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AUGUST FORECAST OF PRODUCTION OF PRINCIPAL FIELD CROPS, CANADA, 1963

On the basis of yields indicated at August 15, production of the five major grains this year with 1962 totals and the ten-year 1951-60 averages, respectively, in brackets, in millions of bushels is forecast as follows: all wheat, 694.3 (565.6, 506.8); oats for grain, 441.4 (493.6, 395.8); barley, 204.1 (165.9, 235.7); all rye, 13.1 (12.0, 14.0); and flaxseed, 18.7 (16.0, 17.7). The outturn of rapeseed is forecast at 441.0 million pounds compared with 293.0 million in 1962 and the ten-year (1951-60) average of 200.6 million pounds.

Forecast production of wheat at 694.3 million bushels falls short of the record 1952 crop of 702.0 million bushels but is the second largest on record. Forecast average yields of 25.2 bushels per acre are also below the 26.8 bushel average of that year and average yields have equalled or exceeded the 1963 level some four times since records began in 1908.

Realization of the 1963 yield and production forecasts included in this report is dependent on the existence of satisfactory weather conditions throughout the remainder of the growing and harvesting season. By mid-August only a limited acreage of spring-sown grains had been harvested in the Prairie Provinces. Since that time progress of the harvest has been about normal, but with some delays due to wet weather towards the end of August.

Although moisture reserves were low at planting time in many areas of the Prairies, crops generally got off to a good start. Exceptions to this were sections in Manitoba where moisture was excessive and in southeastern Alberta and some adjacent areas in Saskatchewan where drought persisted. Most areas received adequate rainfall during June and July and crops developed well on a heavy stand, the main exception being the Peace River area and parts of northern Alberta where drought reduced prospects sharply. Although temperatures were moderate for most of this period, a heat wave towards the end of July caused some fields to ripen prematurely and fill poorly. Leaf rust also appeared over much of Manitoba and eastern Saskatchewan. Although these factors combined to reduce yield and quality, outturns from the Prairie Provinces are still well above average.

Periodic dry spells during the growing season threatened to reduce yields of Ontario crops but rain was received at critical times in most areas and outturns are generally expected to be good. The estimated average yield of winter wheat at 42.1 bushels per acre is a record. Growing conditions in Quebec and the Maritimes were not as favourable as last season and average yields for most crops are forecast to be below those of 1962. The drought which encompassed the Alberta Peace River area also affected the Peace River Block of British Columbia and average yields for all crops in that province are forecast to be lower than those obtained in 1962.

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, 1963

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 7 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 1963 wheat crop, currently forecast at 694.3 million bushels is 23 per cent larger than last year's crop of 565.6 million, and 37 per cent above the ten-year (1951-60) average of 506.8 million. Average yields increased from 21.1 bushels in 1962 to 25.2 bushels per acre this year, as compared with the 1951-60 average of 20.9 bushels per acre.

The 1963 crop of spring wheat, forecast at 675.7 million bushels is being harvested from a seeded area of 27.1 million acres and yielding an indicated 24.9 bushels per acre. The 1962 spring wheat crop of 549.8 million bushels was produced on 26.4 million acres and yielded an average of 20.9 bushels per acre. The 1963 yield for Ontario's winter wheat crop is placed at 42.1 bushels per acre as compared with 35.1 bushels in 1962. A 2 per cent decrease in acreage was offset by a 20 per cent increase in yields, raising the production to 18.6 million bushels in 1963 compared with 15.8 million in 1962.

In the Prairie Provinces, the 1963 wheat crop is forecast at 673.0 million bushels, some 23 per cent above last year's crop of 546.0 million, and 39 per cent above the ten-year (1951-60) average of 484.0 million. The forecasted average yield per seeded acre in the Prairie Provinces, on the basis of conditions at August 15, is 24.9 bushels per acre, with Manitoba averaging 21.6, Saskatchewan 26.1 and Alberta 23.3 bushels per acre. Production in each of these provinces in millions of bushels, with last year's estimate in brackets, is as follows: Manitoba, 68.0 (80.0); Saskatchewan, 467.0 (354.0); and Alberta, 138.0 (112.0). This is a record outturn for Saskatchewan. 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 50.6 million bushels compared with last year's estimate of 65.9 million. Forecasts of 1963 production in each of the Prairie Provinces in millions of bushels, with last year's estimates in brackets are: Manitoba, 2.8 (3.8); Saskatchewan, 43.0 (56.5); and Alberta, 4.8 (5.6). The acreage seeded to this crop was 37 per cent smaller than in 1962 and this decrease was not fully offset by an increase in yield between these two years of 21 per cent. Yields per acre in 1963, with 1962 figures in brackets are: Manitoba, 20.0 (23.6); Saskatchewan, 23.9 (19.5); Alberta, 20.5 (15.1); and the Prairie Provinces, 23.3 (19.2).

