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5, 1969

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Minister of Trade and Commerce

Price: \$4.00 for series of 20 Crop Reports

Field Crop Reporting Series - No. 17AUGUST FORECAST OF PRODUCTION OF PRINCIPAL FIELD CROPS, CANADA, 1969

On the basis of yields indicated at August 15, production of the major cereals and oilseed crops this year, with 1968 totals and the ten-year (1958-67) averages, respectively, in brackets, in millions of bushels is forecast as follows: all wheat, 678.1 (649.8, 560.4); oats for grain, 386.4 (362.5, 373.7); barley, 389.2 (325.4, 208.3); all rye, 16.9 (13.0, 11.8) and flaxseed, 32.8 (19.7, 19.5). The outturn of rapeseed is forecast at 37.6 million bushels compared with the revised 19.4 million in 1968 and the ten-year (1958-67) average of 13.4 million bushels.

Harvesting of above average cereal and oilseed crops in the Prairie Provinces is proceeding rapidly under near ideal weather conditions. A high proportion of all crops has been swathed and combining is now complete in some southern districts of Alberta and Saskatchewan. Samples from early threshed grain indicate some shrinkage due to high temperatures prior to harvest but good bushel weights are generally being obtained and quality is generally good. In many localities near record yields are being harvested or are in prospect, owing to timely rains and moderate temperatures during the head filling stage of plant development.

At August 15 the date on which this report is based, swathing was getting underway in the south and central districts of the Prairies and threshing of fall rye was well advanced. Although there had been a two week delay in the early development of this year's crop due to a cool spring, frosts and dry conditions during June generous amounts of moisture in July and early August, followed by hot weather promoted optimum development and rapid maturity of all crops. Given continued good weather early completion of harvesting is anticipated.

Crop yields in Quebec and Ontario were generally near normal and better than anticipated earlier. Late season crops which benefited from ample moisture and warm temperatures are expected to produce good yields. Excessive moisture and cool temperatures early in the season particularly in southern Ontario slowed crop growth. However, warmer weather during the latter part of July and August improved yields.

In the Maritime provinces weather conditions throughout the season favoured crop development and most crop outturns were good. Conditions throughout British Columbia were varied and dryness in some regions particularly in the Peace River Block resulted in lower yields of major cereals although outturns for other crops were good.

Note: Excluding Newfoundland for which data are not available.

Crops Section,
Agriculture Division.

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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 1 crop report with the exception of oats in the Prairie Provinces. This report contains estimates of the area of oats to be harvested for grain.

Wheat. — Canada's 1969 wheat crop, currently forecast at 678.1 million bushels is 4 per cent larger than last year's 649.8 million, and 21 per cent above the ten-year (1958-67) average of 560.4 million in spite of the decrease in acreage of 15 per cent, from the 1968 seeded area. Average yields increased from 22.1 bushels in 1968 to a next to record 27.2 bushels per acre this year, and are above the 1958-67 average of 20.9 bushels per acre.

The 1969 crop of spring wheat, forecast at 663.4 million bushels is being harvested from a seeded area of 24.6 million acres and yielding an indicated 27.0 bushels per acre. The 1968 spring wheat crop of 634.9 million bushels was produced on 29.1 million acres and yielded an average of 21.8 bushels per acre. The 1969 yield for Ontario's winter wheat crop is placed at 40.7 bushels per acre as compared with 42.0 bushels in 1968. In spite of a one per cent increase in harvested acreage this year's production at 14.7 million bushels is below the 14.9 million in 1968.

In the Prairie Provinces, the 1969 wheat crop is forecast at 658.0 million bushels some 5 per cent above last year's crop of 629.0 million and 22 per cent above the ten-year (1958-67) average of 540.0 million. The forecasted average yield per seeded acre in the Prairie Provinces, on the basis of conditions at August 15, is 27.0 bushels per acre, with the Manitoba average 27.2 Saskatchewan 26.9 and Alberta 27.0 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 (91.0) Saskatchewan, 447.0 (372.0) and Alberta, 143.0 (166.0). 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 a record 85.6 million bushels compared with last year's revised estimate of 45.4 million. Forecasts of 1969 production in each of the Prairie Provinces in millions of bushels, with last year's estimates in brackets are: Manitoba, 4.1 (2.9) Saskatchewan, 70.0 (35.0) and Alberta, 11.5 (7.5). The acreage seeded to this crop was 33 per cent larger than in 1968. Yields per acre in 1969 with 1968 figures in brackets are: Manitoba, 24.1 (22.3) Saskatchewan a record 26.9 (17.5) Alberta, 29.9 (31.2) and the Prairie Provinces a record 27.1 (19.2).

