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## AUGUST FORECAST OF PRODUCTION OF PRINCIPAL FIELD CROPS, CANADA, 1960

On the basis of yields indicated at August 15, production of most of Canada's principal field crops in 1960 will be above that of last year. However, apart from oats, flaxseed, rapeseed, mustard seed, potatoes and tame hay, production will be below the ten-year 1950-59 average. Indicated average yields per acre are higher than in 1959 for all crops except mixed grains, mustard seed and rapeseed and are equal to or exceed the 1950-59 average except for mixed grains and tame hay. Production of wheat in 1960 is forecast at 472.5 million bushels compared with 413.5 a year ago while the oats outturn may total 442.3 million compared with 417.9 million in 1959. Barley production, reflecting a decrease in seeded acreage which was not fully offset by higher yields may total 210.7 million bushels compared with 225.6 million a year earlier. The oilseed crops, flaxseed, rapeseed and mustard seed, all show prospects of significant increases in production in 1960 compared with a year ago.

Realization of the 1960 yield and production forecasts included in this report is dependent on the existence of normal weather conditions throughout the remainder of the growing and harvesting season. Although the spring was backward in the Prairies, hot July weather forced crops to maturity and the harvest was well underway by mid-August, particularly in the southern regions. Average progress had been made in other parts of Canada. Warm, dry weather is now required to permit completion of the harvest.

Spring rainfall and the reserve moisture supply over most of the Prairies were adequate this season and the crops got off to an excellent start, with germination strong and even. The main exception was in southeastern Alberta and a small area in southwestern Saskatchewan which experienced persistent drought. Crops advanced well in June and prospects at that time were for bumper outturns. However, the weather turned hot and dry in July and with insufficient moisture to maintain the heavy stand, prospects dropped sharply. Hail losses were heavy in local areas but losses from rust have been negligible to date. Wet weather in parts of southern Ontario delayed plantings and as a result spring grains are later than normal but the growing season has favoured development. Conditions throughout the remainder of Canada have been about average, with some drought, especially in Nova Scotia.

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. Estimates of acreages seeded to the various crops are those published in the Bureau's July 29 crop report. Production forecasts for rapeseed and mustard seed are also included in this report.

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Note: Excluding Newfoundland for which data are not available.

Prepared in the Crops Section, Agriculture Division

## WHEAT

Canada's 1960 wheat crop, currently forecast at 472.5 million bushels will be 14 per cent larger than last year's crop of 413.5 million, but 5 per cent below the ten-year (1950-59) average of 495.1 million. Average yields increased from 17.9 bushels in 1959 to 20.4 bushels per acre this year, practically the same as the 1950-59 average of 20.5 bushels per acre.

The 1960 crop of spring wheat, forecast at 455.1 million bushels is being harvested from a seeded area of 22.7 million acres, yielding an indicated 20.1 bushels per acre. The 1959 spring wheat crop of 401.1 million bushels was produced on 22.6 million acres yielding an average of 17.7 bushels per acre. The 1960 yield for Ontario's winter wheat crop is placed at 33.1 bushels per acre as compared with 29.3 bushels in 1959 and a record 41.2 bushels in 1958. A 24 per cent increase in acreage coupled with a 13 per cent increase in yields raised the production to 17.4 million bushels in 1960 compared with 12.5 million in 1959.

In the Prairie Provinces the 1960 wheat crop is forecast at 453.0 million bushels, 54.0 million bushels or 14 per cent above last year's crop of 399.0 million, but 18.3 million or 4 per cent below the ten-year average of 471.3 million. The indicated average yield per seeded acre in the Prairie Provinces, on the basis of conditions at August 15, is 20.1 bushels per acre with Manitoba averaging 22.2, Saskatchewan 19.6 and Alberta 20.4 bushels per acre. Production in each of these provinces in millions of bushels, with last year's estimate in brackets, is as follows: Manitoba, 59.0 (60.0); Saskatchewan, 291.0 (232.0); and Alberta, 103.0 (107.0). 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 15.9 million bushels compared with last year's estimate of 14.7 million. Forecasts of 1960 production in each of the Prairie Provinces in millions of bushels, with last year's estimates in brackets are: Manitoba, 1.1 (1.5); Saskatchewan, 14.0 (12.4); and Alberta, 0.8 (0.8).

The increase in production is attributable to a 25 per cent increase in yields per acre which more than offset the 13 per cent decrease in acreage. Yields per acre in 1960, with 1959 figures in brackets are: Manitoba, 20.0 (19.1); Saskatchewan, 18.1 (13.8); Alberta, 15.1 (20.5); and the Prairie Provinces, 18.0 (14.4).

