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Acting Chief, Agricultural Branch:

R. H. Coats, LL.D., F.R.S.
C. F. Wilson, Ph.D.

FIELD CROPS OF CANADA

Ottawa, September 10, 1940, 3.p.m. - The Dominion Bureau of Statistics issues today a bulletin reporting for 1940 (1) the first estimate of the production of the principal grain crops and hay and clover and (2) the condition of the late-sown crops. The estimates are based on schedules returned by crop correspondents, including farmers throughout Canada, and bank managers, rural postmasters and railway and elevator agents in the Prairie Provinces. The acreages are from the annual June survey.

SUMMARY

A wheat crop very little smaller than the record production of 1928 is being harvested in Canada this year. The total 1940 wheat crop is estimated at 561,104,000 bushels, of which 534,000,000 bushels were produced in the Prairie Provinces. These estimates are close to the 544,598,000 bushels produced in the Prairie Provinces and 566,726,000 bushels produced in the whole of Canada in 1928, making the 1940 crop readily the second largest in the annals of Canadian wheat production. The 1940 crop is 71,481,000 bushels larger than the third estimate of the 1939 crop, although the final estimate for 1939 will likely be raised in view of the unexpectedly heavy crop marketings which occurred at the end of the crop year. The 1940 crop of 534,000,000 bushels in the Prairie Provinces is distributed as follows: Manitoba 71,000,000; Saskatchewan 260,000,000; and Alberta 203,000,000 bushels. The Manitoba and Alberta wheat crops are the largest yet harvested in those provinces. Included in the Manitoba and Saskatchewan estimates are 7,000,000 and 4,000,000 bushels of Durum wheat, respectively, making a total 1940 Durum production of 11,000,000 bushels. Early deliveries of this year's wheat crop have shown a high percentage of samples grading in the top grades, with unusually good test weights. Scattered areas are experiencing lower grades, however, due to frost damage and rains during harvest.

The oat and barley crops are slightly larger this year than in 1939. Total oat production in 1940 is estimated at 405,095,000 bushels, an increase of 20,688,000 bushels over that of last year. The oat crops in the eastern provinces are very little changed from a year ago. The Manitoba oat crop is the same as in 1939, while the Saskatchewan and British Columbia oat crops are poorer than in 1939. Alberta alone shows an appreciable increase. The total barley crop is estimated at 110,538,000 bushels, showing an increase of 7,391,000 bushels over the 1939 production. Increases in barley production are indicated in the Maritime Provinces, Manitoba, Alberta and British Columbia, with decreases in Ontario and Quebec. Saskatchewan barley production is unchanged from last year. Fall rye is estimated at 10,710,000 bushels and spring rye at 3,883,000 bushels, with the total rye crop of 14,593,000 bushels showing a reduction of 714,000 bushels from last year's production. Flaxseed production, on the other hand, shows a considerable increase resulting both from a larger acreage and a better yield per acre. The 1940 flaxseed crop amounts to 3,490,000 bushels, compared with the 1939 crop of 2,169,000 bushels.

The 1940 hay and clover crop at 13,716,000 tons shows a small increase of 339,000 tons over the 1939 crop. Larger hay and clover crops were harvested this year in Prince Edward Island, Nova Scotia, Quebec, Ontario, Albert and British Columbia, while New Brunswick, Manitoba and Saskatchewan experienced reduced yields.

Among the late-sown crops, potatoes and sugar beets were in somewhat better condition on August 31, than on the same date in 1939. The alfalfa crop and pastures were also in better condition. On the other hand, corn for husking, fodder corn, peas, beans and buckwheat were in poorer condition than on August 31, 1939. Both husking and fodder corn in Ontario have experienced unfavourable weather conditions. While fodder corn in the four western provinces was in better condition this year, the improvement in these provinces was not sufficient to offset declines in the condition of the corn crop in all the eastern provinces.

