,979,000 bushels, as compared to 4,756,000 bushels produced last year, and a 5-year average of 5,661,000 bushels.

**United States:**—The United States rye crop is estimated at 79,600,000 bushels as compared to 82,000,000 bushels produced last year, and a 5-year average of 68,000,000 bushels. Preliminary estimate of average yield per acre is 15.5 bushels, compared to 13.7 last year, and a 10-year average of 13.9 bushels.

**WHEAT PRODUCTION ON PRE-WAR BASIS**

Production of wheat in 1922 will be 3,440,000 bushels, as compared to 3,437,000 forecasted on July 1, 2,762,000 bushels produced last year, and a 5-year average of 6,330,000 bushels.

Preliminary estimate of winter wheat yield per acre is given at 19.5 bushels, as compared to 16.5 bushels last year, and a 10-year average of 20.7 bushels. Production is estimated at 1,911,000 bushels, compared to 1,911,000 bushels forecasted on July 1, 1,424,000 bushels produced last year, and a 5-year average of 1,729,000 bushels.

Spring wheat condition was lowered by damage from red-leaf rust (particularly in the lakeshore counties). Condition on August 1 was 80% compared to 86% on July 1, 57% a year ago, and a 10-year average of 85.5%. Production is given at 1,529,000 bushels, compared to 1,338,000 last year, and a 5-year average of 4,601,000 bushels.

**United States:**—The 1922 wheat crop of the United States will approximate 805,000,000 bushels, as compared to 817,000,000 forecasted on July 1, 795,000,000 bushels produced last year, and a 5-year average of 799,000,000 bushels.

Forecasted production of winter wheat is given at 541,000,000 bushels, compared to 569,000,000 forecasted on July 1, 587,000,000 bushels produced last year, and a 5-year average of 566,000,000 bushels. Preliminary average yield per acre is estimated at 14.2 bushels per acre, as compared to 13.7 in 1921, and a 5-year average of 14.9 bushels.

Based on August 1 condition, spring wheat production is estimated at 263,000,000 bushels, compared to 248,000,000 forecasted on July 1, 208,000,000 bushels produced last year, and a 5-year average of 233,000,000 bushels. Condition on August 1 was 80.4%, compared to 83.7% on July 1, 66.6% last year, and a 10-year average of 73.9%.

**BUCKWHEAT ACREAGE INCREASES**

Acres planted to buckwheat in Wisconsin is estimated at 42,000 acres, compared to 40,000 last year, and a 5-year average of 28,000 acres. Production is forecasted at 688,000 bushels, compared to 596,000 bushels produced last year, and a 5-year average of 423,000 bushels. Condition on August 1 was 91%, compared to 78% on August 1 last year and a 10-year average of 88.8%.

**United States:**—Acres of buckwheat in the United States is estimated at 707,000 acres, compared to 671,000 acres in 1921, and a 5-year average of 836,000 acres. Production is estimated at 13,800,000 bushels, as compared to 14,100,000 bushels produced in 1921, and a 5-year average of 14,400,000 bushels. Condition on August 1 is given at 89.7%, compared to 87.2% a year ago, and a 10-year average of 89.0%.

**HAY CROP ABOVE AVERAGE**

The 1922 hay prospect declined slightly during July, but the crop is still much above average and one of the largest ever produced in the state. Total production of all classes of hay is estimated at 5,789,000 tons, as compared to 5,806,000 tons forecasted on July 1, 4,585,000 tons produced last year, and a 5-year average of 5,323,000 tons. Harvest of clover and timothy, peas and oats, first cuttings of clover and alfalfa are completed and some second crop of clover and alfalfa has been cut. Quality of hay was reduced by frequent rains during harvest. Mildew is prevalent on clover fields in many parts of the state. This may reduce the size of the second crop somewhat. Late planted annual hays, like millet and sudan grass, are making slow progress. Yields will be below average.

Average condition of all hay crops is estimated to be 93%, compared to 90% on July 1, 75% a year ago, and a 10-year average of 92.4%.

**United States:**—The hay crop of the United States is estimated to be 93,000,000 tons, compared to 107,000,000 forecasted on July 1, 97,000,000 tons produced in 1921, and a 5-year average of 12,000,000 tons. Condition on August 1 was 91.0%, compared to 88.7% on July 1, 82.5% on August 1 last year, and a 10-year average of 87.6%.

**CLOVER PRODUCTION 50% ABOVE AVERAGE**

Production of clover (grown alone) is estimated to be 471,000 tons, as compared to 494,000 tons forecasted on July 1, 272,000 tons produced last year, and a 5-year average of 303,000 tons. Preliminary estimate of yield per acre is 1.70 tons as compared to 1.25 tons last year, and a 10-year average of 1.80 tons. Yields in northern counties average about 2.00 tons per acre, but the state average is reduced by low returns in southern counties.

**TIMOTHY PRODUCTION BELOW AVERAGE**

Production of timothy is estimated at 731,000 tons, compared to 733,000 forecasted on July 1, 707,000 tons produced last year, and a 5-year average of 1,028,000 tons. Condition on August 1 was 92%, compared to 90% on July 1, 74% a year ago, and a 10-year average of 91.2%.



## CONDITION AND YIELDS OF WISCONSIN CROPS, AUGUST 1, 1922

COUNTIES	Condition in Percent of Normal												Yield per Acre						
	Corn	Oats	Barley	Spring Wheat	Potatoes	Tobacco	Cabbage	Sugar Beets	All Hay	Timothy	Alfalfa	Pasture	Winter Wheat		Rye		Clover (alone)		Farm Price Milk per cwt. July 1922
													1922 bu.	10-yr. Ave. bu.	1922 bu.	10-yr. Ave. bu.	1922 tons	10-yr. Ave. tons	
Northwestern District.....	82.6	94.7	90.5	91.5	94.6	80.0	90.0	79.3	98.0	94.5	96.9	92.9	22.5	20.16	18.3	19.60	1.98	1.74	1.54
Barron.....	80	95	94	95	94	75	98	90	104	96	94	92	22	20.2	19	21.8	2.1	1.79	1.53
Bayfield.....	81	97	93	98	94	---	97	---	95	93	96	92	26	23.2	18	20.1	1.9	1.91	1.53
Burnett.....	78	95	88	88	91	---	---	---	99	92	98	86	20	17.3	16	16.4	1.9	1.59	1.53
Chippewa.....	82	97	98	90	100	80	92	80	104	101	99	98	23	19.7	19	19.7	2.1	1.56	1.53
Douglas.....	75	97	88	90	92	---	---	---	94	92	99	93	24	17.9	19	20.4	2.1	1.69	1.75
Dunn.....	84	96	80	82	93	84	---	90	88	88	92	87	18	20.1	13	16.1	1.8	1.54	1.41
Eau Claire.....	88	89	90	93	91	---	85	---	90	90	---	82	20	18.2	15	16.2	1.4	1.34	1.56
Pierce.....	82	89	92	90	89	75	90	---	92	91	96	87	22	20.6	22	21.1	1.8	2.00	1.68
Polk.....	79	93	89	91	93	---	---	72	98	100	99	90	22	20.8	24	22.9	2.2	1.80	1.45
Rusk.....	75	94	85	96	97	---	---	76	98	95	---	95	22	19.6	22	21.1	2.3	1.97	1.42
St. Croix.....	86	100	101	98	88	---	88	78	90	84	96	95	22	19.7	21	19.4	1.9	1.76	1.55
Sawyer.....	83	89	92	99	95	---	---	---	105	101	---	92	22	19.7	22	19.7	2.1	1.53	1.52
Washburn.....	92	101	92	90	102	---	---	---	103	102	99	92	23	19.1	16	18.9	1.6	1.63	1.52
Northern District.....	75.9	95.0	92.8	86.2	94.3	---	90.0	---	98.8	95.0	95.5	92.3	21.5	19.60	21.0	20.19	2.15	1.79	1.45
Ashland.....	68	96	89	86	87	---	---	---	89	94	---	80	20	21.4	16	19.7	1.8	1.73	1.48
Clark.....	73	91	90	83	89	---	90	---	99	96	90	87	22	19.2	21	20.8	2.1	1.99	1.39
Iron.....	70	100	96	90	98	---	---	---	95	85	---	80	20	19.1	---	19.7	2.0	1.70	1.75
Lincoln.....	82	100	98	92	101	---	---	---	103	101	96	100	20	19.9	18	20.1	1.9	1.53	1.44
Marathon.....	87	96	93	92	91	---	---	---	99	90	95	91	20	18.5	22	19.5	2.3	1.79	1.41
Oneida.....	67	93	93	88	98	---	---	---	86	94	---	97	21	18.8	19	19.0	1.8	1.46	1.70
Price.....	76	97	95	90	92	---	92	---	100	97	---	96	23	20.9	23	19.4	2.4	1.79	1.45
Taylor.....	75	101	93	82	99	---	---	---	106	103	---	89	21	20.3	25	21.6	2.5	1.90	1.50
Vilas.....	75	97	90	90	102	---	---	---	107	105	---	102	20	19.1	---	19.9	1.8	1.47	1.80
Northeastern District.....	78.2	96.4	90.4	78.7	88.9	---	85.0	94.6	96.0	94.1	100.5	90.8	20.5	19.31	16.5	19.44	1.95	1.57	1.45
Door.....	81	95	89	75	94	---	---	95	95	98	103	86	16	17.1	17	18.0	1.4	1.43	1.50
Florence.....	80	100	98	85	88	---	---	---	90	91	90	95	21	18.3	---	19.7	1.7	1.56	1.55
Forest.....	78	101	92	85	91	---	---	---	91	91	90	90	21	19.7	---	19.8	1.8	1.56	1.65
Langlade.....	80	95	95	80	98	---	---	---	95	92	96	90	20	19.4	16	21.6	1.8	1.73	1.43
Marquette.....	78	97	98	82	88	---	90	90	95	92	96	85	20	18.3	16	18.3	1.6	1.50	1.45
Oconto.....	76	94	90	88	81	---	85	91	96	92	98	92	19	19.0	18	19.2	2.0	1.50	1.47
Shawano.....	78	95	88	77	90	---	78	105	97	95	98	93	23	19.3	15	19.1	1.9	1.62	1.41
Western District.....	90.5	92.4	89.5	83.2	95.1	79.0	96.0	---	91.8	92.8	93.8	90.0	22.5	19.90	14.9	16.75	1.76	1.62	1.52
Buffalo.....	87	89	87	91	96	95	---	---	94	94	95	83	19	19.1	16	18.3	1.9	1.76	1.52
Jackson.....	88	88	84	82	93	80	---	---	90	92	92	89	16	19.5	13	16.0	1.6	1.43	1.53
La Crosse.....	92	94	94	86	93	98	96	---	89	88	90	82	22	20.8	15	16.5	1.8	1.66	1.70
Monroe.....	91	95	92	90	96	78	88	---	94	91	90	92	23	20.0	15	16.3	1.9	1.66	1.70
Peplin.....	86	91	88	78	96	---	92	---	90	88	100	90	22	20.2	16	15.6	1.9	1.63	1.60
Trempealeau.....	94	96	87	77	99	89	---	---	97	96	95	92	24	19.2	17	16.3	1.7	1.76	1.55
Vernon.....	92	91	92	80	94	78	---	---	89	98	100	92	21	19.7	15	17.2	1.7	1.79	1.39
Central District.....	82.4	88.3	91.0	89.9	90.5	97.0	90.0	83.0	95.1	93.4	94.4	88.0	19.4	19.03	10.5	14.11	1.75	1.49	1.47
Adams.....	89	91	78	90	91	---	---	---	91	91	90	90	16	15.8	9	12.1	1.5	1.41	1.39
Green Lake.....	79	85	80	91	80	---	---	---	95	88	105	89	21	20.3	14	17.2	1.8	1.57	1.43
Juneau.....	79	97	94	94	95	97	94	80	96	92	78	98	18	17.7	15	14.7	1.7	1.49	1.57
Portage.....	79	89	88	85	81	---	---	---	91	87	95	73	17	16.3	13	13.5	1.7	1.16	1.63
Marquette.....	87	86	92	87	97	---	---	---	93	92	92	78	20	16.5	9	13.2	1.6	1.63	1.47
Waupaca.....	90	93	86	82	91	---	83	85	92	90	96	95	22	19.7	16	17.1	1.7	1.56	1.65
Waushara.....	83	85	96	92	91	---	---	---	87	90	95	86	17	16.6	9	11.9	1.4	1.40	1.41
Wood.....	76	96	96	88	89	---	91	---	105	102	98	96	18	18.5	17	17.5	2.1	1.70	1.44
Eastern District.....	88.2	94.2	91.0	73.8	91.8	90.0	98.0	90.2	87.1	88.5	88.0	92.0	17.5	21.85	19.4	20.40	1.80	1.74	1.47
Brown.....	81	92	97	70	84	---	99	89	95	91	98	84	18	19.4	16	18.4	1.6	1.56	1.51
Calumet.....	74	93	80	55	84	---	---	88	99	93	91	80	17	19.6	17	19.1	2.1	1.94	1.64
Dodge.....	95	92	95	80	95	90	99	96	87	87	82	83	18	23.7	22	21.9	1.9	1.80	1.37
Fond du Lac.....	87	91	85	82	86	---	94	84	94	94	95	84	16	22.5	18	20.8	2.1	1.66	1.41
Kewaunee.....	89	98	96	85	95	---	---	87	88	89	101	88	19	19.0	22	18.9	1.9	1.24	1.44
Manitowoc.....	85	93	92	78	91	---	---	85	90	90	97	86	19	20.6	20	20.7	1.8	1.76	1.55
Outagamie.....	79	96	88	90	89	---	97	95	94	92	98	94	19	19.7	20	20.5	1.9	1.70	1.43
Ozaukee.....	94	96	90	68	96	---	93	96	79	83	70	74	15	22.1	20	20.3	1.4	1.81	1.68
Sheboygan.....	92	98	96	86	94	---	97	90	89	90	95	74	16	23.6	17	21.5	1.7	1.77	1.42
Washington.....	94	97	92	35	97	---	---	---	71	79	69	80	14	23.0	21	20.1	1.5	1.86	1.44
Winnebago.....	85	88	86	80	82	---	99	95	88	92	96	70	24	22.2	16	21.0	2.0	1.73	1.50
Southwestern District.....	88.5	91.7	89.0	74.7	92.6	83.0	---	---	90.1	90.4	86.2	89.3	21.6	19.59	20.9	17.11	1.65	1.80	1.44
Crawford.....	83	88	79	78	94	82	---	---	91	91	93	92	19	19.6	18	15.6	1.7	1.94	1.42
Grant.....	87	91	91	77	88	90	---	---	89	90	84	87	21	18.7	19	17.2	1.5	1.71	1.44
Lafayette.....	94	92	91	64	98	---	---	---	78	80	84	86	25	18.0	23	18.2	1.3	1.69	1.50
Iowa.....</																			

In the table below are shown average prices paid to farmers for Wisconsin products, with comparisons back to 1913. Hereafter, prices for the previous month will be shown in each edition of this publication. Keep this copy for comparisons.