OATS FOR GRAIN Production of oats in 1963 is forecast at 441.4 million bushels, representing a decrease of 11 per cent from last year's total of 493.6 million but an increase of 12 per cent from the ten-year (1951-60) average of 395.8 million. The average yield for the 1963 Canada oat crop is estimated at 46.5 bushels per acre as against 46.6 bushels in 1962.

Production of oats in the Prairie Provinces is currently forecast at 284.0 million bushels in 1963 compared with 322.0 million last year and the ten-year (1951-60) average of 258.0 million. This year's crop in Manitoba, Saskatchewan and Alberta is forecast at 64.0 million, 110.0 million and 110.0 million bushels, respectively. Indicated average yields for the Prairie Provinces and for Canada as a whole are 45.4 bushels and 46.5 bushels per acre respectively, as against 45.0 and 46.6 bushels per acre in 1962.

BARLEY The 1963 barley crop is forecast at 204.1 million bushels, some 23 per cent higher than last year's 165.9 million but 13 per cent below the ten-year average of 235.7 million bushels.

Barley production in the Prairie Provinces is placed at 196.0 million bushels compared with last year's 158.0 million and the ten-year (1951-60) average of 228.0 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, 16.0 (21.0); Saskatchewan, 73.0 (48.0); and Alberta, 107.0 (89.0).

RYE Production of rye, forecast at 13.1 million bushels is 9 per cent above last year's outturn of 12.0 million. The crop is 6 per cent below the ten-year (1951-60) average of 14.0 million bushels. Some 11.3 million bushels of this year's crop is fall rye which averaged 20.4 bushels per acre, while the spring rye crop is forecast at 1.8 million bushels, averaging 18.5 bushels per acre. Production of all rye in the Prairie Provinces is placed at 11.4 million bushels of which 2.4 million are in Manitoba, 5.8 million in Saskatchewan and 3.2 million in Alberta.

OIL SEEDS This year's flaxseed crop, currently forecast at 18.7 million bushels will be some 17 per cent higher than last year's outturn of 16.0 million. Seeded acreage increased by 17 per cent and average yields at 11.1 bushels per acre are unchanged from 1962. This year's production in the Prairie Provinces is placed at 17.9 million bushels compared with 15.3 million in 1962 and the ten-year (1951-60) average of 17.2 million. Manitoba accounts for 8.1 million bushels of the 1963 crop, while Saskatchewan and Alberta are expected to produce 6.5 and 3.3 million bushels, respectively.

Production of rapeseed is placed at 441.0 million pounds in 1963 compared with 293.0 million pounds the year previous. Acreage seeded to this crop this year increased 30 per cent from the 1962 level and average yields at 912 pounds per acre are some 16 per cent above last year's average of 789 pounds.

MIXED GRAINS Canada's 1963 crop of mixed grains, grown mainly in eastern Canada, is forecast at 67.7 million bushels compared with last year's 72.2 million and the ten-year (1951-60) average of 64.6 million bushels. Average yields increased from 47.4 bushels in 1962 to 47.9 bushels per acre in 1963. Some 40.5 million bushels of this year's total crop was grown in Ontario.

TAME HAY Production of tame hay is forecast at 21.9 million tons, 3 per cent below last year's outturn of 22.5 million tons. All provinces except Prince Edward Island, Ontario and Saskatchewan registered decreases in hay yields this year compared with 1962.

POTATOES The 1963 potato crop on the basis of conditions at August 15, is forecast at 43.4 million cwt., 8 per cent below the 1962 crop of 47.0 million cwt. but 13 per cent above the ten-year (1951-60) average of 38.5 million cwt. The decrease in 1963 from last year results from a 7 per cent decrease in yields as well as a one per cent decrease in acreage. The expected average yield per acre is currently forecast at 152.1 cwt. as against 163.0 cwt. in 1962.

