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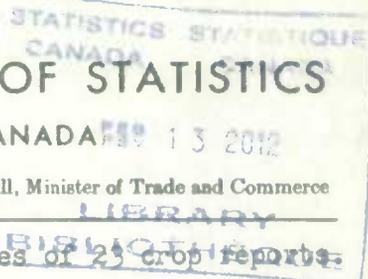
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AUGUST FORECAST OF PRODUCTION OF PRINCIPAL FIELD CROPS, CANADA, 1959

On the basis of yields indicated at August 15, production of all wheat, oats, all rye, and tame hay will be above last year's level. Production of barley, mixed grains, flaxseed, rapeseed, mustard seed and potatoes will be smaller than a year ago. Present prospects point to a 405.0 million bushel wheat crop, 9 per cent above last year's estimate of 371.7 million bushels but 17 per cent below the ten-year (1949-58) average of 490.4 million. The oats and barley crops are placed at 420.6 and 226.5 million bushels, respectively, with flax being estimated at 21.6 million bushels. Fall and spring rye together account for some 8.2 million bushels. Average yields per acre of most cereal and oilseed crops this year are close to those of a year ago and the recent ten-year average. Wheat yields are expected to be about 1 per cent below a year ago but 12 per cent below the recent average. Oat yields are 2 per cent higher than a year ago and 1 per cent below average while barley yields are 7 per cent above last year and 2 per cent above average. Indicated rye yields are 4 per cent above last year and 3 per cent above average while flax yields are 3 per cent above a year ago and the same as the ten-year average.

Realization of the 1959 yield and production forecasts contained in this report will depend on the existence of favourable weather conditions throughout the remainder of the growing and harvesting season. However, harvesting started early in many parts of the country this year, particularly in the southern districts of all three Prairie Provinces and Ontario. Reasonable progress has been made in these areas to date but warm dry weather is now required in most parts of the country to permit completion of harvest.

Spring rainfall and the reserve moisture supply was low over most of the Prairies this season but heavy general rains in late June improved growing conditions greatly. However, rainfall was below average in July and early August. This was coupled with above normal temperatures and the crop tended to ripen prematurely and as a consequence yields and quality were reduced. Hail losses in the west were not excessive this year, although local areas suffered heavy damage. Outbreaks of grasshoppers were numerous and required extensive control measures. Cutworms were also active in the spring and chemical control measures were instituted. Losses from rust have been negligible to date. The weather over much of Ontario tended to be dry and yields of most crops are well below those of a year ago. In the remainder of Eastern Canada and in British Columbia, growing conditions were generally favourable.

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 28 crop report. Production forecasts for rapeseed and mustard seed are also included in this report.

Note: Excluding Newfoundland for which data are not available.

Prepared in the Crops Section, Agriculture Division

WHEAT Canada's 1959 wheat crop, currently forecast at 405.0 million bushels will, if realized, be 9 per cent larger than last year's crop of 371.7 million and 17 per cent below the ten-year (1949-58) average of 490.4 million. The increase from 1958 is attributable to the increase of 10 per cent in acreage. Average yields declined from 17.8 bushels in 1958 to 17.6 bushels per acre this year.

The 1959 crop of spring wheat, forecast at 393.1 million bushels is being harvested from a seeded area of 22.6 million acres yielding an indicated 17.4 bushels per acre. The 1958 spring wheat crop of 347.8 million bushels was produced on 20.3 million acres yielding an average of 17.1 bushels per acre. The 1959 yield for Ontario's winter wheat crop is placed at 28.1 bushels per acre as compared with a record 41.2 bushels in 1958. A 27 per cent reduction in acreage coupled with a 32 per cent decrease in yields reduced production to 11.9 million bushels in 1959 compared with 23.9 million in 1958.

