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DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Minister of Trade and Commerce

Price: \$4.00 for series of 20 Crop Reports

Crop Reporting Series - No. 17

AUGUST FORECAST OF PRODUCTION OF PRINCIPAL FIELD CROPS, CANADA, 1966

On the basis of yields indicated at August 15, production of the five major grains this year with 1965 totals and the ten-year 1955-64 averages, respectively, in brackets, in millions of bushels is forecast as follows: all wheat, 799.8 (648.9, 501.9); oats for grain, 386.1 (415.0, 386.0); barley, 282.2 (214.6, 204.9); all rye, 15.0 (16.7, 10.1); and flaxseed, 24.0 (29.3, 20.7). The outturn of rapeseed is forecast at 24.9 million bushels compared with 22.6 million in 1965 and the ten-year (1955-64) average of 7.7 million bushels.

Record production of certain Canadian field crops is in prospect for 1966. Forecast production of wheat at 800 million bushels is an all time high for this crop and exceeds the previous record of 723 million bushels established in 1963. This forecast exceeds the 1955-64 average of 502 million by 298 million bushels or 59 per cent. Record crops in Saskatchewan and Alberta contributed to the new high with the Saskatchewan crop alone forecast at 511 million bushels exceeding the recent 10-year all-Canada average. The forecast yield per acre of 26.4 bushels is slightly below the previous high of 26.8 bushels per acre recorded in 1952 but is larger than the ten-year average of 20.2 bushels by 31 per cent. The area seeded to wheat in Canada in 1966 at 30.3 million acres is a record exceeding the previous high of 29.7 million seeded in 1964 and also exceeding the 1955-64 average of 24.8 million acres by 22 per cent. Rapeseed production, forecast at 24.9 million bushels also established a new record by exceeding the 1965 previous high of 22.6 million bushels. The forecast production of barley at 282.2 million bushels is next-to-the record crop of 291.6 million bushels reached in 1952. The forecast yield per acre of barley at 39.1 bushels, however, is a new high and is above the previous record of 37.2 bushels obtained in 1942. A new record is forecast for tame hay production at 24.4 million tons, just above the record 23.0 million tons produced in 1963.

Realization of the 1966 yield and production forecasts in this report is dependent on the existence of satisfactory weather conditions throughout the remainder of the growing and harvesting season. Soil moisture reserves throughout the Prairie Provinces were generally good at seeding time. This was followed by a period of relatively dry weather until the third week in June. From this time to the end of the growing season, and during the period when moisture requirements are heaviest, rainfall was adequate in most areas. However, the dry weather persisted much longer in the Peace River area and parts of northeastern Alberta. In contrast,

Prepared in the Crops Section, Agriculture Division

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parts of Manitoba, especially sections of the Red River Valley, suffered from flooded fields and excess moisture. Although wheat leaf rust was fairly widespread towards the end of the growing season, the bulk of the crop matured before serious losses resulted from this source. At the present only a small proportion of the wheat, but a considerably larger percentage of the coarse grains have been threshed. However with the main exception of some areas in the northern half of Alberta, swathing and combining are now general, weather permitting.

Growing conditions were quite variable in Eastern Canada. Spring temperatures were low in Ontario which delayed crop development and rather severe mid-summer drought reduced yields of spring-sown early maturing crops such as oats and mixed grains. Winter wheat matured before the effects of the dry weather became serious and record yields were obtained. Late-summer rains are expected to improve crops, such as corn, which are not yet mature. With the exception of portions of Western Quebec, growing conditions in the remainder of Eastern Canada were generally satisfactory. The weather was cool in British Columbia throughout much of the growing season and this delayed crop development. However, warmer weather in August speeded maturity and generally good crops are being taken off.

Forecasts of average yields per seeded acre in this report are based on returns from the Dominion Bureau of Statistics' corps of crop correspondents, reporting on conditions on or about August 15, and on information supplied by officials responsible for agricultural statistics in the provinces. All yields are reported on a field-run basis and no allowance is made for dockage which varies from year to year and for different crops. Estimates of acreages seeded to the various crops are those published in the Bureau's August 5 crop report with the exception of oats in the Prairie Provinces. This report contains estimates of area of oats to be harvested for grain.