## OATS

Production of oats in 1960 is forecast at 442.3 million bushels, representing an increase of 6 per cent from last year's total of 417.9 million and an increase of 5 per cent from the ten-year average of 421.1 million. The increase in 1960 compared to last year is due to larger yields which more than offset the 2 per cent decrease in acreage. The average yield for the 1960 all Canada oat crop is estimated at 39.7 bushels per acre as against 36.7 bushels in 1959. In all provinces except Ontario and British Columbia yields per acre are expected to be higher in 1960 than a year earlier.

Production of oats in the Prairie Provinces is currently forecast at 301.0 million bushels in 1960 compared with 263.0 million last year and the ten-year (1950-59) average of 284.0 million. This year's crop in Manitoba, Saskatchewan and Alberta is forecast at 66.0 million, 122.0 million and 113.0 million bushels, respectively. Indicated average yields for the Prairie Provinces and for Canada as a whole are 38.0 bushels and 39.7 bushels per acre respectively, as against 33.4 and 36.7 bushels per acre in 1959.

## BARLEY

The 1960 barley crop is forecast at 210.7 million bushels, some 7 per cent lower than last year's 225.6 million and 10 per cent below the ten-year average of 234.8 million bushels. The decrease in production this year is due to an 11 per cent decrease in acreage which was only partially offset by a 5 per cent increase in yields.



Barley production in the Prairie Provinces is placed at 205.0 million bushels compared with last year's 219.0 million and the ten-year average of 226.2 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 (35.0); Saskatchewan, 73.0 (74.0); and Alberta, 105.0 (110.0).

RYE Production of rye, forecast at 10.1 million bushels is 23 per cent above last year's outturn of 8.1 million. The crop is 30 per cent below the ten-year average of 14.3 million bushels. Some 8.5 million bushels of this year's crop is fall rye which averaged 19.3 bushels per acre, while the spring rye crop is forecast at 1.6 million bushels, averaging 15.3 bushels per acre. Production of all rye in the Prairie Provinces is placed at 8.0 million bushels of which 1.7 million is in Manitoba, 4.5 million in Saskatchewan and 1.8 million in Alberta.

OIL SEEDS This year's flaxseed crop, currently forecast at 26.1 million bushels will, if realized, be some 48 per cent higher than last year's outturn of 17.7 million. Seeded acreage increased by 31 per cent and average yields at 9.3 bushels per acre are 13 per cent greater than in 1959. This year's production in the Prairie Provinces is placed at 25.9 million bushels compared with 17.5 million in 1959 and the ten-year average of 15.6 million. Saskatchewan accounts for 12.3 million bushels of the 1960 crop, while Manitoba and Alberta outturns are forecast at 6.6 and 7.0 million bushels, respectively.

Production of rapeseed is placed at a record 604.0 million pounds in 1960 compared with 178.0 million pounds the year previous. Acreage seeded to this crop this year increased 254 per cent from the 1959 level but average yields at 799 pounds per acre are some 4 per cent below last year's average of 834 pounds. Production of mustard seed is currently forecast at 77.6 million pounds, some 58 per cent larger than last year's outturn of 49.1 million pounds. Average yields of 499 pounds per acre are some 19 per cent lower than the 1959 average of 613 pounds.

MIXED GRAINS Canada's 1960 crop of mixed grains, grown mainly in eastern Canada, is forecast at 55.8 million bushels compared with last year's 63.8 million and the ten-year average of 65.2 million bushels. Average yields decreased from 42.5 bushels in 1959 to 40.4 bushels per acre in 1960. Yields per acre were higher than a year earlier in all provinces except Ontario and Alberta. Some 30.8 million bushels of this year's total were grown in Ontario where the average yield of 46.0 bushels per acre was well below last year's 50.7 bushels and the record 55.6 bushels per acre produced in 1958.

TAME HAY Production of tame hay is forecast at a record 21.3 million tons, 5 per cent above last year's outturn and 11 per cent above the ten-year average. All the provinces except New Brunswick, Quebec, Manitoba and British Columbia report higher yields per acre this year compared with 1959. All provinces except Nova Scotia, New Brunswick and Quebec registered increases in hay production this year.