## FARM PRICES OF WISCONSIN PRODUCTS

	1st of Month										15th of Month											
	Wheat, per bu.	Corn, per bu.	Oats, per bu.	Barley, per bu.	Rye, per bu.	Potatoes, per bu.	Butter, per lb.	Eggs, per doz.	Chickens, per lb.	Loose Hay, per ton	Hogs, per cwt.	Beef Cattle per cwt.	Veal Calves per cwt.	Sheep, per cwt.	Lambs, per cwt.	Wool, per lb.	Apples, per bu.	Beans, per bu.	Cabbage, per cwt.	Clover Seed, per bu.	Timothy Seed, per bu.	
1922																						
July.....	\$1.14	64	40	59	78	88	35	21	181	\$15.60	9.15	5.05	7.50	4.85	10.10	31	1.95	4.95	3.10	10.30	3.10	
June.....	1.15	62	43	58	89	80	35	22	191	18.40	9.30	5.10	7.70	4.90	10.40	30	2.90	4.50	3.80	11.30	3.20	
May.....	1.17	59	40	56	91	88	37	21	196	18.50	9.25	4.70	6.90	5.90	10.90	25	3.40	3.85	4.10	13.00	3.25	
April.....	1.13	58	40	56	87	94	37	20	187	17.00	8.90	4.55	6.30	6.10	11.80	22	3.20	3.70	3.60	13.10	3.35	
March.....	1.16	56	38	54	87	1.09	36	28	190	15.30	9.20	4.65	7.35	5.60	11.10	22	3.10	3.40	3.20	12.70	3.20	
February.....	.98	48	36	53	70	.99	35	32	177	14.70	8.25	4.30	8.15	4.80	9.80	21	2.80	3.09	2.80	12.20	3.20	
January.....	.98	46	34	53	74	.89	43	48	161	14.70	6.65	3.95	7.10	3.90	8.10	19	2.62	3.01	2.55	10.75	2.95	
1921																						
December.....	\$.97	46	33	51	71	95	46	50	158	\$15.40	6.20	3.75	6.90	3.70	7.25	17	2.45	3.04	2.20	10.40	2.75	
November.....	1.00	43	31	50	71	1.07	45	41	164	14.80	6.30	3.80	6.50	2.80	6.50	16	2.42	3.02	1.70	10.05	2.80	
October.....	1.14	56	36	58	89	1.34	42	32	176	16.40	7.00	3.80	8.30	3.70	6.50	16	2.38	2.92	1.70	10.50	2.70	
September.....	1.14	57	36	56	90	2.20	40	30	199	16.80	7.20	4.00	8.90	3.20	6.70	16	1.84	3.02	2.10	10.90	2.60	
August.....	1.18	62	38	59	1.04	1.91	40	28	198	15.10	8.60	4.30	7.20	3.30	7.10	16	1.68	2.65	4.10	10.70	3.05	
July.....	1.19	64	36	57	1.08	43	31	21	194	13.30	7.90	4.50	7.50	3.70	7.40	17	2.20	2.69	5.00	10.30	3.10	
June.....	1.21	63	37	61	1.15	43	29	18	190	14.00	7.00	4.60	6.80	3.70	7.80	17	2.20	2.79	6.00	10.20	3.30	
May.....	1.18	60	37	58	1.11	40	40	21	204	14.70	7.40	4.90	6.50	4.50	7.60	19	2.40	2.71	2.10	11.40	3.01	
April.....	1.31	63	40	66	1.19	48	45	22	229	15.60	7.80	5.00	6.40	4.20	7.40	22	1.66	2.80	1.30	11.10	3.00	
March.....	1.48	69	42	68	1.33	62	46	32	215	16.20	9.10	5.60	8.60	4.30	8.00	22	1.89	2.80	1.05	10.90	3.05	
February.....	1.44	69	41	70	1.36	60	49	51	206	17.40	8.40	5.20	8.80	4.10	7.20	22	1.88	2.95	.95	10.10	2.90	
January.....	1.37	74	45	77	1.30	74	53	60	180	18.50	8.40	5.50	9.00	4.50	9.00	24	1.70	3.15	1.15	10.60	2.95	
Average for 1921.....	\$1.217	605	377	609	1.064	930	422	337	198	\$15.67	7.77	4.74	7.76	3.86	7.51	192	2.00	2.88	2.36	10.52	2.95	
Average for 1920.....	2.183	1,395	801	1,250	1,636	2,271	506	468	230	22.96	13.28	8.03	12.99	8.20	12.85	406	2.40	4.06	3.79	23.54	4.88	
Average for 1919.....	2.120	1,405	655	1,060	1,366	1,110	573	430	221	20.77	16.87	9.04	14.27	9.03	13.52	539	1.87	4.30	2.69	25.34	4.72	
Average for 1918.....	2.053	1,530	755	1,270	1,820	1,788	473	384	194	19.34	16.04	8.61	12.99	10.21	14.21	631	1.56	7.20	2.31	16.61	3.90	
Average for 1917.....	1.960	1,419	614	1,197	1,637	1,650	401	335	161	13.84	13.58	7.38	11.26	8.65	12.02	470	1.39	8.10	3.55	10.60	2.82	
Average for 1916.....	1.178	789	438	768	971	953	319	250	128	11.21	8.23	5.84	8.74	5.72	8.12	300	1.00	4.53	1.90	9.41	2.95	
Average for 1915.....	1.149	717	454	632	972	392	282	218	116	9.88	6.62	5.49	7.92	4.98	7.02	245	.97	2.82	1.62	7.86	2.72	
Average for 1914.....	.888	636	388	556	636	519	234	222	118	10.07	7.77	5.86	8.27	4.62	6.60	194	1.26	2.19	2.11	7.72	2.30	
Average for 1913.....	.826	553	344	540	565	382	295	208	115	10.70	7.75	5.68	8.10	4.52	6.38	192	1.06	2.23	1.77	8.63	2.02	

## MIXED CLOVER AND TIMOTHY OVER 3,000,000 TONS

Production of clover and timothy mixed is estimated at 3,267,000 tons, as compared to 3,289,000 forecasted on July 1, 2,423,000 tons produced last year, and a 5-year average of 3,229,000 tons.

## ALFALFA PRODUCTION ABOVE AVERAGE

Alfalfa this year will produce above 231,000 tons of hay, compared to 218,000 forecasted on July 1, 343,000 tons produced last year, and a 5-year average of 190,000 tons. Condition on August 1 was 85%, compared to 80% on July 1, 86% a year ago, and a 10-year average of 89.1%.

## PRODUCTION OF ANNUAL HAYS LARGE

Because of the unusually large acreage planted, the production of annual hays this year will approximate 583,000 tons, compared to 583,000 forecasted on July 1, 398,000 tons produced in 1921, and a 5-year average of 94,000 tons. Condition on August 1 was 86%, compared to 86% on July 1, 80% a year ago, and a 10-year average of 88.7%.

## PASTURES CONTINUE GOOD

Except in southeastern counties, pastures continue in good condition. The average condition for the state is 88%, compared to 90% on July 1, 55% a year ago, and a 10-year average of 83.8%.

United States.—Condition of pastures in the United States is estimated at 87.9%, compared to 89.0% on July 1, 74.3% a year ago, and a 10-year average of 79.7%.

## APPLE PROSPECT INCREASES

July weather was favorable for apples and the prospect has increased over 200,000 bushels. Production on the basis of August 1 condition is estimated at 1,771,000 bushels, compared to 1,553,000 forecasted on July 1, 1,050,000 produced last year, and a 5-year average of 1,741,000 bushels.

## MILK PRICES INCREASE

The average price received by farmers for milk (all uses) during July was \$1.52 per cwt., as compared to \$1.44 during June, \$1.39 for July, 1921, and \$2.46 for July, 1920.

## SLIGHT INCREASE IN FARM EMPLOYMENT

The number of hired hands on farms on August 1 was 4.4% greater than on July 1. The inquiry concerning the number

of hired hands, which is made jointly with the Wisconsin Industrial Commission, shows the following index numbers:

Aug. 1, 1922.....	143.6
July 1, 1922.....	137.5
Jan. 1, 1922.....	51.3
Jan. 1, 1921.....	56.7
July 1, 1920.....	100.0

## COMMERCIAL POTATOES

The Wisconsin commercial potato prospect increased 500 cars during July. Based upon August 1 condition, the carlot movement of the 1922 crop is forecasted at 30,300 cars, as compared to 29,800 forecasted on July 1, 12,500 cars shipped last year, and 20,000 cars shipped of the 1920 crop.

The month was favorable to the growth of potatoes. Condition of the crop in the commercial counties of the state is estimated at 93.8% of normal, compared to 92.2% on July 1, 48.2% on August 1 last year, and 84.2% on August 1, 1920.

Percentage of perfect stand (i. e.; per cent of seed which germinated and produced a plant) is estimated at 89%, compared to 66% in 1920. It is estimated that 14% of the commercial acreage is in early and 86% in late potatoes.

A summary by districts follows:

District	Carlot Shipments			Prospective Yield % of Normal			Per Cent of Perfect Stand 1922
	Forecast Aug. 1, 1922	1921 crop	1920 crop	Aug. 1, 1922	July 1, 1922	Aug. 1, 1921	
STATE.....	30,300	12,500	19,980	93.8	92.2	48.2	89.0
Northern.....	2,200	1,800	1,600	98	92	59	88
Northeastern.....	3,290	2,080	2,320	94	94	60	87
Barron-Eau Claire.....	9,030	3,850	4,460	93	90	51	88
Clark-Marathon.....	2,510	650	960	95	92	55	91
Monroe-Jackson.....	460	100	230	95	101	24	82
Waupaca-Portage.....	9,290	3,460	7,280	92	93	45	88
Door-Brown.....	300	200	300	92	95	56	90
Juneau-Columbia.....	2,570	840	2,190	94	96	33	87
Fond du Lac.....							
Washington.....	650	520	640	96	93	23	90

**DON'T FORGET TO GO**  
**WISCONSIN'S GREATEST STATE FAIR, WEST ALLIS, AUG. 28--SEPT. 2.**



UNITED STATES DEPARTMENT OF AGRICULTURE  
Bureau of Agricultural Economics  
H. C. TAYLOR, Chief

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Division of Agricultural Statistics  
C. P. SONGFORD, Commissioner

