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AUGUST FORECAST OF PRODUCTION OF PRINCIPAL FIELD CROPS, CANADA, 1961

On the basis of yields indicated at August 15, production of the five major grains this year with 1960 totals and the ten-year 1951-60 averages, respectively, in brackets, in millions of bushels is forecast as follows: all wheat, 252.5 (489.6, 497.4); oats for grain, 328.1 (456.1, 426.5); barley, 116.0 (207.0, 238.8); all rye, 6.3 (10.1, 14.0); and flaxseed, 14.6 (23.0, 17.9). The outturn of rapeseed is forecast at 463.7 million pounds compared with 556.0 million in 1960 and the ten-year average of 200.6 million while mustard seed production is forecast at 42.4 million pounds compared with 74.7 million last year and the ten-year average of 53.4 million pounds.

Reflecting the severe drought conditions which prevailed in a large part of the Prairie Provinces since early June, wheat production is expected to be the lowest since 1937 when a crop of only 180.2 million bushels was harvested. The average yield per acre is also among the lowest on record, with only 1937, 1936 and 1919 being lower. A larger proportion of oats is grown in Eastern Canada than wheat and production of oats, while 23 per cent smaller than the recent ten-year average is considerably larger than the 1954 crop of 306 million bushels which was a low for recent years. The barley crop, grown mainly in the Prairie Provinces is the smallest since 1941 when 110 million bushels were produced and the average yield is the lowest since the 1936 crop which averaged 16.2 bushels per acre compared with a forecasted 19.0 bushels for the 1961 crop.

Realization of the 1961 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. By mid-August the harvest was well underway in much of Manitoba, Saskatchewan and southern Alberta and with favourable weather has progressed rapidly since that date, making it one of the earliest harvests on record. Warm, humid unsettled weather over much of Ontario and parts of Quebec has made harvesting of small grains difficult, with lodged grain a problem in some fields. Dry weather during August has been experienced over much of the Maritimes while about average conditions have prevailed in British Columbia.

Although crops got off to a good start in the Prairie Provinces, above normal temperatures began in early June and persisted throughout most of the growing season. This coupled with below normal rainfall caused crop conditions to drop sharply, especially in Saskatchewan and Manitoba. Southeastern Alberta also experienced very poor growing conditions in contrast to the Peace River area and most of northern Alberta where ample rainfall was received. Parts of southern Alberta also received good rains in mid-July. While average yields for Alberta are below normal, the losses from drought are not as severe as those experienced in Saskatchewan and Manitoba. Although yields of wheat in the Prairie Provinces are low this year, the grain, according to preliminary returns, is of excellent quality.

Note: Excluding Newfoundland for which data are not available.

Prepared in the Crops Section, Agriculture Division

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ROGER DUHAMEL, F.R.S.C., Queen's Printer and Controller of Stationery, Ottawa, 1961

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 2 crop report.

WHEAT Canada's 1961 wheat crop, currently forecast at 252.5 million bushels will be 48 per cent smaller than last year's crop of 489.6 million, and 49 per cent below the ten-year (1951-60) average of 497.4 million. Average yields decreased from 21.1 bushels in 1960 to 10.6 bushels per acre this year, as compared with the 1951-60 average of 20.9 bushels per acre.

The 1961 crop of spring wheat, forecast at 233.1 million bushels is being harvested from a seeded area of 23.2 million acres, yielding an indicated 10.0 bushels per acre. The 1960 spring wheat crop of 472.1 million bushels was produced on 22.7 million acres yielding an average of 20.8 bushels per acre. The 1961 yield for Ontario's winter wheat crop is placed at 35.2 bushels per acre as compared with 33.5 bushels in 1960 and a record 41.2 bushels in 1958. A 5 per cent increase in acreage coupled with a 5 per cent increase in yields raised the production to 19.4 million bushels in 1961 compared with 17.6 million in 1960.

In the Prairie Provinces, the 1961 wheat crop is forecast at 231.0 million bushels, some 51 per cent below last year's crop of 470.0 million, and also 51 per cent below the ten-year average of 474.4 million. The forecasted average yield per seeded acre in the Prairie Provinces, on the basis of conditions at August 15, is 10.0 bushels per acre with Manitoba averaging 10.8, Saskatchewan, 8.0 and Alberta, 15.1 bushels per acre. Production in each of these provinces in millions of bushels, with last year's estimate in brackets, is as follows: Manitoba, 30.0 (62.0); Saskatchewan, 121.0 (308.0); and Alberta, 80.0 (100.0). 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 13.8 million bushels compared with last year's estimate of 16.3 million. Forecasts of 1961 production in each of the Prairie Provinces in millions of bushels, with last year's estimates in brackets are: Manitoba, 1.0 (1.1); Saskatchewan, 11.0 (14.5); and Alberta, 1.8 (0.7). Although acreage seeded to this crop was 103 per cent larger than in 1960, this increase was more than offset by a decline in yield between these two years of 58 per cent. Yields per acre in 1961, with 1960 figures in brackets are: Manitoba, 10.0 (20.0); Saskatchewan, 7.4 (18.7); Alberta, 9.1 (13.2); and the Prairie Provinces, 7.7 (18.5).

