Published by Authority of the Hon. H. H. Stevens, M.P.,
Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS - CANADA
AGRICULTURAL BRANCH

Dominion Statistician: R. H. Coats, B.A., F.S.S. (Hon.), F.R.S.C.
Chief, Agricultural Branch: T. W. Grindley, Ph.D.

Ottawa, August 10, 1933, 4 p.m.- The Dominion Bureau of Statistics issues today a bulletin compiled from the returns of crop correspondents giving (1) the condition of field crops on July 31, expressed numerically in percentages of the long-time average; (2) revised estimates of the acreage sown to the five principal grain crops of the three Prairie Provinces, the areas now published representing the results obtained by the annual statistics collected in June last; and (3) a preliminary estimate of the yield of fall wheat, fall rye, hay and clover and alfalfa (first cutting).

SUMMARY

High temperatures and lack of moisture caused severe declines in crop condition during the month of July. The effects of heat and drought were accentuated by insect and frost damage in important sections of the Prairie Provinces. Only moderate depreciation was recorded in the Maritimes, Quebec and British Columbia, but in Ontario and the three Prairie Provinces, the declines were very severe. Condition figures for Canada range from 57 to 16 per cent below average for the different crops.

The greatest decreases in condition during the month were in flax, wheat, barley and oats. The flax crop, on a greatly reduced acreage, showed a condition of only 43 at July 31. The condition of the main wheat crop was shown to be 57, which, with one exception (1931), is the lowest figure at that date in the records of the Bureau. The coarse grains also suffered severely from drought and prospects are for about two-thirds of an average yield per acre. Potatoes declined in condition from 95 at June 30 to 84 at July 31, 1933. This latter figure may be compared with a condition of 95 at the same date of 1932. All the fodder crops and pasture declined in prospects during the month. Considering all crops, the yield prospects for 1933 are among the lowest on record for Canada.

The yield per acre of fall wheat is considerably below that of 1932 and even with the slight increase in acreage this year, total production is placed lower, being 14,143,000 bushels compared with 15,062,000 bushels in 1932. The production of fall rye in Canada in 1933 is estimated at 5,104,000 bushels compared with 7,132,000 bushels last year. This decline is mainly due to reduced acreage and yield per acre in Saskatchewan.

The drouth in eastern Canada was largely responsible for the reduced production of hay and clover, which is estimated at 11,093,000 tons for Canada compared with 13,559,000 tons last year.

The condition figures quoted are based on reports filed about the end of July. Some change in prospects has occurred in the past ten days. More ample precipitation has helped the late crops and pastures in the Maritime Provinces and eastern Canada. Spring-sown grains were generally too far advanced in growth to derive much benefit from the moisture. In those districts of the Prairie Provinces where wheat stands were still promising some good rains have fallen, but across the southern wheat lands, where the crops are light, the drought still persists. The feed situation in these districts is critical and heavy rains in the remainder of the growth period would be of great assistance. The weather has been generally favourable for harvesting operations not only on the Prairies, but in British Columbia also.

CONDITION OF FIELD CROPS, JULY 31, 1933.

For all Canada, the condition of the principal field crops in percentage of the long-time average yield per acre is as follows, with the condition for June 30, 1933 and July 31, 1932 within brackets: Spring wheat 57 (77, 88); oats 67 (84, 90); barley 65 (84, 87); spring rye 55 (73, 91); peas 82 (93, 91); beans 75 (86, 92); buckwheat 82 (92, 97); mixed grains 76 (88, 95); flaxseed 43 (69, 79); corn for husking 78 (89, 90); potatoes 84 (95, 95); turnips, etc. 80 (91, 94); fodder corn 81 (89, 90); sugar beets 83 (94, 95); pasture 77 (89, 93).

For the Prairie Provinces, the condition of the principal crops on the same dates is as follows: Manitoba - spring wheat 69 (85, 92); oats 66 (85, 87); barley 63 (83, 84); spring rye 75 (88, 89); flaxseed 67 (81, 83); Saskatchewan - spring wheat 52 (74, 83); oats 55 (78, 83); barley 61 (81, 83); spring rye 43 (72, 87); flaxseed 38 (67, 77). Alberta - spring wheat 61 (79, 97); oats 61 (81, 94); barley 64 (85, 93); spring rye 59 (69, 98); flaxseed 52 (75, 90).

YIELD OF FALL WHEAT, FALL RYE AND HAY AND CLOVER MEADOWS.

