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## AUGUST FORECAST OF PRODUCTION OF PRINCIPAL FIELD CROPS, CANADA, 1964

On the basis of yields indicated at August 15, production of the five major grains this year with 1963 totals and the ten-year 1952-61 averages, respectively, in brackets, in millions of bushels is forecast as follows: all wheat, 596.1 (723.4, 479.8); oats for grain, 356.8 (453.1, 374.8); barley, 169.1 (220.7, 222.5); all rye, 12.8 (12.8, 12.9); and flaxseed, 19.6 (21.1, 18.2). The outturn of rapeseed is forecast at 592.0 million pounds compared with 418.0 million in 1963 and the ten-year (1952-61) average of 256.1 million pounds. The acreage seeded to all classes of wheat reached a record 29.7 million acres in 1964 and the average yield per acre of 20.1 bushels exceeded the recent ten-year average by only one per cent. Production forecast at 596.1 million, is well below last year's record outturn of 723.4 million but still ranks as the fourth largest.

Realization of the 1964 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 threshed in the Prairie Provinces and the harvest has been delayed since that time due to cool weather, and heavy precipitation in some areas. In the Peace River region of Alberta and British Columbia, stands are exceptionally heavy, but the crop is later than normal. The requirements for the Prairie Provinces at this time are for a period of warm dry weather to dry the grain and to advance the harvest.

Although the Prairie Provinces received only limited moisture in the fall and winter of 1963-64, spring rains over most of the region provided sufficient moisture to make a good seed bed for spring-sown crops. The main exceptions occurred over a considerable area of northern and central Saskatchewan where drought conditions persisted for much of the growing season. As the summer progressed, Manitoba and Eastern Saskatchewan received adequate rains to properly advance all crops, but in the northwest quarter of Saskatchewan and the adjacent area in Alberta, moisture was limited to local showers and as a result stands were thin. Early season prospects were very promising in the southwest quarter of Saskatchewan, and southeastern Alberta, but hot, dry weather in the latter part of June and early July reduced prospects considerably. Western sections of Alberta experienced about normal growing conditions while the Peace River area received adequate to excessive moisture.

Growing conditions in Ontario were variable. In general, adequate moisture was received in the southwestern part of the province to assure good crops, but

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drought conditions persisted throughout the summer in many counties in the eastern part of the province and stretched into adjacent areas of Western Quebec. In Eastern Quebec and in the Maritime Provinces rainfall was sufficient to ensure larger grain outturns than those obtained a year earlier. Over most of British Columbia, cool, moist conditions promoted heavy growth of all crops and exceptionally good average yields are anticipated.

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 1964 wheat crop, currently forecast at 596.1 million bushels is 18 per cent smaller than last year's crop of 723.4 million, but 24 per cent above the ten-year (1952-61) average of 479.8 million. Average yields decreased from 26.2 bushels in 1963 to 20.1 bushels per acre this year, as compared with the 1952-61 average of 19.9 bushels per acre.

The 1964 crop of spring wheat, forecast at 577.5 million bushels is being harvested from a seeded area of 29.2 million acres and yielding an indicated 19.8 bushels per acre. The 1963 spring wheat crop of 705.7 million bushels was produced on 27.1 million acres and yielded an average of 26.0 bushels per acre. The 1964 yield for Ontario's winter wheat crop is placed at 40.8 bushels per acre as compared with 40.2 bushels in 1963. A 3 per cent increase in acreage and a one per cent increase in yields, raised the production to 18.6 million bushels in 1964 compared with 17.7 million in 1963.

In the Prairie Provinces, the 1964 wheat crop is forecast at 573.0 million bushels, some 18 per cent below last year's crop of 703.0 million, but 25 per cent above the ten-year (1952-61) average of 456.6 million. The forecasted average yield per seeded acre in the Prairie Provinces, on the basis of conditions at August 15, is 19.7 bushels per acre, with Manitoba averaging 25.7, Saskatchewan 18.2 and Alberta 20.9 bushels per acre. Production in each of these provinces in millions of bushels, with last year's estimate in brackets, is as follows: Manitoba, 87.0 (61.0); Saskatchewan, 350.0 (493.0); and Alberta, 136.0 (149.0). 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 34.5 million bushels compared with last year's estimate of 58.4 million. Forecasts of 1964 production in each of the Prairie Provinces in millions of bushels, with last year's estimates in brackets are: Manitoba, 2.7 (2.4); Saskatchewan, 27.0 (46.0); and Alberta, 4.8 (5.0). The acreage seeded to this crop was 13 per cent smaller than in 1963 and this coupled with a 26 per cent decrease in average yields, reduced production by 35 per cent. Yields per acre in 1964, with 1963 figures in brackets are: Manitoba, 22.5 (17.1); Saskatchewan, 17.5 (25.6); Alberta, 21.1 (21.4); and the Prairie Provinces, 18.3 (24.6).



