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FIELD CROPS OF CANADA

Ottawa, November 12, 1931. 4 p.m. The Dominion Bureau of Statistics issues today the provisional estimates of grain production in Canada. The report is based upon the returns of our regular corps of crop correspondents, including practical farmers throughout Canada, bank managers and railway and elevator agents in the Prairie Provinces and the Alberta Provincial Police. 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 three western Wheat Pools have assisted by permitting their many elevator agents to act as correspondents.

THE USE OF PRELIMINARY CENSUS ACREAGES

The variations between the first and second estimates of production are much wider than usual because of the appearance of preliminary census figures for 1931. The first production estimate was made on September 9 on the basis of estimated acreages mostly from the school card survey taken in June. This provisional estimate is made on the basis of preliminary figures from the decennial census, also taken in June.

The largest variations occur with respect to wheat and oats in Saskatchewan and Alberta, but there are some relatively large changes in the minor crops of other provinces.

Because census acreages are used for 1931 and survey estimates for 1930, the two sets of acreages and production figures are not strictly comparable between the two years.

COMPARISONS, PRELIMINARY AND PROVISIONAL ESTIMATES

In the Maritime Provinces, the provisional estimates now presented are generally lower than the preliminary estimates because the census acreages are lower than those of the June survey. Yields reported per acre are about the same as in the earlier estimates.

In Quebec, despite the fact that yields per acre were usually reported slightly higher in this second estimate, the total production figures are lower due to the lower census acreages.

The most notable change among the Ontario figures is in the production of wheat, which is placed about 5.5 million bushels lower due to the lower yields per acre reported and the lower acreages revealed by the census. The production of other grains such as oats, barley, rye and flaxseed is also revised downward, but to a lesser extent.

Special attention is centered on the Prairie Provinces where grain production is such an important feature of the farm economy. The forecast of wheat production is raised by 32.6 million bushels from 246.4 million to 279 million, mainly because of much larger seeded acreages shown by the census, compared with the estimates used in the September 9 report. The acreage increases of the census over the survey amount to very little in Manitoba, but to 894,047 acres in Saskatchewan and 1,204,895 acres in Alberta. The yield per acre is placed fractionally higher in Manitoba, 0.6 bushels per acre higher in Saskatchewan and 0.6 bushels per acre lower in Alberta. Thus the total production estimates are 1 million bushels higher in Manitoba, 15.7 million bushels higher in Saskatchewan and 15.9 million bushels higher in Alberta. These increases, it should be noted, are largely confined to the northern areas where the crop was late and where the grades were lowered and 'off contract' due to wet harvesting weather. Since the increases are also in the district with the largest numbers of hogs and poultry, the farmers will use considerable of the cheap tough and damp wheat for feed.

Up to October 30, 133.4 million bushels of wheat had been delivered or shipped in the three provinces and the total is approximately 155 million bushels to date. Both Manitoba and Saskatchewan have marketed their wheat briskly and a good percentage of the estimated production of each province is now visible. Manitoba delivered or shipped 16.4 million bushels up to October 30 and Saskatchewan, 67.2

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
WASHINGTON, D. C.

1915

Division of Plant Industry
Office of the Chief of Bureau

WASHINGTON, D. C.

The following report was prepared by the Division of Plant Industry, Bureau of Plant Industry, United States Department of Agriculture, Washington, D. C., for the year ending June 30, 1915.

The report contains a summary of the work of the Division during the year, and a list of the publications issued by the Division during the year.

The work of the Division during the year was devoted to the study of the diseases of plants, and to the development of methods for the control of these diseases.

The following are the publications issued by the Division during the year:

1. The Diseases of Plants, by H. W. Henshaw, Chief of Bureau, and J. H. Henshaw, Assistant Chief of Bureau. This is a general treatise on the diseases of plants, and is intended for the use of the general public.

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million bushels. In Alberta, threshing and marketing were delayed by wet weather, but it is usual for wheat to come forward more slowly in this province. In Alberta also, higher proportions are utilized as feed.

With regard to oats in the Prairie Provinces, the preliminary census acreages are slightly lower than the survey estimates in Manitoba and Saskatchewan, but these are offset by the increases shown by the census in Alberta and by the higher figures for yield per acre reported in all three provinces. Thus the provisional estimate of oat production is a little over 10 million bushels higher than the preliminary.

Manitoba

The production of barley in the Prairie Provinces is placed slightly lower. The yield per acre reported was 13.8 bushels compared with 14.7 bushels in the first estimate. The acreage estimates of the survey and census were fairly close together. Alberta has a provincial average of 28.7 bushels per acre compared with 13.8 in Manitoba and only 11.0 in Saskatchewan, the high Alberta yield being due to the concentration of production in those north-central regions of the province favoured by an excellent late growing season.

The rye estimate for the three provinces is reduced by over a million bushels due to lower acreage estimates in Saskatchewan and reduced yields per acre reported in Manitoba.

The flax estimate is increased fractionally mainly due to the higher acreage used in Saskatchewan.