# WISCONSIN MONTHLY CROP AND LIVESTOCK REPORTER

JOSEPH A. BECKER, Agricultural Statistician

Vol. I, No. 14

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September, 1922

## CROP SUMMARY FOR SEPTEMBER 1.

CROP	Area in Thousands			Production in Thousands				Condition—Per Cent of Normal			
	1922 Preliminary	1921	1916-20 average	September, 1922 forecast	August 1922 forecast	1921	1916-20 average	Sept. 1 1922	Aug. 1 1922	Sept. 1 1921	1911-20 average Sept. 1
Corn, bu.	2,219	2,110	1,853	90,846	86,874	97,482	69,139	89	87	93	81.8
Potatoes, bu.	325	315	302	37,453	37,674	21,420	28,751	86	92	50	77.9
Tobacco, pounds	39.5	47.9	47.1	46,227	44,473	61,406	57,863	83	81	85	85.0
Cabbage, tons	17.3	11.0	14.7	155	159	57	115	88	95	62	84.9
Onions, bu.	1.3	1.1	1.0	407	350	100	318	92	94	60	86.0
Sugar beets, tons	13.3	19.4	18.2	115	119	171	170	87	90	81	89.1
Oats, bu.	2,537	2,632	2,317	106,199	103,865	63,958	95,497	92	92	53	87.7
Barley, bu.	408	473	588	15,285	14,531	10,642	18,514	92	90	61	86.4
Rye, bu.	423	328	363	6,979	6,979	4,756	5,661	116.5	116.5	114.5	117.2
Winter wheat, bu.	98	89	81	1,911	1,911	1,424	1,729	119.5	119.5	116.0	120.7
Spring wheat, bu.	91	125	269	1,562	1,529	1,338	4,601	78	80	54	71.7
Buckwheat, bu.	42	40	28	633	688	596	423	84	91	77	84.3
Clover (alone), tons	277	218	174	471	471	272	303	11.70	11.70	11.25	11.80
Timothy (alone), tons	479	538	674	723	731	707	1,028	11.51	11.51	11.30	11.46
Clover and timothy (mixed), tons	1,909	1,897	1,944	3,518	3,267	2,428	3,229	11.76	11.76	11.28	11.62
Alfalfa, tons	92	131	71	246	231	343	190	12.67	12.67	12.61	12.68
Other tame hay, tons	399	280	65	560	583	398	94	82	86	87	87.9
All tame hay, tons	3,246	3,064	2,928	5,518	5,283	4,148	4,844	11.70	11.70	11.28	11.62
Wild hay, tons	375	364	341	488	495	437	479	11.30	11.30	11.20	11.26
Dry peas, bu.	32.4	35.2	53.6	502	507	433	911	90	90	68	86.1
Dry beans, bu.	7.0	4.9	19.1	79	78	50	180	90	92	78	84.8
Flaxseed, bu.	5.9	5.6	6.1	76	77	59	65	91	92	74	86.1
Clover for seed, bu.	154	124	136	310	211	285	285	84	84	80	84.8
Sorghum syrup, gallons	2.5	2.5	3.5	180	182	175	175	88	89	91	86.4
Apples, bu.	1.9	1.6	1.9	1,881	1,771	1,050	1,741	85	77	45	65.7
Cranberries, bbls.				46	29						
Pasture								75	88	69	79.0

<sup>1</sup> Average yield per acre.

### GENERAL CROP CONDITIONS ABOVE AVERAGE

Composite condition of crops in Wisconsin on September 1 was 106.0% of the 10-year average (not the normal) as compared to 103.4% on August 1, 80.7% on September 1 last year, and 104.9% on September 1, 1920. In spite of the prolonged dry spell in some localities and the high temperatures, nearly all crops made some advance during August. High temperatures were needed, particularly for corn.

The corn prospect increased 4,000,000 bushels; tobacco, nearly 2,000,000 pounds; while the potato prospect decreased about 250,000 bushels. Small grains increased nearly 3,000,000 bushels, and hay 200,000 tons.

*United States:*—General crop conditions in the United States on September 1 were 98.8% of average as compared to 101.2% on August 1, 92.9% on September 1 last year, and 107.0% on September 1, 1920.

### CORN BENEFITED BY HOT WEATHER

Although some fields had begun to "burn" badly by September 1 because of lack of soil moisture, on the whole corn made a decided advance during August. Condition on September 1 was 89%, compared to 87% on August 1, 93% a year ago, and a 10-year average of 81.8%. Production is now forecasted at 90,846,000 bushels, compared to

86,874,000 forecasted on August 1, 97,482,000 produced last year and a 10-year average of 69,139,000 bushels.

*United States:*—The United States crop of corn declined appreciably during August. Forecast on September 1 is 2875 million bushels as compared to 3,017 million bushels on August 1, 3,080 million produced in 1921, and a 5-year average of 2,831 million bushels. Condition on August 1 was 78.7%, compared to 85.6% on August 1, 85.1% a year ago, and a 10-year average of 76.5%.

### POTATO GROWTH HALTED BY DRY WEATHER

Potatoes suffered from the prolonged dry spell in many counties, particularly in the northwest. On the other hand, the condition improved somewhat in the northeastern counties. Condition declined from 92% on August 1 to 86% on September 1, compared to 50% a year ago and a 10-year average of 77.9%. Forecasted production from September 1 condition is 37,453,000 bushels, compared to 37,674,000 on August 1, 21,420,000 bushels produced last year and a 5-year average of 28,751,000 bushels.

*United States:*—The United States potato crop is now given at 438 million bushels, compared to 440 million on August 1, 347 million produced last year and a 5-year average of 373 million bushels. Condition on September 1 was 79.9%, compared to 63.7% last year, and a 10-year average of 75.8%.

**HOT WEATHER HELPS TOBACCO**

Higher temperatures during August were as a whole beneficial to the growth of tobacco. For some fields, temperatures were too high and plants began to dry on the stalk, which made harvesting difficult. Condition on September 1 was 83%, compared to 81% on August 1, 85% a year ago, and a 10-year average of 85.0%. Production is forecasted at 46,227,000 pounds, as compared to 44,473,000 on August 1 61,406,000 pounds produced last year and a 10-year average of 57,863,000 pounds.

*United States:*—Production of tobacco in the United States is forecasted at 1,353 million pounds, compared to 1,425 million on August 1, 1,075 million pounds produced last year and a 5-year average of 1,378 million pounds. Condition on September 1 was 76.2%, compared to 80.9% on August 1, 70.5% on September 1 last year, and a 10-year average of 78.7%.

**SUGAR BEETS DECLINE SLIGHTLY**

Production of sugar beets is now estimated at 115,000 tons, compared to 119,000 tons forecasted on August 1, 171,000 produced in 1921, and a 5-year average of 170,000 tons. Condition on September 1 was 87%, compared to 90% on August 1, 81% a year ago, and a 10-year average of 89.1%.

*United States:*—The crop of sugar beets in the United States is estimated at 5,260,000 tons, compared to 5,080,000 tons forecasted on August 1, 7,780,000 tons produced last year, and a 5-year average of 6,620,000 tons.

**CABBAGE ALSO DECLINES**

Rainfall was generally beneficial in the cabbage sections, and the crop prospect was reduced from 159,000 to 155,000 tons. This compares with last year's production of 57,000 tons, and a 5-year average of 115,000 tons. Condition on September 1 was 88%, compared to 95% on August 1, 62% a year ago, and a 10-year average of 84.9%.

**ONION CROP WILL BE LARGE**

The onion crop is forecasted at 407,000 bushels, compared to 100,000 produced last year, and a 5-year average of 318,000 bushels. Condition on September 1 was 92%, compared to 94% on August 1, 63% a year ago, and a 10-year average of 86.0%.

**SMALL GRAIN PROSPECT AGAIN INCREASES**

The forecasted production of small grains on September 1 is about 3,000,000 bushels larger than a month ago. Total production, including buckwheat is estimated at 132,589,000 bushels, compared to 129,503,000 forecasted on August 1, 82,714,000 bushels produced last year, and a 5-year average of 126,425,000 bushels.

*United States:*—Production of small grains in the United States is given at 2,360 million bushels, compared to 2,341 million forecasted on August 1, 2,079 million bushels produced last year, and a 5-year average of 2,491 million bushels.

**OATS PROSPECT LARGER BY 2,300,000 BUSHELS**

Production of oats is estimated at time of harvest to be 106,199,000 bushels as against 103,865,000 forecasted on August 1, 63,958,000 bushels produced last year, and a 5-year average of 95,497,000. Condition at time of harvest was 92%, compared to 53% a year ago, and a 10-year average of 87.7%.

*United States:*—The oats crop of the United States is estimated at 1,255 million bushels, compared to 1,251 million forecasted on August 1, 1,061 million bushels produced last year, and a 5-year average of 1,413 million bushels. Condition at time of harvest was 74.9%, compared to 75.6% on August 1, 61.1% on September 1 last year, and a 10-year average of 80.8%.

**BARLEY GAINS 700,000 BUSHELS**

The Wisconsin barley crop is estimated from condition at time of harvest at 15,285,000 bushels, compared to 14,531,000 forecasted on August 1, 10,642,000 bushels produced last year, and a 5-year average of 18,514,000 bushels. Condition was 92%, compared to 90% on August 1, 61% at time of harvest last year, and a 10-year average of 86.4%.

*United States:*—The barley crop of the United States is estimated at 194 million bushels as compared to 192 million forecasted on August 1, 151 million bushels produced last year, and a 5-year average of 197 million bushels.

**NO CHANGE IN RYE ESTIMATE**

No further estimate of rye production was made since a month ago. At that time, production was estimated at 6,979,000 bushels, compared to 4,756,000 produced in 1921, and a 5-year average of 5,661,000 bushels.

*United States:*—The United States rye estimate as made on August 1 was for a crop of 79.6 million bushels, compared to 57.9 million produced last year, and a 5-year average of 67.8 million bushels.

**SPRING WHEAT FILLS BREAD BASKET**

The deficiency of winter wheat in the United States has been more than made up by an unusually large spring wheat crop. The United States spring wheat crop is estimated from condition at time of harvest at 277 million bushels, compared to 208 million produced last year, and a 5-year average of 233 million bushels. Condition was 80.1%, compared to 62.5% for last year's crop, and a 10-year average of 70.6%.

No estimate of the winter wheat crop is made on September 1. On August 1 the crop was given at 542 million bushels, compared to 587 million bushels produced in 1921, and a 5-year average of 566 million bushels.

The wheat crop of the United States is, therefore, 818 million bushels as compared to 805 million forecasted on August 1, 795 million bushels produced in 1921, and a 5-year average of 799 million bushels.

*Wisconsin:*—The Wisconsin spring wheat crop is estimated at 1,562,000 bushels, compared to 1,529,000 forecasted on August 1, 1,338,000 bushels produced last year, and a 5-year average of 4,601,000 bushels. Condition on September 1 was 78%, compared to 54% a year ago, and a 10-year average of 71.7%. The winter wheat estimate remains unchanged at 1,911,000 bushels, compared to 1,424,000 produced in 1921, and a 5-year average of 1,729,000 bushels. Total Wisconsin wheat crop is, therefore, 3,473,000 bushels as compared to 3,440,000 forecasted on August 1, 2,762,000 bushels produced last year, and a 5-year average of 6,330,000 bushels.

**BUCKWHEAT CROP ABOVE AVERAGE**

Condition of buckwheat declined from 91% on August 1 to 84% on September 1, compared to 77% a year ago, and a 10-year average of 84.3%. Production is given at 653,000 bushels as against 688,000 bushels forecasted on August 1, 596,000 bushels produced last year and a 5-year average of 423,000 bushels.

*United States:*—The crop of buckwheat in the United States is estimated to be 13.5 million bushels as compared to 13.8 million forecasted on August 1, 14.1 million produced last year, and a 5-year average of 14.4 million bushels. Condition on September 1 was 85.7%, compared to 85.6% a year ago, and a 10-year average of 86.2%.

**HAY CROP REACHES 6,000,000 TONS**

Based upon preliminary yield estimates, this year's crop of hay will total 6,006,000 tons as compared to 5,778,000 forecasted on August 1, 4,585,000 tons produced in 1921, and a 5-year average of 5,323,000 tons. The third crop of alfalfa and the second crop of clover were very satisfactory. The yield of timothy and mixed clover and timothy was above average. Wild or marsh hay also yielded above average.

*United States:*—The hay crop of the United States is also much above average. Total production is estimated to be 108.7 million tons, compared to 110.3 million forecasted on August 1, 96.8 million tons produced last year, and a 5-year average of 102.2 million tons.