August Forecast of the 1963 Production of Principal Field Crops in Canada, Compared with Latest Estimates for 1962

Province and Crop	Area		Yield per Acre		Production	
	1962	1963	1962	1963 1/	1962	1963 1/
	- acres -		- bushels -		- bushels -	
<u>CANADA</u>						
Winter wheat	450,000	442,000	35.1	42.1	15,795,000	18,608,000
Spring wheat 2/	26,366,900	27,124,200	20.9	24.9	549,759,000	675,723,000
All wheat	26,816,900	27,566,200	21.1	25.2	565,554,000	694,331,000
Oats for grain	10,591,100	9,487,800	46.6	46.5	493,610,000	441,448,000
Barley	5,287,100	6,160,100	31.4	33.1	165,888,000	204,086,000
Fall rye	527,200	552,800	20.5	20.4	10,784,000	11,301,000
Spring rye	97,300	98,800	12.9	18.5	1,260,000	1,830,000
All rye	624,500	651,600	19.3	20.2	12,044,000	13,131,000
Flaxseed	1,445,000	1,685,400	11.1	11.1	16,042,000	18,690,000
Mixed grains	1,521,600	1,411,300	47.4	47.9	72,186,000	67,660,000
			- cwt. -		- cwt. -	
Potatoes	288,100	285,400	163.0	152.1	46,971,000	43,396,000
			- pounds -		- pounds -	
Rapeseed	371,200	483,500	789	912	293,000,000	441,000,000
			- tons -		- tons -	
Tame hay	12,370,000	12,288,000	1.82	1.78	22,536,000	21,912,000
			- bushels -		- bushels -	
<u>PRINCE EDWARD ISLAND</u>						
Spring wheat	4,600	5,300	31.5	31.5	145,000	167,000
Oats for grain	97,000	86,000	52.6	51.2	5,100,000	4,400,000
Barley	6,000	18,000	43.0	41.0	258,000	738,000
Mixed grains	51,000	48,000	51.0	52.7	2,600,000	2,530,000
			- cwt. -		- cwt. -	
Potatoes	41,000	42,000	182.0	165.0	7,462,000	6,930,000
			- tons -		- tons -	
Tame hay	180,000	180,000	1.66	1.73	298,000	311,000
			- bushels -		- bushels -	
<u>NOVA SCOTIA</u>						
Spring wheat	1,200	1,000	31.7	33.0	38,000	33,000
Oats for grain	37,000	32,000	39.2	46.9	1,450,000	1,500,000
Barley	1,400	1,700	33.6	35.9	47,000	61,000
Mixed grains	8,000	7,700	38.0	46.0	304,000	354,000
			- cwt. -		- cwt. -	
Potatoes	6,800	6,900	137.0	119.9	932,000	827,000
			- tons -		- tons -	
Tame hay	228,000	230,000	2.04	1.99	465,000	458,000
			- bushels -		- bushels -	
<u>NEW BRUNSWICK</u>						
Spring wheat	2,600	2,300	27.7	25.7	72,000	59,000
Oats for grain	102,000	87,000	46.1	44.8	4,700,000	3,900,000
Barley	3,300	3,500	38.2	37.7	126,000	132,000
Mixed grains	6,700	7,900	47.0	45.9	315,000	363,000
			- cwt. -		- cwt. -	
Potatoes	50,000	53,000	213.8	180.0	10,690,000	9,540,000
			- tons -		- tons -	
Tame hay	282,000	283,000	1.93	1.84	545,000	522,000

August Forecast of the 1963 Production of Principal Field Crops in Canada, Compared
with Latest Estimates for 1962

