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Minister of Trade and CommerceDOMINION BUREAU OF STATISTICS - CANADA
AGRICULTURAL BRANCHDominion Statistician:
Chief, Agricultural Branch:R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)
T. W. Grindley, Ph.D.FIELD CROPS OF CANADA

(Ottawa, November 13, 1935, 4 p.m. - The Dominion Bureau of Statistics issues today the second estimate of grain production in Canada. The report is based upon the returns of our regular corps of crop correspondents, including practical farmers throughout Canada and bank managers and railway and elevator agents in the Prairie Provinces. A special return was also received for this report from a large list of selected agriculturists in addition to those already co-operating as regular crop correspondents, and from rural postmasters in the Prairie Provinces.

The acreages used in making these estimates are, with the exception of British Columbia, compiled from the Annual June Survey.

YIELDS OF THE PRINCIPAL GRAIN CROPS

The total yields of the principal grain crops in Canada are now estimated, in bushels, as follows, with the 1934 figures within brackets: Wheat 273,971,000 (275,849,000); oats 416,369,000 (321,120,000); barley 87,512,000 (63,742,000); rye 10,610,000 (5,423,000); peas 1,581,000 (1,588,000); beans 1,117,000 (813,600); buckwheat 7,972,000 (8,635,000); mixed grains 39,567,000 (37,926,000); flaxseed 1,433,000 (910,400); corn for husking 7,765,000 (6,798,000). The average yields per acre in bushels are as follows, with the averages for 1934 within brackets: Wheat 11.4 (11.5); oats 29.5 (23.4); barley 22.5 (17.6); rye 13.8 (7.4); peas 16.9 (16.7); beans 17.3 (14.3); buckwheat 21.0 (21.2); mixed grains 34.3 (32.7); flaxseed 6.7 (4.0); corn for husking 46.3 (42.2).

COMPARISONS, FIRST AND SECOND ESTIMATES

The 1935 season is similar to that of 1934 in that threshing returns did not fully substantiate the first estimates of grain production made in September. The second estimates of all the principal grain crops are lower than those of September 11. The wheat estimate is reduced from 290,541,000 bushels to 273,971,000 bushels and is now below the 1934 production of 275,849,000 bushels. Oats were lowered nearly 33 million bushels or 7.3 per cent to 416,369,000 bushels, but still remain well above the 1934 production. Most of the reduction was due to frost damage in Saskatchewan and Alberta. The barley estimate is lowered by 7 million bushels to 87,512,000 bushels. Rye and flaxseed are also reduced significantly as threshing returns failed to support the pre-harvest estimates.

In the Maritime Provinces, there is little difference between the September and November estimates, but the general tendency is downward. Similar conditions prevail in Quebec and Ontario. The fall wheat crop of Ontario is now estimated as 12,601,000 bushels compared with the earlier figure of 13,267,000 bushels. In the Prairie Provinces, all the estimates are lowered with the exception of wheat in Manitoba. Oats and barley suffered sharp reductions in Saskatchewan and Alberta. The second estimates in British Columbia are slightly higher than those made on September 11.

PRODUCTION OF LATE CROPS

The 1935 production of peas, beans, buckwheat, mixed grains and corn for husking are estimated for the first time this year. Peas and buckwheat are placed slightly below the 1934 production, principally because of lower acreage. Beans, mixed grains and corn for husking are estimated to have returned larger crops in 1935 compared with 1934. The increase in mixed grains is about 1.6 million bushels and in corn nearly a million bushels.

GRAIN YIELDS OF THE PRAIRIE PROVINCES

For the three Prairie Provinces, the second estimate of the yields of the five principal grain crops is, in bushels, as follows, with the 1934 figures within brackets: Wheat 256,000,000 (263,800,000); oats 263,947,000 (172,040,000); barley 66,115,000 (44,742,000); rye 9,347,000 (4,381,000); flaxseed 1,330,000 (827,000).