FIRST ESTIMATE OF THE PRODUCTION OF GRAIN CROPS

The total production of the principal grain crops in Canada in 1940 is now estimated, in bushels, as follows with the 1939 figures within brackets:

Fall wheat 22,880,000 (22,271,000); spring wheat 538,224,000 (467,352,000); all wheat 561,104,000 (489,623,000); oats 405,095,000 (384,407,000); barley 110,538,000 (103,147,000); fall rye 10,710,000 (12,178,000); spring rye 3,883,000 (3,129,000); all rye 14,593,000 (15,307,000); flaxseed 3,490,000 (2,169,000).

The average yields per acre, in bushels, are estimated as follows, with the 1939 averages within brackets: Fall wheat 29.5 (30.3); spring wheat 19.3 (18.0); all wheat 19.5 (18.3); oats 32.9 (30.1); barley 25.5 (23.7); fall rye 13.6 (13.7); spring rye 15.6 (14.8); all rye 14.1 (13.9); flaxseed 8.8 (7.1).

PRODUCTION OF GRAIN CROPS IN THE PRAIRIE PROVINCES

For the three Prairie Provinces the first estimate of the production of grain crops in 1940 is as follows, with the 1939 figures within brackets:

Wheat 534,000,000 (463,000,000); oats 251,500,000 (231,500,000); barley 89,000,000 (81,000,000); rye 12,882,000 (13,700,000); flaxseed 3,240,000 (2,075,000).

By provinces the total yields are: Manitoba - Wheat 71,000,000 (63,000,000); oats 34,500,000 (34,500,000); barley 28,500,000 (28,000,000); rye 2,309,000 (2,000,000); flaxseed 800,000 (525,000). Saskatchewan - Wheat 260,000,000 (250,000,000); oats 103,000,000 (112,000,000); barley 26,000,000 (26,000,000); rye 7,179,000 (9,300,000); flaxseed 1,900,000 (1,200,000). Alberta - Wheat 203,000,000 (150,000,000); oats 114,000,000 (85,000,000); barley 34,500,000 (27,000,000); rye 3,394,000 (2,400,000); flaxseed 540,000 (350,000).

FIRST ESTIMATE OF THE PRODUCTION OF HAY AND CLOVER

The total production of hay and clover in Canada in 1940 is estimated at 13,716,000 tons from 8,915,800 acres, as compared with 13,377,000 tons from 8,836,600 acres in 1939, yields per acre of 1.54 tons and 1.51 tons respectively.

By provinces the total production in tons is as follows, with last year's figures within brackets: Prince Edward Island 332,000 (294,000); Nova Scotia 669,000 (605,000); New Brunswick 801,000 (844,000); Quebec 5,162,000 (4,917,000); Ontario 4,886,000 (4,682,000); Manitoba 610,000 (706,000); Saskatchewan 301,000 (445,000); Alberta 638,000 (569,000); British Columbia 317,000 (315,000).

CONDITION OF LATE-SOWN CROPS

At August 31, 1940, the condition of late-sown crops for all Canada, expressed in percentages of the long-time average yields per acre, is reported as follows with the condition figures for July 31, 1940, and August 31, 1939, within brackets: Peas 91 (93, 92); beans 83 (92, 93); buckwheat 92 (95, 96); mixed grains 97 (97, 96); corn for husking 83 (83, 97); potatoes 92 (95, 90); turnips, etc. 93 (94, 93); alfalfa 97 (-, 91); fodder corn 85 (86, 94); sugar beets 95 (94, 92); pasture 92 (99, 90).