Oats for Grain. — Production of oats in 1969 forecast at 386.4 million bushels, represents an increase of 7 per cent from last year's total of 362.5 million and an increase from the ten-year (1958-67) average of 373.7 million. The average yield for the 1969 Canada oat crop is estimated at 49.2 bushels per acre compared with last year's 48.0 bushels.

Production of oats in the Prairie Provinces is currently forecast at 287.0 million bushels in 1969 compared with 249.0 million last year and the ten-year (1958-67) average of 230.7 million.

This year's crop in Manitoba, Saskatchewan and Alberta is forecast at 77.0 million, 105.0 million and 105.0 million bushels, respectively. Indicated average yields for the Prairie Provinces are 49.2 bushels per acre as against 46.6 bushels per acre in 1968. 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 1958-67 average respectively, in brackets, are estimated as follows: Manitoba, 94 (94, 88) Saskatchewan, 84 (82, 74) Alberta, 82 (78, 77) and the Prairie Provinces, 86 (84, 79).

Barley The 1969 barley crop is forecast at a record 389.2 million bushels, some 20 per cent higher than last year's 325.4 million and 87 per cent above the ten-year average of 208.3 million bushels. The average yield for the 1969 barley crop is estimated at a record 40.8 bushels per acre compared with 36.8 bushels in 1968.

Barley production in the Prairie Provinces is placed at 365.0 million bushels compared with last year's 301.0 million and the ten-year (1958-67) average of 197.6 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, 46.0 (43.0) Saskatchewan, a record 108.0 (80.0) and Alberta, a record 211.0 (178.0).

Rye Production of rye, forecast at 16.9 million bushels is 30 per cent above last year's outturn of 13.0 and well above the ten-year (1958-67) average of 11.8 million bushels. Some 14.9 million bushels of this year's crop is fall rye which averaged 18.1 bushels per acre, while the spring rye crop is forecast at 2.1 million bushels, averaging 19.5 bushels per acre. Production of all rye in the Prairie Provinces is placed at 15.1 million bushels of which 3.4 million are in Manitoba, 8.1 in Saskatchewan and 3.6 in Alberta.

Oil Seeds This year's flaxseed crop currently forecast at a record 32.8 million bushels will be some 67 per cent higher than last year's revised outturn of 19.7 million. Seeded acreage increased by 60 per cent and average yields at 13.4 bushels per acre are 4 per cent up from 1968. This year's production in the Prairie Provinces is placed at 32.5 million bushels compared with the revised 19.3 million in 1968 and the ten-year (1958-67) average of 18.9 million. Manitoba accounts for 12.4 million bushels of the 1969 crop while Saskatchewan and Alberta are expected to produce 11.6 and 8.5 million bushels, respectively. Production of rapeseed is placed at a record 37.6 million bushels in 1969 as compared with the revised 19.4 million bushels produced in 1968. Acreage seeded this year increased 91 per cent from the 1968 level and average yields at a record 18.7 bushels per acre are some 2 per cent above last year's revised average of 18.4 bushels.

Mixed Grains Canada's 1969 crop of mixed grains is forecast at a record 88.9 million bushels compared with last year's 85.6 million and the ten-year (1958-67) average of 70.0 million bushels. Average yields decreased from 51.4 bushels in 1968 to 51.1 bushels per acre in 1969. Some 50.0 million bushels of this year's total crop were grown in Ontario.

Tame Hay Production of tame hay is forecast at 24.3 million tons, 5 per cent above last year's outturn of 23.0 million tons. Increases in production were registered in Quebec and the three Prairie Provinces.

Potatoes The 1969 potato crop on the basis of conditions at August 15, is forecast at 47.5 million cwt., 10 per cent below the revised 1968 crop of 52.9 million cwt. but 6 per cent above the ten-year (1958-67) average of 45.0 million cwt. The

decrease in 1969 from last year, results from an 11 per cent decrease in yield. The expected average yield per acre is currently forecast at 154.9 cwt. as against the revised 174.4 cwt. in 1968. It should be noted that final yields can differ considerably from the early forecast depending on how the potatoes size during the latter part of August and September.