Province and Crop	Area		Yield per Acre		Production	
	1962	1963	1962	1963 1/	1962	1963 1/
	- acres -		- bushels -		- bushels -	
<u>QUEBEC</u>						
Spring wheat	10,000	8,300	26.7	26.0	267,000	216,000
Oats for grain	1,267,000	1,189,000	43.5	41.8	55,114,000	49,700,000
Barley	19,000	13,900	37.8	37.0	718,000	514,000
Fall rye	3,600	3,100	22.8	23.2	82,000	72,000
Flaxseed	25,400	32,000	14.1	11.0	357,000	352,000
Mixed grains	96,000	89,200	43.8	42.5	4,205,000	3,791,000
			- cwt. -		- cwt. -	
Potatoes	71,600	68,000	134.2	138.0	9,609,000	9,384,000
			- tons -		- tons -	
Tame hay	3,344,000	3,430,000	1.89	1.77	6,320,000	6,071,000
			- bushels -		- bushels -	
<u>ONTARIO</u>						
Winter wheat	450,000	442,000	35.1	42.1	15,795,000	18,608,000
Spring wheat	18,000	17,000	24.3	24.0	437,000	408,000
All wheat	468,000	459,000	34.7	41.4	16,232,000	19,016,000
Oats for grain	1,848,000	1,756,000	54.3	53.9	100,346,000	94,648,000
Barley	80,500	89,000	45.2	45.4	3,639,000	4,041,000
Fall rye	63,000	64,000	24.0	25.5	1,512,000	1,632,000
Flaxseed	21,400	23,000	16.9	18.6	362,000	428,000
Mixed grains	740,000	720,000	56.3	56.2	41,662,000	40,464,000
			- cwt. -		- cwt. -	
Potatoes	49,900	51,000	192.0	186.0	9,581,000	9,486,000
			- tons -		- tons -	
Tame hay	3,249,000	3,100,000	1.96	2.08	6,368,000	6,448,000
			- bushels -		- bushels -	
<u>MANITOBA</u>						
Spring wheat 2/	3,042,000	3,153,000	26.3	21.6	80,000,000	68,000,000
Oats for grain	1,794,000 3/	1,620,000 3/	49.6	39.5	89,000,000	64,000,000
Barley	629,000	584,000	33.4	27.4	21,000,000	16,000,000
Fall rye	116,000	104,000	25.3	22.6	2,940,000	2,350,000
Spring rye	3,000	3,000	20.0	16.7	60,000	50,000
All rye	119,000	107,000	25.2	22.4	3,000,000	2,400,000
Flaxseed	667,000	820,000	11.7	9.9	7,800,000	8,100,000
Mixed grains	124,000	126,000	40.3	32.5	5,000,000	4,100,000
			- cwt. -		- cwt. -	
Potatoes	23,000	21,000	114.0	90.5	2,622,000	1,900,000
			- pounds -		- pounds -	
Rapeseed	32,200	51,500	902	874	29,000,000	45,000,000
			- tons -		- tons -	
Tame hay	1,045,000	1,039,000	2.00	1.73	2,090,000	1,800,000
			- bushels -		- bushels -	
<u>SASKATCHEWAN</u>						
Spring wheat 2/	17,388,000	17,910,000	20.4	26.1	354,000,000	467,000,000
Oats for grain	2,712,000 3/	2,216,000 3/	40.6	49.6	110,000,000	110,000,000
Barley	1,629,000	1,930,000	29.5	37.8	48,000,000	73,000,000
Fall rye	215,000	206,000	19.5	21.8	4,200,000	4,500,000
Spring rye	64,100	69,400	12.5	18.7	800,000	1,300,000
All rye	279,100	275,400	17.9	21.1	5,000,000	5,800,000
Flaxseed	389,000	506,000	10.5	12.8	4,100,000	6,500,000
Mixed grains	125,000	100,000	35.0	39.0	4,400,000	3,900,000
			- cwt. -		- cwt. -	
Potatoes	13,000	12,700	75.0	81.0	975,000	1,029,000
			- pounds -		- pounds -	
Rapeseed	167,000	232,000	784	1,121	131,000,000	260,000,000
			- tons -		- tons -	
Tame hay	1,020,000	1,061,000	1.52	1.70	1,550,000	1,800,000

August Forecast of the 1963 Production of Principal Field Crops in Canada,
Compared with Latest Estimates for 1962

Province and Crop	Area		Yield per Acre		Production	
	1962	1963	1962	1963 1/	1962	1963 1/
	- acres -		- bushels -		- bushels -	
<u>ALBERTA</u>						
Spring wheat 2/	5,807,000	5,933,000	19.3	23.3	112,000,000	138,000,000
Oats for grain	2,646,000 3/	2,424,000 3/	46.5	45.4	123,000,000	110,000,000
Barley	2,839,000	3,408,000	31.3	31.4	89,000,000	107,000,000
Fall rye	128,000	174,000	15.6	15.5	2,000,000	2,700,000
Spring rye	30,200	26,400	13.2	18.2	400,000	480,000
All rye	158,200	200,400	15.2	15.9	2,400,000	3,180,000
Flaxseed	340,000	303,000	10.0	10.9	3,400,000	3,300,000
Mixed grains	367,000	309,000	36.8	38.8	13,500,000	12,000,000
			- cwt. -		- cwt. -	
Potatoes	22,000	21,500	140.9	120.0	3,100,000	2,580,000
			- pounds -		- pounds -	
Rapeseed	172,000	200,000	774	680	133,000,000	136,000,000
			- tons -		- tons -	
Tame hay	2,626,000	2,564,000	1.52	1.40	4,000,000	3,600,000
			- bushels -		- bushels -	
<u>BRITISH COLUMBIA</u>						
Spring wheat	93,500	94,300	29.9	19.5	2,800,000	1,840,000
Oats for grain	88,100	77,800	55.6	42.4	4,900,000	3,300,000
Barley	79,900	112,000	38.8	23.2	3,100,000	2,600,000
Fall rye	1,600	1,700	31.2	27.6	50,000	47,000
Flaxseed	2,200	1,400	10.5	7.1	23,000	10,000
Mixed grains	3,900	3,500	51.3	45.1	200,000	158,000
			- cwt. -		- cwt. -	
Potatoes	10,800	9,300	185.2	185.0	2,000,000	1,720,000
			- tons -		- tons -	
Tame hay	396,000	401,000	2.27	2.25	900,000	902,000