WHEAT PRODUCTION IN THE PRAIRIE PROVINCES

Produced on a record wheat acreage in each of the three Prairie Provinces, the 1940 wheat crop almost equalled the 1928 record in the volume of wheat produced. The 1928 Prairie wheat crop totalled 544,598,000 bushels, exceeding the 1940 crop of 534,000,000 bushels by only 10.6 millions. Manitoba is harvesting a record wheat crop this year at 71,000,000 bushels, exceeding the previously high crop of 69,337,000 bushels in 1915. This year's yield per acre of 20.2 bushels has been exceeded on five previous occasions, including 1915 when the average yield per acre for Manitoba reached 24.8 bushels. In Saskatchewan, this year's wheat yield per acre is estimated at 16.7 bushels per acre, which is lower than last year's yield per acre by 0.9 bushels. The 1939 yield per acre will likely be increased when a final revision of the 1939 estimate is published next January. While the 1940 average yield per acre in Saskatchewan has been frequently exceeded, the record acreage this year has made the 1940 crop of 260,000,000 bushels the third largest in the province's history, exceeded only by the 321,215,000 bushel crop of 1928, and the 271,622,000 bushel crop of 1923. Alberta's wheat yield per acre of 23.4 bushels in 1940 has likewise been exceeded on a number of occasions, the highest being 31.1 bushels in 1915. Alberta's record acreage sown in 1940, however, helped to make this year's crop of 203,000,000 bushels easily the largest Alberta has produced, comparing with the previous record of 171,286,000 bushels established in 1927.

CHARTS SHOWING THE AVERAGE YIELDS PER ACRE OF WHEAT IN THE PRAIRIE PROVINCES BY CROP DISTRICTS, 1940 AND 1939.

The charts shown on the last two pages of this report give the average wheat yields per acre by crop districts for the Prairie Provinces for 1940 with comparisons for 1939.

Manitoba - The 1940 wheat yields by crop districts compared with those of 1939 showed improvement across the south of the province and in the eastern districts including the Portage Plains and Red River areas. Lower average yields by crop districts occurred in the west-central, north-western and inter-lake areas. Crop District 5 north and east of Winnipeg had the highest district yield of 30.4 bushels this year, while Crop District 7 in the west-centre had the poorest average yield of 15.8 bushels per acre. Last year's best yields occurred in the north-western districts, which were not so well favoured as the rest of the province this year.

Saskatchewan - The south-eastern districts 1A, 1B, and 2A showed distinct improvement this year as compared with the very poor yields harvested a year ago. The improvement extended over into Districts 2B, 3AS, 3AN and 3BS and 4B, where somewhat better yields are being harvested this year. On the other hand, Districts 3BN and 4A have some poor areas this year, the former affected by drought and the latter by grasshoppers. Districts 5A, 5B, 6A, 6B, 8A, 8B and 9A also show poorer yields on the average this year than in 1939. Districts 7A and 7B, however, have better yields than a year ago, 28.1 bushels in District 7A being the highest in the province this year. The lowest district yield is reported in 4A at 10.5 bushels, as compared with the lowest district yield of 5.0 bushels in 1A in 1939.

Alberta - Each of the crop districts in Alberta shows a better average yield in 1940 than in 1939, with the exception of District 13, where the average yield is 0.3 bushels lower than a year ago. The highest district yield per acre in 1940 is in District 11 around Edmonton with an average of 30.3 bushels. The poorest average yield this year is in District 1 at 15.1 bushels. This district includes the area that was badly affected by grasshoppers this season.

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1. First Estimate of the Production of Wheat, Oats, Barley, Rye, Flaxseed and Hay and Clover in Canada, 1940 as compared with 1939.