OATS FOR GRAIN Production of oats in 1964 is forecast at 356.8 million bushels, representing a decrease of 21 per cent from last year's total of 453.1 million and a decrease of 5 per cent from the ten-year (1952-61) average of 374.8 million. The average yield for the 1964 Canada oat crop is estimated at 42.9 bushels per acre as against 47.8 bushels in 1963.

Production of oats in the Prairie Provinces is currently forecast at 206.0 million bushels in 1964 compared with 304.0 million last year and the ten-year (1952-61) average of 237.2 million. This year's crop in Manitoba, Saskatchewan and Alberta is forecast at 73.0 million, 51.0 million and 82.0 million bushels, respectively. Indicated average yields for the Prairie Provinces are 39.8 bushels per acre, as against 48.6 bushels per acre in 1963. 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 1956-62 average respectively, in brackets, are estimated as follows: Manitoba, 93 (93, 85); Saskatchewan, 72 (85, 69); and the Prairie Provinces, 79 (85, 74). *Alberta, 75 (80, 74).*

BARLEY The 1964 barley crop is forecast at 169.1 million bushels, some 23 per cent lower than last year's 220.7 million and 24 per cent below the ten-year average of 222.5 million bushels.

Barley production in the Prairie Provinces is placed at 159.0 million bushels compared with last year's 213.0 million and the ten-year (1952-61) average of 214.7 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 (16.0); Saskatchewan, 35.0 (78.0); and Alberta, 108.0 (119.0).

RYE Production of rye, forecast at 12.8 million bushels is unchanged from last year's outturn and is one per cent below the ten-year (1952-61) average of 12.9 million bushels. Some 11.4 million bushels of this year's crop is fall rye which averaged 19.7 bushels per acre, while the spring rye crop is forecast at 1.4 million bushels, averaging 13.9 bushels per acre. Production of all rye in the Prairie Provinces is placed at 11.2 million bushels of which 3.1 million are in Manitoba, 4.5 million in Saskatchewan and 3.6 million in Alberta.

OIL SEEDS This year's flaxseed crop, currently forecast at 19.6 million bushels will be some 7 per cent lower than last year's outturn of 21.1 million. Seeded acreage increased by 14 per cent but average yields at 10.2 bushels per acre are 19 per cent down from 1963. This year's production in the Prairie Provinces is placed at 18.6 million bushels compared with 20.3 million in 1963 and the ten-year (1952-61) average of 17.8 million. Manitoba accounts for 9.3 million bushels of the 1964 crop, while Saskatchewan and Alberta are expected to produce 4.9 and 4.4 million bushels, respectively.

Production of rapeseed is placed at 592.0 million pounds in 1964 compared with 418.0 million pounds the year previous. Acreage seeded to this crop this year increased 46 per cent from the 1963 level but average yields at 846 pounds per acre are some 3 per cent below last year's average of 874 pounds.

MIXED GRAINS Canada's 1964 crop of mixed grains, grown mainly in Eastern Canada, is forecast at 65.5 million bushels compared with last year's 68.0 million and the ten-year (1952-61) average of 63.8 million bushels. Average yields decreased from 48.2 bushels in 1963 to 45.8 bushels per acre in 1964. Some 40.2 million bushels of this year's total crop was grown in Ontario.

TAME HAY Production of tame hay is forecast at 21.1 million tons, 8 per cent below last year's record outturn of 23.0 million tons. All provinces except Prince Edward Island and British Columbia registered decreases in hay yields this year compared with 1963.

POTATOES The 1964 potato crop on the basis of conditions at August 15, is forecast at 41.5 million cwt., 9 per cent below the 1963 crop of 45.4 million cwt., but 4 per cent above the ten-year (1952-61) average of 39.9 million cwt. The decrease in 1964 from last year, results from a 7 per cent decrease in yields as well as 2 per cent decrease in acreage. The expected average yield per acre is currently forecast at 147.7 cwt. as against 159.0 cwt. in 1963.