## CONDITION AND YIELDS OF WISCONSIN CROPS, SEPTEMBER 1, 1922.

COUNTIES	Condition, September 1, 1922, in Per Cent of Normal										Yield per Acre—Preliminary								Farm Price Milk per Cwt. Aug., 1922	
	Corn	Pota- toes	Oats	Barley	Spring Wheat	Buck- wheat	Clover torseed	Cab- bage	Sugar Beets	To- bacco	Pas- ture	Tame Hay		Timothy Hay		Alfalfa		Wild Hay		
												1922	10-yr. Ave.	1922	5-yr. Ave.	1922	5-yr. Ave.	1922		7-yr. Ave.
Northwestern Dist...	82.5	79.2	92.9	91.1	84.1	83.8	87.7	90.0	75.0	76.0	70.7	1.92	161.8	1.57	1.44	3.06	2.66	1.30	1.36	1.54
Barron	69	64	91	89	85	90	91	80	100.0	70	52	2.1	16.8	1.8	1.60	4.0	2.58	1.2	1.26	1.53
Bayfield	85	85	93	95	80	85	89	90			82	1.9	17.4	1.7	1.40	3.5	2.72	1.1	1.19	1.60
Burnett	68	70	88	88	80	75	75	80			45	1.9	15.5	1.6	1.30	3.6	2.32	1.5	1.37	1.55
Chippewa	86	84	94	94	85	93	91	90		75	75	2.1	16.0	1.6	1.34	3.2	2.70	1.2	1.26	1.49
Douglas	85	91	92	93	83	82	102	99			84	2.0	17.2	1.6	1.40	3.0	2.30	1.4	1.34	1.79
Dunn	84	92	87	86	95	91	82	80	70.0	78	71	1.7	15.5	1.5	1.34	2.5	2.98	1.3	1.27	1.40
Eau Claire	86	85	86	82	90	80	86	85			79	1.5	15.2	1.3	1.40	2.5	2.64	1.1	1.20	1.36
Pierce	91	84	95	90	87	95	93	90	80.0	75	79	1.8	17.5	1.4	1.62	3.0	2.92	1.0	1.33	1.45
Polk	76	79	92	89	82	90	82	80			58	1.5	18.4	1.4	1.44	2.8	2.34	1.2	1.36	1.40
Rusk	85	70	93	93	80	65	83	95			60	2.2	17.2	1.5	1.48	3.0	2.72	1.5	1.37	1.40
St. Croix	89	85	100	96	90	95	105	90	50.0		72	2.4	15.1	1.8	1.28	3.8	2.66	1.1	1.36	1.52
Sawyer	90	75	93	92	80	82	83	75			76	1.9	15.9	1.4	1.38	3.0	2.72	1.5	1.34	1.25
Washburn	68	54	98	92	70	65	72	75			50	1.6	15.1	1.6	1.26	3.0	2.34	1.0	1.30	1.28
Northern District	86.2	88.7	97.5	91.9	87.9	90.2	95.3	94.0	85.0		76.8	1.85	174.2	1.58	1.44	3.00	2.47	1.28	1.29	1.45
Ashland	90	77	82	86	80	90					60	1.6	16.0	1.4	1.30	3.0	2.48	1.3	1.20	1.53
Clark	80	83	93	93	90	91	86	93	85.0		73	1.8	18.2	1.6	1.52	3.0	2.58	1.2	1.31	1.39
Iron	90	80	102	95	90	95		90			65	1.8	16.1	1.5	1.38		2.44	1.2	1.14	1.80
Lincoln	90	90	95	99	80	90		90			78	1.9	17.1	1.4	1.26	3.0	2.32	1.1	1.19	1.40
Marathon	87	92	98	90	88	83	93	96			85	1.8	17.7	1.5	1.46	3.0	2.42	1.2	1.29	1.45
Oneida	79	91	100	90	88	93					90	1.5	16.3	1.2	1.30	3.0	2.50	.8	1.23	1.70
Price	96	92	100	97	95	90	100	95			84	2.4	16.1	1.7	1.46	3.0	2.40	1.5	1.27	1.39
Taylor	88	93	100	92	95	95	106	95			67	2.3	18.3	1.8	1.60		2.50	1.6	1.39	1.45
Vilas	83	98	99	93	85	85					90	1.8	16.2	1.6	1.16	3.0	2.42	1.1	1.30	1.80
Northeastern Dist...	83.5	90.5	92.4	90.0	81.1	84.3	89.0	90.0	90.6		85.8	1.74	156.8	1.52	1.28	3.16	2.41	1.2	1.28	1.46
Door	87	96	92	91	73	85	85	100	90.7		93	1.7	14.0	1.5	1.16	3.2	2.24	1.1	1.11	1.54
Florence	85	86	93	92	80			100			90	2.0	15.9	1.4	1.26	3.0	2.4	1.1	1.17	1.50
Forest	82	83	92	89	80		100	100			84	1.7	16.8	1.6	1.28	3.0	2.7	1.1	1.31	1.58
Langlade	82	84	93	87	77	80					81	1.7	17.6	1.5	1.58	3.2	2.5	1.1	1.24	1.45
Marquette	88	85	97	95	82	88	80	85	80.0		75	1.8	16.0	1.7	1.10	3.2	2.2	1.1	1.29	1.38
Oconto	77	90	90	91	84	79	92	85	89.1		85	1.6	15.0	1.4	1.30	3.5	2.64	1.1	1.26	1.42
Shawano	88	93	92	88	88	89	90	92	100.0		88	1.9	15.9	1.5	1.26	2.9	2.54	1.5	1.26	1.46
Western District	85.3	92.6	96.1	92.2	88.4	81.9	86.2	87.0	70.0		76.5	1.65	168.0	1.44	1.56	2.88	2.69	1.54	1.33	1.51
Buffalo	89	102	95	92	88	75	86	88		90	91	1.8	17.6	1.3	1.60	3.3	2.66	1.4	1.39	1.58
Jackson	81	84	95	92	90	77	85	75	70.0	78	66	1.5	15.7	1.3	1.56	2.7	2.64	1.2	1.23	1.44
La Crosse	86	96	99	91	92	78	92	95		96	77	2.0	17.3	1.7	1.46	2.9	2.84	1.7	1.39	1.60
Monroe	81	88	95	99	95	80	75	80		78	69	1.6	17.3	1.5	1.52	2.7	2.62	1.6	1.29	1.72
Pepin	85	87	95	86	80	85	90	95			70	1.5	16.3	1.5	1.72	3.0	2.38	1.5	1.29	1.60
Trempealeau	85	92	96	89	87	84	86	95		90	72	1.3	16.1	1.2	1.46	2.7	2.94	1.2	1.36	1.45
Vernon	90	93	96	94	86	90	90	80		88	77	1.6	17.1	1.4	1.48	2.9	2.54	1.4	1.24	1.41
Central District	85.5	83.8	91.8	90.3	83.9	82.2	87.1	91.0	100.0	86.0	79.7	1.62	139.5	1.55	1.33	3.10	2.43	1.08	1.24	1.51
Adams	72	68	89	90		90	90				68	1.5	12.8	1.2	1.26	2.1	1.96	1.2	1.31	1.55
Green Lake	83	88	84	85	82	88	90				83	1.8	15.7	1.6	1.44	2.7	2.60	1.3	1.31	1.38
Juneau	79	74	97	94	76	74	85	92		85	64	1.7	14.2	1.7	1.42	1.9	2.06	1.1	1.21	1.60
Portage	90	85	88	95		80	84	88			83	1.6	11.8	1.1	1.08	2.4	2.54	.9	1.14	1.61
Marquette	78	71	92	92	86	78	81				67	1.6	14.4	1.5	1.30	2.2	1.86	1.1	1.24	1.45
Waupaca	92	90	94	84	90	80	91	91	100.0		86	1.6	14.6	1.7	1.34	3.8	3.44	1.4	1.24	1.61
Waushara	86	86	92	95	95	86	84	90			79	1.4	13.2	1.1	1.26	2.0	2.66	.9	1.26	1.46
Wood	88	90	91	92	85	87	92	83		90	90	1.9	15.8	1.8	1.42	3.5	2.46	1.2	1.23	1.47
Eastern District	92.1	91.7	95.6	93.9	71.7	90.6	78.3	89.5	90.6		90.8	1.75	169.8	1.61	1.52	3.08	2.78	1.30	1.47	1.53
Brown	92	93	96	98	80	88	60	90	98.3		85	1.8	16.2	1.6	1.44	2.5	2.50	1.1	1.23	1.48
Calumet	89	92	96	86	57	98	68	98	89.3		81	1.8	16.7	1.6	1.64	3.2	2.74	1.0	1.64	1.64
Dodge	94	92	96	94	71	94	74	98	97.5		78	1.8	18.3	1.6	1.62	2.6	2.82	1.2	1.60	1.53
Fond du Lac	96	90	95	95	85	83	79	98	94.3		83	2.0	17.5	1.8	1.50	3.4	2.80	1.6	1.66	1.46
Kewaunee	88	88	90	98	85	80	84	75	73.3		73	1.8	14.8	1.5	1.30	2.8	2.50	1.2	1.31	1.45
Manitowoc	88	90	88	90	70	90	91	89	89.0		89	1.7	17.4	1.7	1.50	2.9	2.54	1.2	1.17	1.56
Outagamie	88	89	92	94	90	90	74	88	95.0		103	1.9	16.5	1.7	1.40	3.8	2.94	1.4	1.40	1.46
Ozaukee	97	92	102	94	67	90	79	95	100.0		66	1.1	15.8	1.6	1.44	2.2	2.82	1.1	1.31	1.73
Sheboygan	96	92	101	103	75	88	90	95			71	1.7	17.3	1.5	1.48	2.8	2.60	1.4	1.29	1.47
Washington	96	93	101	92	28	85	87	90	85.0		79	1.4	16.3	1.4	1.52	3.2	3.00	1.1	1.29	1.42
Winnebago	83	94	87	90	75	95	60	90	85.0		85	2.1	16.0							

**ALL TAME HAY AVERAGE 1.70 TONS PER ACRE**

Tame hay averaged 1.70 tons per acre as compared to 1.28 last year, and a 10-year average of 1.62 tons. Total production is given at 5,518,000 tons as against 5,283,000 forecasted on August 1, 4,148,000 tons produced last year, and a 5-year average of 4,844,000 tons.

Mixed clover and timothy averaged 1.75 tons per acre in comparison with 1.28 last year and a 10-year average of 1.62 tons. Production is estimated at 3,518,000 tons as compared to 2,428,000 produced last year, and a 5-year average of 3,229,000 tons.

Timothy yielded 1.51 tons per acre as against 1.30 last year, and a 10-year average of 1.46 tons. Production is given at 723,000 tons as compared to 707,000 produced in 1921, and a 5-year average of 1,028,000 tons.

Clover (alone) production is estimated to be 471,000 tons as compared to 272,000 produced last year, and a 5-year average of 303,000 tons.

In spite of the spotted stand in southern fields, alfalfa this year yielded 2.67 tons per acre. Last year the yield was 2.61 tons, while the 10-year average is 2.68 tons. Production is estimated to be 246,000 tons as compared to 343,000 produced last year and a 5-year average of 190,000 tons.

Condition of millet and other late hays is given at 82%, compared to 86% on August 1, 87% a year ago, and a 10-year average of 87.9%. Production of other tame hays is estimated at 560,000 tons as compared to 398,000 produced last year, and a 5-year average of 94,000 tons.

*United States:*—The tame hay crop of the United States averaged 1.52 tons per acre as compared to 1.39 tons in 1921, and a 5-year average of 1.51 tons. Production of tame hay is estimated at 92.9 million tons as compared to 81.6 million tons produced last year, and a 5-year average of 85.1 million tons.

Timothy made an average crop of 1.36 tons per acre as compared to 1.22 tons last year, and a 10-year average of 1.29 tons.

Alfalfa yielded an average of 2.58 tons per acre as compared to 2.55 last year, and a 10-year average of 2.60 tons.

**WILD HAY CROP AVERAGE**

Wild or marsh hay in Wisconsin will produce about 488,000 tons of hay this year as compared to 427,000 last year, and a 5-year average of 479,000 tons. Average yield is estimated at 1.30 tons per acre, compared to 1.20 tons last year, and a 5-year average of 1.26 tons.

*United States:*—The wild hay crop of the United States is estimated at 15.8 million tons as compared to 15.2 million tons produced last year, and a 5-year average of 17.1 million tons. Average yield is given at 1.00 tons per acre as against .98 tons last year, and a 5-year average of 1.05 tons.

**PASTURES POOR ON SEPTEMBER 1**

High temperatures and lack of rain had a decided effect upon Wisconsin pastures. Their condition on September 1 was 75%, compared to 88% on August 1, 69% a year ago, and a 6-year average of 79.0%. In many sections farmers are feeding green corn or other soilage crops to livestock.

*United States:*—Condition of pastures in the United States is given at 81.3%, compared to 87.9% on August 1, 81.6% a year ago, and a 6-year average of 82.9%.

**APPLE CROP LARGER**

Production of apples in Wisconsin is estimated at 1,881,000 bushels as compared to 1,771,000 forecasted on August 1, 1,050,000 produced in 1921, and a 5-year average of 1,741,000 bushels. Condition on September 1 was 85%, compared to 77% on August 1, 45% on September 1 last year, and a 10-year average of 65.7%.

*United States:*—The United States crop of apples will also be above average. Production is given as 207 million bushels as compared to 98.1 million produced last year and a 5-year average of 179 million bushels. Commercial production is given at 32.6 million barrels as against 21.2 million produced last year and a 5-year average of 26.8 million barrels.

**CRANBERRY CROP 46,000 BARRELS**

Returns from representative cranberry growers indicate that this year's crop will be about 46,000 barrels as against 29,000 last year.

**CLOVER SEED ACREAGE 25% LARGER**

Area of clover intended for seed is estimated to be 25% larger than last year. The area in the principal clover seed sections (from Calumet to Washington Counties) shows a smaller acreage. Other sections of the state, however, show very large increases. Acreage is estimated at 154,000 as compared to 124,000 last year and a 5-year average of 136,000 acres. Production is forecasted at 310,000 bushels as compared to 211,000 produced in 1921 and a 5-year average of 285,000 bushels.

*United States:*—Acreage intended for seed in the United States is estimated at 25.1% above the acreage cut last year, while the forecasted production is 31.9% more than harvested last year.

**MILK PRICE INCREASES SLIGHTLY**

The average price received by farmers for milk (all uses) during August was \$1.54 per cwt., as compared to \$1.52 in July, \$1.62 in August, 1921, and \$2.56 in August, 1920.