Field Crops	1939	1940	1939	1940	1939	1940
	acres	acres	bush. per acre	bush. per acre	bush.	bush.
<u>CANADA -</u>						
Fall wheat	735,000	775,400	30.3	29.5	22,271,000	22,880,000
Spring wheat	26,021,500	27,950,800	18.0	19.3	467,352,000	538,224,000
All wheat	26,756,500	28,726,200	18.3	19.5	489,623,000	561,104,000
Oats	12,789,900	12,297,600	30.1	32.9	384,407,000	405,095,000
Barley	4,347,400	4,341,500	23.7	25.5	103,147,000	110,538,000
Fall rye	890,800	785,600	13.7	13.6	12,178,000	10,710,000
Spring rye	211,000	249,300	14.8	15.6	3,129,000	3,883,000
All rye	1,101,800	1,034,900	13.9	14.1	15,307,000	14,593,000
Flaxseed	307,100	397,400	7.1	8.8	2,169,000	3,490,000
			tons	tons	tons	tons
Hay and clover	8,836,600	8,915,800	1.51	1.54	13,377,000	13,716,000
<u>PRINCE EDWARD ISLAND -</u>						
Spring wheat	9,700	12,500	17.0	20.0	165,000	250,000
Oats	145,300	142,800	33.5	34.0	4,868,000	4,855,000
Barley	9,000	13,000	28.0	28.5	252,000	371,000
			tons	tons	tons	tons
Hay and clover	226,400	236,900	1.30	1.40	294,000	532,000
<u>NOVA SCOTIA -</u>						
Spring wheat	2,500	2,900	18.0	20.6	45,000	60,000
Oats	91,100	90,700	36.3	37.3	3,325,000	3,383,000
Barley	10,600	12,100	28.0	30.5	297,000	369,000
			tons	tons	tons	tons
Hay and clover	403,500	405,600	1.50	1.55	605,000	669,000
<u>NEW BRUNSWICK -</u>						
Spring wheat	7,800	8,000	18.0	18.7	140,000	150,000
Oats	215,200	209,900	31.0	30.5	6,671,000	6,402,000
Barley	17,000	18,600	27.0	28.3	459,000	526,000
			tons	tons	tons	tons
Hay and clover	562,600	572,400	1.50	1.40	844,000	801,000
<u>QUEBEC -</u>						
Spring wheat	34,400	30,100	16.8	18.0	577,000	542,000
Oats	1,717,000	1,664,200	26.4	27.0	45,293,000	44,933,000
Barley	167,800	159,500	24.2	24.0	4,055,000	3,828,000
Spring rye	6,600	6,200	16.8	16.0	111,000	99,000
Flaxseed	3,100	6,900	10.3	9.0	32,000	62,000
			tons	tons	tons	tons
Hay and clover	3,646,000	3,661,300	1.35	1.41	4,917,000	5,162,000
<u>ONTARIO -</u>						
Fall wheat	735,000	775,400	30.3	29.5	22,271,000	22,880,000
Spring wheat	82,000	69,200	18.9	19.7	1,550,000	1,363,000
All wheat	817,000	844,600	29.2	28.7	23,821,000	24,243,000
Oats	2,274,000	2,254,000	38.1	39.3	86,639,000	88,582,000
Barley	522,000	499,000	31.8	31.8	16,600,000	15,868,000
Fall rye	75,700	81,500	18.2	18.7	1,378,000	1,528,000
Flaxseed	6,200	17,500	9.3	10.5	58,000	184,000
			tons	tons	tons	tons
Hay and clover	2,722,000	2,699,400	1.72	1.61	4,682,000	4,886,000
<u>MANITOBA -</u>						
Spring wheat	3,201,000	3,512,000	19.7	20.2	63,000,000	71,000,000
Oats	1,377,000	1,293,000	25.1	26.7	34,500,000	34,500,000
Barley	1,344,000	1,256,000	20.8	22.7	28,000,000	28,500,000
Fall rye	151,800	132,600	10.5	14.4	1,600,000	1,909,000
Spring rye	26,400	26,700	15.2	15.0	400,000	400,000
All rye	178,200	159,300	11.2	14.5	2,000,000	2,309,000
Flaxseed	70,300	89,500	7.5	8.9	525,000	800,000
			tons	tons	tons	tons
Hay and clover	470,600	525,500	1.50	1.16	706,000	610,000
<u>SASKATCHEWAN -</u>						
Spring wheat	14,233,000	15,571,000	17.6	16.7	250,000,000	260,000,000
Oats	4,144,000	3,880,000	27.0	26.5	112,000,000	103,000,000
Barley	1,149,000	1,251,000	22.6	20.8	26,000,000	26,000,000
Fall rye	536,700	471,300	14.2	11.2	7,600,000	5,279,000
Spring rye	110,300	135,400	15.4	14.0	1,700,000	1,900,000
All rye	647,000	606,700	14.4	11.8	9,300,000	7,179,000
Flaxseed	187,200	232,200	6.4	8.2	1,200,000	1,900,000
			tons	tons	tons	tons
Hay and clover	257,300	257,300	1.73	1.17	445,000	301,000