In the Prairie Provinces the 1959 wheat crop is forecast at 391.0 million bushels, 45 million bushels or 13 per cent above last year's crop of 346.0 million but 74 million or 16 per cent below the ten-year average of 465.5 million. The indicated average yield per seeded acre in the Prairie Provinces, on the basis of conditions at August 15, is 17.3 bushels per acre with Manitoba averaging 22.4, Saskatchewan 15.1 and Alberta 21.1 bushels per acre. Production in each of these provinces in millions of bushels, with last year's estimate in brackets, is as follows: Manitoba, 58.0 (58.0); Saskatchewan, 224.0 (192.0); and Alberta, 109.0 (96.0). 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 15.1 million bushels compared with last year's estimate of 15.9 million. Forecasts of 1959 production in the Prairie Provinces in millions of bushels, with last year's estimates in brackets are Manitoba, 1.6 (1.8); Saskatchewan, 12.6 (12.5); Alberta, 0.9 (1.6).

The decrease in production is attributable to a 9 per cent decrease in acreage which more than offset the increase in average yields from 14.1 bushels in 1958 to 14.8 bushels per acre this season. Yields per acre in 1959, with 1958 figures in brackets are: Manitoba, 20.4 (19.1); Saskatchewan, 14.0 (13.0); Alberta, 23.1 (22.2); and the Prairie Provinces, 14.8 (14.1).

OATS Production of oats in 1959 is forecast at 420.6 million bushels, representing an increase of 5 per cent from last year's total of 401.0 million and an increase of 3 per cent from the ten-year average of 409.7 million. The increase is due to the slightly larger yields and a 3 per cent increase in acreage. The average yield for the 1959 all Canada oat crop is estimated at 36.9 bushels per acre as against 36.3 bushels in 1958. In all provinces except New Brunswick and Ontario, yields are expected to be higher in 1959 than a year earlier.

Production in the Prairie Provinces is currently forecast at 264.0 million bushels in 1959 compared with 240.0 million last year and the ten-year average of 276.7 million. This year's crop in Manitoba, Saskatchewan and Alberta is forecast at 62.0 million, 90.0 million and 112.0 million bushels, respectively. Indicated average yields for the Prairie Provinces and for Canada as a whole are 33.5 bushels and 36.9 bushels per acre respectively, as against 31.6 and 36.3 bushels in 1958.

BARLEY The 1959 barley crop is forecast at 226.5 million bushels, some 8 per cent lower than last year's 244.8 million but 1 per cent above the ten-year average of 224.1 million bushels. The decrease in production this year is due to a 13 per cent decrease in acreage which was only partially offset by an increase in yields of 7 per cent.

Production in the Prairie Provinces is placed at 220.0 million bushels compared with last year's 238.0 million and the ten-year average of 215.2 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, 35.0 (44.0); Saskatchewan, 72.0 (87.0); and Alberta, 113.0 (107.0).

RYE Production of rye, forecast at 8.2 million bushels is 3 per cent above last year's outturn of 8.0 million. The crop is 44 per cent below the ten-year average of 14.5 million bushels. Some 6.9 million bushels of this year's crop is fall rye which averaged 17.0 bushels per acre, while the spring rye crop is forecast at 1.3 million bushels, averaging 12.0 bushels per acre. Production of all rye in the Prairie Provinces is placed at 6.4 million bushels of which 1.7 million is in Manitoba, 3.0 million in Saskatchewan and 1.7 million in Alberta.

OIL SEEDS This year's flaxseed crop, currently forecast at 21.6 million bushels will, if realized, be some 5 per cent lower than last year's outturn of 22.8 million, although seeded acreage declined by 9 per cent. Average yields at 9.0 bushels per acre are 3 per cent greater than in 1958. This year's production in the Prairie Provinces is placed at 21.3 million bushels compared with 22.5 million in 1958 and the ten-year average of 14.0 million. Saskatchewan accounts for 8.5 million bushels of the 1959 crop, while Manitoba and Alberta outturns are forecast at 6.0 and 6.8 million bushels, respectively.