The total yield of fall wheat in Canada is now estimated at 14,143,000 bushels from 559,000 acres, a yield per acre of 25.3 bushels, as compared with 15,062,000 bushels from 536,000 acres, a yield per acre of 28.1 bushels, in 1932.

Fall rye in Canada shows a yield of 5,104,000 bushels from 434,900 acres, as compared with 7,132,000 bushels from 613,900 acres in 1932, the yields per acre being 11.7 bushels and 11.6 bushels respectively.

For hay and clover, a total yield of 11,093,000 tons from 8,777,700 acres is shown, as compared with 13,559,000 tons from 8,811,600 acres in 1932, the average yields per acre being 1.26 tons in 1933 and 1.54 tons in 1932. The total yield from the first cutting of alfalfa is estimated at 1,194,000 tons from 701,600 acres, a yield per acre of 1.70 tons, as compared with 1.79 tons, the average yield per acre from the first cutting in 1932.

CHARTS SHOWING THE CONDITION OF SPRING WHEAT IN THE PRAIRIE PROVINCES AT JUNE 30 AND JULY 31, 1933 AND JULY 31, 1932.

Charts are presented on the last three pages of this report showing the condition of spring wheat in the Prairie Provinces by Crop Districts at the above-mentioned dates. The same patterns are employed for the two 1933 dates, but in making comparisons with the 1932 condition allowance should be made for a slight difference in patterns.

For the fifth successive year, wheat prospects declined during the month of July. Compared with conditions at the end of June, the decline amounted to over 26 per cent, being least in Manitoba (19 per cent) and greatest in Saskatchewan (30 per cent). The decline during July in Alberta was 23 per cent and the condition at July 31 indicates one of the lowest average yields per acre in the history of this province.

Manitoba.-

Excepting Crop Districts 13 and 14 in the extreme north-west of the province (with a very limited wheat area), the entire wheat acreage of Manitoba declined during the month of July. The declines were most severe in the south-west corner and along the southern boundary - in Crop Districts 1, 2 and 3. These three districts contain nearly 60 per cent of the provincial wheat acreage. The four west-central Crop Districts (7, 8, 9 and 10), which contain most of the remaining wheat acreage, declined in condition from 7 to 12 points during the month.

Saskatchewan.-

In every Crop District of Saskatchewan, the condition of the spring wheat crop declined during July. During the month of July, damage due to drought, high temperatures and grasshoppers was greatest in Crop Districts 1, 3, 6 and 7. Crop District 1 in the south-east declined from a condition of 85 at June 30 to 55 at July 31. Grasshopper damage was most prevalent in this area. The Regina-Weyburn District (No. 2) held up much better, falling only from 91 to 78 during the month and therefore has slightly higher promise than at the same date last year. Eastern and northern townships have the best crops in this District. The large south-central District (No. 3), which has over 3½ million acres in wheat, suffered severely from drought and the condition figure fell from 61 to 32 during July. Crop District 4 in the south-west was ravaged by June drought, but during July, depreciated further from 59 to 44. Wheat in Crop District 5 (East-central)

held up surprisingly well during July, benefiting greatly from scattered showers. This is the only important wheat-producing district in the west with near-average prospects, the condition at July 31 being 99. Crop Districts 6 and 7, containing about 4 million acres of wheat, showed great declines in condition due to prolonged heat and drought. Crop District 7 shared with a neighboring district of Alberta the doubtful distinction of having the lowest condition in the West. Crop District 8 in the north-east declined moderately in condition, but Crop District 9 in the north-west fell greatly - from 95 to 72.

Alberta.-

Judged by condition at July 31, the average wheat yield for Alberta will be one of the lowest, if not the lowest, on record for that province. This is mainly due to lack of rain in southern and east-central districts where the wheat acreage is most concentrated. Less than half an average crop is indicated for Crop Districts 1-7 which have 5.1 million acres seeded to wheat. Prospects at July 31 were for below-average crops in the remainder of the province.

During the month of July, depreciation was most marked in Crop Districts 2, 4, 5, 6, 7, 8 and 10. In the north-western and northern districts, higher moisture reserves supported the crops during the dry periods.