OATS Production of oats in 1961 is forecast at 328.1 million bushels, representing a decrease of 28 per cent from last year's total of 456.1 million and a decrease of 23 per cent from the ten-year average of 426.5 million. The average yield for the 1961 all Canada oat crop is estimated at 28.3 bushels per acre as against 40.9 bushels in 1960. In all provinces except Ontario and British Columbia yields are expected to be lower in 1961 than a year earlier.

Production of oats in the Prairie Provinces is currently forecast at 175.0 million bushels in 1961 compared with 304.0 million last year and the ten-year (1951-1960) average of 288.9 million. This year's crop in Manitoba, Saskatchewan and Alberta is forecast at 34.0 million, 44.0 million and 97.0 million bushels, respectively. Indicated average yields for the Prairie Provinces and for Canada as a whole are 21.1 bushels and 28.3 bushels per acre respectively, as against 38.4 and 40.9 bushels per acre in 1960.

BARLEY

The 1961 barley crop is forecast at 116.0 million bushels, some 44 per cent lower than last year's 207.0 million and 51 per cent below the ten-year average of 238.8 million bushels.

Barley production in the Prairie Provinces is placed at 110.0 million bushels compared with last year's 201.0 million and the ten-year average of 230.6 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, 10.0 (28.0); Saskatchewan, 21.0 (73.0); and Alberta, 79.0 (100.0).

RYE

Production of rye, forecast at 6.3 million bushels is 38 per cent below last year's outturn of 10.1 million. The crop is 55 per cent below the ten-year average of 14.0 million bushels. Some 5.7 million bushels of this year's crop is fall rye which averaged 13.3 bushels per acre, while the spring rye crop is forecast at 0.6 million bushels, averaging 6.8 bushels per acre. Production of all rye in the Prairie Provinces is placed at 4.0 million bushels of which 0.9 million are in Manitoba, 1.6 million in Saskatchewan and 1.5 million in Alberta.

OIL SEEDS

This year's flaxseed crop, currently forecast at 14.6 million bushels will be some 37 per cent lower than last year's outturn of 23.0 million. Seeded acreage decreased by 8 per cent and average yields at 6.2 bushels per acre are 30 per cent smaller than in 1960. This year's production in the Prairie Provinces is placed at 14.3 million bushels compared with 22.7 million in 1960 and the ten-year average of 17.4 million. Saskatchewan accounts for 5.7 million bushels of the 1961 crop, while Manitoba and Alberta each are expected to produce 4.3 million bushels.

Production of rapeseed is placed at 463.7 million pounds in 1961 compared with the record 556.0 million pounds the year previous. Acreage seeded to this crop this year decreased 2 per cent from the 1960 level and average yields at 623 pounds per acre are some 15 per cent below last year's average of 729 pounds. Production of mustard seed is currently forecast at 42.4 million pounds, some 43 per cent smaller than last year's outturn of 74.7 million pounds. Average yields of 299 pounds per acre are some 38 per cent lower than the 1960 average of 479 pounds. Acreage seeded to this crop in 1961 by provinces is Manitoba, 12,000; Saskatchewan, 55,000; and Alberta, 75,000.

MIXED GRAINS

Canada's 1961 crop of mixed grains, grown mainly in eastern Canada, is forecast at 59.4 million bushels compared with last year's 59.7 million and the ten-year average of 64.9 million bushels. Average yields decreased from 43.2 bushels in 1960 to 38.0 bushels per acre in 1961. Yields per acre were the same or lower than a year earlier in all provinces except Ontario. Some 37.1 million bushels of this year's total crop was grown in Ontario where the average yield of 50.5 bushels per acre was slightly above last year's 50.3 bushels, but below the record 55.6 bushels per acre produced in 1958.