Production of rapeseed is placed at 161.6 million pounds compared with 388.1 million pounds the year previous. Acreage seeded to this crop this year decreased 65 per cent from the 1958 level but average yields at 742 pounds per acre are some 20 per cent above last year's average of 620 pounds. Production of mustard seed is currently forecast at 55.2 million pounds, about 21 per cent smaller than last year's outturn of 70.3 million pounds. Average yields of 689 pounds per acre are some 14 per cent lower than the 1958 average of 805 pounds.

MIXED GRAINS Canada's 1959 crop of mixed grains, grown mainly in eastern Canada, is forecast at 64.4 million bushels compared with last year's 64.6 million and the ten-year average of 63.7 million bushels. Average yields decreased from 45.5 bushels in 1958 to 42.9 bushels per acre in 1959. Yields per acre were lower than a year earlier in Ontario and Saskatchewan. Some 38.3 million bushels of this year's total were grown in Ontario where the average yield of 49.9 bushels per acre was well below last year's record of 55.6 bushels.

TAME HAY Production of tame hay is forecast at 19.6 million tons, 8 per cent above last year's outturn and 6 per cent above the ten-year average. All the provinces except Prince Edward Island, Nova Scotia, New Brunswick and Quebec report higher yields per acre this year compared with 1958. All provinces except Prince Edward Island, Nova Scotia and New Brunswick registered increases in hay production this year.

POTATOES The 1959 potato crop, on the basis of conditions on August 15, is forecast at 33.8 million cwt., 16 per cent below the 1958 crop of 40.3 million cwt. and 14 per cent below the ten-year average of 39.4 million cwt. The decrease from last year is the result of 12 per cent lower yields, and a 5 per cent reduction in acreage. The expected average yield per acre is currently placed at 114.6 cwt. per acre as against 129.6 cwt. in 1958. The indicated average yield in all provinces for 1959 is below that of 1958 except for Nova Scotia, Saskatchewan, Alberta and British Columbia. Estimated production is lower this year in Prince Edward Island, New Brunswick, Quebec and Ontario.

### Summary of August Forecast of Production

Based on conditions on or about August 15, the production of principal grain crops in Canada in 1959 is forecast, in millions of bushels, as follows, with 1958 totals and 1949-58 averages, respectively, within brackets: winter wheat, 11.9 (23.9, 21.9); spring wheat, 393.1 (347.8, 468.5); all wheat, 405.0 (371.7, 490.4); oats for grain, 420.6 (401.0, 409.7); barley, 226.5 (244.8, 224.1); fall rye, 6.9 (6.8, 10.3); spring rye, 1.3 (1.2, 4.2); all rye, 8.2 (8.0, 14.5); and flaxseed, 21.6 (22.8, 14.5). The average yields per acre, in bushels, are forecast as follows, with 1958 and 1949-58 averages, respectively, within brackets: winter wheat, 28.1 (41.2, 33.4); spring wheat, 17.4 (17.1, 19.7); all wheat, 17.6 (17.8, 20.0); oats for grain, 36.9 (36.3, 37.2); barley, 27.3 (25.6, 26.9); fall rye, 17.0 (16.6, 16.2); spring rye, 12.0 (10.9, 13.7); all rye, 15.9 (15.3, 15.5); and flaxseed, 9.0 (8.7, 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 1958 totals and 1949-58 averages, respectively, within brackets: three provinces - wheat, 391.0 (346.0, 465.5); oats for grain, 264.0 (240.0, 276.7); barley, 220.0 (238.0, 215.2); rye, 6.4 (5.4, 12.5); flaxseed, 21.3 (22.5, 14.0). Manitoba - wheat, 58.0 (58.0, 49.4); oats for grain, 62.0 (60.0, 58.8); barley, 35.0 (44.0, 48.6); rye, 1.7 (1.2, 1.4); flaxseed, 6.0 (4.7, 4.2). Saskatchewan - wheat, 224.0 (192.0, 288.1); oats for grain, 90.0 (83.0, 115.7); barley, 72.0 (87.0, 74.9); rye, 3.0 (2.5, 7.5); flaxseed, 8.5 (11.3, 6.8). Alberta - wheat, 109.0 (96.0, 128.0); oats for grain, 112.0 (97.0, 102.2); barley, 113.0 (107.0, 91.7); rye, 1.7 (1.7, 3.6); flaxseed, 6.8 (6.5, 3.0).