Crop Districts 1 and 3 in the south-east declined only slightly because of heavy local showers, which relieved the crops, particularly along the Foremost line. Crop Districts 2, 4 and 5 suffered from extreme drought. Crop District 4 was visited by a heavy frost which caught wheat in the flower or early filling stages, reducing both grade and yield. Crop District 5 fell in condition from 46 to 23 during the month. The northern and western Crop Districts (9-17) show wheat prospects to be about 5 to 19 per cent below average.

Comparing condition figures at the end of July in 1932 and 1933 and allowing for the reduction in acreage, 1933 prospects are over 39 per cent lower. The decline in condition during July 1932 was only 10.7 per cent compared with 26.3 per cent this year.

ACREAGE OF GRAIN CROPS IN THE PRAIRIE PROVINCES.

The estimates of the areas sown to the principal grain crops in the three Prairie Provinces as shown by the annual statistics collected in June last are now available. As compared with 1932, the figures reveal a decrease of 1,218,000 acres or 4.6 per cent for wheat, while oats increased by 412,000 acres or 4.8 per cent. Barley showed a decrease of 3.9 per cent and rye 26 per cent, while the area under flaxseed showed the marked reduction of 47 per cent, or 209,800 acres. The acreages are as follows, with the figures for 1932 within brackets: Three Prairie Provinces - wheat 25,177,000 (26,395,000); oats 8,945,000 (8,533,000); barley 3,032,000 (3,154,100); rye 519,700 (706,200); flaxseed 235,900 (445,700). Manitoba - wheat 2,536,000 (2,651,000); oats 1,504,000 (1,463,500); barley 1,173,000(1,123,300); rye 45,700 (40,600); flaxseed 20,200 (49,300). Saskatchewan - wheat 14,743,000 (15,543,000); oats 4,571,000 (4,364,700); barley 1,228,000 (1,329,500); rye 305,000 (482,500); flaxseed 205,000 (381,200). Alberta - wheat 7,898,000 (8,201,000); oats 2,870,000 (2,704,800); barley 631,000 (701,300); rye 169,000 (183,100); flaxseed 10,700 (15,200).

Areas Sown to the Principal Grain Crops in the Prairie Provinces in 1933, as compared with 1932.

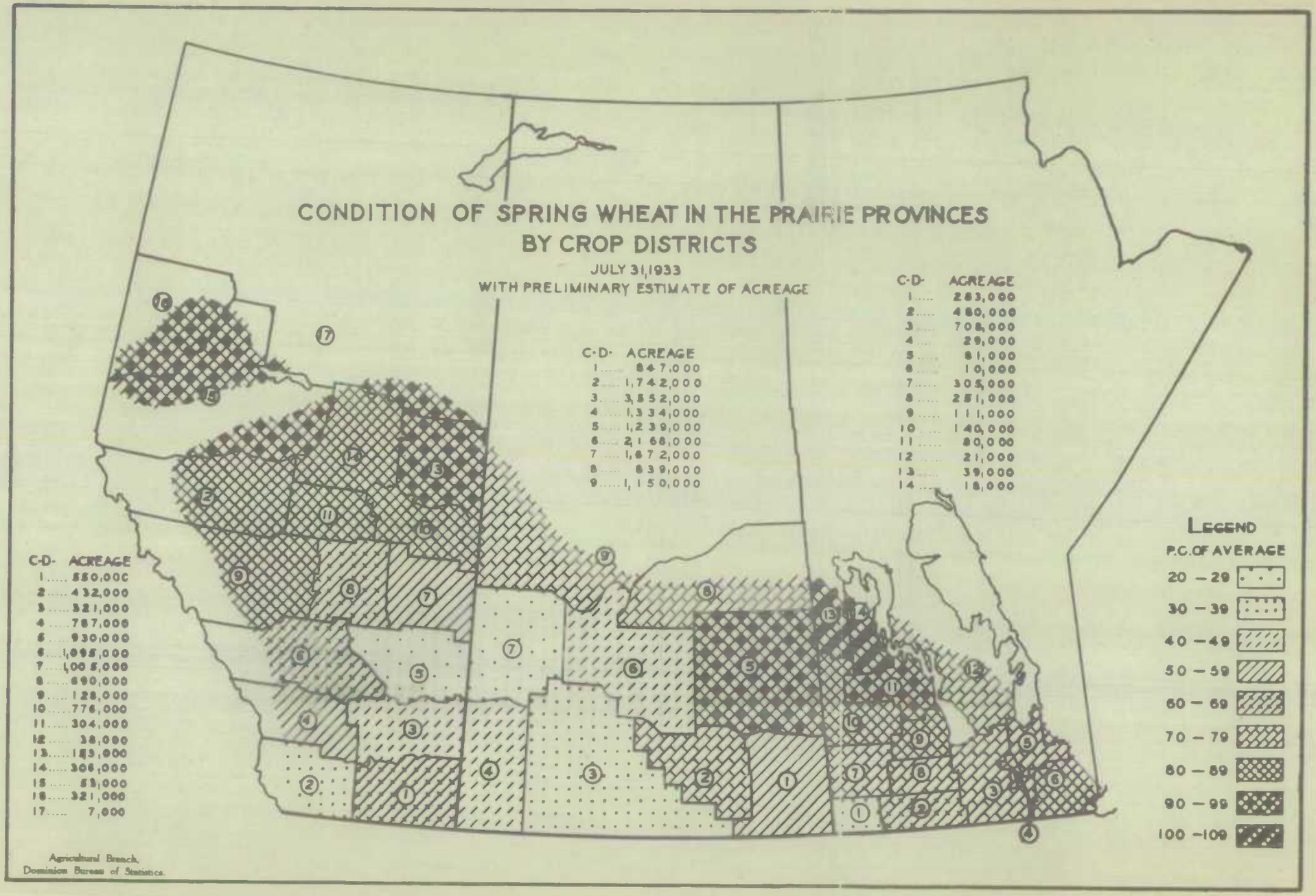
Province		Wheat	Oats	Barley	Rye	Flaxseed
		acres	acres	acres	acres	acres
Manitoba	1932	2,651,000	1,463,500	1,123,300	40,600	49,300
	1933	2,536,000	1,504,000	1,173,000	45,700	20,200
Saskatchewan	1932	15,543,000	4,364,700	1,329,500	482,500	381,200
	1933	14,743,000	4,571,000	1,228,000	305,000	205,000
Alberta	1932	8,201,000	2,704,800	701,300	183,100	15,200
	1933	7,898,000	2,870,000	631,000	169,000	10,700
Total Prairie Provinces	1932	26,395,000	8,533,000	3,154,100	706,200	445,700
	1933	25,177,000	8,945,000	3,032,000	519,700	235,900