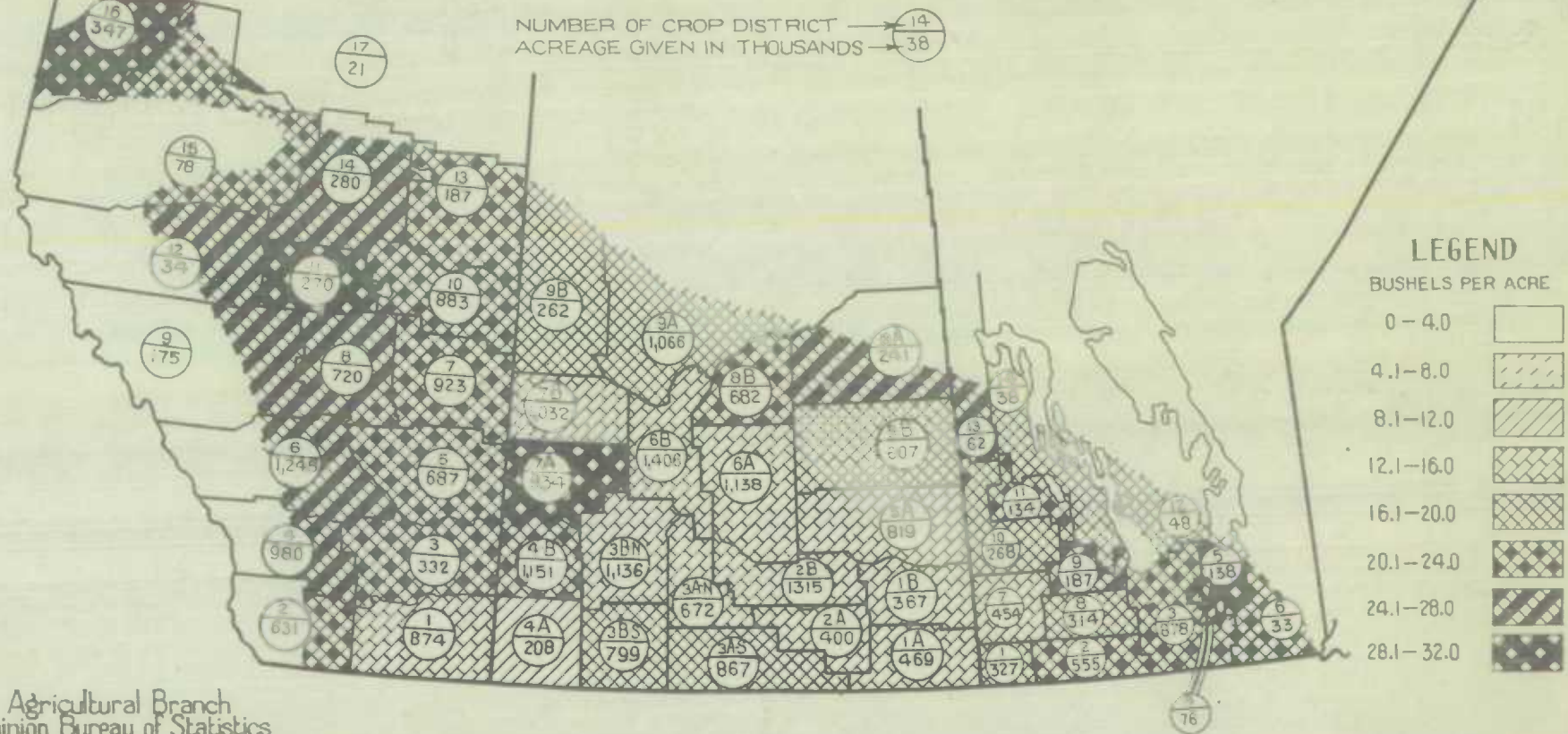
1. First Estimate of Production of Wheat, Oats, Barley, Rye, Flaxseed and Hay and Clover in Canada, 1940 as compared with 1939 - Concluded