WHEAT Canada's 1966 wheat crop, currently forecast at 799.8 million bushels is 23 per cent larger than last year's 648.9 million, and 59 per cent above the ten-year (1955-64) average of 501.9 million. Average yields increased from 22.9 bushels in 1965 to 26.4 bushels per acre this year, and are well above the 1955-64 average of 20.2 bushels per acre.

The 1966 crop of spring wheat, forecast at 783.3 million bushels is being harvested from a seeded area of 29.9 million acres and yielding an indicated 26.2 bushels per acre. The 1965 spring wheat crop of 635.6 million bushels was produced on 27.9 million acres and yielded an average of 22.8 bushels per acre. The 1966 yield for Ontario's winter wheat crop is placed at a record 44.8 bushels per acre as compared with 36.9 bushels in 1965. A 2 per cent increase in harvested acreage and a 21 per cent increase in yields, increased the production to 16.6 million bushels in 1966 compared with 13.4 million in 1965.

In the Prairie Provinces, the 1966 wheat crop is forecast at 779.0 million bushels, some 23 per cent above last year's crop of 632.0 million, and 62 per cent above the ten-year (1955-64) average of 480.6 million. The forecasted average yield per seeded acre in the Prairie Provinces, on the basis of conditions at August 15, is 26.2 bushels per acre, with the Manitoba average 24.1; Saskatchewan 25.9 and Alberta 27.9 bushels per acre. Production in each of these provinces in millions of bushels, with last year's estimate in brackets, is as follows: Manitoba, 84.0 (79.0); Saskatchewan, 511.0 (400.0); and Alberta, 184.0 (153.0). Relatively small amounts of winter wheat are included in these forecasts for the Prairie Provinces.

Durum wheat The indicated production of durum wheat, which is included in the above forecast of spring wheat is 28.9 million bushels compared with last year's estimate of 16.9 million. Forecasts of 1966 production in each of the Prairie Provinces in millions of bushels, with last year's estimates in brackets are: Manitoba, 1.3 (0.9); Saskatchewan, 24.6 (14.0); and Alberta, 3.0 (2.0). The acreage seeded to this crop was 35 per cent larger than in 1965. Yields per acre in 1966 with 1965 figures in brackets are: Manitoba, 21.7 (22.5); Saskatchewan, 25.2 (19.3); Alberta, 30.0 (26.7) and the Prairie Provinces 25.5 (20.1).

OATS FOR GRAIN Production of oats in 1966 forecast at 386.1 million bushels, represents a decrease of 7 per cent from last year's total of 415.0 million and a slight increase over the ten-year (1955-64) average of 386.0 million. The average yield for the 1966 Canada oat crop is estimated at 47.0 bushels per acre compared with last year's record 47.9 bushels.

Production of oats in the Prairie Provinces is currently forecast at 251.0 million bushels in 1966 compared with 272.0 million last year and the ten-year (1955-64) average of 238.6 million. This year's crop in Manitoba, Saskatchewan and Alberta is forecast at 65.0 million, 89.0 million and 97.0 million bushels, respectively. Indicated average yields for the Prairie Provinces are 47.0 bushels per acre as against 48.2 bushels per acre in 1965. The percentages of the total oats acreage harvested or to be harvested for grain in each of the Prairie Provinces with last year's estimates and the 1956-64 average respectively, in brackets, are estimated as follows: Manitoba, 94 (94,86); Saskatchewan, 84 (82,71); Alberta, 82 (83,74); and the Prairie Provinces, 86 (85,76).

BARLEY The 1966 barley crop is forecast at 282.2 million bushels, some 32 per cent higher than last year's 214.6 million and 38 per cent above the ten-year average of 204.9 million bushels. The average yield for the 1966 barley crop is estimated at a record 39.1 bushels per acre compared with 35.5 bushels in 1965.

Barley production in the Prairie Provinces is placed at 268.0 million bushels compared with last year's 202.0 million and the ten-year (1955-64) average of 197.6 million bushels. The barley crop in each of the Prairie Provinces, in millions of bushels, with last year's figures in brackets, is as follows: Manitoba, 27.0 (22.0); Saskatchewan, 89.0 (65.0); and Alberta, 152.0 (115.0).