August Forecast of the 1959 Production of Principal Field Crops in Canada,  
Compared with Latest Estimates for 1958

Province and Crop	Area		Yield per Acre		Production	
	1958	1959	1958	1959 1/	1958	1959 1/
	- acres -		- bushels -		- bushels -	
<u>CANADA</u>						
Winter wheat	580,000	425,000	41.2	28.1	23,896,000	11,942,000
Spring wheat	20,319,100	22,639,900	17.1 2/	17.4	347,834,000	2/393,071,000
All wheat	20,899,100	23,064,900	17.8 2/	17.6	371,730,000	2/405,013,000
Oats for grain	11,039,200	11,391,300	36.3	36.9	400,951,000	420,615,000
Barley	9,548,000	8,288,600	25.6	27.3	244,764,000	226,520,000
Fall rye	409,900	405,700	16.6	17.0	6,792,000	6,883,000
Spring rye	111,500	110,900	10.9	12.0	1,210,000	1,330,000
All rye	521,400	516,600	15.3	15.9	8,002,000	8,213,000
Mixed grains	1,421,800	1,500,500	45.5	42.9	64,648,000	64,417,000
Flaxseed	2,622,700 2/	2,391,200	8.7	9.0	22,766,000 2/	21,574,000
			- pounds -		- pounds -	
Mustard seed	87,325	80,200	805	689	70,292,000	55,240,000
Rapeseed	626,000 2/	217,800	620 2/	742	388,100,000 2/	161,600,000
			- cwt. -		- cwt. -	
Potatoes	311,000	295,400	129.6 2/	114.6	40,301,000 2/	33,839,000
			- tons -		- tons -	
Tame hay	11,477,000	11,779,000	1.57	1.66	18,029,000	19,561,000
<u>PRINCE EDWARD ISLAND</u>						
			- bushels -		- bushels -	
Spring wheat	3,300	3,500	28.0	28.6	92,000	100,000
Oats for grain	97,000	100,000	47.0	50.0	4,559,000	5,000,000
Barley	800	800	38.0	38.8	30,000	31,000
Mixed grains	50,000	50,000	49.0	51.4	2,450,000	2,570,000
			- cwt. -		- cwt. -	
Potatoes	46,400	42,000	175.0 2/	166.1	8,120,000 2/	6,978,000
			- tons -		- tons -	
Tame hay	212,000	206,000	1.90	1.60	403,000	330,000
			- bushels -		- bushels -	
<u>NOVA SCOTIA</u>						
			- bushels -		- bushels -	
Spring wheat	700	600	28.6	28.3	20,000	17,000
Oats for grain	42,000	39,000	47.0	48.2	1,974,000	1,880,000
Barley	1,500	1,300	35.3	40.0	53,000	52,000
Mixed grains	10,400	11,400	44.6	45.7	464,000	521,000
			- cwt. -		- cwt. -	
Potatoes	10,300	9,500	130.0	143.6	1,339,000	1,364,000
			- tons -		- tons -	
Tame hay	311,000	308,000	2.20	2.03	684,000	625,000
			- bushels -		- bushels -	
<u>NEW BRUNSWICK</u>						
			- bushels -		- bushels -	
Spring wheat	2,400	2,300	26.7	28.3	64,000	65,000
Oats for grain	122,000	125,000	44.0	42.4	5,368,000	5,300,000
Barley	4,300	3,600	37.0	37.5	159,000	135,000
Mixed grains	5,200	6,000	43.8	45.7	228,000	274,000
			- cwt. -		- cwt. -	
Potatoes	46,000	44,600	175.0	150.0	8,050,000	6,690,000
			- tons -		- tons -	
Tame hay	378,000	374,000	1.80	1.68	680,000	627,000