Field Crops	1939	1940	1939	1940	1939	1940
	acres	acres	bush.	bush.	bush.	bush.
			per acre	per acre		
<u>ALBERTA -</u>						
Spring wheat	8,379,000	8,667,000	17.9	23.4	150,000,000	203,000,000
Oats	2,706,000	2,645,000	31.4	43.1	85,000,000	114,000,000
Barley	1,114,000	1,115,000	24.2	30.9	27,000,000	34,500,000
Fall rye	126,600	100,200	12.6	19.9	1,600,000	1,994,000
Spring rye	62,300	76,800	12.8	18.2	800,000	1,400,000
All rye	188,900	177,000	12.7	19.2	2,400,000	3,394,000
Flaxseed	40,000	51,000	8.8	10.6	350,000	540,000
			tons	tons	tons	tons
Hay and clover	392,200	398,700	1.45	1.60	569,000	638,000
<u>BRITISH COLUMBIA -</u>						
			bush.	bush.	bush.	bush.
Spring wheat	72,100	78,100	26.0	23.8	1,875,000	1,859,000
Oats	120,300	118,000	50.8	46.1	6,111,000	5,440,000
Barley	14,000	17,300	34.6	33.3	484,000	576,000
Spring rye	5,400	4,200	21.8	20.0	118,000	84,000
Flaxseed	300	300	13.7	12.1	4,000	4,000
			tons	tons	tons	tons
Hay and clover	156,000	158,700	2.02	2.00	315,000	317,000