RYE Production of rye, forecast at 15.0 million bushels is 10 per cent below last year's outturn of 16.7 but above the ten-year (1955-64) average of 10.1 million bushels. Some 13.0 million bushels of this year's crop is fall rye which averaged 24.3 bushels per acre, while the spring rye crop is forecast at 2.0 million bushels, averaging 19.6 bushels per acre. Production of all rye in the Prairie Provinces is placed at 13.4 million bushels of which 3.3 million are in Manitoba, 6.2 in Saskatchewan and 3.9 in Alberta.

OIL SEEDS This year's flaxseed crop, currently forecast at 24.0 million bushels will be some 18 per cent lower than last year's outturn of 29.3 million. Seeded acreage decreased by 11 per cent and average yields at 11.6 bushels per acre are 8 per cent down from 1965. This year's production in the Prairie Provinces is placed at 23.3 million bushels compared with 28.4 million in 1965 and the ten-year (1955-64) average of 20.2 million. Manitoba accounts for 12.2 million bushels of the 1966 crop, while Saskatchewan and Alberta are expected to produce 6.1 and 5.0 million bushels, respectively.

Production of rapeseed is placed at a record 24.9 million bushels in 1966 as compared with 22.6 million bushels produced in 1965. Acreage seeded this year decreased 3 per cent from the 1965 level and average yields at 17.9 bushels per acre are some 14 per cent above last year's average of 15.7 bushels.

MIXED GRAINS Canada's 1966 crop of mixed grains is forecast at 71.7 million bushels compared with last year's record 74.2 million and the ten-year (1955-64) average of 64.9 million bushels. Average yields decreased from 49.3 bushels in 1965 to 45.3 bushels per acre in 1966. Some 37.9 million bushels of this year's total crop were grown in Ontario.

TAME HAY Production of tame hay is forecast at a record 24.4 million tons, 16 per cent above last year's outturn of 21.1 million tons. All provinces except Saskatchewan and Alberta registered increases in hay yields and production this year compared with 1965.

POTATOES The 1966 potato crop on the basis of conditions at August 15, is forecast at 50.3 million cwt., 8 per cent above the 1965 crop of 46.5 million cwt. and 17 per cent above the ten-year (1955-64) average of 42.8 million cwt. The increase in 1966 from last year, results from a 10 per cent increase in acreage which more than offset a one per cent decrease in yields. The expected average yield per acre is currently forecast at 153.4 cwt. as against 155.5 cwt. in 1965. It should be noted that final yields can differ considerably from the early forecast depending on how the potatoes size during the latter part of August and September.

August Forecast of the 1966 Production of Principal Field Crops in Canada, Compared
with Latest Estimates for 1965