By provinces the yields are as follows: Manitoba - Wheat 18,800,000 (37,100,000); oats 32,937,000 (26,752,000); barley 23,533,000 (17,298,000); rye 1,885,000 (1,134,000); flaxseed 157,000 (180,000). Saskatchewan - Wheat 132,000,000 (114,200,000); oats 136,399,000 (64,288,000); barley 23,722,000 (12,403,000); rye 5,218,000 (1,320,000); flaxseed 1,055,000 (542,000). Alberta - Wheat 105,200,000 (112,500,000); oats 94,611,000 (81,000,000); barley 18,860,000 (15,041,000); rye 2,244,000 (1,927,000); flaxseed 118,000 (105,000).

WHEAT PRODUCTION IN THE PRAIRIE PROVINCES.

The second estimate of 1935 wheat production in the Prairie Provinces is 16 million bushels below the first estimate of 272 million bushels made on September 11. Most of the reduction is due to frost damage in northern districts of Alberta and Saskatchewan that was not apparent two months ago. The actual outturn of the crop may still be fairly described as very uncertain, the problems of estimation being much more difficult than usual. The Manitoba estimate is increased by 800,000 bushels to 18,800,000 bushels. The Saskatchewan figure is now 132,000,000 bushels, a reduction of 6 million bushels from the September estimate of 138,000,000 bushels. The Alberta estimate has been lowered by 10.8 million bushels to 105,200,000 bushels and is now below that of 1934.

The acreages used for the two estimates are identical and are based on the June survey schedules returned by 45,394 prairie farmers. The yields per acre are compiled from schedules returned by 6,500 correspondents in the three provinces, with due consideration given to marketing data already available. As threshing progressed, it became evident that the effects of rust were well expressed in the September estimate, but the full damage due to frost was not evident at that time. The reduction now shown is principally due to further recognition of frost damage. Generally speaking, the autumn season of 1935 has provided more favourable weather for threshing than that of 1934, when wet and cold weather was a great hindrance. Some grain remains unthreshed in northern districts of Alberta and Saskatchewan and, as usual, the Alberta estimate is less certain than the others.

Marketings in the Prairie Provinces.

Wheat.- The movement of the 1935 crop to market was considerably later than that of 1934 but about the first of September, the marketings increased perceptibly and in the ninth week of the new crop year, the cumulative total exceeded that of the same period of 1934. This surplus over the corresponding period of 1934 has persisted up to the thirteenth week of the 1935-36 season, ending November 1. In this period, total deliveries and platform loadings of wheat amounted to 146,899,210 bushels compared with 140,427,423 bushels in the same period of 1934. Manitoba has marketed 13,151,561 bushels, Saskatchewan 82,824,250 bushels and Alberta 50,923,399 bushels.

The amount of rusted and frosted wheat that will be used on the farms for seed and feed in 1935-36 is very difficult to estimate as yet. It is already apparent, however, that many farmers in the rust areas of Manitoba and Saskatchewan are selling their 1935 crop and counting upon old wheat or the purchase of better wheat for their 1936 seed. This will mean that a higher percentage of the crop in these areas will be marketed and that the usual deductions for seed from the crop estimate must be lowered. Thus, it seems likely that the percentage of the 1935 crop estimate that actually reaches commercial channels will be somewhat higher than usual. Marketings should approximate the 1934-35 level; thus about two-thirds of the estimated total marketings are now visible.

Coarse Grains.- The country elevator receipts of coarse grains to date have also been slightly above those of the same period of 1934, as shown by the following table:

Country Elevator Receipts of Oats, Barley, Rye and Flaxseed, August 1 to November 1, 1935 and 1934.

	<u>1935</u>	<u>1934</u>
	<u>bushels</u>	
Oats	13,547,063	11,808,848
Barley	8,578,356	9,434,963
Rye	661,966	247,401
Flaxseed	1,615,517	902,797

Platform loadings of coarse grains (not itemized separately) up to October 31, 1935 have been 1,585,255 bushels compared with 2,317,229 bushels in the same period of 1934.