SUMMARY OF AUGUST FORECAST OF PRODUCTION

Based on conditions on or about August 15, the production of principal grain crops in Canada in 1969 is forecast, in millions of bushels, as follows, with 1968 totals and 1958-1967 averages, respectively, within brackets: winter wheat 14.7 (14.9, 16.9); spring wheat, 663.4 (634.9, 543.5); all wheat, 678.1 (649.8, 560.4); oats for grain, 386.4 (362.5, 373.7); barley 389.2 (325.4, 208.3); fall rye, 14.9 (11.6, 10.4); spring rye, 2.1 (1.5, 1.4); all rye 16.9 (13.0, 11.8); flaxseed 32.8 (19.7, 19.5); and rapeseed, 37.6 (19.4, 13.4). The average yields per acre, in bushels, are forecast as follows, with 1968 and 1958-1967 averages respectively, within brackets: winter wheat, 40.7 (42.0, 37.4); spring wheat, 27.0 (21.8, 20.6); all wheat, 27.2 (22.1, 20.9) oats for grain, 49.2 (48.0, 42.4); barley, 40.8 (36.8, 30.5); fall rye, 18.1 (19.6, 19.3) spring rye, 19.5 (16.6, 13.8); all rye, 18.2 (19.2, 18.4); flaxseed, 13.4 (12.9, 9.9); and rapeseed, 18.7 (18.4, 15.7).

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 1968 totals and 1958-1967 averages, respectively within brackets: three provinces - wheat 658.0 (629.0, 540.0); oats for grain, 287.0 (249.0, 230.7); barley 365.0 (301.0, 197.6); rye, 15.1 (11.4, 10.2); flaxseed, 32.5 (19.3, 18.9); rapeseed 37.6 (19.4, 13.4); Manitoba - wheat, 68.0 (91.0, 69.7); oats for grain, 77.0 (81.0, 60.8); barley, 46.0 (43.0, 24.6); rye, 3.4 (2.5, 2.1); flaxseed, 12.4 (10.4, 8.0); rapeseed, 3.6 (1.9, 1.1); Saskatchewan - wheat, 447.0 (372.0, 340.1); oats for grain, 105.0 (74.0, 74.2); barley, 108.0 (80.0, 62.6); rye, 8.1 (6.5, 5.1); flaxseed, 11.6 (4.6, 6.3); rapeseed, 20.0 (10.3, 6.9); Alberta - wheat, 143.0 (166.0, 130.2); oats for grain, 105.0 (94.0, 95.7); barley, 211.0 (178.0, 110.4) rye, 3.6 (2.4, 3.0); flaxseed, 8.5 (4.3, 4.6); rapeseed, 14.0 (7.2, 5.5).

August Forecast of the 1969 Production of Principal Field Crops in Canada, Compared with Latest Estimates for 1968

Province and crop	Area		Yield per acre		Production	
	1968	1969	1968	1969(1)	1968	1969(1)
<u>CANADA</u>	acres				bushels	
Winter wheat	355,000	360,000	42.0	40.7	14,910,000	14,652,000
Spring wheat(2) ..	29,067,500	24,607,700	21.8	27.0	634,934,000	663,447,000
All wheat	29,422,500	24,967,700	22.1	27.2	649,844,000	678,099,000
Oats for grain ..	7,555,900	7,855,000	48.0	49.2	362,516,000	386,382,000
Barley	8,836,500	9,535,100	36.8	40.8	325,373,000	389,230,000
Fall rye	590,600	821,300	19.6	18.1	11,589,000	14,855,000
Spring rye	88,000	106,000	16.6	19.5	1,460,000	2,062,000
All rye	678,600	927,300	19.2	18.2	13,049,000	16,917,000
Flaxseed	1,524,400	2,440,700	12.9 ^F	13.4	19,666,000 ^F	32,796,000
Mixed grains	1,667,000	1,740,300	51.4	51.1	85,602,000	88,913,000
Rapeseed	1,052,000	2,012,000	18.4 ^F	18.7	19,400,000 ^F	37,600,000
					cwt.	
Potatoes	303,300	306,300	174.4 ^F	154.9	52,883,000 ^F	47,456,000
					tons	
Tame hay	12,438,000	12,606,000	1.85	1.93	23,034,000	24,289,000
<u>PRINCE EDWARD ISLAND</u>					bushels	
Spring wheat	2,000	2,500	37.0	36.9	74,000	92,000
Oats for grain ..	78,000	71,000	55.0	55.0	4,290,000	3,905,000
Barley	16,000	20,000	55.4	50.0	886,000	1,000,000
Mixed grains	53,000	60,000	57.8	55.0	3,063,000	3,300,000
					cwt.	
Potatoes	53,000	53,000	208.8 ^F	188.0	11,066,000 ^F	9,964,000
					tons	
Tame hay	184,000	175,000	2.05	1.97	377,000	345,000
<u>NOVA SCOTIA</u>					bushels	
Spring wheat	2,000	3,200	41.0	46.0	82,000	147,000
Oats for grain ..	25,000	24,000	47.8	54.5	1,195,000	1,308,000
Barley	5,000	6,500	45.4	50.0	227,000	325,000
Mixed grains	12,700	12,500	49.8	54.8	633,000	685,000
					cwt.	
Potatoes	5,100	4,400	120.0	144.3	612,000	635,000
					tons	
Tame hay	214,000	207,000	1.90	1.84	407,000	381,000
<u>NEW BRUNSWICK</u>					bushels	
Spring wheat	4,500	3,700	33.1	38.4	149,000	142,000
Oats for grain ..	67,000	69,000	44.3	50.4	2,968,000	3,478,000
Barley	7,500	10,000	46.0	45.1	345,000	451,000
Mixed grains	7,800	8,500	44.5	48.5	347,000	412,000
					cwt.	
Potatoes	61,000	62,000	226.0 ^F	184.1	13,785,000 ^F	11,414,000
					tons	
Tame hay	236,000	229,000	1.97	1.69	465,000	387,000