Province and crop	Area		Yield per acre		Production	
	1965	1966	1965	1966(1)	1965	1966(1)
	- acres -		- bushels -		- bushels -	
<u>CANADA</u>						
Winter wheat	362,000	370,000	36.9	44.8	13,358,000	16,576,000
Spring wheat(2)	27,920,200	29,928,100	22.8	26.2	635,559,000	783,257,000
All wheat	28,282,200	30,298,100	22.9	26.4	648,917,000	799,833,000
Oats for grain	8,656,000	8,216,000	47.9	47.0	414,957,000	386,149,000
Barley	6,037,600	7,212,900	35.5	39.1	214,555,000	282,242,000
Fall rye	642,500	535,300	23.2	24.3	14,885,000	13,003,000
Spring rye	103,000	100,000	17.6	19.6	1,810,000	1,956,000
All rye	745,500	635,300	22.4	23.5	16,695,000	14,959,000
Flaxseed	2,320,000	2,070,400	12.6	11.6	29,254,000	23,954,000
Mixed grains	1,505,700	1,583,200	49.3	45.3	74,170,000	71,652,000
Rapeseed	1,435,000	1,388,000	15.7(4)	17.9	22,600,000(4)	24,900,000
			- cwt. -		- cwt. -	
Potatoes	298,800	328,100	155.5(4)	153.4	46,472,000(4)	50,331,000
			- tons -		- tons -	
Tame hay	12,690,000	12,964,000	1.66	1.88	21,099,000	24,372,000
			- bushels -		- bushels -	
<u>PRINCE EDWARD ISLAND</u>						
Spring wheat	3,800	3,600	25.4	34.7	97,000	125,000
Oats for grain	89,000	83,000	39.5	54.5	3,519,000	4,523,000
Barley	12,000	13,000	36.1	50.1	433,000	651,000
Mixed grains	47,000	48,000	42.5	58.0	1,998,000	2,784,000
			- cwt. -		- cwt. -	
Potatoes	43,000	50,000	170.7(4)	171.0	7,341,000(4)	8,550,000
			- tons -		- tons -	
Tame hay	181,000	188,000	1.36	1.88	246,000	353,000
			- bushels -		- bushels -	
<u>NOVA SCOTIA</u>						
Spring wheat	1,200	2,000	27.0	40.0	32,000	80,000
Oats for grain	31,000	28,000	41.7	49.6	1,293,000	1,389,000
Barley	2,600	3,900	35.0	45.1	91,000	176,000
Mixed grains	8,100	9,300	41.0	51.5	332,000	479,000
			- cwt. -		- cwt. -	
Potatoes	7,000	8,000	122.5	144.1	858,000	1,153,000
			- tons -		- tons -	
Tame hay	229,000	229,000	1.87	2.30	428,000	527,000
			- bushels -		- bushels -	
<u>NEW BRUNSWICK</u>						
Spring wheat	6,000	7,500	27.8	32.7	167,000	245,000
Oats for grain	86,000	74,000	40.2	48.0	3,461,000	3,552,000
Barley	3,400	4,900	34.5	43.3	117,000	212,000
Mixed grains	8,200	8,100	38.8	46.3	318,000	375,000
			- cwt. -		- cwt. -	
Potatoes	57,000	65,000	197.9(4)	178.0	11,280,000(4)	11,570,000
			- tons -		- tons -	
Tame hay	275,000	274,000	1.50	1.85	412,000	507,000

For footnotes see page 8.

August Forecast of the 1966 Production of Principal Field Crops in Canada, Compared with Latest Estimates for 1965

Province and crop	Area		Yield per acre		Production	
	1965	1966	1965	1966(1)	1965	1966(1)
	- acres -		- bushels -		- bushels -	
QUEBEC						
Spring wheat	12,200	11,000	24.4	27.8	298,000	306,000
Oats for grain	1,165,000	1,098,000	36.0	41.7	41,940,000	45,787,000
Barley	14,600	13,100	36.0	36.7	526,000	481,000
Fall rye	3,000	3,300	23.0	22.5	69,000	74,000
Flaxseed	28,000	19,400	15.7	15.4	440,000	299,000
Mixed grains	92,000	92,300	34.2	39.4	3,146,000	3,637,000
Potatoes	63,500	63,500	- cwt. -	-	- cwt. -	-
Tame hay	3,415,000	3,488,000	114.0	118.5	7,239,000	7,525,000
			- tons -	-	- tons -	-
			1.21	1.92	4,132,000	6,697,000
			- bushels -		- bushels -	
ONTARIO						
Winter wheat	362,000	370,000	36.9	44.8	13,358,000	16,576,000
Spring wheat	14,000	11,000	26.1	27.4	365,000	301,000
All wheat	376,000	381,000	36.5	44.3	13,723,000	16,877,000
Oats for grain	1,580,000	1,525,000	56.8	49.9	89,744,000	76,098,000
Barley	140,000	195,000	49.2	43.7	6,888,000	8,522,000
Fall rye	50,000	47,000	25.5	30.1	1,275,000	1,415,000
Flaxseed	24,000	19,000	15.8	17.1	379,000	325,000
Mixed grains	740,000	750,000	59.7	50.5	44,178,000	37,875,000
Potatoes	56,000	64,000	- cwt. -	-	- cwt. -	-
Tame hay	3,100,000	3,125,000	189.0	180.0	10,584,000	11,520,000
			- tons -	-	- tons -	-
			1.76	2.14	5,456,000	6,688,000
			- bushels -		- bushels -	
MANITOBA						
Spring wheat(2)	3,240,000	3,480,000	24.4	24.1	79,000,000	84,000,000
Oats for grain(3) ...	1,525,000	1,530,000	48.5	42.5	74,000,000	65,000,000
Barley	601,000	830,000	36.6	32.5	22,000,000	27,000,000
Fall rye	148,000	133,000	22.6	24.4	3,340,000	3,244,000
Spring rye	3,000	3,000	20.0	18.7	60,000	56,000
All rye	151,000	136,000	22.5	24.3	3,400,000	3,300,000
Flaxseed	1,350,000	1,220,000	12.0	10.0	16,200,000	12,200,000
Mixed grains	146,000	180,000	41.1	36.1	6,000,000	6,500,000
Rapeseed	145,000	158,000	16.6(4)	16.5	2,400,000(4)	2,600,000
Potatoes	26,500	28,000	- cwt. -	-	- cwt. -	-
Tame hay	1,090,000	1,165,000	117.0	121.0	3,100,000	3,388,000
			- tons -	-	- tons -	-
			1.70	1.89	1,850,000	2,200,000
			- bushels -		- bushels -	
SASKATCHEWAN						
Spring wheat(2)	18,500,000	19,700,000	21.6	25.9	400,000,000	511,000,000
Oats for grain(3) ...	1,920,000	1,790,000	48.8	49.7	94,000,000	89,000,000
Barley	1,750,000	2,200,000	37.1	40.5	65,000,000	89,000,000
Fall rye	263,000	215,000	22.8	22.1	6,000,000	4,750,000
Spring rye	77,000	73,000	16.9	19.9	1,300,000	1,450,000
All rye	340,000	288,000	21.5	21.5	7,300,000	6,200,000
Flaxseed	560,000	475,000	13.0	12.8	7,300,000	6,100,000
Mixed grains	125,000	140,000	40.0	40.7	5,000,000	5,700,000
Rapeseed	555,000	620,000	19.2	19.8	10,700,000	12,300,000