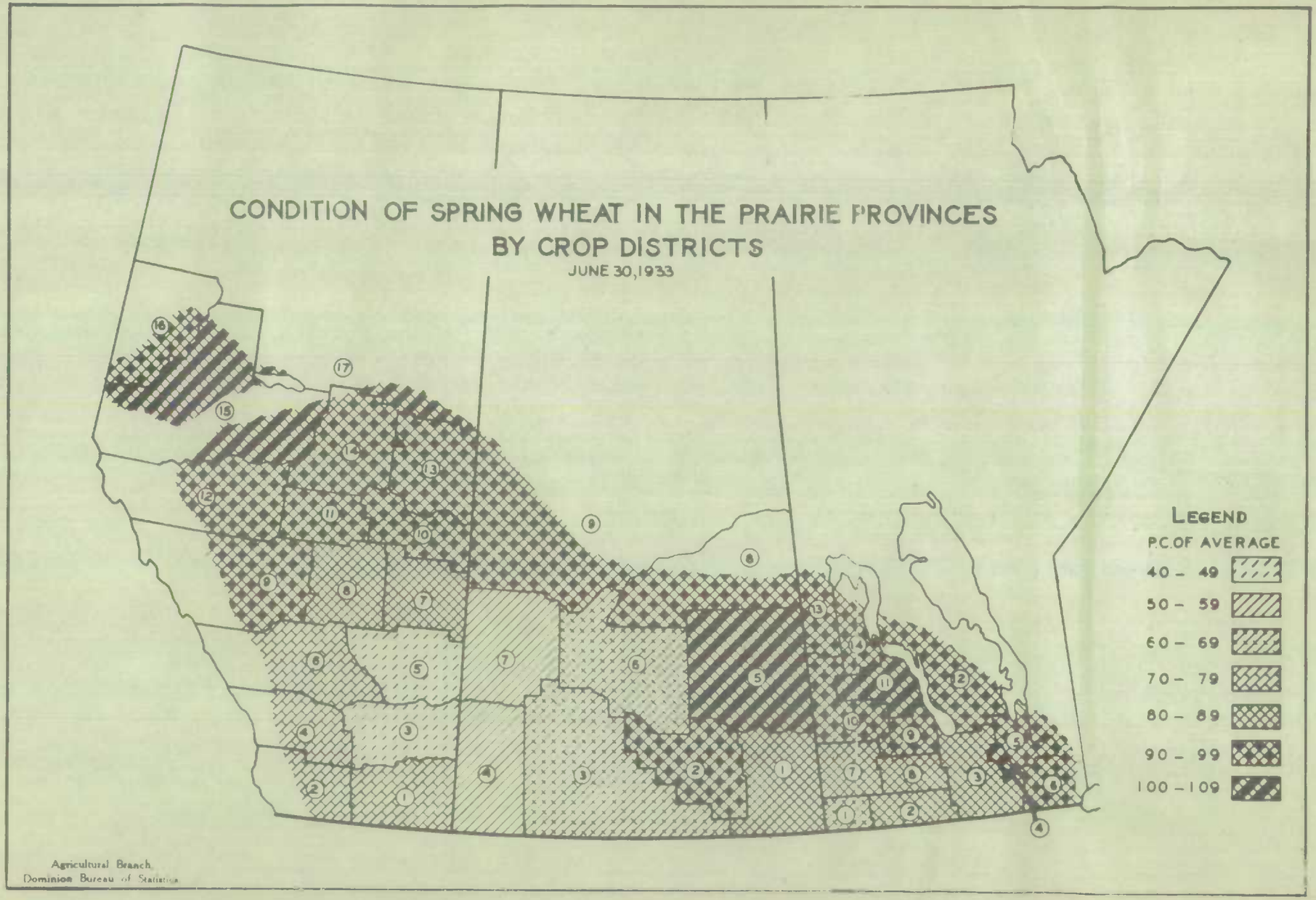
1. Condition of Field Crops at July 31, 1933, compared with May 31 and June 30, 1933 and with July 31, 1932.