The crop estimates for these grains are considerably above those of 1934. While prices are disappointingly low, farmers in the areas where wheat was a failure have marketed their coarse grains for cash.

Grades of the 1935 Wheat Crop, Prairie Provinces.

Correspondents were asked to estimate the percentages of the 1935 wheat crop falling in four groups of grades, namely (1) No. 1 Hard, Nos. 1 and 2 Northern (2) Nos. 3 and 4 Northern (3) Nos. 5 and 6 and the special grades and (4) Feed. The percentages shown were as follows:

	<u>Manitoba</u>	<u>Saskatchewan</u>	<u>Alberta</u>	<u>Prairie Provinces</u>
	per cent			
(1) No. 1 Hard, Nos. 1 and 2 Northern	2	26	31	26
(2) Nos. 3 and 4 Northern	15	35	20	27
(3) Nos. 5 and 6 and special grades	36	24	26	26
(4) Feed	47	15	23	21
	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>

A conversion into bushels on the basis of the present crop estimate results as follows:

	<u>Manitoba</u>	<u>Saskatchewan</u>	<u>Alberta</u>	<u>Prairie Provinces</u>
	million bushels			
(1) No. 1 Hard, Nos. 1 and 2 Northern	0.4	34.3	32.6	67.3
(2) Nos. 3 and 4 Northern	2.8	46.2	21.0	70.0
(3) Nos. 5 and 6 and special grades	6.8	31.7	27.4	65.9
(4) Feed	8.8	19.8	24.2	52.8
Totals	<u>18.8</u>	<u>132.0</u>	<u>105.2</u>	<u>256.0</u>

When consideration is given to the high grades of wheat marketed in the early season from southern Alberta and south-western Saskatchewan and to the tendency to market the best quality wheat out of the total crop, these figures agree with actual inspection records to date and fairly represent the low quality of the 1935 harvest.

The Manitoba crop is obviously the poorest, with nearly one-half (47 per cent) estimated to be "Feed" and another 36 per cent falling in Nos. 5 and 6 and the special grades. Only 2 per cent is considered to be in the three top grades. The Saskatchewan crop varied tremendously by districts and the effects of rust and frost do not lower the provincial averages so much. However, 15 per cent is placed in the "Feed" class and 24 per cent in Nos. 5 and 6 and the special grades. The wheat in southern and eastern districts of Alberta was almost free from frost and rust damage and Alberta, as a whole, has the greatest percentage of wheat in the top grades. Frost did more damage than expected in the north and the effect on grades is very marked.

PRODUCTION OF OTHER GRAINS IN THE PRAIRIE PROVINCES

Pre-harvest estimates of the production of oats, barley, rye and flaxseed in the Prairie Provinces were not supported by threshing returns. The effects of late frosts in Saskatchewan and Alberta were evidently not fully appreciated when reports were filed at the end of August. The low prices prevailing for oats and barley have also lowered the acreage that could be profitably threshed. The production of oats in the three provinces is now placed at 263,947,000—a reduction of 32,113,000 bushels or nearly 11 per cent from the September estimate. Barley shows a similar reduction and is now estimated at 66,115,000 bushels compared with 73,036,000 bushels two months ago. The estimates of rye production are reduced (sharply) from 12,048,000 bushels on September 11 to 9,347,000 bushels at the present time. Flaxseed production is placed 200,000 bushels lower bringing the present estimate down to 1,330,000 bushels.