**FARM EMPLOYMENT LESS**

The number of hired hands on farms on September 1 was 11.0% less than on August 1. The inquiry concerning the number of hired hands, which is made jointly with the Wisconsin Industrial Commission, shows the following index numbers:

Sept. 1, 1922	127.8
Aug. 1, 1922	143.6
Jan. 1, 1922	51.3
Jan. 1, 1921	56.7
July 1, 1920	100.0

**FARM PRICES DECLINE**

Prices paid to farmers for farm products generally declined during the past month. Below are shown average prices paid by dealers in Wisconsin on the specified dates:

	Aug. 1	July 1		Aug. 15	July 15
Wheat, bu.....	\$ 1.15	\$ 1.14	Hogs, cwt.....	\$8.50	\$ 9.15
Corn, bu.....	.68	.64	Beef cattle, cwt..	4.50	5.05
Oats, bu.....	.38	.40	Veal calves, cwt.	8.20	7.50
Barley, bu.....	.57	.59	Sheep, cwt.....	4.40	4.85
Rye, bu.....	.73	.78	Lambs, cwt.....	9.40	10.10
Potatoes, bu.....	1.40	.88	Wool, lb.....	.30	.31
Butter, lb.....	.36	.35	Apples, bu.....	1.10	1.95
Eggs, doz.....	.20	.21	Beans, bu.....	4.70	4.95
Chickens, lb.....	.184	.181	Cabbage, cwt.....	1.10	3.10
Loose hay, ton..	14.60	15.60	Cloverseed, bu....	9.80	10.30
			Timothy seed, bu.	3.05	3.10

**COMMERCIAL POTATOES**

The Wisconsin potato crop this year, based upon forecasted production on September 1, should leave a surplus of 33,800 cars for shipment. Last year 12,500 cars were shipped; in 1920, 19,980 cars; in 1919, 21,800 cars; and in 1918, 25,200 cars.

Expressed in bushels available for shipment, some 20,276,000 bushels will be available from this year's crop as compared to 7,500,000 bushels last year, 16,838,000 bushels in 1920, 14,185,000 bushels in 1919, and 17,639,000 bushels in 1918.

Condition of the crop in the commercial districts is lower than last month, averaging 80.6% of normal, compared to 93.8% last month, 45.6% for last year's crop at this date, and 64.9% on September 1, 1920. Correspondents estimate the sub-normal condition of potatoes to be due to the various factors as follows: Adverse weather, 53%; inferior seed, 14%; insect damage, 19%; and plant diseases, 14%. Last year on this date, factors were as follows: Adverse weather, 72%; inferior seed, 7%; insect damage, 14%; and plant disease, 7%.

**HONEY PRODUCTION**

The Wisconsin honey crop to September 1 is estimated at 49.1 pounds per colony as compared to 35.7 pounds produced to July 1. The production of surplus honey during the summer months, amounting to only 13.4 pounds per colony, was much below the expectations. With an average fall production, total production for the year will average 55.1 pounds as compared to 42.2 pounds in 1921, 65.2 pounds in 1920, and 53.7 in 1919.

Total production for the year is estimated at 6,281,000 pounds as compared to 4,728,000 pounds produced in 1921, 5,281,000 in 1920 and 5,424,000 in 1919.

Condition of colonies on September 1 was estimated to be 92% of full strength and healthfulness; condition of honey plants at 79% of normal compared to 70% last year.

Prices asked for honey by producers averaged as follows: Wholesale—comb, 22.2c per pound; extracted, 13.6c. Retail—comb, 27.8c per pound; extracted, 17.6c.



UNITED STATES DEPARTMENT OF AGRICULTURE  
Bureau of Agricultural Economics  
H. C. TAYLOR, Chief

WISCONSIN STATE DEPARTMENT OF AGRICULTURE  
Division of Agricultural Statistics  
C. P. NORGORD, Commissioner

# WISCONSIN MONTHLY CROP AND LIVESTOCK REPORTER

JOSEPH A. BECKER, Agricultural Statistician

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## CROP SUMMARY FOR OCTOBER

CROP	Area in Thousands			Production in Thousands				Yield per Acre		
	1922 prelimi- nary	1921	1916-20 average	October, 1922 forecast	Sept., 1922 forecast	1921	1916-20 average	1922 prelimi- nary	1921	10-year average
Corn, bushels	2,219	2,110	1,853	93,808	90,846	97,842	69,139	89 <sup>1</sup>	96 <sup>1</sup>	81 <sup>1</sup>
Potatoes, bushels	325	315	302	37,294	37,453	21,420	28,751	85 <sup>1</sup>	55 <sup>1</sup>	74 <sup>1</sup>
Tobacco, pounds	39.5	47.9	47.1	45,899	46,227	61,406	57,863	83 <sup>1</sup>	92 <sup>1</sup>	87 <sup>1</sup>
Cabbage, tons	17.3	11.0	14.7	166	155	57	115	9.6	5.2	8.2
Sugar beets, tons	13.3	19.4	18.2	119	115	171	170	89 <sup>1</sup>	82 <sup>1</sup>	88 <sup>1</sup>
Onions, bushels	1.3	1.1	1.0	494	407	100	318	380	91	241
Oats, bushels	2,537	2,632	2,317	105,285	106,199	63,958	95,497	41.5	24.3	38.3
Barley, bushels	468	473	588	14,976	15,285	10,642	18,514	32.0	22.5	29.9
Rye, bushels	423	328	360	6,979	6,979	4,756	5,661	16.5	14.5	17.2
Winter wheat, bushels	98	89	81	1,911	1,911	1,424	1,729	19.5	16.0	20.7
Spring wheat, bushels	91	125	269	1,456	1,562	1,338	4,601	16.0	11.1	17.9
Buckwheat, bushels	42	40	28	672	653	596	423	80 <sup>1</sup>	84 <sup>1</sup>	78 <sup>1</sup>
Clover alone, tons	277	218	174	471	471	272	303	1.70	1.25	-----
Timothy alone, tons	479	538	674	723	723	707	1,028	1.51	1.31	-----
Clover and timothy (mixed), tons	1,999	1,897	1,944	3,518	3,518	2,428	3,229	1.76	1.28	1.62
Alfalfa, tons	92	131	71	246	246	343	190	2.67	2.61	2.68
Other tame hay, tons	399	280	65	500	500	398	94	1.40	1.42	1.52
All tame hay, tons	3,246	3,064	2,928	5,518	5,518	4,148	4,844	1.70	1.28	1.62
Wild hay	375	364	341	488	488	437	479	1.30	1.20	1.26
Dry peas, bushels	32.4	35.2	58.6	504	502	433	911	85 <sup>1</sup>	60 <sup>1</sup>	84 <sup>1</sup>
Dry beans, bushels	7.0	4.9	19.1	78	79	50	180	11.2	10.3	10.7
Flaxseed, bushels	5.9	5.6	6.1	70	76	59	65	84 <sup>1</sup>	77 <sup>1</sup>	86 <sup>1</sup>
Clover for seed, bushels	154	124	136	308	310	211	285	77 <sup>1</sup>	69 <sup>1</sup>	79 <sup>1</sup>
Sorghum syrup, gallons	2.5	2.5	3.5	191	180	175	-----	90 <sup>1</sup>	69 <sup>1</sup>	84 <sup>1</sup>
Apples, bushels	-----	-----	-----	2,018	1,881	1,050	1,741	85 <sup>1</sup>	40 <sup>1</sup>	66 <sup>1</sup>
Cranberries, barrels	1.9	1.6	1.9	59	46	29	-----	76 <sup>1</sup>	82 <sup>1</sup>	77 <sup>1</sup>
Pasture	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

<sup>1</sup>Condition.

### GENERAL CROP CONDITIONS CONTINUE HIGH

General crop conditions in Wisconsin increased .9% during September. Composite condition of all crops on October 1 was 106.9% of the 10-year average (not the normal) as compared with 106.0% on September 1, 82.9% on October 1 last year, and 109.6% on October 1, 1920. Late crops were injured somewhat by the extreme heat of the first ten days of September, but recovered practically entirely as a result of the heavy rains and cooler weather during the balance of the month. On October 1 the corn crop had practically escaped frost injury. Only in a limited area in northern Wisconsin was corn frosted before maturity. The outturn of small grains as shown by the yield reports was practically unchanged from the indicated yield of September 1 condition.

Corn prospects increased 3,000,000 bushels, cabbage 11,000 tons; while potatoes declined 200,000 bushels, and tobacco 400,000 pounds.

No new estimates of hay crops were made this month. The production estimate of practically 6,000,000 tons shows one of the largest hay crops ever produced in the state.

*United States:*—General conditions in the United States declined slightly during September. Composite condition on October 1 was 98.6% of the average as compared to 98.8% on September 1, 91.1% on October 1 last year, and 106.9% the previous year.

### CORN MATURES WITHOUT FROST DAMAGE

For four consecutive years Wisconsin has produced large corn crops which matured practically without frost injury. A total production of 93,808,000 bushels is forecasted from October 1 condition. This is an increase of practically 3,000,000 bushels over the September 1 estimate, is nearly equal to the record breaking 1921 crop of 97,482,000 bushels, and is 24,000,000 above the 5-year average. Some fields of corn on the lighter soils were badly "burned" during the exceedingly hot weather of the first ten days of September, which necessitated immediate filling of silos. However, heavy rains and cooler weather following permitted, under ideal conditions, the maturity of such corn as withstood the hot weather. Condition on October 1 was 89% of normal compared with 96% a year ago and a 10-year average of 81%.

Corn is somewhat shorter and lighter than a year ago, consequently the yield per acre of silage this year is only 7.8 tons, compared to 9.0 tons last year and a 5-year average of 7.9 tons.

*United States:*—The United States corn crop on October 1 is estimated at 2,853 million bushels, compared to 2,875 million forecasted on September 1, 3,080 million produced in 1921, and a 5-year average of 2,831 million bushels. Condition on October 1 was 78.4%, compared to 78.7% on September 1, 84.8% on October 1 last year, and a 10-year average of 77.1%.

**POTATO PROSPECT DECLINES SLIGHTLY**

Potatoes did not withstand the hot weather as well as did corn, consequently the condition declined from 86% on September 1, 84.8% on October 1 last year, and a 10-year of 55% a year ago, and a 10-year average of 74.4%. In many counties the vines are still green, and frost would be welcomed in order that potatoes might ripen and thus permit digging before weather becomes inclement. Forecasted production is given at 37,294,000 bushels as compared to 37,453,000 on September 1, 21,420,000 produced last year, and a 5-year average of 28,751,000 bushels.

*United States:*—Potato crop in the United States is now estimated at 433 million bushels, compared to 438 million forecasted last month, 347 million produced last year, and a 5-year average of 373 million bushels. Condition on October 1 was 77.3%, compared to 79.9% on September 1, 66.5% a year ago, and a 10-year average of 73.8%.

**TOBACCO CROP SMALLEST IN YEARS**

With a greatly reduced acreage and the unfavorable weather conditions of late August and early September, the 1922 crop of tobacco will be only approximately 45,899,000 pounds, compared to 46,227,000 forecasted on September 1, 61,406,000 produced in 1921, and a 5-year average of 57,863,000 pounds. The leaves are short and of medium quality. Some of the crop was cut and put into sheds under adverse conditions and is not curing satisfactorily. Condition on October 1 was 83%, compared to 83% on September 1, 92% a year ago, and a 10-year average of 86.6%.

*United States:*—The United States crop is forecasted at 1,355 million pounds, compared to 1,353 million forecasted on September 1, 1,075 million produced last year, and a 5-year average of 1,378 million pounds. Condition on October 1 was 78.9%, compared to 76.2% on September 1, 75.6% a year ago, and a 10-year average of 81.5%.

**CABBAGE BENEFITED BY RAINS**

Cabbage prospects increased from 155,000 tons on September 1 to 166,000 on October 1. This compares with last year's crop of 57,000 tons and a 5-year average crop of 115,000 tons. Average yield is placed at 9.6 tons per acre as compared to 5.2 tons last year and a 10-year average of 8.2 tons.

**ONION CROP ABOVE THE AVERAGE**

Production of onions in 1922 is estimated at 494,000 bushels as compared to 407,000 forecasted on September 1, 1,00,000 bushels produced last year, and a 5-year average of 318,000. Quality is high, as the crop was harvested under ideal weather conditions. Average yield is estimated at 380 bushels per acre as compared to 91 bushels last year and a 10-year average of 241.

**SUGAR BEET CROP FAVORED BY RAINS**

Production of sugar beets, based on October 1 condition, is given at 119,000 tons compared to 171,000 produced last year and a 5-year average of 170,000 tons.

*United States:*—The United States crop of sugar beets is estimated at 5,070,000 tons, compared to 7,782,000 produced last year and a 5-year average of 6,620,000 tons.

**SMALL GRAIN CROPS ABOVE THE AVERAGE**

Total production of small grains, based upon preliminary yield estimates, totals 131,279,000 bushels as compared to 82,174,000 produced last year and a 5-year average of 126,425,000 bushels. Cool weather during July and August when the grain was filling, produced this large crop on a below average acreage.

*United States:*—Production of small grains in United States is given at 2,330 million bushels, compared to 2,079 million produced last year and a 5-year average of 2,491 million bushels.

**OAT CROP OVER 100,000,000 BUSHELS**

Production of oats based upon preliminary estimate of yield per acre is given at 105,285,000 bushels as compared to 63,958,000 produced last year and a 5-year average of 95,497,000 bushels. Preliminary estimate of yield per acre is given at 41.5 as compared with 24.3 last year, and a 10-

year average of 38.3 bushels. Quality of oats is estimated at 94% of a high medium grade, compared to 62% last year and a 10-year average of 87%.

*United States:*—Oats crop of the United States is estimated at 1,230 million bushels, compared to 1,061 million produced last year and a 5-year average of 1,413 million. Average yield is estimated at 29.4 bushels, compared to 23.7 last year, and a 10-year average of 32.4 bushels. Quality of crop is given at 87.7%, compared to 74.7% last year and a 10-year average of 88.4%.