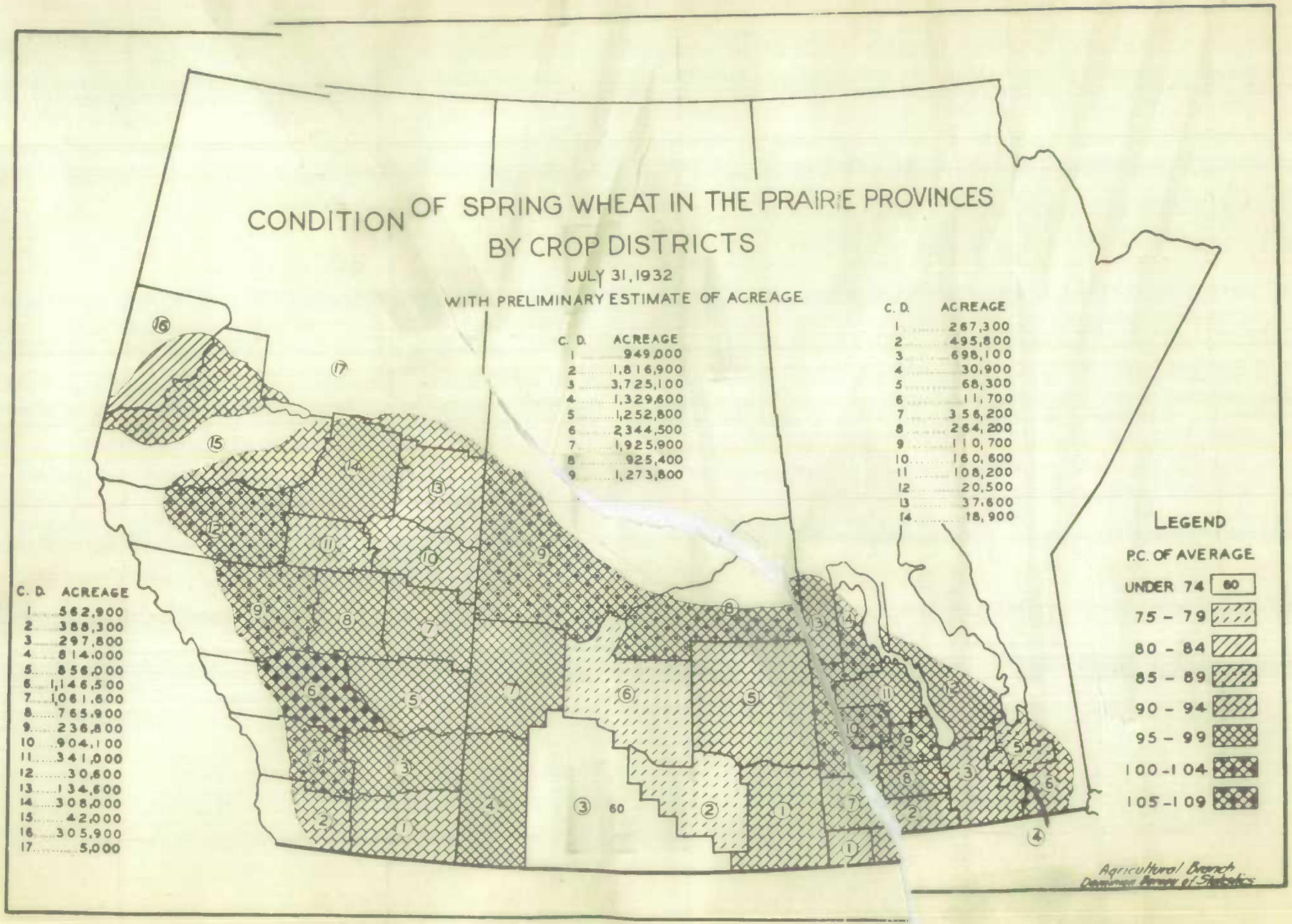
(Note:- 100 = Long-time Average Yield per Acre)