August Forecast of the 1963 Production of Principal Field Crops in the
Prairie Provinces, Compared with Latest Estimates for 1962

Crop	Area		Yield per Acre		Production	
	1962	1963	1962	1963 1/	1962	1963 1/
	- acres -		- bushels -		- bushels -	
Wheat	26,237,000	26,996,000	20.8	24.9	546,000,000	673,000,000
Oats	7,152,000 3/	6,260,000 3/	45.0	45.4	322,000,000	284,000,000
Barley	5,097,000	5,922,000	31.0	33.1	158,000,000	196,000,000
Rye	556,300	582,800	18.7	19.5	10,400,000	11,380,000
Flaxseed	1,396,000	1,629,000	11.0	11.0	15,300,000	17,900,000

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

2/ Includes durum wheat.

3/ Estimated area for harvest as oats.

August Forecast of the 1963 Production of Specified Crops in the Prairie Provinces
Compared with Latest Estimate for 1962

Province	Area		Yield per Acre		Production	
	1962	1963	1962	1963 1/	1962	1963 1/
	- acres -		- bushels -		- bushels -	
	<u>DURUM WHEAT</u>					
Manitoba	161,000	140,000	23.6	20.0	3,800,000	2,800,000
Saskatchewan	2,897,000	1,796,000	19.5	23.9	56,500,000	43,000,000
Alberta	371,000	234,000	15.1	20.5	5,600,000	4,800,000
Total	3,429,000	2,170,000	19.2	23.3	65,900,000	50,600,000

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

SUMMARY OF AUGUST FORECAST OF PRODUCTION

Based on conditions on or about August 15, the production of principal grain crops in Canada in 1963 is forecast, in millions of bushels, as follows, with 1962 totals and 1951-60 averages, respectively, within brackets: winter wheat, 18.6 (15.8, 20.4); spring wheat, 675.7 (549.8, 486.4); all wheat, 694.3 (565.6, 506.8); oats for grain, 441.4 (493.6, 395.8); barley, 204.1 (165.9, 235.7); fall rye, 11.3 (10.8, 10.3); spring rye, 1.8 (1.3, 3.8); all rye, 13.1 (12.0, 14.0); and flaxseed, 18.7 (16.0, 17.7). The average yields per acre, in bushels, are forecast as follows, with 1962 and 1951-60 averages, respectively, within brackets; winter wheat, 42.1 (35.1, 33.3); spring wheat, 24.9 (20.9, 20.6); all wheat, 25.2 (21.1, 20.9); oats for grain, 46.5 (46.6, 39.0); barley, 33.1 (31.4, 27.9); fall rye, 20.4 (20.5, 17.7); spring rye, 18.5 (12.9, 14.3); all rye, 20.2 (19.3, 16.9); and flaxseed, 11.1 (11.1, 9.2).

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 1962 totals and 1951-60 averages, respectively, within brackets: three provinces - wheat, 673.0 (546.0, 484.0); oats for grain, 284.0 (322.0, 258.0); barley, 196.0 (158.0, 228.0); rye, 11.4 (10.4, 12.2); flaxseed, 17.9 (15.3, 17.2). Manitoba - wheat, 68.0 (80.0, 52.0); oats for grain, 64.0 (89.0, 55.0); barley, 16.0 (21.0, 45.0); rye, 2.4 (3.0, 1.5); flaxseed, 8.1 (7.8, 4.9). Saskatchewan - wheat, 467.0 (354.0, 303.0); oats for grain, 110.0 (110.0, 102.0); barley, 73.0 (48.0, 80.0); rye, 5.8 (5.0, 7.1); flaxseed, 6.5 (4.1, 8.2). Alberta - wheat, 138.0 (112.0, 128.0); oats for grain, 110.0 (123.0, 100.0); barley, 107.0 (89.0, 102.0); rye, 3.2 (2.4, 3.5); flaxseed, 3.3 (3.4, 4.1).

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