August Forecast of the 1959 Production of Principal Field Crops in Canada,  
Compared with Latest Estimates for 1958

Province and Crop	Area		Yield per Acre		Production	
	1958	1959	1958	1959 1/	1958	1959 1/
<u>QUEBEC</u>						
	- acres -		- bushels -		- bushels -	
Spring wheat	12,700	12,300	23.2	25.0	295,000	308,000
Oats for grain	1,307,000	1,303,000	35.0	37.0	45,745,000	48,211,000
Barley	23,000	20,700	31.6	31.0	727,000	642,000
Fall rye	9,500	7,500	22.8	19.0	217,000	142,000
Mixed grains	181,000	168,000	35.8	37.0	6,480,000	6,216,000
Potatoes	90,600	82,500	103.5	90.0	9,377,000	7,425,000
			- cwt. -		- cwt. -	
Tame hay	3,464,000	3,508,000	1.65	1.64	5,716,000	5,753,000
			- tons -		- tons -	
<u>ONTARIO</u>						
			- bushels -		- bushels -	
Winter wheat	580,000	425,000	41.2	28.1	23,896,000	11,942,000
Spring wheat	15,000	17,300	24.2	22.0	363,000	381,000
All wheat	595,000	442,300	40.8	27.9	24,259,000	12,323,000
Oats for grain	1,799,000	1,853,000	55.2	49.5	99,305,000	91,724,000
Barley	91,000	100,000	45.0	40.6	4,095,000	4,060,000
Fall rye	92,000	73,000	25.6	22.9	2,355,000	1,672,000
Mixed grains	760,000	767,000	55.6	49.9	42,256,000	38,273,000
Flaxseed	11,000	11,500	14.2	12.5	156,000	144,000
Potatoes	56,500	53,000	141.0	105.0	7,967,000	5,565,000
			- cwt. -		- cwt. -	
Tame hay	3,185,000	3,300,000	1.74	1.97	5,542,000	6,501,000
			- tons -		- tons -	
<u>MANITOBA</u>						
			- bushels -		- bushels -	
Spring wheat	2,358,000	2,594,000	24.6 2/	22.4	58,000,000 2/	58,000,000
Oats for grain	1,711,000	1,729,000	35.1	35.9	60,000,000	62,000,000
Barley	1,584,000	1,349,000	27.8	25.9	44,000,000	35,000,000
Fall rye	65,100	75,600	17.2	20.2	1,120,000	1,530,000
Spring rye	6,400	7,400	12.5	17.6	80,000	130,000
All rye	71,500	83,000	16.8	20.0	1,200,000	1,660,000
Mixed grains	111,000	143,000	30.6	32.9	3,400,000	4,700,000
Flaxseed	550,000 2/	626,000	8.6	9.6	4,700,000 2/	6,000,000
			- pounds -		- pounds -	
Mustard seed	325	300	900	800	292,000	240,000
Rapeseed	21,000 2/	16,000	600 2/	750	12,600,000 2/	12,000,000
Potatoes	15,600	16,800	76.9	72.6	1,200,000	1,220,000
			- cwt. -		- cwt. -	
Tame hay	776,000	797,000	1.29	1.68	1,000,000	1,340,000
			- tons -		- tons -	
<u>SASKATCHEWAN</u>						
			- bushels -		- bushels -	
Spring wheat	13,182,000	14,803,000	14.6	15.1	192,000,000	224,000,000
Oats for grain	3,064,000	3,303,000	27.1	27.2	83,000,000	90,000,000
Barley	3,939,000	3,148,000	22.1	22.9	87,000,000	72,000,000
Fall rye	161,000	175,000	9.9	12.0	1,600,000	2,100,000
Spring rye	86,600	78,600	10.4	11.4	900,000	900,000
All rye	247,600	253,600	10.1	11.8	2,500,000	3,000,000
Mixed grains	75,000	80,000	24.0	21.2	1,800,000	1,700,000
Flaxseed	1,496,000	1,162,000	7.6	7.3	11,300,000	8,500,000
			- pounds -		- pounds -	
Rapeseed	535,000 2/	171,000	617 2/	749	330,000,000 2/	128,000,000
Potatoes	15,400	17,400	50.0	55.0	770,000	957,000
			- cwt. -		- cwt. -	
Tame hay	788,000	837,000	0.98	1.09	770,000	910,000
			- tons -		- tons -	