Field Crops	July 31 1932 p.c.	May 31 1933 p.c.	June 30 1933 p.c.	July 31 1933 p.c.
Canada				
Spring wheat	88	99	77	57
Oats	90	95	84	67
Barley	87	95	84	65
Spring rye	91	97	73	55
Peas	91	95	93	82
Beans	92	-	86	75
Buckwheat	97	-	92	82
Mixed grains	95	97	88	76
Flaxseed	79	-	69	43
Corn for husking	90	-	89	78
Potatoes	95	-	95	84
Turnips, etc.	94	-	91	80
Corn, fodder	90	-	89	81
Sugar beets	95	-	94	83
Pasture	93	93	89	77
P. E. Island				
Spring wheat	99	96	97	98
Oats	100	97	97	93
Barley	99	99	97	95
Buckwheat	100	-	94	88
Mixed grains	102	98	98	96
Potatoes	98	-	97	98
Turnips, etc.	100	-	98	94
Fodder corn	92	-	98	94
Pasture	98	91	93	88
Nova Scotia				
Spring wheat	99	98	98	93
Oats	101	97	99	99
Barley	100	98	99	98
Buckwheat	98	-	98	94
Mixed grains	101	96	98	98
Potatoes	99	-	97	97
Turnips, etc.	97	-	96	97
Fodder corn	94	-	98	96
Pasture	98	91	101	95
New Brunswick				
Spring wheat	100	96	95	97
Oats	101	97	96	94
Barley	100	98	95	95
Beans	95	-	95	96
Buckwheat	94	-	93	94
Mixed grains	101	98	96	95
Potatoes	95	-	96	97
Turnips, etc.	99	-	98	96
Fodder corn	93	-	95	93
Pasture	99	89	92	90
Quebec				
Spring wheat	98	91	91	91
Oats	101	92	94	92
Barley	100	92	96	95
Spring rye	98	91	88	96
Peas	98	89	97	95
Beans	95	-	92	92
Buckwheat	96	-	95	93
Mixed grains	100	93	93	93
Flaxseed	96	-	94	91
Potatoes	98	-	97	96
Turnips, etc.	96	-	93	94
Fodder corn	92	-	88	88
Pasture	90	87	84	81