August Forecast of the 1966 Production of Principal Field Crops in Canada, Compared with Latest Estimates for 1965

Province and crop	Area		Yield per acre		Production	
	1965	1966	1965	1966(1)	1965	1966(1)
	- acres -		- cwt. -		- cwt. -	
<u>SASKATCHEWAN</u> - (concl'd.)						
Potatoes	12,300	12,700	78.9	72.8	970,000	925,000
			- tons -		- tons -	
Tame hay	1,112,000	1,170,000	1.87	1.71	2,075,000	2,000,000
			- bushels -		- bushels -	
<u>ALBERTA</u>						
Spring wheat(2)	6,050,000	6,600,000	25.3	27.9	153,000,000	184,000,000
Oats for grain(3)	2,200,000	2,020,000	47.3	48.0	104,000,000	97,000,000
Barley	3,390,000	3,840,000	33.9	39.6	115,000,000	152,000,000
Fall rye	177,000	135,000	23.4	25.6	4,150,000	3,450,000
Spring rye	23,000	24,000	19.6	18.8	450,000	450,000
All rye	200,000	159,000	23.0	24.5	4,600,000	3,900,000
Flaxseed	355,000	334,000	13.8	15.0	4,900,000	5,000,000
Mixed grains	335,000	350,000	38.8	40.0	13,000,000	14,000,000
Rapeseed	735,000	610,000	12.9	16.4	9,500,000	10,000,000
			- cwt. -		- cwt. -	
Potatoes	23,000	26,000	130.4	134.6	3,000,000	3,500,000
			- tons -		- tons -	
Tame hay	2,830,000	2,850,000	1.94	1.51	5,500,000	4,300,000
			- bushels -		- bushels -	
<u>BRITISH COLUMBIA</u>						
Spring wheat	93,000	113,000	28.0	28.3	2,600,000	3,200,000
Oats for grain	60,000	68,000	50.0	55.9	3,000,000	3,800,000
Barley	124,000	113,000	36.3	37.2	4,500,000	4,200,000
Fall rye	1,500	2,000	34.0	35.0	51,000	70,000
Flaxseed	3,000	3,000	11.7	10.0	35,000	30,000
Mixed grains	4,400	5,500	45.0	54.9	198,000	302,000
			- cwt. -		- cwt. -	
Potatoes	10,500	10,900	200.0	201.8	2,100,000	2,200,000
			- tons -		- tons -	
Tame hay	458,000	475,000	2.18	2.32	1,000,000	1,100,000