In British Columbia, the changes in acreage and production are very slight.

YIELDS OF PRINCIPAL GRAIN CROPS

The total yields of the principal grain crops are estimated provisionally in bushels as follows, with the figures for 1930 within brackets: Wheat 298,000,000 (397,872,000); oats 331,243,000 (423,148,000); barley 67,972,000 (135,160,200); rye 5,888,000 (22,018,500); peas 1,751,600 (2,370,600); beans 1,179,900 (1,438,600); buckwheat 6,919,000 (10,903,300); mixed grains 38,540,000 (44,276,000); flaxseed 2,847,000 (4,399,000); corn for husking 5,643,000 (5,826,000). The average yields per acre are, in bushels, as follows, with the averages for 1930 within brackets: Wheat 11.4 (16.0); oats 25.8 (31.9); barley 18.1 (24.3); rye 7.6 (15.2); peas 16.8 (18.3); beans 15.9 (14.6); buckwheat 21.7 (22.2); mixed grains 32.5 (36.9); flaxseed 4.5 (7.6); corn for husking 40.6 (36.1).

GRAIN YIELDS OF THE PRAIRIE PROVINCES

For the three Prairie Provinces, the provisional estimate of the yields of the five principal grain crops is, in bushels, as follows: Wheat 279,000,000 (374,500,000); oats 188,000,000 (254,011,000); barley 51,200,000 (109,495,000); rye 4,750,000 (20,641,000); flaxseed 2,750,000 (4,293,000). By provinces, the yields are as follows: Manitoba, wheat 27,000,000 (44,527,000); oats 26,000,000 (50,562,000); barley 15,400,000 (49,974,000); rye 650,000 (2,052,000); flaxseed 620,000 (1,086,000). Saskatchewan, wheat 117,000,000 (196,322,000); oats 69,000,000 (125,509,000); barley 15,000,000 (40,522,000); rye 2,300,000 (14,875,000); flaxseed 1,970,000 (3,017,000). Alberta, wheat 135,000,000 (132,900,000); oats 93,000,000 (77,940,000); barley 20,800,000 (18,999,000); rye 1,800,000 (3,714,000); flaxseed 160,000 (190,000).

SECRET

1. Provisional Estimate of the Area and Yield of Field Crops for 1930, as compared with 1931.

Field Crops	1930	1931	1930	1931	1930	1931
	Acres	Acres	bush. per acre	bush per acre	Bush.	Bush.
CANADA						
Wheat	24,897,900	26,115,726	16.0	11.4	397,872,000	298,000,000
Oats	13,258,700	12,819,445	31.9	25.8	423,148,000	331,243,000
Barley	5,558,700	3,764,535	24.3	18.1	135,160,200	67,972,000
Rye	1,448,050	778,024	15.2	7.6	22,018,500	5,888,000
Peas	129,410	104,540	18.3	16.8	2,370,600	1,751,600
Beans	98,680	74,298	14.6	15.9	1,438,600	1,179,900
Buckwheat	490,300	318,648	22.2	21.7	10,903,300	6,919,000
Mixed grains	1,201,400	1,184,290	36.9	32.5	44,276,000	38,540,000
Flaxseed	581,800	627,785	7.6	4.5	4,399,000	2,847,000
Corn, husking	161,400	138,917	36.1	40.6	5,826,000	5,643,000
P. E. ISLAND						
Wheat	26,500	20,291	18.3	19.3	485,000	392,000
Oats	174,700	149,059	32.7	32.2	5,712,000	4,800,000
Barley	5,400	3,732	28.0	25.7	151,000	96,000
Peas	280	280	20.0	20.0	5,600	5,600
Buckwheat	2,700	2,400	27.0	28.3	73,000	68,000
Mixed grains	30,600	21,903	37.3	34.2	1,141,000	749,000
NOVA SCOTIA						
Wheat	5,800	2,927	17.9	21.3	104,000	62,000
Oats	115,200	83,728	33.6	34.7	3,867,000	2,905,000
Barley	10,800	7,672	28.7	28.8	309,500	221,000
Rye	200	242	22.5	21.7	4,500	5,000
Peas	800	800	18.8	18.6	15,000	15,000
Beans	2,600	2,500	18.8	16.9	49,000	42,000
Buckwheat	7,600	7,400	24.0	21.4	182,300	158,000
Mixed grains	4,700	3,871	33.2	33.5	156,000	130,000
NEW BRUNSWICK						
Wheat	9,900	7,673	18.8	17.4	186,000	134,000
Oats	223,000	216,516	32.5	29.0	7,246,000	6,279,000
Barley	10,800	9,845	29.7	26.2	320,700	258,000
Rye	350	341	20.0	16.0	7,000	5,000
Peas	1,880	1,860	20.0	17.2	38,000	32,000
Beans	1,860	1,840	19.6	14.2	36,000	26,000
Buckwheat	45,200	41,637	28.6	20.0	1,293,000	833,000
Mixed grains	4,000	1,938	38.6	28.4	154,000	55,000
QUEBEC						
Wheat	58,700	41,575	18.0	19.7	1,050,000	819,000
Oats	1,899,800	1,628,644	26.6	28.1	50,635,000	45,765,000
Barley	156,700	91,545	23.5	25.7	3,678,000	2,353,000
Rye	17,500	5,363	17.7	15.7	309,000	84,000
Peas	38,200	16,100	14.6	15.5	556,000	250,000
Beans	24,100	3,958	17.3	18.9	416,000	75,000
Buckwheat	156,900	86,318	23.2	22.2	3,635,000	1,916,000
Mixed grains	143,700	105,323	26.1	24.9	3,752,000	2,623,000
Flaxseed	5,300	1,884	9.6	10.2	51,000	19,000
Corn, husking	31,400	5,917	21.6	25.4	677,000	150,000
ONTARIO						
Wheat	776,000	625,711	26.1	25.7	20,226,000	16,050,000
Oats	2,469,000	2,343,884	39.5	33.7	97,482,000	78,989,000
Barley	610,000	439,483	34.3	30.8	20,911,000	13,536,000
Rye	53,000	56,398	17.7	17.1	937,000	964,000
Peas	80,000	78,000	19.8	16.8	1,581,000	1,310,000
Beans	68,000	64,000	13.3	15.8	905,000	1,011,000
Buckwheat	275,000	178,093	20.6	21.9	5,676,000	3,900,000
Mixed grains	958,000	999,568	39.2	33.8	37,512,000	33,785,000
Flaxseed	5,200	7,065	9.8	10.6	51,000	75,000
Corn, husking	130,000	133,000	39.6	41.3	5,149,000	5,493,000