Field Crops	July 31 1932 p.c.	May 31 1933 p.c.	June 30 1933 p.c.	July 31 1933 p.c.
Ontario				
Spring wheat	92	96	89	77
Oats	92	96	87	73
Barley	94	96	87	78
Peas	89	97	91	76
Beans	92	-	86	74
Buckwheat	99	-	89	73
Mixed grains	95	97	88	75
Flaxseed	93	-	90	84
Corn for husking	90	-	89	78
Potatoes	92	-	93	72
Turnips, etc.	92	-	88	70
Fodder corn	90	-	89	80
Sugar beets	94	-	86	84
Pasture	94	97	90	70
Manitoba				
Spring wheat	92	99	85	69
Oats	87	97	85	66
Barley	84	96	83	63
Spring rye	89	96	88	75
Peas	93	100	93	91
Buckwheat	94	-	91	92
Mixed grains	93	97	88	71
Flaxseed	83	-	81	67
Potatoes	94	-	96	74
Turnips, etc.	92	-	94	78
Fodder corn	93	-	98	83
Pasture	88	96	94	69
Saskatchewan				
Spring wheat	83	99	74	52
Oats	83	96	78	55
Barley	83	94	81	61
Spring rye	87	96	72	43
Peas	89	94	94	66
Beans	89	-	90	60
Mixed grains	90	98	79	50
Flaxseed	77	-	67	38
Potatoes	94	-	93	75
Turnips, etc.	94	-	91	68
Fodder corn	85	-	91	76
Pasture	87	98	85	60
Alberta				
Spring wheat	97	98	79	61
Oats	94	95	81	61
Barley	93	94	85	64
Spring rye	98	99	69	59
Peas	91	96	84	86
Beans	85	-	79	85
Mixed grains	92	94	83	64
Flaxseed	90	-	75	52
Potatoes	86	-	89	73
Turnips, etc.	97	-	85	73
Fodder corn	96	-	86	71
Sugar beets	96	-	84	78
Pasture	99	101	85	64
British Columbia				
Spring wheat	92	95	94	95
Oats	94	95	93	94
Barley	93	94	94	93
Spring rye	94	97	93	95
Peas	88	96	100	97
Beans	100	-	97	101
Mixed grains	96	97	94	95
Flaxseed	95	-	92	84
Potatoes	97	-	94	93
Turnips, etc.	96	-	96	95
Fodder corn	97	-	92	91
Pasture	97	93	97	94


CONDITION OF SPRING WHEAT IN THE PRAIRIE PROVINCES
BY CROP DISTRICTS
JULY 31, 1933
WITH PRELIMINARY ESTIMATE OF ACREAGE
C·D· ACREAGE
1 847,000
2 1,742,000
3 3,552,000
4 1,334,000
5 1,239,000
6 2,168,000
7 1,872,000
8 839,000
9 1,150,000
C·D· ACREAGE
1 283,000
2 480,000
3 708,000
4 29,000
5 81,000
6 10,000
7 305,000
8 251,000
9 111,000
10 140,000
11 80,000
12 21,000
13 39,000
14 18,000
C·D· ACREAGE
1 550,000
2 432,000
3 321,000
4 787,000
5 930,000
6 1,095,000
7 1,005,000
8 690,000
9 128,000
10 776,000
11 304,000
12 38,000
13 183,000
14 306,000
15 53,000
16 321,000
17 7,000
LEGEND
P.C. OF AVERAGE
20 – 29
30 – 39
40 – 49
50 – 59
60 – 69
70 – 79
80 – 89
90 – 99
100 – 109
Agricultural Branch,
Dominion Bureau of Statistics.


CONDITION OF SPRING WHEAT IN THE PRAIRIE PROVINCES
BY CROP DISTRICTS
JUNE 30, 1933
LEGEND
P.C. OF AVERAGE
40 - 49
50 - 59
60 - 69
70 - 79
80 - 89
90 - 99
100 - 109
Agricultural Branch
Dominion Bureau of Statistics


CONDITION OF SPRING WHEAT IN THE PRAIRIE PROVINCES
BY CROP DISTRICTS
JULY 31, 1932
WITH PRELIMINARY ESTIMATE OF ACREAGE
C. D. ACREAGE
1 949,000
2 1,816,900
3 3,725,100
4 1,329,600
5 1,252,800
6 2,344,500
7 1,925,900
8 925,400
9 1,273,800
C. D. ACREAGE
1 267,300
2 495,800
3 698,100
4 30,900
5 68,300
6 11,700
7 356,200
8 264,200
9 110,700
10 160,600
11 108,200
12 20,500
13 37,600
14 18,900
C. D. ACREAGE
1 562,900
2 388,300
3 297,800
4 814,000
5 856,000
6 1,146,500
7 1,061,600
8 765,900
9 236,800
10 904,100
11 341,000
12 30,600
13 134,600
14 308,000
15 42,000
16 305,900
17 5,000
LEGEND
P.C. OF AVERAGE
UNDER 74
75 - 79
80 - 84
85 - 89
90 - 94
95 - 99
100 - 104
105 - 109
Agricultural Branch
Dominion Bureau of Statistics