POTATOES The 1960 potato crop on the basis of conditions on August 15, is forecast at 39.8 million cwt., 11 per cent above the 1959 crop of 35.8 million cwt. and 3 per cent above the ten-year average of 38.7 million cwt. The increase in 1960 from last year is the result of 4 per cent higher yields and a 7 per cent increase in acreage. The expected average yield per acre is currently placed at 126.9 cwt. per acre as against 121.6 cwt. in 1959. The indicated average yield in all provinces for 1960 is the same or above that of 1959 except for Prince Edward Island, Nova Scotia, New Brunswick and British Columbia. Estimated production is lower this year in Nova Scotia and British Columbia.

### Summary of August Forecast of Production

Based on conditions on or about August 15, the production of principal grain crops in Canada in 1960 is forecast, in millions of bushels, as follows, with 1959 totals and 1950-59 averages, respectively, within brackets: winter wheat, 17.4 (12.5, 21.1); spring wheat, 455.1 (401.1, 474.0); all wheat, 472.5 (413.5, 495.1); oats for grain, 442.3 (417.9, 421.1); barley, 210.7 (225.6, 234.8); fall rye, 8.5 (6.8, 10.3); spring rye, 1.6 (1.3, 4.0); all rye, 10.1 (8.1, 14.3); and flaxseed, 26.1 (17.7, 16.0). The average yields per acre, in bushels, are forecast as follows, with 1959 and 1950-59 averages, respectively, within brackets: winter wheat, 33.1 (29.3, 33.2); spring wheat, 20.1 (17.7, 20.1); all wheat, 20.4 (17.9, 20.5); oats for grain, 39.7 (36.7, 38.1); barley, 28.6 (27.2, 27.6); fall rye, 19.3 (16.8, 17.0); spring rye, 15.3 (12.0, 14.0); all rye, 18.5 (15.8, 16.2); and flaxseed, 9.3 (8.2, 9.1).

### 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 1959 totals and 1950-59 averages, respectively, within brackets: three provinces - wheat 453.0 (399.0, 471.3); oats for grain, 301.0 (263.0, 284.0); barley, 205.0 (219.0, 226.2); rye, 8.0 (6.4, 12.4); flaxseed, 25.9 (17.5, 15.6). Manitoba - wheat, 59.0 (60.0, 50.2); oats for grain, 66.0 (61.0, 59.9); barley, 27.0 (35.0, 48.1); rye, 1.7 (1.7, 1.5); flaxseed, 6.6 (4.6, 4.5). Saskatchewan - wheat, 291.0 (232.0, 292.7); oats for grain, 122.0 (94.0, 116.6); barley, 73.0 (74.0, 79.0); rye, 4.5 (3.0, 7.3); flaxseed, 12.3 (6.3, 7.4). Alberta - wheat, 103.0 (107.0, 128.4); oats for grain, 113.0 (108.0, 107.5); barley, 105.0 (110.0, 99.1); rye, 1.8 (1.7, 3.6); flaxseed, 7.0 (6.6, 3.6).



August Forecast of the 1960 Production of Principal Field Crops in Canada,  
Compared with Latest Estimates for 1959