August Forecast of the 1959 Production of Principal Field Crops in Canada,  
Compared with Latest Estimates for 1958

Province and Crop	Area		Yield per Acre		Production	
	1958	1959	1958	1959 1/	1958	1959 1/
	- acres -		- bushels -		- bushels -	
<u>ALBERTA</u>						
Spring wheat	4,704,000	5,160,000	20.4	21.1	96,000,000	109,000,000
Oats for grain	2,809,000	2,850,000	34.5	39.3	97,000,000	112,000,000
Barley	3,846,000	3,610,000	27.8	31.3	107,000,000	113,000,000
Fall rye	81,200	73,400	18.1	19.1	1,470,000	1,400,000
Spring rye	18,500	24,900	12.4	12.0	230,000	300,000
All rye	99,700	98,300	17.1	17.3	1,700,000	1,700,000
Mixed grains	225,000	272,000	32.9	36.8	7,400,000	10,000,000
Flaxseed	556,000	580,000	11.7	11.7	6,500,000	6,800,000
			- pounds -		- pounds -	
Mustard seed	87,000	79,900	805	688	70,000,000	55,000,000
Rapeseed	70,000 2/	30,800	650	700	45,500,000 2/	21,600,000
			- cwt. -		- cwt. -	
Potatoes	18,700	18,800	84.5	87.2	1,580,000	1,640,000
			- tons -		- tons -	
Tame hay	1,996,000	2,075,000	1.25	1.30	2,500,000	2,700,000
			- bushels -		- bushels -	
<u>BRITISH COLUMBIA</u>						
Spring wheat	41,000	46,900	24.4	25.6	1,000,000	1,200,000
Oats for grain	88,200	89,300	45.4	50.4	4,000,000	4,500,000
Barley	58,400	55,200	29.1	29.0	1,700,000	1,600,000
Fall rye	1,100	1,200	27.3	32.5	30,000	39,000
Mixed grains	4,200	3,100	40.5	52.6	170,000	163,000
Flaxseed	9,700	11,700	11.3	11.1	110,000	130,000
			- cwt. -		- cwt. -	
Potatoes	11,500	10,800	165.0	185.2	1,898,000	2,000,000
			- tons -		- tons -	
Tame hay	367,000	374,000	2.00	2.07	734,000	775,000

August Forecast of the 1959 Production of Principal Field Crops in the  
Prairie Provinces, Compared with Latest Estimates for 1958

Crop	Area		Yield per Acre		Production	
	1958	1959	1958	1959 1/	1958	1959 1/
	- acres -		- bushels -		- bushels -	
Wheat	20,244,000	22,557,000	17.1 2/	17.3	346,000,000 2/	391,000,000
Oats	7,584,000	7,882,000	31.6	33.5	240,000,000	264,000,000
Barley	9,369,000	8,107,000	25.4	27.1	238,000,000	220,000,000
Rye	418,800	434,900	12.9	14.6	5,400,000	6,360,000
Flaxseed	2,602,000 2/	2,368,000	8.6 2/	9.0	22,500,000 2/	21,300,000

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

2/ Revised.

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