August Forecast of the 1964 Production of Principal Field Crops in Canada, Compared  
with Latest Estimates for 1963

Province and crop	Area		Yield per acre		Production	
	1963	1964	1963	1964(1)	1963	1964(1)
	- acres -		- bushels -		- bushels -	
<u>CANADA</u>						
Winter wheat	442,000	455,000	40.2	40.8	17,748,000	18,573,000
Spring wheat(2)	27,124,200	29,230,800	26.0	19.8	705,694,000	577,546,000
All wheat	27,566,200	29,685,800	26.2	20.1	723,442,000	596,119,000
Oats for grain	9,487,800	8,308,000	47.8	42.9	453,102,000	356,756,000
Barley	6,160,100	5,454,700	35.8	31.0	220,664,000	169,081,000
Fall rye	552,800	578,900	19.9	19.7	11,018,000	11,388,000
Spring rye	98,800	100,900	18.5	13.9	1,830,000	1,400,000
All rye	651,600	679,800	19.7	18.8	12,848,000	12,788,000
Flaxseed	1,682,400	1,916,500	12.6	10.2	21,116,000	19,598,000
Mixed grains	1,411,300	1,431,300	48.2	45.8	67,987,000	65,544,000
			- cwt. -		- cwt. -	
Potatoes	285,400	280,700	159.0	147.7	45,376,000	41,468,000
			- pounds -		- pounds -	
Rapeseed	478,000	699,800	874	846	418,000,000	592,000,000
			- tons -		- tons -	
Tame hay	12,352,000	12,507,000	1.86	1.69	23,014,000	21,083,000
			- bushels -		- bushels -	
<u>PRINCE EDWARD ISLAND</u>						
Spring wheat	5,300	4,000	28.9	30.7	153,000	123,000
Oats for grain	86,000	92,000	45.3	51.8	3,900,000	4,766,000
Barley	18,000	11,000	41.7	44.3	750,000	487,000
Mixed grains	48,000	45,000	49.0	51.6	2,350,000	2,322,000
			- cwt. -		- cwt. -	
Potatoes	42,000	40,000	197.6	167.0	8,300,000	6,680,000
			- tons -		- tons -	
Tame hay	180,000	180,000	1.78	2.10	320,000	378,000
			- bushels -		- bushels -	
<u>NOVA SCOTIA</u>						
Spring wheat	1,000	900	30.0	35.4	30,000	32,000
Oats for grain	32,000	34,000	43.8	45.0	1,400,000	1,530,000
Barley	1,700	1,800	35.9	35.0	61,000	63,000
Mixed grains	7,700	8,900	40.0	42.0	308,000	374,000
			- cwt. -		- cwt. -	
Potatoes	6,900	6,600	145.0	138.0	1,000,000	911,000
			- tons -		- tons -	
Tame hay	230,000	227,000	2.17	2.12	500,000	481,000
			- bushels -		- bushels -	
<u>NEW BRUNSWICK</u>						
Spring wheat	2,300	3,000	25.2	29.7	58,000	89,000
Oats for grain	87,000	82,000	40.2	45.2	3,500,000	3,706,000
Barley	3,500	3,400	35.1	37.2	123,000	126,000
Mixed grains	7,900	8,500	42.2	44.4	333,000	377,000
			- cwt. -		- cwt. -	
Potatoes	53,000	54,000	200.0	182.0	10,600,000	9,828,000
			- tons -		- tons -	
Tame hay	283,000	280,000	1.98	1.88	560,000	526,000

For footnotes, see page 6.

August Forecast of the 1964 Production of Principal Field Crops in Canada, Compared  
with Latest Estimates for 1963