POTATOES

The 1961 potato crop on the basis of conditions at August 15, is forecast at 42.6 million cwt., 5 per cent below the 1960 crop of 44.8 million cwt. but 9 per cent above the ten-year average of 38.9 million cwt. The decrease in 1961 from last year results from a 10 per cent decrease in yields which more than offset a 6 per cent increase in acreage. The expected average yield per acre is currently placed at 128.3 cwt. as against 142.5 cwt. in 1960. The indicated average yield and production in all provinces for 1961 is the same or lower than that of 1960 except for Nova Scotia, Ontario and Alberta.

Summary of August Forecast of Production

Based on conditions on or about August 15, the production of principal grain crops in Canada in 1961 is forecast, in millions of bushels, as follows, with 1960 totals and 1951-60 averages, respectively, within brackets: winter wheat, 19.4 (17.6, 20.4); spring wheat, 233.1 (472.1, 477.0); all wheat, 252.5 (489.6, 497.4); oats for grain, 328.1 (456.1, 426.5); barley, 116.0 (207.0, 238.8); fall rye, 5.7 (8.6, 10.3); spring rye, 0.6 (1.6, 3.8); all rye, 6.3 (10.1, 14.0); and flaxseed, 14.6 (23.0, 17.9). The average yields per acre, in bushels, are forecast as follows, with 1960 and 1951-60 averages, respectively, within brackets: winter wheat, 35.2 (33.5, 33.3); spring wheat, 10.0 (20.8, 20.6); all wheat, 10.6 (21.1, 20.9); oats for grain, 28.3 (40.9, 38.6); barley, 19.0 (28.1, 27.9); fall rye, 13.3 (19.4, 17.8); spring rye, 6.8 (15.3, 14.4); all rye, 12.1 (18.6, 17.0); and flaxseed, 6.2 (8.9, 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 1960 totals and 1951-60 averages, respectively, within brackets: three provinces - wheat, 231.0 (470.0, 474.4); oats for grain, 175.0 (304.0, 288.9); barley, 110.0 (201.0, 230.6); rye, 4.0 (8.0, 12.1); flaxseed, 14.3 (22.7, 17.4). Manitoba - wheat, 30.0 (62.0, 51.4); oats for grain, 34.0 (68.0, 60.1); barley, 10.0 (28.0, 45.4); rye, 0.9 (1.7, 1.5); flaxseed, 4.3 (6.4, 4.9). Saskatchewan - wheat, 121.0 (308.0, 296.3); oats for grain, 44.0 (126.0, 118.0); barley, 21.0 (73.0, 81.7); rye, 1.6 (4.5, 7.1); flaxseed, 5.7 (10.8, 8.4). Alberta - wheat, 80.0 (100.0, 126.7); oats for grain, 97.0 (110.0, 110.8); barley, 79.0 (100.0, 103.5); rye, 1.5 (1.8, 3.4); flaxseed, 4.3 (5.6, 4.2).

August Forecast of the 1961 Production of Principal Field Crops in Canada,
Compared with Latest Estimates for 1960