II. Area and Yield of Wheat, Oats, Barley, Rye and Flaxseed in the Prairie Provinces, 1938 to 1940

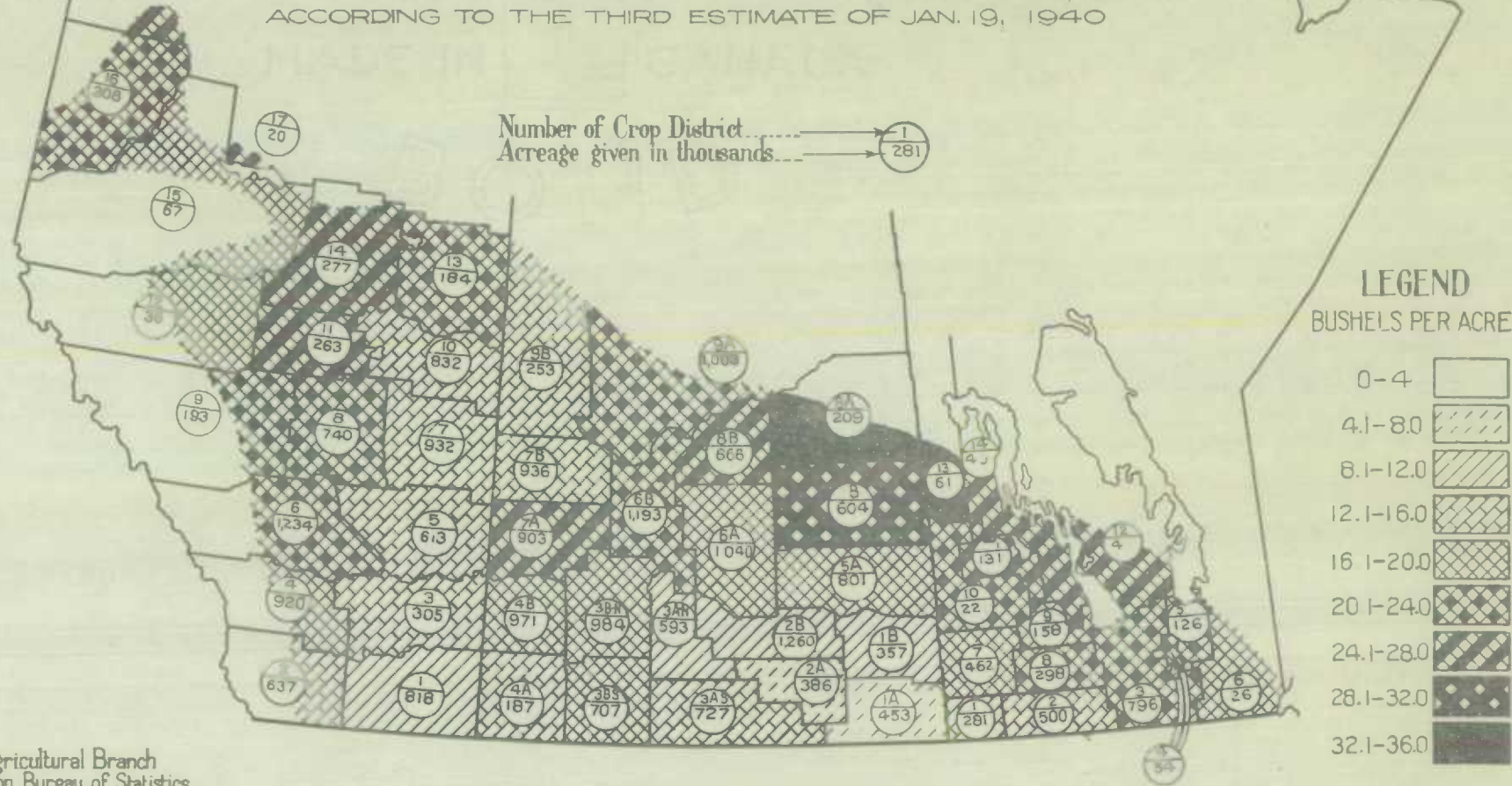
Province and Crop	1938	1939	1940	1938	1939	1940
	acres	acres	acres	bush.	bush.	bush.
<u>PRAIRIE PROVINCES -</u>						
Wheat	24,946,000	25,813,000	27,750,000	336,000,000	463,000,000	534,000,000
Oats	8,518,000	8,227,000	7,818,000	232,000,000	231,500,000	251,500,000
Barley	3,687,000	3,607,000	3,622,000	80,200,000	81,000,000	89,000,000
Rye	655,000	1,014,100	943,000	9,340,000	13,700,000	12,882,000
Flaxseed	201,700	297,500	372,700	1,185,000	2,075,000	3,240,000
<u>MANITOBA -</u>						
Wheat	3,184,000	3,201,000	3,512,000	50,000,000	63,000,000	71,000,000
Oats	1,462,000	1,377,000	1,293,000	41,000,000	34,500,000	34,500,000
Barley	1,355,000	1,344,000	1,356,000	31,000,000	28,000,000	28,500,000
Rye	205,000	178,200	159,300	3,240,000	2,000,000	2,309,000
Flaxseed	42,700	70,300	89,500	300,000	525,000	800,000
<u>SASKATCHEWAN -</u>						
Wheat	13,793,000	14,233,000	15,571,000	137,800,000	250,000,000	260,000,000
Oats	4,171,000	4,144,000	3,880,000	90,000,000	112,000,000	103,000,000
Barley	1,207,000	1,149,000	1,251,000	20,000,000	26,000,000	26,000,000
Rye	292,000	647,000	606,700	3,400,000	9,300,000	7,179,000
Flaxseed	139,000	187,200	232,200	725,000	1,200,000	1,900,000
<u>ALBERTA -</u>						
Wheat	7,969,000	8,379,000	8,667,000	148,200,000	150,000,000	203,000,000
Oats	2,885,000	2,706,000	2,645,000	101,000,000	85,000,000	114,000,000
Barley	1,125,000	1,114,000	1,115,000	29,200,000	27,000,000	34,500,000
Rye	158,000	188,900	177,000	2,700,000	2,400,000	3,394,000
Flaxseed	20,000	40,000	51,000	160,000	350,000	540,000

AVERAGE YIELDS PER ACRE OF WHEAT IN THE PRAIRIE PROVINCES BY CROP DISTRICTS, 1940 ACCORDING TO THE FIRST ESTIMATE OF SEPT. 10, 1940



AVERAGE YIELDS PER ACRE OF WHEAT IN THE PRAIRIE PROVINCES BY CROP DISTRICTS, 1939

ACCORDING TO THE THIRD ESTIMATE OF JAN. 19, 1940



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