August Forecast of the 1966 Production of Principal Field Crops in the Prairie Provinces, Compared with Latest Estimates for 1965

Crop	Area		Yield per acre		Production	
	1965	1966	1965	1966(1)	1965	1966(1)
	- acres -		- bushels -		- bushels -	
Wheat(2)	27,790,000	29,780,000	22.7	26.2	632,000,000	779,000,000
Oats(3)	5,645,000	5,340,000	48.2	47.0	272,000,000	251,000,000
Barley	5,741,000	6,870,000	35.2	39.0	202,000,000	268,000,000
Rye	691,000	583,000	22.1	23.0	15,300,000	13,400,000
Flaxseed	2,265,000	2,029,000	12.5	11.5	28,400,000	23,300,000
Rapeseed	1,435,000	1,388,000	15.7(4)	17.9	22,600,000(4)	24,900,000

August Forecast of the 1966 Production of Durum Wheat in the Prairie Provinces
Compared with Latest Estimate for 1965

Province	Area		Yield per acre		Production	
	1965	1966	1965	1966(1)	1965	1966(1)
	- acres -		- bushels -		- bushels -	
Manitoba	40,000	60,000	22.5	21.7	900,000	1,300,000
Saskatchewan	725,000	975,000	19.3(4)	25.2	14,000,000(4)	24,600,000
Alberta	75,000	100,000	26.7	30.0	2,000,000	3,000,000
Total	840,000	1,135,000	20.1(4)	25.5	16,900,000(4)	28,900,000

(1) As indicated on basis of conditions on or about August 15.

(2) Includes durum wheat.

(3) Estimated areas for harvest as oats.

(4) Revised.

SUMMARY OF AUGUST FORECAST OF PRODUCTION

Based on conditions on or about August 15, the production of principal grain crops in Canada in 1966 is forecast, in millions of bushels, as follows, with 1965 totals and 1955-64 averages, respectively, within brackets: winter wheat, 16.6 (13.4, 18.5); spring wheat, 783.3 (635.6, 483.4); all wheat, 799.8 (648.9, 501.9); oats for grain, 386.1 (415.0, 386.0); barley, 282.2 (214.6, 204.9); fall rye, 13.0 (14.9, 8.4); spring rye, 2.0 (1.8, 1.6); all rye, 15.0 (16.7, 10.1); and flaxseed, 24.0 (29.3, 20.7). The average yields per acre, in bushels, are forecast as follows, with 1965 and 1955-64 averages, respectively, within brackets: winter wheat, 44.8 (36.9, 35.4); spring wheat, 26.2 (22.8, 19.9); all wheat, 26.4 (22.9, 20.2); oats for grain, 47.0 (47.9, 40.5); barley, 39.1 (35.5, 28.0); fall rye, 24.3 (23.2, 17.6); spring rye, 19.6 (17.6, 12.9); all rye, 23.5 (22.4, 16.7); and flaxseed, 11.6 (12.6, 9.4).

PRODUCTION OF GRAIN CROPS IN THE PRAIRIE PROVINCES

For the Prairie Provinces the first forecast of grain crops, in millions of bushels, is as follows, with 1965 totals and 1955-64 averages, respectively, within brackets: three provinces - wheat, 779.0 (632.0, 480.6); oats for grain, 251.0 (272.0, 238.6); barley, 268.0 (202.0, 197.6); rye, 13.4 (15.3, 8.3); flaxseed, 23.3 (28.4, 20.2). Manitoba - wheat, 84.0 (79.0, 59.6); oats for grain, 65.0 (74.0, 59.0); barley, 27.0 (22.0, 27.8); rye, 3.3 (3.4, 1.8); flaxseed, 12.2 (16.2, 6.4). Saskatchewan - wheat, 511.0 (400.0, 302.9); oats for grain, 89.0 (94.0, 82.9); barley, 89.0 (65.0, 68.5); rye, 6.2 (7.3, 4.2); flaxseed, 6.1 (7.3, 9.0). Alberta - wheat, 184.0 (153.0, 118.1); oats for grain, 97.0 (104.0, 96.7); barley, 152.0 (115.0, 101.3); rye, 3.9 (4.6, 2.3); flaxseed, 5.0 (4.9, 4.9).