	Acres	Acres	bush. per acre	bush. per acre	Bush.	Bush.
<u>MANITOBA</u>						
Wheat	2,470,000	2,577,780	18.3	10.5	45,278,000	27,000,000
Oats	1,590,000	1,495,944	31.8	17.3	50,562,000	26,000,000
Barley	1,991,000	1,112,863	25.1	13.8	49,974,000	15,400,000
Rye	113,000	49,128	18.2	13.2	2,052,000	650,000
Peas	1,300	1,300	17.0	16.0	22,000	21,000
Buckwheat	2,900	2,800	15.1	15.8	44,000	44,000
Mixed grains	14,500	11,324	23.9	20.5	347,000	232,000
Flaxseed	112,000	97,562	9.7	6.4	1,086,000	620,000
<u>SASKATCHEWAN</u>						
Wheat	14,326,000	14,775,047	13.7	7.9	196,322,000	117,000,000
Oats	4,531,000	4,368,735	27.7	15.8	125,509,000	69,000,000
Barley	2,016,000	1,366,092	20.1	11.0	40,522,000	15,000,000
Rye	1,010,000	510,562	14.7	4.5	14,875,000	2,300,000
Peas	1,650	1,300	15.8	6.0	26,000	8,000
Beans	1,020	800	11.5	5.6	12,000	4,500
Mixed grains	23,000	20,165	20.8	14.1	478,000	284,000
Flaxseed	431,000	492,168	7.0	4.0	3,017,000	1,970,000
<u>ALBERTA</u>						
Wheat	7,164,000	7,999,895	18.6	16.9	132,900,000	135,000,000
Oats	2,165,000	2,447,288	36.0	38.0	77,940,000	93,000,000
Barley	748,000	723,772	25.4	28.7	18,999,000	20,800,000
Rye	247,000	152,019	15.0	11.8	3,714,000	1,800,000
Peas	1,300	1,300	16.0	15.0	21,000	20,000
Beans	300	400	12.0	11.0	3,600	4,400
Mixed grains	17,900	17,909	31.3	33.2	560,000	595,000
Flaxseed	28,000	28,831	6.8	5.5	190,000	160,000
<u>BRITISH COLUMBIA</u>						
Wheat	61,000	64,827	21.7	23.8	1,321,000	1,543,000
Oats	91,000	85,647	46.1	52.6	4,195,000	4,505,000
Barley	10,000	9,531	29.5	32.3	295,000	308,000
Rye	7,000	3,971	17.1	20.2	120,000	80,000
Peas	4,000	3,600	26.4	25.1	106,000	90,000
Beans	800	800	21.8	21.0	17,000	17,000
Mixed grains	5,000	2,289	35.2	38.1	176,000	87,000
Flaxseed	300	275	14.0	11.3	4,000	3,000

11. Area and Provisional Estimate of the Yields of Wheat, Oats, Barley, Rye and Flaxseed in the Prairie Provinces, 1931, as compared with 1930.

	1930	1931	1930	1931
	Acres	Acres	Bush.	Bush.
Wheat	23,960,000	25,352,722	374,500,000	279,000,000
Oats	8,286,000	8,311,967	254,011,000	188,000,000
Barley	4,755,000	3,202,727	109,495,000	51,200,000
Rye	1,370,000	711,709	20,641,000	4,750,000
Flaxseed	571,000	618,561	4,293,000	2,750,000



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