I. Second Estimate of the Area and Yield of Field Crops for 1935, as compared with 1934.

Field Crops	1934	1935	1934	1935	1934	1935
	acres	acres	bush. per acre	bush. per acre	bush.	bush.
<u>CANADA</u>						
Fall wheat	425,600	555,100	15.8	22.7	6,724,000	12,601,000
Spring wheat	23,559,400	23,564,100	11.4	11.1	269,125,000	261,370,000
All wheat	23,985,000	24,119,200	11.5	11.4	275,849,000	273,971,000
Oats	13,730,800	14,097,300	23.4	29.5	321,120,000	416,369,000
Barley	3,612,500	3,885,700	17.6	22.5	63,742,000	87,512,000
Fall rye	587,100	623,700	7.3	14.0	4,305,000	8,759,000
Spring rye	147,800	145,400	7.6	12.7	1,118,000	1,851,000
All rye	734,900	769,100	7.4	13.8	5,423,000	10,610,000
Peas	94,960	93,750	16.7	16.9	1,588,000	1,581,000
Beans	56,760	64,610	14.3	17.3	813,600	1,117,000
Buckwheat	407,200	380,100	21.2	21.0	8,635,000	7,972,000
Mixed grains	1,159,200	1,152,100	32.7	34.3	37,926,000	39,567,000
Flaxseed	226,900	214,600	4.0	6.7	910,400	1,433,000
Corn for husking	161,100	167,700	42.2	46.3	6,798,000	7,765,000
<u>P. E. ISLAND</u>						
Spring wheat	25,200	26,000	20.0	16.8	504,000	437,000
Oats	148,100	154,100	36.0	31.0	5,332,000	4,777,000
Barley	3,000	3,700	30.0	25.0	90,000	93,000
Buckwheat	2,000	2,700	27.0	21.4	54,000	58,000
Mixed grains	22,100	23,900	39.0	32.6	862,000	779,000
<u>NOVA SCOTIA</u>						
Spring wheat	3,700	4,200	15.4	20.0	57,000	84,000
Oats	89,400	94,500	32.1	32.8	2,873,000	3,100,000
Barley	7,900	7,700	25.1	28.0	198,000	216,000
Buckwheat	4,200	5,100	20.2	20.2	85,000	103,000
Mixed grains	4,900	5,900	34.1	31.6	167,000	186,000
<u>NEW BRUNSWICK</u>						
Spring wheat	15,600	18,600	20.4	19.3	319,000	359,000
Oats	209,100	215,100	30.6	29.0	6,403,000	6,238,000
Barley	11,300	12,400	27.2	25.6	307,000	317,000
Beans	900	1,100	17.1	17.8	15,000	20,000
Buckwheat	33,000	34,200	21.1	19.4	695,000	663,000
Mixed grains	2,900	3,000	30.3	29.5	88,000	89,000
<u>QUEBEC</u>						
Spring wheat	63,800	62,500	19.5	18.2	1,245,000	1,141,000
Oats	1,679,800	1,674,400	28.7	27.2	48,262,000	45,570,000
Barley	132,600	140,900	25.0	25.2	3,310,000	3,556,000
Spring rye	5,500	6,100	16.5	15.0	91,000	92,000
Peas	19,100	18,600	16.6	15.4	317,000	286,000
Beans	4,400	4,500	15.6	16.6	68,600	75,000
Buckwheat	146,200	147,000	22.8	22.1	3,337,000	3,251,000
Mixed grains	118,600	122,500	28.9	27.4	3,432,000	3,362,000
Flaxseed	2,300	2,500	9.3	10.3	21,400	26,000
<u>ONTARIO</u>						
Fall wheat	425,600	555,100	15.8	22.7	6,724,000	12,601,000
Spring wheat	96,400	98,800	18.7	18.4	1,803,000	1,818,000
All wheat	522,000	653,900	16.3	22.1	8,527,000	14,419,000
Oats	2,390,800	2,376,700	34.1	36.9	81,526,000	87,700,000
Barley	484,900	523,000	30.4	32.2	14,741,000	16,841,000
Fall rye	55,900	59,300	15.5	18.3	866,000	1,085,000
Peas	68,800	68,700	16.8	17.0	1,156,000	1,168,000
Beans	49,400	57,000	14.0	17.2	692,000	980,000
Buckwheat	213,900	186,400	20.5	20.4	4,385,000	3,803,000
Mixed grains	941,400	926,600	34.2	36.5	32,196,000	33,821,000
Flaxseed	5,700	7,400	10.0	9.6	57,000	71,000
Corn for husking	161,100	167,700	42.2	46.3	6,798,000	7,765,000