Province and Crop	Area		Yield per Acre		Production	
	1960	1961	1960	1961 1/	1960	1961 1/
	- acres -		- bushels -		- bushels -	
<u>CANADA</u>						
Winter wheat	525,000	550,000	33.5	35.2	17,570,000	19,360,000
Spring wheat 2/	22,673,200	23,242,300	20.8	10.0	472,054,000	233,135,000
All wheat	23,198,200	23,792,300	21.1	10.6	489,624,000	252,495,000
Oats for grain	11,146,700	11,583,400	40.9	28.3	456,134,000	328,133,000
Barley	7,359,700	6,089,900	28.1	19.0	207,036,000	115,995,000
Fall rye	442,100	425,600	19.4	13.3	8,575,000	5,656,000
Spring rye	101,000	94,200	15.3	6.8	1,550,000	643,000
All rye	543,100	519,800	18.6	12.1	10,125,000	6,299,000
Flaxseed	2,577,200	2,362,900	8.9	6.2	23,020,000 3/	14,615,000
Mixed grains	1,380,600	1,562,900	43.2	38.0	59,711,000	59,367,000
			- cwt. -		- cwt. -	
Potatoes	314,100	331,700	142.5	3/128.3	44,760,000 3/	42,569,000
			- pounds -		- pounds -	
Rapeseed	763,000	744,700	729	623	556,000,000 3/	463,700,000
			- tons -		- tons -	
Tame hay	12,176,000	12,316,000	1.79	1.69	21,762,000	20,823,000
<u>PRINCE EDWARD ISLAND</u>						
			- bushels -		- bushels -	
Spring wheat	3,000	2,700	28.0	23.0	84,000	62,000
Oats for grain	105,000	108,000	48.6	38.9	5,100,000	4,200,000
Barley	700	700	40.0	32.9	28,000	23,000
Mixed grains	47,000	45,000	51.1	40.7	2,400,000	1,830,000
			- cwt. -		- cwt. -	
Potatoes	45,000	45,000	160.0	3/117.8	7,200,000 3/	5,300,000
			- tons -		- tons -	
Tame hay	204,000	203,000	1.86	1.85	380,000	375,000
<u>NOVA SCOTIA</u>						
			- bushels -		- bushels -	
Spring wheat	500	500	26.0	26.0	13,000	13,000
Oats for grain	36,000	38,000	47.2	39.5	1,700,000	1,500,000
Barley	900	1,000	37.8	33.0	34,000	33,000
Mixed grains	10,900	11,400	46.8	40.4	510,000	460,000
			- cwt. -		- cwt. -	
Potatoes	9,400	9,900	119.1	121.2	1,120,000	1,200,000
			- tons -		- tons -	
Tame hay	305,000	297,000	2.11	2.09	645,000	621,000
<u>NEW BRUNSWICK</u>						
			- bushels -		- bushels -	
Spring wheat	2,100	1,800	26.2	28.3	55,000	51,000
Oats for grain	118,000	120,000	45.8	39.2	5,400,000	4,700,000
Barley	2,800	2,800	38.2	33.6	107,000	94,000
Mixed grains	5,100	5,200	47.1	40.0	240,000	208,000
			- cwt. -		- cwt. -	
Potatoes	50,000	54,000	174.0	3/161.1	8,700,000 3/	8,700,000
			- tons -		- tons -	
Tame hay	365,000	360,000	1.88	1.70	685,000	612,000

For footnotes see page 7.

August Forecast of the 1961 Production of Principal Field Crops in Canada,
Compared with Latest Estimates for 1960

Province and Crop	Area		Yield per Acre		Production	
	1960	1961	1960	1961 1/	1960	1961 1/
	- acres -		- bushels -		- bushels -	
<u>QUEBEC</u>						
Spring wheat	10,100	8,400	25.1	23.1	254,000	194,000
Oats for grain	1,335,000	1,344,000	43.7	41.2	58,340,000	55,373,000
Barley	18,800	14,500	37.6	34.5	707,000	500,000
Fall rye	9,100	10,100	23.5	21.3	214,000	215,000
Mixed grains	145,000	164,000	42.8	42.8	6,206,000	7,019,000
			- cwt. -		- cwt. -	
Potatoes	80,800	85,300	129.0	117.0	10,423,000	9,980,000
			- tons -		- tons -	
Tame hay	3,547,000	3,458,000	1.61	1.80	5,711,000	6,224,000
			- bushels -		- bushels -	
<u>ONTARIO</u>						
Winter wheat	525,000	550,000	33.5	35.2	17,570,000	19,360,000
Spring wheat	17,000	14,000	23.4	22.5	398,000	315,000
All wheat	542,000	564,000	33.2	34.9	17,968,000	19,675,000
Oats for grain	1,557,000	1,600,000	49.9	52.1	77,694,000	83,360,000
Barley	87,000	84,000	39.8	42.2	3,460,000	3,545,000
Fall rye	83,000	79,000	23.2	26.0	1,926,000	2,054,000
Flaxseed	9,200	11,000	21.0	3/ 15.0	193,000	3/ 165,000
Mixed grains	670,000	735,000	50.3	50.5	33,728,000	37,118,000
			- cwt. -		- cwt. -	
Potatoes	61,000	64,000	175.2	192.0	10,000	12,288,000
			- tons -		- tons -	
Tame hay	3,400,000	3,400,000	2.15	2.40	7,321,000	8,160,000
			- bushels -		- bushels -	
<u>MANITOBA</u>						
Spring wheat 2/	2,659,000	2,765,000	23.3	10.8	62,000,000	30,000,000
Oats for grain	1,831,000	2,013,000	37.1	16.9	68,000,000	34,000,000
Barley	1,071,000	795,000	26.1	12.6	28,000,000	10,000,000
Fall rye	79,000	75,900	20.3	11.1	1,600,000	850,000
Spring rye	6,000	4,000	16.7	8.2	100,000	33,000
All rye	85,000	79,900	20.0	11.1	1,700,000	883,000
Flaxseed	707,000	728,000	9.1	5.9	6,400,000	4,300,000
Mixed grains	145,000	181,000	31.7	14.9	4,600,000	2,700,000
			- cwt. -		- cwt. -	
Potatoes	17,000	21,200	90.0	36.3	1,530,000	770,000
			- pounds -		- pounds -	
Rapeseed	33,000	30,700	722	414	24,000,000	3/ 12,700,000
			- tons -		- tons -	
Tame hay	870,000	922,000	1.72	0.79	1,500,000	730,000
			- bushels -		- bushels -	
<u>SASKATCHEWAN</u>						
Spring wheat 2/	14,871,000	15,093,000	20.7	8.0	308,000,000	121,000,000
Oats for grain	3,352,000	3,434,000	37.6	12.8	126,000,000	44,000,000
Barley	2,635,000	2,034,000	27.7	10.3	73,000,000	21,000,000
Fall rye	190,000	167,000	17.4	7.2	3,300,000	1,200,000
Spring rye	75,000	67,500	16.0	5.9	1,200,000	400,000
All rye	265,000	234,500	17.0	6.8	4,500,000	1,600,000
Flaxseed	1,250,000	1,162,000	8.6	4.9	10,750,000	3/ 5,700,000
Mixed grains	80,000	102,000	28.8	10.8	2,300,000	1,100,000
			- cwt. -		- cwt. -	
Potatoes	20,000	20,000	65.0	27.6	1,300,000	551,000
			- pounds -		- pounds -	
Rapeseed	550,000	448,000	727	550	400,000,000	246,000,000
			- tons -		- tons -	
Tame hay	895,000	934,000	1.56	0.60	1,400,000	557,000