Province and crop	Area		Yield per acre		Production	
	1963	1964	1963	1964(1)	1963	1964(1)
	- acres -		- bushels -		- bushels -	
<u>QUEBEC</u>						
Spring wheat	8,300	10,900	26.0	24.6	216,000	268,000
Oats for grain	1,189,000	1,184,000	38.3	40.3	45,539,000	47,715,000
Barley	13,900	13,600	33.4	36.9	464,000	502,000
Fall rye	3,100	2,400	22.7	21.6	70,000	52,000
Flaxseed	29,000	35,700	13.6	15.2	394,000	543,000
Mixed grains	89,200	91,900	39.0	40.5	3,479,000	3,722,000
			- cwt. -		- cwt. -	
Potatoes	68,000	60,800	123.0	111.8	8,364,000	6,797,000
			- tons -		- tons -	
Tame hay	3,430,000	3,432,000	1.86	1.74	6,380,000	5,972,000
			- bushels -		- bushels -	
<u>ONTARIO</u>						
Winter wheat	442,000	455,000	40.2	40.8	17,748,000	18,573,000
Spring wheat	17,000	17,000	25.7	25.5	437,000	434,000
All wheat	459,000	472,000	39.6	40.3	18,185,000	19,007,000
Oats for grain	1,756,000	1,663,000	52.2	53.0	91,663,000	88,139,000
Barley	89,000	113,000	44.6	44.3	3,966,000	5,003,000
Fall rye	64,000	56,000	24.2	26.5	1,551,000	1,484,000
Flaxseed	23,000	23,500	17.9	17.9	411,000	421,000
Mixed grains	720,000	725,000	55.7	55.5	40,077,000	40,236,000
			- cwt. -		- cwt. -	
Potatoes	51,000	53,000	192.0	190.8	9,792,000	10,112,000
			- tons -		- tons -	
Tame hay	3,164,000	3,150,000	2.19	2.06	6,918,000	6,502,000
			- bushels -		- bushels -	
<u>MANITOBA</u>						
Spring wheat(2)	3,153,000	3,385,000	19.3	25.7	61,000,000	87,000,000
Oats for grain	1,620,000(3)	1,635,000(3)	38.3	44.6	62,000,000	73,000,000
Barley	584,000	497,000	27.4	32.2	16,000,000	16,000,000
Fall rye	104,000	146,000	22.6	20.9	2,350,000	3,050,000
Spring rye	3,000	3,000	16.7	16.7	50,000	50,000
All rye	107,000	149,000	22.4	20.8	2,400,000	3,100,000
Flaxseed	820,000	984,000	11.3	9.5	9,300,000	9,300,000
Mixed grains	126,000	126,000	31.0	38.1	3,900,000	4,800,000
			- cwt. -		- cwt. -	
Potatoes	21,000	24,500	95.2	93.9	2,000,000	2,300,000
			- pounds -		- pounds -	
Rapeseed	45,000	69,800	844	917	38,000,000	64,000,000
			- tons -		- tons -	
Tame hay	1,039,000	1,078,000	1.83	1.48	1,900,000	1,600,000
			- bushels -		- bushels -	
<u>SASKATCHEWAN</u>						
Spring wheat(2)	17,910,000	19,200,000	27.5	18.2	493,000,000	350,000,000
Oats for grain	2,216,000(3)	1,469,000(3)	53.2	34.9	118,000,000	51,000,000
Barley	1,930,000	1,400,000	40.4	25.0	78,000,000	35,000,000
Fall rye	206,000	216,000	20.9	16.2	4,300,000	3,500,000
Spring rye	69,400	73,000	18.7	13.7	1,300,000	1,000,000
All rye	275,400	289,000	20.3	15.6	5,600,000	4,500,000
Flaxseed	506,000	521,000	14.4	9.4	7,300,000	4,900,000
Mixed grains	100,000	94,000	44.0	26.6	4,400,000	2,500,000
			- cwt. -		- cwt. -	
Potatoes	12,700	11,800	86.6	45.8	1,100,000	540,000
			- pounds -		- pounds -	
Rapeseed	210,000	262,000	962	725	202,000,000	190,000,000
			- tons -		- tons -	
Tame hay	1,061,000	1,110,000	1.70	0.98	1,800,000	1,088,000



August Forecast of the 1964 Production of Principal Field Crops in Canada,  
Compared with Latest Estimates for 1963

Province and crop	Area		Yield per acre		Production	
	1963	1964	1963	1964(1)	1963	1964(1)
	- acres -		- bushels -		- bushels -	
<u>ALBERTA</u>						
Spring wheat(2)	5,933,000	6,495,000	25.1	20.9	149,000,000	136,000,000
Oats for grain	2,424,000(3)	2,067,000(3)	51.2	39.7	124,000,000	82,000,000
Barley	3,408,000	3,320,000	34.9	32.5	119,000,000	108,000,000
Fall rye	174,000	157,000	15.5	20.7	2,700,000	3,250,000
Spring rye	26,400	24,900	18.2	14.1	480,000	350,000
All rye	200,400	181,900	15.9	19.8	3,180,000	3,600,000
Flaxseed	303,000	350,000	12.2	12.6	3,700,000	4,400,000
Mixed grains	309,000	328,000	42.1	33.5	13,000,000	11,000,000
			- cwt. -		- cwt. -	
Potatoes	21,500	21,100	116.3	118.5	2,500,000	2,500,000
			- pounds -		- pounds -	
Rapeseed	223,000	368,000	798	918	178,000,000	338,000,000
			- tons -		- tons -	
Tame hay	2,564,000	2,628,000	1.48	1.33	3,800,000	3,500,000
			- bushels -		- bushels -	
<u>BRITISH COLUMBIA</u>						
Spring wheat	94,300	115,000	19.1	31.0	1,800,000	3,600,000
Oats for grain	77,800	82,000	39.8	60.0	3,100,000	4,900,000
Barley	112,000	94,900	20.5	41.5	2,300,000	3,900,000
Fall rye	1,700	1,500	27.6	34.7	47,000	52,000
Flaxseed	1,400	2,300	7.9	15.0	11,000	34,000
Mixed grains	3,500	4,000	40.0	53.2	140,000	213,000
			- cwt. -		- cwt. -	
Potatoes	9,300	8,900	185.0	202.2	1,720,000	1,800,000
			- tons -		- tons -	
Tame hay	401,000	422,000	2.08	2.45	836,000	1,036,000