For footnotes see page 8.

August Forecast of the 1969 Production of Principal Field Crops in Canada, Compared with Latest Estimates for 1968 - continued

Province and Crop	Area		Yield per acre		Production	
	1968	1969	1968	1969(1)	1968	1969(1)
	acres				bushels	
QUEBEC						
Spring wheat	30,000	29,000	27.7	27.8	831,000	806,000
Oats for grain ..	984,000	975,000	42.6	43.7	41,918,000	42,608,000
Barley	18,000	23,600	38.6	40.1	695,000	946,000
Fall rye	4,200	4,500	24.7	24.2	104,000	109,000
Flaxseed	15,600	16,800	16.4	14.3	256,000	240,000
Mixed grains	87,800	93,800	43.4	43.8	3,811,000	4,108,000
Potatoes	70,000	68,000	138.8	121.5	cwt. 9,716,000	8,262,000
Tame hay	3,345,000	3,300,000	1.97	2.17	tons 6,590,000	7,161,000
ONTARIO						
					bushels	
Winter wheat	355,000	360,000	42.0	40.7	14,910,000	14,652,000
Spring wheat	11,000	9,300	27.1	28.0	298,000	260,000
All wheat	366,000	369,300	41.6	40.4	15,208,000	14,912,000
Oats for grain ..	984,000	810,000	59.7	54.3	58,745,000	43,983,000
Barley	300,000	315,000	54.4	50.5	16,320,000	15,908,000
Fall rye	52,000	60,000	27.6	27.0	1,435,000	1,620,000
Flaxseed	6,000	3,000	16.8	15.0	101,000	45,000
Mixed grains	825,000	855,000	61.6	58.5	50,820,000	50,018,000
Potatoes	45,000	45,500	191.2	157.5	cwt. 8,604,000	7,166,000
Tame hay	3,250,000	3,150,000	2.46	2.53	tons 7,995,000	7,970,000
MANITOBA						
					bushels	
Spring wheat(2)	3,400,000	2,500,000	26.8	27.2	91,000,000	68,000,000
Oats for grain(3)	1,580,000	1,600,000	51.3	48.1	81,000,000	77,000,000
Barley	1,170,000	1,200,000	36.8	38.3	43,000,000	46,000,000
Fall rye	119,000	180,000	20.8	18.3	2,480,000	3,300,000
Spring rye	1,000	3,000	20.0	20.7	20,000	62,000
All rye	120,000	183,000	20.8	18.4	2,500,000	3,362,000
Flaxseed	820,000	1,100,000	12.7 ^r	11.3	10,400,000 ^r	12,400,000
Mixed grains	178,000	190,000	43.3	42.1	7,700,000	8,000,000
Rapeseed	91,000	196,000	20.9 ^r	18.4	1,900,000 ^r	3,600,000
Potatoes	26,500	29,000	113.2	120.7	cwt. 3,000,000	3,500,000
Tame hay	940,000	1,000,000	1.70	1.80	tons 1,600,000	1,800,000
SASKATCHEWAN						
					bushels	
Spring wheat(2)	19,000,000	16,600,000	19.6	26.9	372,000,000	447,000,000
Oats for grain(3)	1,800,000	2,100,000	41.1	50.0	74,000,000	105,000,000
Barley	2,510,000	2,700,000	31.9	40.0	80,000,000	108,000,000
Fall rye	328,000	440,000	17.1	16.1	5,600,000	7,100,000
Spring rye	57,000	56,000	15.8	17.9	900,000	1,000,000

For footnotes see page 8.