**BARLEY AVERAGES 32 BUSHELS PER ACRE**

Preliminary estimate of barley yield per acre is 32.0 bushels as compared to 22.5 last year, and a 10-year average of 29.9 bushels. Total production is estimated at 14,976,000 bushels, compared to 10,642,000 produced last year and a 5-year average of 18,514,000. Quality of crop was estimated at 92% compared to 73% last year and a 10-year average of 88%.

*United States:*—The United States crop of barley is given at 196 million bushels, compared to 151 million produced last year and a 5-year average of 197 million bushels.

**SPRING WHEAT CROP TO BE 1,456,000 BUSHELS**

Preliminary estimate of spring wheat yield was 16.0 bushels per acre as compared to 11.1 last year and a 10-year average of 17.9 bushels. Because of later maturity, this crop was affected by the dry weather of late summer as well as an attack of red leaf rust. Estimated production is given at 1,456,000 bushels, compared to 1,562,000 forecasted last month, 1,338,000 bushels produced last year and a 5-year average of 4,601,000. Quality was 83%, compared to 65% last year and a 10-year average of 86%.

*United States:*—Spring wheat crop of the United States is estimated at 268 million bushels, compared to 208 million produced last year and a 5-year average of 233 million bushels. Average yield was given at 14.4 bushels per acre, compared to 10.5 last year and a 10-year average of 12.7 bushels. Quality is estimated at 90.0%, compared to 82.2% last year and a 10-year average of 84.6%.

**NO CHANGE IN WINTER WHEAT ESTIMATE**

Estimate of winter wheat in Wisconsin remains unchanged at 1,911,000 bushels. Total wheat production is estimated at 3,367,000 bushels compared to 2,762,000 produced last year and a 5-year average of 6,330,000 bushels.

*United States:*—The United States crop of winter wheat remains unchanged at 542 million bushels, compared to 587 million produced last year. Total wheat crop of the United States is estimated at 710 million bushels as compared to 795 million produced in 1921 and a 5-year average of 799 million bushels.

**RYE CROP UNCHANGED**

The production of rye as given last month is 6,979,000 bushels as compared to 4,756,000 produced last year, and a 5-year average of 5,661,000 bushels.

*United States:*—The United States rye estimate remains at 79.6 million bushels, compared to 57.9 million produced last year and a 5-year average of 67.8 million bushels.

**BUCKWHEAT CROP TO BE 672,000 BUSHELS**

Production of buckwheat is given at 672,000 bushels, compared to 596,000 produced last year, and a 5-year average of 423,000 bushels.

*United States:*—The United States crop of buckwheat is estimated at 14.0 million bushels as compared to 14.1 million produced last year and a five year average of 14.4 million bushels.

**APPLES**

Production of apples is estimated at 2,018,000 bushels as compared to 1,050,000 produced in 1921 and a 5-year average of 1,741,000 bushels. Condition on October 1 was 85%, compared to 40% a year ago, and a 20-year average of 66.0%.

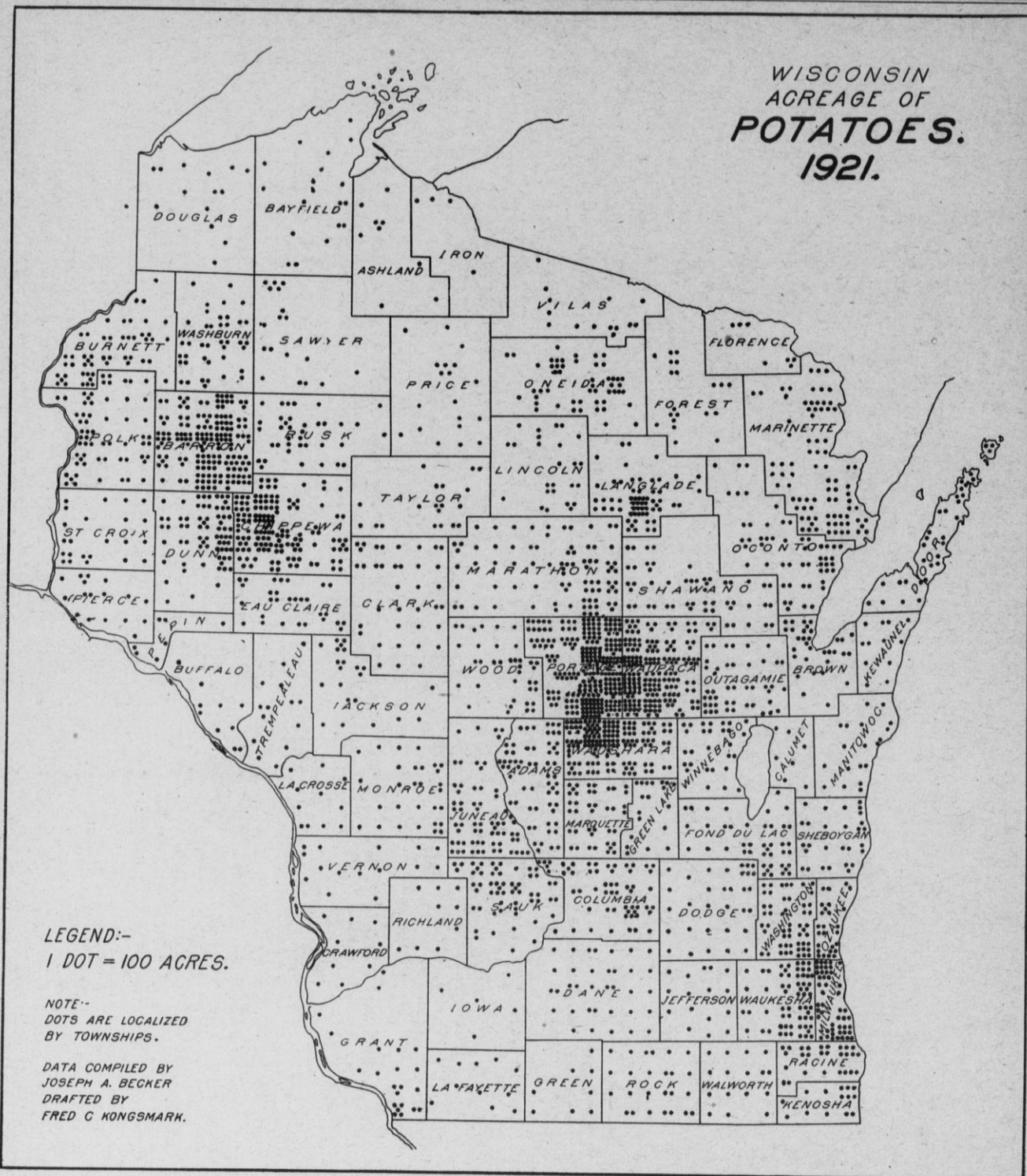
*United States:*—The United States crop of apples is given at 203.6 million bushels as compared to 98.1 million produced last year and a 5-year average of 179 million bushels. Commercial crop is given at 31.6 million barrels as against 21.2 million produced last year, and a 5-year average of 26.8 million barrels.



## CONDITION AND YIELDS OF WISCONSIN CROPS, OCTOBER 1, 1922

COUNTIES	Condition in Per Cent of Normal								Yield per Acre—Preliminary								Farm Price Milk per Cwt. Sept., 1922
	Corn	Potatoes	Buckwheat	Clover Seed	Sugar Beets	Tobacco	Apples	Pasture	Oats		Barley		Spring Wheat		Cabbage		
									1922	10-yr. Ave.	1922	10-yr. Ave.	1922	10-yr. Ave.	1922	7-yr. Ave.	
Northwestern District.....	81.2	74.6	76.9	82.4	83.0	82.1	88.0	74	39.9	38.5	31.2	29.4	15.0	17.0	8.0	7.28	1.63
Barron.....	69.3	73	75	80	80	80	90	73	46	40.2	37	29.4	18	17.0	-----	7.64	1.60
Bayfield.....	83.3	80	80	89	-----	-----	96	81	37	39.1	30	29.9	18	18.2	-----	7.46	1.65
Burnett.....	79.6	68	85	83	-----	-----	65	72	40	33.8	30	26.5	15	13.5	-----	6.09	1.70
Chippewa.....	81.0	73	73	85	83	80	96	82	44	38.7	31	28.0	16	15.8	6.0	7.32	1.55
Douglas.....	90.0	90	-----	90	-----	-----	85	70	36	37.6	32	27.1	15	18.1	8.0	6.59	1.85
Dunn.....	81.4	81	78	78	-----	81	94	68	33	35.6	28	29.9	14	17.6	-----	6.76	1.42
Eau Claire.....	90.6	88	79	88	85	-----	88	70	32	36.5	30	29.8	14	15.9	7.5	7.00	1.45
Pierce.....	95.7	75	-----	87	-----	92	70	43	39.4	35	27.6	18	16.5	8.5	-----	6.98	1.70
Polk.....	78.7	69	-----	65	-----	75	85	67	47	41.7	34	31.8	17	17.1	-----	7.13	1.60
Rusk.....	80.8	61	75	87	-----	75	80	61	38	39.8	30	30.6	15	17.3	-----	7.46	1.48
St. Croix.....	84.8	86	-----	90	-----	-----	95	86	44	39.1	29	29.8	15	16.3	7.0	7.78	1.69
Sawyer.....	83.8	76	90	70	-----	-----	80	71	36	38.4	26	29.9	15	17.5	-----	6.66	1.50
Washburn.....	68.3	65	65	72	-----	-----	75	77	37	37.0	25	28.0	15	16.0	-----	6.33	1.60
Northern District.....	86.8	91.1	83.6	88.9	97	-----	92.2	80	44.4	37.7	31.2	29.0	18.1	17.3	10.5	7.38	1.63
Ashland.....	83.3	84	-----	80	-----	-----	82	78	42	37.1	30	30.3	12	15.3	11	7.32	1.62
Clark.....	84.3	86	83	84	-----	-----	83	63	43	40.5	37	29.6	16	17.4	10	7.56	1.55
Iron.....	80.0	85	75	-----	-----	-----	92	80	40	37.0	32	25.6	15	17.9	-----	6.62	1.95
Lincoln.....	80.7	89	80	89	97	-----	89	90	42	36.6	28	28.4	19	17.3	-----	7.55	1.54
Marathon.....	90.0	93	95	91	-----	-----	90	78	46	36.6	34	29.1	22	17.1	-----	7.06	1.60
Oneida.....	88.3	92	-----	-----	-----	-----	75	90	41	38.2	26	26.6	20	18.4	-----	6.55	1.95
Price.....	95.0	96	-----	95	-----	-----	92	91	46	36.0	26	26.5	12	16.0	-----	6.90	1.43
Taylor.....	94.3	98	95	92	-----	-----	90	73	48	38.4	31	28.0	19	16.2	-----	7.09	1.61
Vilas.....	82.5	93	80	-----	-----	-----	80	81	40	36.3	26	28.0	10	16.7	-----	6.32	1.60
Northeastern District.....	83.8	88.5	82.5	90.0	95	-----	98.6	89	42.0	34.6	30.2	28.1	13.3	15.2	-----	7.87	1.52
Door.....	93.3	93	75	85	89	-----	93	93	39	34.0	27	27.1	8	13.8	-----	7.82	1.53
Florence.....	-----	77	-----	-----	-----	-----	-----	85	44	33.6	32	30.1	-----	15.5	-----	6.96	1.55
Forest.....	85.8	76	-----	-----	-----	-----	90	78	46	35.7	34	30.5	-----	16.1	-----	6.58	1.54
Langlade.....	95.0	82	-----	-----	-----	-----	103	88	45	38.1	30	29.6	-----	16.3	-----	6.79	1.45
Marquette.....	73.3	84	90	95	100	-----	98	87	40	33.8	25	25.7	-----	15.3	-----	8.30	1.51
Oconto.....	83.6	90	79	92	95	-----	101	95	37	34.8	26	28.1	15	15.5	-----	9.18	1.52
Shawano.....	91.1	96	-----	89	95	-----	101	87	44	35.0	30	28.2	18	16.1	-----	7.22	1.64
Western District.....	88.8	91.5	75.0	79.5	90	86.5	69.6	73	41.7	37.2	33.1	28.9	17.5	17.5	9.5	7.30	1.63
Buffalo.....	90.0	94	-----	77	-----	82	50	77	41	36.8	34	27.1	19	17.9	-----	6.43	1.60
Jackson.....	81.6	73	75	74	-----	70	62	60	36	36.0	30	28.1	17	16.9	-----	7.12	1.62
La Crosse.....	93.6	97	72	92	-----	90	72	80	48	40.5	43	29.9	23	20.4	9.3	7.96	1.72
Monroe.....	90.0	91	75	85	90	83	88	79	44	37.8	26	26.6	18	17.5	9.5	7.26	1.70
Pepin.....	82.6	90	68	70	-----	-----	60	60	37	37.8	27	27.2	18	18.3	10.0	7.55	1.70
Trempealeau.....	87.0	92	85	77	90	87	88	75	36	35.5	30	28.5	15	16.1	-----	6.88	1.55
Vernon.....	94.0	96	-----	78	-----	89	60	74	41	37.8	31	29.7	14	16.6	-----	6.40	1.55
Central District.....	85.2	85.5	89.2	80.7	98	-----	92.0	77	35.1	31.0	-----	28.7	17.5	16.5	8.5	8.60	1.62
Adams.....	69.2	74	90	77	-----	-----	-----	69	30	28.2	31	27.6	12	13.5	-----	8.13	1.60
Green Lake.....	97.5	91	80	78	-----	-----	-----	60	32	33.9	33	29.8	19	17.9	-----	7.74	1.45
Juneau.....	75.0	78	75	68	-----	-----	85	60	38	32.4	33	28.7	17	16.0	8.5	7.50	1.72
Portage.....	88.3	90	88	85	-----	-----	90	88	37	27.9	-----	27.0	18	13.4	-----	7.18	1.75
Marquette.....	90.0	82	90	84	-----	-----	68	34	29.5	26	-----	26.9	20	13.8	-----	8.59	1.55
Waupaca.....	87.5	88	90	82	98	-----	93	83	39	34.3	29	28.4	16	16.9	9.0	9.02	1.75
Waushara.....	89.1	89	93	86	-----	-----	92	81	34	28.1	30	27.8	19	14.5	-----	8.20	1.57
Wood.....	89.2	90	92	83	-----	-----	100	89	35	35.2	33	28.6	16	16.5	6.5	8.87	1.57
Eastern District.....	94.9	93.0	78.7	70.5	89	-----	86.0	86	47.0	41.5	35.5	29.7	16.8	18.7	9.3	8.30	1.66
Brown.....	85.0	93	-----	60	85	-----	90	94	43	36.2	36	28.7	12	17.2	9.5	9.80	1.57
Calumet.....	91.2	88	90	45	85	-----	70	83	46	39.9	35	28.5	14	17.3	-----	7.71	1.68
Dodge.....	96.3	88	70	85	-----	-----	72	82	50	44.6	43	29.9	17	20.0	-----	8.55	1.55
Fond du Lac.....	92.5	91	65	90	95	-----	72	86	45	42.7	36	29.3	20	19.1	9.0	8.39	1.64
Kewaunee.....	95.0	93	85	90	95	-----	95	92	44	36.5	38	29.2	19	16.0	-----	8.68	1.60
Manitowoc.....	99.0	96	-----	66	95	-----	87	83	40	39.8	35	29.5	15	17.1	-----	8.71	1.70
Outagamie.....	93.0	95	85	58	85	-----	84	90	40	37.4	26	28.6	15	17.6	9.3	8.52	1.62
Ozaukee.....	96.0	94	-----	84	90	-----	86	88	48	43.4	34	29.4	17	20.1	10.0	8.08	1.61
Sheboygan.....	101.0	93	90	81	93	-----	88	85	51	45.3	35	30.5	21	19.2	-----	7.93	1.73
Washington.....	91.4	91	90	82	82	-----	89	84	50	45.1	29	30.1	9	19.2	8.8	9.03	1.67
Winnebago.....	90.0	88	75	65	85	-----	92	80	43	42.0	33	30.1	16	19.9	10.0	8.00	1.67
Southwestern District.....	88.5	86.4	88.7	73.4	-----	85.2	83.2	76	40.7	39.0	29.8	31.2	13.0	17.8	-----	7.78	1.51
Crawford.....	83.3	80	70	55	-----	78	79	75	33	35.3	30	30.0	12	16.0	-----	8.32	1.43
Grant.....	83.3	83	-----	65	-----	76	75	71	44	40.0	34	31.4	16	17.9	-----	7.21	1.47
Lafayette.....	93.0	89	95	90	-----	-----	95	74	41	39.8	32	30.2	13	18.1	-----	7.53	1.56
Iowa.....	85.0	83	85	92	-----	-----	82	75	42	40.1	25	32.4	15	19.3	-----	7.80	1.55
Richland.....	95.1	96	95	92	-----	93	84	83	40	38.9	26	30.8	13	18.2	-----	7.63	1.57
Southern District.....	89.0	85.1	80.0	77.8	95	81.0	87.4	77	37.8	39.1	31.7	31.0	14.9	18.7	9.0	8.05	1.65
Columbia.....	86.6	81	72	74	-----	80	74	67	36	37.0	34	30.6	14	16.4	-----	7.70	1.49
Dane.....	84.0	82	75	75	85	75	65	65	36	39.4	30	31.2	15	18.4	9.0	8.34	1.60
Green.....	92.																