Province and Crop	Area		Yield per Acre		Production	
	1959	1960	1959	1960 1/	1959	1960 1/
	- acres -		- bushels -		- bushels -	
<u>CANADA</u>						
Winter wheat	425,000	525,000	29.3	33.1	12,464,000	17,378,000
Spring wheat	22,639,900	22,673,200	17.7	20.1	401,056,000	455,135,000
All wheat	23,064,900	23,198,200	17.9	20.4	413,520,000	472,513,000
Oats for grain	11,391,300	11,146,700	36.7	39.7	417,933,000	442,255,000
Barley	8,288,600	7,359,700	27.2	28.6	225,550,000	210,744,000
Fall rye	405,700	442,100	16.8	19.3	6,819,000	8,514,000
Spring rye	110,900	101,000	12.0	15.3	1,330,000	1,550,000
All rye	516,600	543,100	15.8	18.5	8,149,000	10,064,000
Mixed grains	1,500,500	1,380,600	42.5	40.4	63,790,000	55,810,000
Flaxseed	2,150,700	2,817,200	8.2	9.3	17,719,000	26,138,000
			- pounds -		- pounds -	
Rapeseed	213,500	756,000	834	799	178,000,000	604,000,000
			- cwt. -		- cwt. -	
Potatoes	294,100	314,100	121.6	126.9	35,762,000	39,844,000
			- tons -		- tons -	
Tame hay	11,779,000	12,176,000	1.72	1.75	20,246,000	21,289,000
			- bushels -		- bushels -	
<u>PRINCE EDWARD ISLAND</u>						
Spring wheat	3,500	3,000	26.9	27.5	94,000	82,000
Oats for grain	100,000	105,000	44.0	47.0	4,400,000	4,935,000
Barley	800	700	35.0	37.0	28,000	26,000
Mixed grains	50,000	47,000	45.6	48.0	2,280,000	2,256,000
			- cwt. -		- cwt. -	
Potatoes	42,000	45,000	152.7	148.0	6,413,000	6,660,000
			- tons -		- tons -	
Tame hay	206,000	204,000	1.57	1.81	324,000	370,000
			- bushels -		- bushels -	
<u>NOVA SCOTIA</u>						
Spring wheat	600	500	25.0	24.0	15,000	12,000
Oats for grain	39,000	36,000	41.0	43.8	1,600,000	1,575,000
Barley	1,300	900	33.1	35.6	43,000	32,000
Mixed grains	11,400	10,900	39.2	41.3	447,000	450,000
			- cwt. -		- cwt. -	
Potatoes	9,500	9,400	120.4	113.0	1,144,000	1,062,000
			- tons -		- tons -	
Tame hay	308,000	305,000	2.06	2.07	633,000	630,000
			- bushels -		- bushels -	
<u>NEW BRUNSWICK</u>						
Spring wheat	2,300	2,100	27.4	25.2	63,000	53,000
Oats for grain	125,000	118,000	37.0	43.2	4,625,000	5,100,000
Barley	3,600	2,800	33.6	37.5	121,000	105,000
Mixed grains	6,000	5,100	39.5	42.9	237,000	219,000
			- cwt. -		- cwt. -	
Potatoes	44,600	50,000	170.5	165.0	7,604,000	8,250,000
			- tons -		- tons -	
Tame hay	374,000	365,000	1.78	1.60	667,000	584,000

August Forecast of the 1960 Production of Principal Field Crops in Canada,  
Compared with Latest Estimates for 1959

Province and Crop	Area		Yield per Acre		Production	
	1959	1960	1959	1960 1/	1959	1960 1/
<u>QUEBEC</u>	- acres -		- bushels -		- bushels -	
Spring wheat	12,300	10,100	25.7	27.7	316,000	280,000
Oats for grain	1,303,000	1,335,000	35.7	39.8	46,517,000	53,133,000
Barley	20,700	18,800	31.6	34.3	654,000	645,000
Fall rye	7,500	9,100	22.0	20.5	165,000	187,000
Mixed grains	168,000	145,000	35.8	38.9	6,014,000	5,640,000
			- cwt. -		- cwt. -	
Potatoes	82,500	80,800	99.0	107.2	8,168,000	8,662,000
			- tons -		- tons -	
Tame hay	3,508,000	3,547,000	1.71	1.61	5,999,000	5,711,000
			- bushels -		- bushels -	
<u>ONTARIO</u>						
Winter wheat	425,000	525,000	29.3	33.1	12,464,000	17,378,000
Spring wheat	17,300	17,000	23.3	24.0	403,000	408,000
All wheat	442,300	542,000	29.1	32.8	12,867,000	17,786,000
Oats for grain	1,853,000	1,557,000	50.4	46.7	93,391,000	72,712,000
Barley	100,000	87,000	40.7	37.2	4,068,000	3,236,000
Fall rye	73,000	83,000	21.7	22.8	1,583,000	1,892,000
Mixed grains	767,000	670,000	50.7	46.0	38,868,000	30,820,000
Flaxseed	9,000	9,200	12.0	13.5	108,000	124,000
			- cwt. -		- cwt. -	
Potatoes	53,000	61,000	126.5	150.0	6,703,000	9,150,000
			- tons -		- tons -	
Tame hay	3,300,000	3,400,000	2.01	2.09	6,630,000	7,106,000
			- bushels -		- bushels -	
<u>MANITOBA</u>						
Spring wheat	2,594,000	2,659,000	23.1	22.2	60,000,000	59,000,000
Oats for grain	1,729,000	1,831,000	35.3	36.0	61,000,000	66,000,000
Barley	1,349,000	1,071,000	25.9	25.2	35,000,000	27,000,000
Fall rye	75,600	79,000	20.2	20.3	1,530,000	1,600,000
Spring rye	7,400	6,000	17.6	16.7	130,000	100,000
All rye	83,000	85,000	20.0	20.0	1,660,000	1,700,000
Mixed grains	143,000	145,000	30.8	31.7	4,400,000	4,600,000
Flaxseed	575,000	707,000	8.0	9.3	4,600,000	6,600,000
			- pounds -		- pounds -	
Rapeseed	12,000	36,000	750	667	9,000,000	24,000,000
			- cwt. -		- cwt. -	
Potatoes	15,500	17,000	68.5	70.6	1,062,000	1,200,000
			- tons -		- tons -	
Tame hay	797,000	870,000	1.76	1.67	1,400,000	1,450,000
			- bushels -		- bushels -	
<u>SASKATCHEWAN</u>						
Spring wheat	14,803,000	14,871,000	15.7	19.6	232,000,000	291,000,000
Oats for grain	3,303,000	3,352,000	28.5	36.4	94,000,000	122,000,000
Barley	3,148,000	2,635,000	23.5	27.7	74,000,000	73,000,000
Fall rye	175,000	190,000	12.0	17.4	2,100,000	3,300,000
Spring rye	78,600	75,000	11.4	16.0	900,000	1,200,000
All rye	253,600	265,000	11.8	17.0	3,000,000	4,500,000
Mixed grains	80,000	80,000	23.8	28.8	1,900,000	2,300,000
Flaxseed	975,000	1,400,000	6.5	8.8	6,300,000	12,300,000
			- pounds -		- pounds -	
Rapeseed	165,000	550,000	848	818	140,000,000	450,000,000
			- cwt. -		- cwt. -	
Potatoes	17,400	20,000	60.0	60.0	1,044,000	1,200,000
			- tons -		- tons -	
Tame hay	837,000	895,000	1.16	1.56	970,000	1,400,000