Field Crops	1934	1935	1934	1935	1934	1935
	acres	acres	bush. per acre	bush. per acre	bush.	bush.
MANITOBA						
Spring wheat	2,533,000	2,587,000	14.6	7.3	37,100,000	18,800,000
Oats	1,458,000	1,434,000	18.3	23.0	26,752,000	32,937,000
Barley	1,125,000	1,121,000	15.4	21.0	17,298,000	23,533,000
Fall rye	76,800	96,000	13.1	18.1	1,006,000	1,741,000
Spring rye	10,600	11,000	12.1	13.1	128,000	144,000
All rye	87,400	107,000	13.0	17.6	1,134,000	1,885,000
Peas	2,000	1,700	11.0	15.2	22,000	26,000
Buckwheat	7,900	4,700	10.0	19.9	79,000	94,000
Mixed grains	23,800	23,100	16.5	18.4	393,000	425,000
Flaxseed	25,600	17,300	7.0	9.1	180,000	157,000
SASKATCHEWAN						
Spring wheat	13,262,000	13,206,000	8.6	10.0	114,200,000	132,000,000
Oats	4,625,000	4,942,000	13.9	27.6	64,288,000	136,399,000
Barley	1,088,000	1,146,000	11.4	20.7	12,403,000	23,722,000
Fall rye	278,000	292,600	2.9	13.9	806,000	4,067,000
Spring rye	68,500	81,600	7.5	14.1	514,000	1,151,000
All rye	346,500	374,200	3.8	13.9	1,320,000	5,218,000
Peas	660	550	6.0	15.0	4,000	8,000
Beans	260	260	4.0	15.0	1,000	4,000
Mixed grains	20,800	23,300	9.1	20.2	189,000	471,000
Flaxseed	174,700	167,500	3.1	6.3	542,000	1,055,000
ALBERTA						
Spring wheat	7,501,000	7,500,000	15.0	14.0	112,500,000	105,200,000
Oats	3,032,000	3,102,000	26.7	30.5	81,000,000	94,611,000
Barley	749,000	920,000	20.1	20.5	15,041,000	18,860,000
Fall rye	176,400	175,800	9.2	10.6	1,627,000	1,866,000
Spring rye	58,700	42,300	5.1	8.9	300,000	378,000
All rye	235,100	218,100	8.2	10.3	1,927,000	2,244,000
Peas	800	700	14.0	15.0	11,000	11,000
Beans	900	850	12.5	16.5	11,000	14,000
Mixed grains	21,000	20,000	22.0	14.8	462,000	296,000
Flaxseed	18,100	19,400	5.8	6.1	105,000	118,000
BRITISH COLUMBIA						
Spring wheat	58,700	61,000	23.8	25.1	1,397,000	1,531,000
Oats	98,600	104,500	47.5	48.2	4,684,000	5,037,000
Barley	10,800	11,000	32.8	34.0	354,000	374,000
Spring rye	4,500	4,400	18.8	19.5	85,000	86,000
Peas	3,600	3,500	21.6	23.4	78,000	82,000
Beans	900	900	28.6	26.3	26,000	24,000
Mixed grains	3,700	3,800	37.1	36.4	137,000	138,000
Flaxseed	500	500	10.7	12.0	5,000	6,000

II. Area and Second Estimate of the Yields of Wheat, Oats, Barley, Rye and Flaxseed, in the Prairie Provinces, 1935, as compared with 1934.

Crops	1934	1935	1934	1935
	acres	acres	bush.	bush.
Wheat	23,296,000	23,293,000	263,800,000	256,000,000
Oats	9,115,000	9,478,000	172,040,000	263,947,000
Barley	2,962,000	3,187,000	44,742,000	66,115,000
Rye	669,000	699,300	4,381,000	9,347,000
Flaxseed	218,400	204,200	827,000	1,330,000

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