# WISCONSIN ACREAGE OF POTATOES. 1921.



Where the record 1922 potato crop is being harvested.

## CRANBERRY CROP LARGE

A large increase in the Wisconsin cranberry estimate is shown by reports of growers on October 1. Growers harvested, practically without exception, a larger crop than they anticipated on September 1. Estimate is given at 59,000 barrels as against 29,000 produced last year and 36,000 barrels in 1920.

Massachusetts crop on September was estimated at 270,000 barrels, compared to 189,000 last year; New Jersey crop at 195,000 barrels compared to 188,000 barrels last year.

## CLOVER SEED

Production of clover seed is estimated to be 308,000 bushels compared to 211,000 produced in 1921 and a 5-year average of 285,000 bushels.

## MILK PRICE INCREASES

Average price received by farmers for milk (all uses) during September was \$1.65, compared to \$1.54 in August, \$1.62 in September last year, and \$2.57 in September, 1920.

## FARM EMPLOYMENT DECREASES

The number of hired hands on farms on October 1 was 2.5% less than on September 1. The inquiry concerning the number of hired hands, which is made jointly with the Wisconsin Industrial Commission, shows the following index numbers:-

October 1, 1922 .....	124.6
September 1, 1922 .....	127.8
January 1, 1922 .....	51.3
January 1, 1921 .....	56.7
July 1, 1920 .....	100.0



UNITED STATES DEPARTMENT OF AGRICULTURE

Bureau of Agricultural Economics

H. C. TAYLOR, Chief

SECRETARY'S OFFICE

NOV 28 1922

WISCONSIN STATE DEPARTMENT OF AGRICULTURE

Division of Agricultural Statistics

C. P. NORGORD, Commissioner

WISCONSIN

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PAUL O. NYHUS, Agricultural Statistician

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November, 1922

CROP SUMMARY FOR NOVEMBER 1, 1922

Crop	Acreage in Thousands			Production in Thousands				Yield per Acre		
	1922 preliminary	1921	1916-20 average	Nov., 1922 forecast	October, 1922 forecast	1921	1916-20 average	1922 preliminary	1921	10-year average
Corn, bu.....	2,219	2,110	1,853	96,526	93,808	97,842	69,139	43.5	46.2	37.3
Potatoes, bu.....	325	315	302	39,000	37,294	21,420	28,751	120	68	103
Tobacco, pounds.....	39.5	47.9	47.1	45,227	45,899	61,406	57,863	1,145	1,282	1,192
Sugar beets, tons.....	13.3	19.4	18.2	118	119	171	170	89 <sup>1</sup>	86 <sup>1</sup>	89 <sup>1</sup>
Buckwheat, bu.....	42	40	28	592	672	596	423	14.1	16.0	15.6
Dry peas, bu.....	32.4	35.2	58.6	486	504	433	911	15.0	12.3	15.1
Flax seed.....	5.9	5.6	6.1	77	70	59	65	13.0	10.5	10.8
Clover seed.....	155	124	136	294	308	211	285	1.9	1.7	2.27
Sorghum, syrup, gals.....	2.5	2.5	3.5	150	191	175	-----	60	70	72
Apples, bushels.....	-----	-----	-----	2,024	2,018	1,050	1,741	88 <sup>1</sup>	-----	-----

<sup>1</sup> Condition.

WISCONSIN HAS ANOTHER EXCELLENT CORN HARVEST

The total corn harvest of Wisconsin closely approaches the 1921 record crop. The average yield per acre of both grain and silage is slightly less than last year, but the total corn acreage has increased 100,000 acres.

Average yield of corn for grain is estimated at 43.5 bushels per acre, which is 2.7 bushels less than the 1921 yield. Corn for silage was somewhat shorter and lighter than a year ago, making the yield of silage this year 7.8 tons per acre, compared to 9.0 tons last year, and a 5-year average of 7.9 tons.

*United States:*—In the United States, corn production is above the average for the past five years, but 6% below the crop of 1921. The United States corn crop is estimated at 2,896 million bushels, compared to the average production for the 5-year period (1916-1920) of 2,831 million bushels.

PRODUCTION OF POTATOES GREATER THAN OCTOBER 1 INDICATIONS

An almost ideal harvest season increased the forecast of potato production in Wisconsin to 39,000,000 bushels. The harvest of 1921 was 21,420,000 bushels. The average production for the 5-year period (1916-20) was 28,751,000 bushels. Average yield per acre is estimated at 120 bushels, which is 52 bushels per acre greater than the yield of 1921, and 17 bushels above the 10-year average yield.

*United States:*—The potato crop of the United States is estimated at 434 million bushels, compared to 347 million produced in 1921, and a 5-year average production (1916-1920) of 373 million bushels.

CLOVER SEED PRODUCTION IS 40% GREATER THAN 1921 CROP

Wisconsin has produced a good crop of clover seed. The estimated production is 294,000 bushels, which is 9,000 bushels above the 5-year average, and 40% greater than the crop of last year.

BUCKWHEAT CROP IS ABOUT THE SAME AS LAST YEAR

The production of buckwheat is estimated at 592,000 bushels, which is practically the same as the production of 1921. Yield per acre for 1922 is 14.1 bushels. This is 1.9 bushels below the yield per acre of last year and 1.5 bushels below the 10-year average yield.

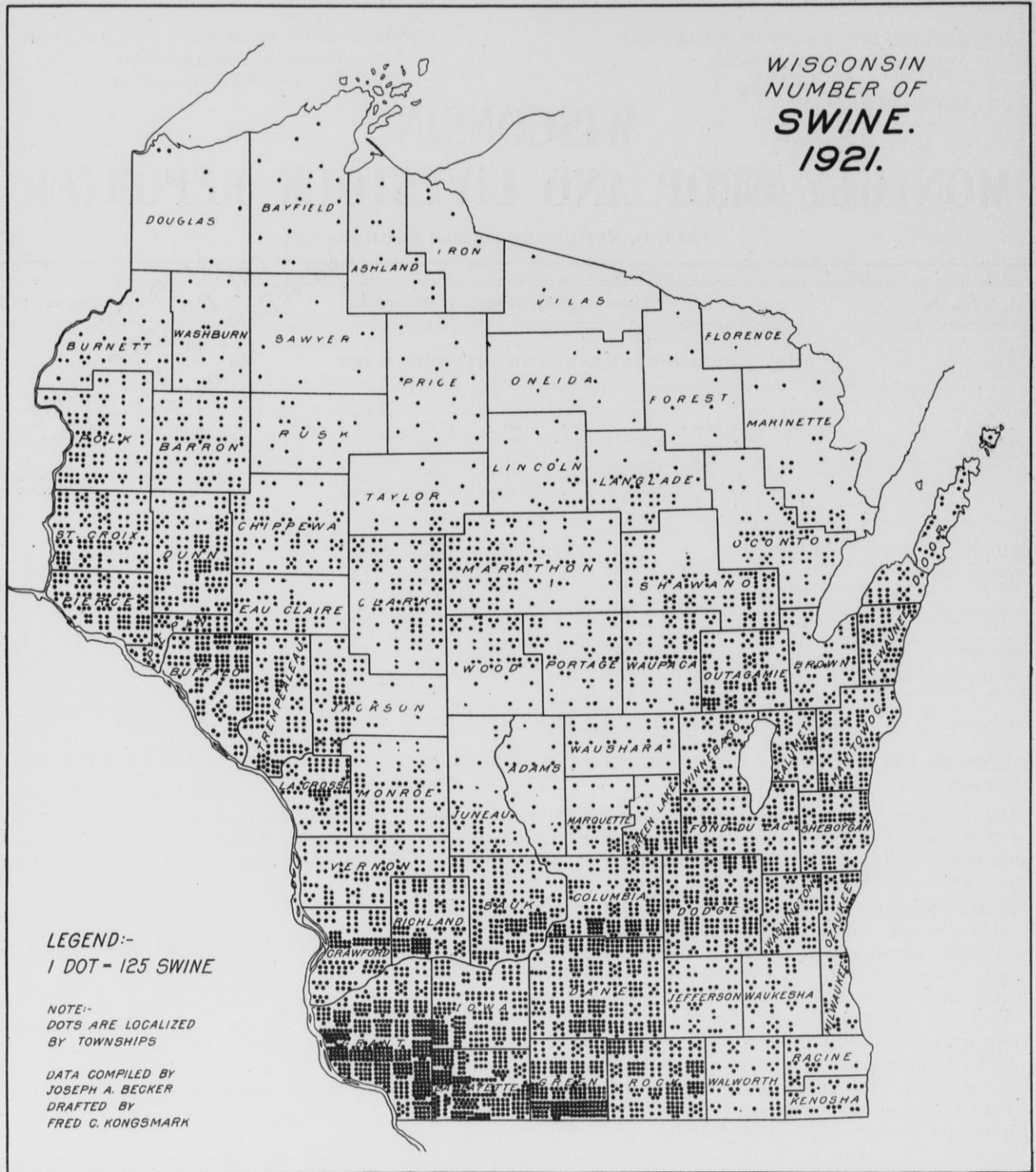
*United States:* Production for the United States is 13,643,000 bushels, compared to 14,079,000 bushels produced in 1921, and a 5-year average production of 14,426,000 bushels.