August Forecast of the 1961 Production of Principal Field Crops in Canada,
Compared with Latest Estimates for 1960

Province and Crop	Area		Yield per Acre		Production	
	1960	1961	1960	1961 1/	1960	1961 1/
	- acres -		- bushels -		- bushels -	
<u>ALBERTA</u>						
Spring wheat 2/	5,060,000	5,304,000	19.8	15.1	100,000,000	80,000,000
Oats for grain	2,730,000	2,842,000	40.3	34.1	110,000,000	97,000,000
Barley	3,490,000	3,107,000	28.7	25.4	100,000,000	79,000,000
Fall rye	80,000	92,300	18.8	14.1	1,500,000	1,300,000
Spring rye	20,000	22,700	12.5	9.3	250,000	210,000
All rye	100,000	115,000	17.5	13.1	1,750,000	1,510,000
Flaxseed	600,000	450,000	9.3	9.6	5,580,000 3/	4,300,000
Mixed grains	275,000	316,000	34.9	27.8	9,600,000	8,800,000
			- cwt. -		- cwt. -	
Potatoes	20,000	20,900	85.0	85.2	1,700,000	1,780,000
			- pounds -		- pounds -	
Rapeseed	180,000	266,000	735	771	132,000,000 3/	205,000,000
			- tons -		- tons -	
Tame hay	2,200,000	2,340,000	1.45	1.15	3,200,000	2,700,000
			- bushels -		- bushels -	
<u>BRITISH COLUMBIA</u>						
Spring wheat	50,500	52,900	24.8	28.4	1,250,000	1,500,000
Oats for grain	82,700	84,400	47.2	47.4	3,900,000	4,000,000
Barley	53,500	50,900	31.8	35.4	1,700,000	1,800,000
Fall rye	1,000	1,300	35.0	28.5	35,000	37,000
Flaxseed	11,000	11,900	8.8	12.6	97,000	150,000
Mixed grains	2,600	3,300	48.8	40.0	127,000	132,000
			- cwt. -		- cwt. -	
Potatoes	10,900	11,400	192.7	175.4	2,100,000	2,000,000
			- tons -		- tons -	
Tame hay	390,000	402,000	2.36	2.10	920,000	844,000

August Forecast of the 1961 Production of Principal Field Crops in the
Prairie Provinces, Compared with Latest Estimates for 1960

Crop	Area		Yield per Acre		Production	
	1960	1961	1960	1961 1/	1960	1961 1/
	- acres -		- bushels -		- bushels -	
Wheat	22,590,000	23,162,000	20.8	10.0	470,000,000	231,000,000
Oats	7,913,000	8,289,000	38.4	21.1	304,000,000	175,000,000
Barley	7,196,000	5,936,000	27.9	18.5	201,000,000	110,000,000
Rye	450,000	429,400.	17.7	9.3	7,950,000	3,993,000
Flaxseed	2,557,000	2,340,000	8.9	6.1	22,730,000 3/	14,300,000

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

2/ Includes Durum wheat.

3/ Revised.

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