August Forecast of the 1960 Production of Principal Field Crops in Canada,  
Compared with Latest Estimates for 1959

Province and Crop	Area		Yield per Acre		Production	
	1959	1960	1959	1960 1/	1959	1960 1/
	- acres -		- bushels -		- bushels -	
<u>ALBERTA</u>						
Spring wheat	5,160,000	5,060,000	20.7	20.4	107,000,000	103,000,000
Oats for grain	2,850,000	2,730,000	37.9	41.4	108,000,000	113,000,000
Barley	3,610,000	3,490,000	30.5	30.1	110,000,000	105,000,000
Fall rye	73,400	80,000	19.1	18.8	1,400,000	1,500,000
Spring rye	24,900	20,000	12.0	12.5	300,000	250,000
All rye	98,300	100,000	17.3	17.5	1,700,000	1,750,000
Mixed grains	272,000	275,000	34.9	34.2	9,500,000	9,400,000
Flaxseed	580,000	690,000	11.4	10.1	6,600,000	7,000,000
			- pounds -		- pounds -	
Rapeseed	36,500	170,000	800	765	29,000,000	130,000,000
			- cwt. -		- cwt. -	
Potatoes	18,800	20,000	80.9	88.0	1,520,000	1,760,000
			- tons -		- tons -	
Tame hay	2,075,000	2,200,000	1.35	1.45	2,800,000	3,200,000
			- bushels -		- bushels -	
<u>BRITISH COLUMBIA</u>						
Spring wheat	46,900	50,500	24.8	25.7	1,165,000	1,300,000
Oats for grain	89,300	82,700	49.3	45.9	4,400,000	3,800,000
Barley	55,200	53,500	29.6	31.8	1,636,000	1,700,000
Fall rye	1,200	1,000	34.2	35.0	41,000	35,000
Mixed grains	3,100	2,600	46.5	48.1	144,000	125,000
Flaxseed	11,700	11,000	9.5	10.4	111,000	114,000
			- cwt. -		- cwt. -	
Potatoes	10,800	10,900	194.8	174.3	2,104,000	1,900,000
			- tons -		- tons -	
Tame hay	374,000	390,000	2.20	2.15	823,000	838,000

August Forecast of the 1960 Production of Principal Field Crops in the  
Prairie Provinces, Compared with Latest Estimates for 1959

Crop	Area		Yield per Acre		Production	
	1959	1960	1959	1960 1/	1959	1960 1/
	- acres -		- bushels -		- bushels -	
Wheat	22,557,000	22,590,000	17.7	20.1	399,000,000	453,000,000
Oats	7,882,000	7,913,000	33.4	38.0	263,000,000	301,000,000
Barley	8,107,000	7,196,000	27.0	28.5	219,000,000	205,000,000
Rye	434,900	450,000	14.6	17.7	6,360,000	7,950,000
Flaxseed	2,130,000	2,797,000	8.2	9.3	17,500,000	25,900,000

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

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