TOBACCO HARVEST IS 26% LESS THAN LAST YEAR

There is a marked decrease of 26% in the tobacco harvest of the state compared to last year. A production of 45 million pounds is given for the current year. The 1921 crop was 61 million pounds, and the 5-year average production 58 million pounds.

*United States:*—Production for the United States is estimated at 1,330 million pounds, compared to 1,075 million pounds produced last year. The 5-year average production is 4 percent greater than the current year's production.

# WISCONSIN NUMBER OF SWINE. 1921.



**HOGS MAKE UP A PART OF THE LIVE STOCK PRODUCTION IN ALL OF THE 71 COUNTIES OF THE STATE. THE GREATEST PRODUCTION IS FOUND IN THE SOUTHWESTERN PORTION OF THE STATE, WHERE IN 10 COUNTIES 38% OF WISCONSIN HOGS ARE CONCENTRATED.**

## WEIGHT OF MEASURED BUSHEL OF SMALL GRAINS RUNS HIGH

Weather conditions at the time small grains were maturing favored well filled, plump kernels and, accordingly, the average weight per measured bushel was more than last year. Weight per measured bushel of oats averaged 33.9 pounds; of barley, 48 pounds; of spring wheat, 56.6 pounds; of rye, 56.3 pounds; and of winter wheat, 58.6 pounds.

## CONDITION OF SUGAR BEETS IS THE SAME AS 10-YEAR AVERAGE CONDITION

Condition of sugar beets on November 1 is estimated at 89% and is identical with the 10-year average condition, but is 3% higher than the condition on November 1 last year. Total production is forecasted at 118,000 tons, which is 30% less than the production of 1921.

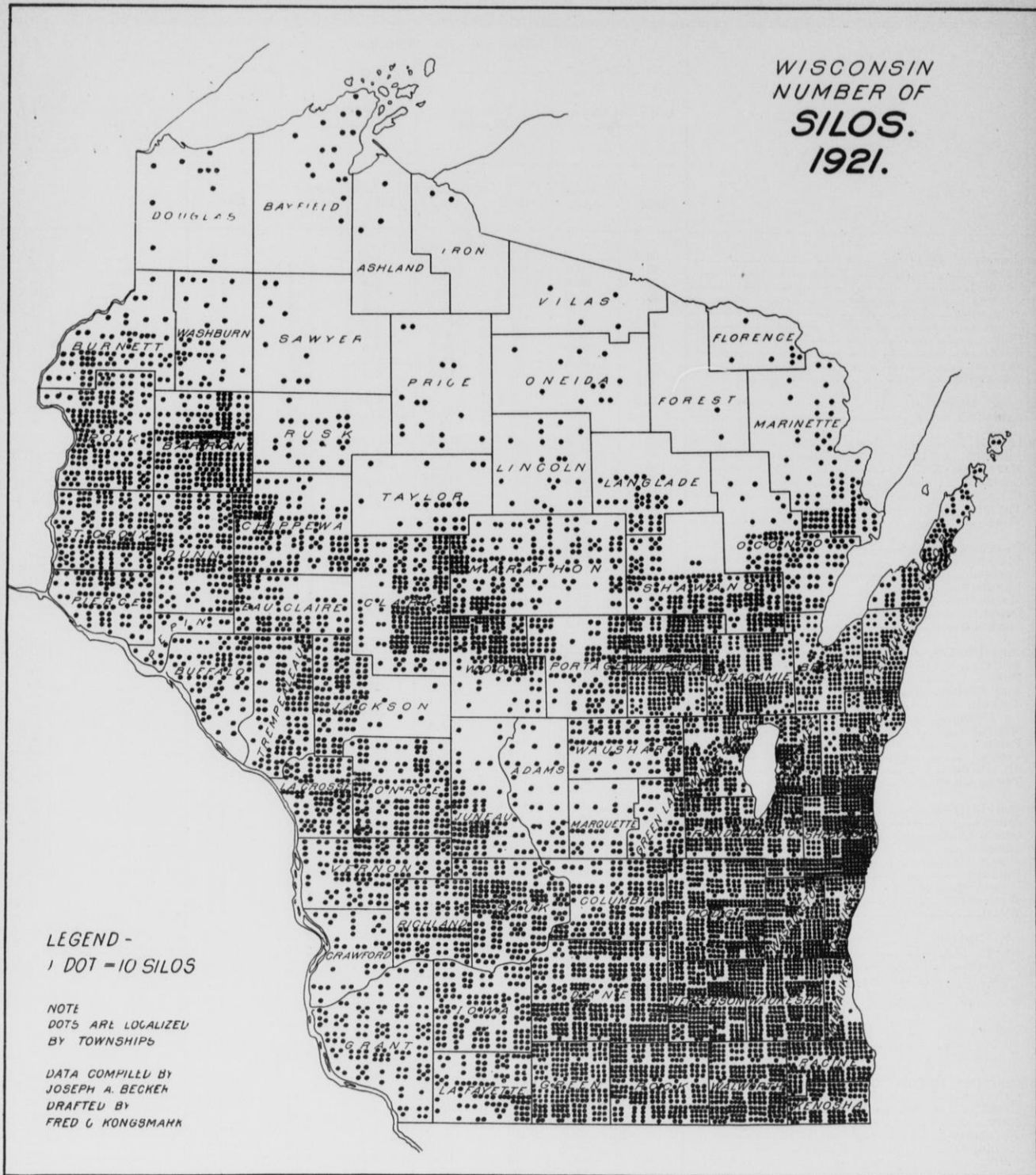
**United States:**—Production for the United States is forecasted at 5,000,000 tons, compared to 7,782,000 tons produced last year, and a 5-year average of 6,623,000 tons.



## CONDITION AND YIELD OF WISCONSIN CROPS, NOVEMBER, 1, 1922

	Yield per Acre—Preliminary							Condition Per Cent of Normal, Sugar Beets, 1922	Farm Price of Milk per Cwt. October, 1922
	Corn for Grain Bushels		Potatoes Bushels		Clover Seed Bushels		Clover for Hay (all cuttings) Tons		
	1922	5-year Ave.	1922	5-year Ave.	1922	5-year Ave.	1922		
Northwestern District.....	36.5		107.2		1.91		2.49		1.88
Barron.....	27	30.6	101	107.8		2.00	2.5		1.80
Bayfield.....	38	28.8	101	112.8	1.4	1.74	2.8		1.95
Burnett.....	26	27.8	90	98.0	2.0	1.72	2.3		1.92
Chippewa.....	42	34.0	118	103.2	1.6	1.78	2.4		1.87
Douglas.....	37	25.4	126	113.8	2.5	2.20	2.4		2.00
Polk.....	40	32.6	121	108.0	2.7	1.90	2.5		1.75
Rusk.....	38	30.8	95	118.2	2.5	2.06	3.5		1.77
Sawyer.....	37	26.4	90	118.6		2.06	2.0		1.75
Washburn.....	39	26.6	125	92.0	1.8	1.98	2.2		1.76
Northern District.....	41.9		151.9		1.95		2.52		1.84
Ashland.....		23.6	132	108.0		1.98	2.0		1.70
Clark.....	41	29.0	136	104.4	1.8	2.30	2.6		1.83
Iron.....	40	24.8	145	114.0		1.90	1.8		2.10
Lincoln.....	37	27.6	181	114.0	2.0	1.94	2.2		1.83
Marathon.....	45	28.2	156	99.4	2.0	2.00	2.6		1.90
Oneida.....	40	25.8	130	115.8		2.12	1.5		1.85
Pribe.....	40	24.4	138	111.4		2.04	3.0		1.84
Taylor.....	45	25.8	177	123.0		2.10	3.1		1.85
Vilas.....	35	24.0	174	119.8		1.86	1.8		1.75
Northeastern District.....	45.2		133.5		1.87		2.31		1.87
Florence.....	42	23.6	118	124.2		2.12	2.0		1.90
Forest.....	30	23.6	124	124.2		2.12	1.8		1.93
Langlade.....	40	25.0	142	123.4		2.16	2.4		1.84
Marinette.....	38	29.2	111	110.6	1.8	2.16	2.2		1.81
Oconto.....	45	36.4	156	104.4	2.0	2.14	2.1		1.98
Shawano.....	48	38.4	133	103.2	1.8	2.10	2.7		1.92
Western District.....	43.4		141.8		1.65		2.17		1.81
Buffalo.....	50	37.2	148	88.2	1.6	2.08	2.4		1.75
Dunn.....	35	34.4	115	92.6	1.5	2.10	1.9		1.72
Eau Claire.....	42	32.2	121	88.0	1.6	1.90	1.8		1.70
Jackson.....	38	30.4	134	92.4	1.9	2.10	2.0		1.79
La Crosse.....	44	38.8	192	85.0	1.4	2.06	2.2		1.77
Monroe.....	43	37.8	158	90.4	2.2	2.02	2.1		2.10
Pepin.....	50	39.0	143	92.4	1.2	1.98	2.3		2.00
Pierce.....	50	38.0	144	93.4	1.5	1.86	2.8		2.05
St. Croix.....	41	36.6	135	100.2	1.2	1.94	2.6		1.87
Trempealeau.....	49	37.2	146	91.8	1.6	2.04	2.1		1.80
Central District.....	37.8		118.0		1.80		2.19		1.81
Adams.....	24	24.6	71	62.4	1.5	1.58	1.4		1.75
Green Lake.....	40	36.0	112	84.0	1.4	1.68	2.2		1.76
Juneau.....	43	30.2	135	84.0	2.6	1.80	2.8		1.77
Marquette.....	40	32.2	95	74.8	1.6	1.90	2.1		1.75
Portage.....	35	31.6	130	75.0	1.9	1.64	1.7		1.88
Waupaca.....	44	34.6	161	90.8	2.3	1.76	2.1		2.15
Waushara.....	35	29.8	110	72.0	1.7	1.52	2.2		1.72
Wood.....	38	26.0	120	82.4	1.6	2.12	2.6		1.86
Eastern District.....	53.7		137.3		1.67		2.45		1.91
Brown.....	55	34.4	119	93.0		2.12	2.5	90.0	1.96
Calumet.....	52	38.6	150	88.0	2.5	2.52	2.5	85	2.00
Door.....	48	27.2	134	100.6	1.7	2.18	1.9	94	1.86
Fond du Lac.....	54	41.0	146	94.0	1.1	1.90	2.8	93	1.93
Kewaunee.....	50	30.4	127	99.4		2.12	3.0	90	1.92
Manitowoc.....	55	38.8	123	92.2	1.6	2.40	2.4	80	1.93
Outagamie.....	52	40.8	142	96.0	1.2	2.32	2.5	89	1.93
Sheboygan.....	55	45.6	139	87.4	2.0	2.74	2.1		1.89
Winnebago.....	55	34.8	175	85.8	2.0	2.40	2.6		1.75
Southwestern District.....	44.8		129.4		1.58		2.33		1.80
Crawford.....	38	40.0	136	79.6	1.5	2.24	2.0		1.97
Grant.....	46	40.4	113	83.0	1.2	1.46	2.4		1.80
Iowa.....	46	39.6	150	84.2	1.0	2.16	2.1		1.80
Lafayette.....	46	39.0	113	73.4	1.4	1.16	1.9		1.79
Richland.....	47	38.0	129	91.8	2.2	2.00	2.6		1.89
Sauk.....	44	35.4	124	85.6	2.3	1.74	2.9		1.93
Vernon.....	42	37.2	174	94.2	1.6	2.10	1.9		1.79
Southern District.....	45.2		116.8		1.77		1.91		1.75
Columbia.....	39	36.8	92	75.8	2.0	1.56	1.7	100	1.78
Dane.....	45	40.2	108	73.4	2.0	1.76	2.1	95	1.75
Dodge.....	52	42.6	156	88.4	2.0	2.00	2.0	50	1.79
Green.....	43	34.0	113	65.6	1.0	1.66	1.9	75	1.75
Jefferson.....	55	41.0	128	89.0	1.2	1.72	2.0	92	1.80
Rock.....		33.8	119	79.4	1.3	1.80	1.8	93	1.76
Southeastern District.....	48.7		118.7		2.01		2.12		2.02
Kenosha.....		30.0	122	65.8	1.5	1.50	2.0	86.6	2.15
Milwaukee.....		32.6	119	72.2	1.7	1.64	2.4	88	2.00
Ozaukee.....		43.8	108	84.8	3.0	2.60	2.4	90	2.00
Racine.....		41.4	105	84.2	1.4	1.52	1.9	76	1.90
Walworth.....	47	35.6	109	81.8	1.4	1.44	1.8		1.97
Washington.....	47	42.4	143	94.0	3.0	2.62	2.7	92	1.91
Waukesha.....	50	39.4	130	88.0	2.0	1.88	1.9	87	2.15
State.....	43.5	37.6	120.0	90.44	1.9	2.10	2.3	89.0	1.86

WISCONSIN  
NUMBER OF  
**SILOS.**  
1921.



EVERY COUNTY CONTRIBUTES TO WISCONSIN'S LEADERSHIP IN THE UNITED STATES IN THE NUMBER OF SILOS. MORE THAN 90,000 SILOS RECEIVED THE HARVEST FROM 36% OF THE CORN ACREAGE OF WISCONSIN IN 1921.