August Forecast of the 1964 Production of Principal Field Crops in the  
Prairie Provinces, Compared with Latest Estimates for 1963

Crop	Area		Yield per acre		Production	
	1963	1964	1963	1964(1)	1963	1964(1)
	- acres -		- bushels -		- bushels -	
Wheat	26,996,000	29,080,000	26.0	19.7	703,000,000	573,000,000
Oats	6,260,000(3)	5,171,000(3)	48.6	39.8	304,000,000	206,000,000
Barley	5,922,000	5,217,000	36.0	30.5	213,000,000	159,000,000
Rye	582,800	619,900	19.2	18.1	11,180,000	11,200,000
Flaxseed	1,629,000	1,855,000	12.5	10.0	20,300,000	18,600,000

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

(2) Includes durum wheat.

(3) Estimated area for harvest as oats.



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August Forecast of the 1964 Production of Specified Crops in the Prairie Provinces  
Compared with Latest Estimate for 1963

Province	Area		Yield per acre		Production	
	1963	1964	1963	1964(1)	1963	1964(1)
	- acres -		- bushels -		- bushels -	
	<u>DURUM WHEAT</u>					
Manitoba	140,000	120,000	17.1	22.5	2,400,000	2,700,000
Saskatchewan	1,796,000	1,541,000	25.6	17.5	46,000,000	27,000,000
Alberta	234,000	227,000	21.4	21.1	5,000,000	4,800,000
Total	2,170,000	1,888,000	24.6	18.3	53,400,000	34,500,000

(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 1964 is forecast, in millions of bushels, as follows, with 1963 totals and 1952-61 averages, respectively, within brackets: winter wheat, 18.6 (17.7, 20.5); spring wheat, 577.5 (705.7, 459.3); all wheat, 596.1 (723.4, 479.8); oats for grain, 356.8 (453.1, 374.8); barley, 169.1 (220.7, 222.5); fall rye, 11.4 (11.0, 9.7); spring rye, 1.4 (1.8, 3.2); all rye, 12.8 (12.8, 12.9); and flaxseed, 19.6 (21.1, 18.2). The average yields per acre, in bushels, are forecast as follows, with 1963 and 1952-61 averages, respectively, within brackets: winter wheat, 40.8 (40.2, 34.1); spring wheat, 19.8 (26.0, 19.5); all wheat, 20.1 (26.2, 19.9); oats for grain, 42.9 (47.8, 38.2); barley, 31.0 (35.8, 26.8); fall rye, 19.7 (19.9, 17.4); spring rye, 13.9 (18.5, 13.5); all rye, 18.8 (19.7, 16.5); and flaxseed, 10.2 (12.6, 9.0).

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 1963 totals and 1952-61 averages, respectively, within brackets: three provinces - wheat, 573.0 (703.0, 456.6); oats for grain, 206.0 (304.0, 237.2); barley, 159.0 (213.0, 214.7); rye, 11.2 (11.2, 11.1); flaxseed, 18.6 (20.3, 17.8). Manitoba - wheat, 87.0 (61.0, 50.4); oats for grain, 73.0 (62.0, 52.0); barley, 16.0 (16.0, 40.1); rye, 3.1 (2.4, 1.5); flaxseed, 9.3 (9.3, 4.8). Saskatchewan - wheat, 350.0 (493.0, 284.3); oats for grain, 51.0 (118.0, 89.6); barley, 35.0 (78.0, 75.2); rye, 4.5 (5.6, 6.3); flaxseed, 4.9 (7.3, 8.6). Alberta - wheat, 136.0 (149.0, 121.9); oats for grain, 82.0 (124.0, 95.6); barley, 108.0 (119.0, 99.4); rye, 3.6 (3.2, 3.2); flaxseed, 4.4 (3.7, 4.4).