August Forecast of the 1969 Production of Principal Field Crops in Canada, Compared with Latest Estimates for 1968 - continued

Province and crop	Area		Yield per acre		Production	
	1968	1969	1968	1969(1)	1968	1969(1)
	acres				bushels	
SASKATCHEWAN-CONC.						
All rye	385,000	496,000	16.9	16.3	6,500,000	8,100,000
Flaxseed.....	397,000	770,000	11.6 ^r	15.1	4,600,000 ^r	11,600,000
Mixed grains	138,000	135,000	34.1	42.2	4,700,000	5,700,000
Rapeseed	511,000	1,000,000	20.2	20.0	10,300,000	20,000,000
					cwt.	
Potatoes	7,500	7,200	93.3	85.4	700,000	615,000
					tons	
Tame hay	1,100,000	1,200,000	1.18	1.31	1,300,000	1,575,000
					bushels	
Spring wheat(2) ...	6,460,000	5,300,000	25.7	27.0	166,000,000	143,000,000
Oats for grain(3) .	1,960,000	2,130,000	48.0	49.3	94,000,000	105,000,000
Barley	4,650,000	5,100,000	38.3	41.4	178,000,000	211,000,000
Fall rye	84,000	133,000	22.1	19.5	1,860,000	2,600,000
Spring rye	30,000	47,000	18.0	21.3	540,000	1,000,000
All rye	114,000	180,000	21.1	20.0	2,400,000	3,600,000
Flaxseed	285,000	550,000	15.1	15.5	4,300,000	8,500,000
Mixed grains	360,000	380,000	39.7	43.2	14,300,000	16,400,000
Rapeseed	450,000	816,000	16.0 ^r	17.2	7,200,000 ^r	14,000,000
					cwt.	
Potatoes	24 400	27,000	135.2	140.7	3,300,000	3,800,000
					tons	
Tame hay	2,740,000	2,900,000	1.17	1.24	3,200,000	3,600,000
					bushels	
Spring wheat	158,000	160,000	28.5	25.0	4,500,000	4,000,000
Oats for grain	77,900	76,000	56.5	53.9	4,400,000	4,100,000
Barley	160,000	160,000	36.9	35.0	5,900,000	5,600,000
Fall rye	3,400	3,800	32.5	33.2	110,000	126,000
Flaxseed	800	900	11.1	12.7	9,000	11,000
Mixed grains	4,700	5,500	48.6	52.7	228,000	290,000
					cwt.	
Potatoes	10,800	10,200	194.4	205.9	2,100,000	2,100,000
					tons	
Tame hay	429,000	445,000	2.56	2.40	1,100,000	1,070,000

For footnotes see page 8.

August Forecast of the 1969 Production of Principal Field Crops in the
Prairie Provinces, Compared with Latest Estimates for 1968

Crop	Area		Yield per acre		Production	
	1968	1969	1968	1969(1)	1968	1969(1)
	acres				bushels	
Wheat(2)	28,860,000	24,400,000	21.8	27.0	629,000,000	658,000,000
Oats(3)	5,340,000	5,830,000	46.6	49.2	249,000,000	287,000,000
Barley	8,330,000	9,000,000	36.1	40.6	301,000,000	365,000,000
Rye	619,000	859,000	18.4	17.5	11,400,000	15,062,000
Flaxseed	1,502,000	2,420,000	12.8 ^r	13.4	19,300,000 ^r	32,500,000
Rapeseed	1,052,000	2,012,000	18.4 ^r	18.7	19,400,000 ^r	37,600,000

August Forecast of the 1969 Production of Durum Wheat in the Prairie Provinces
Compared with Latest Estimate for 1968

Province	Area		Yield per acre		Production	
	1968	1969	1968	1969(1)	1968	1969(1)
	acres				bushels	
Manitoba	130,000	170,000	22.3	24.1	2,900,000	4,100,000
Saskatchewan	2,000,000	2,600,000	17.5	26.9	35,000,000	70,000,000
Alberta	240,000	384,000	31.2 ^r	29.9	7,500,000 ^r	11,500,000
Total	2,370,000	3,154,000	19.2 ^r	27.1	45,400,000 ^r	85,600,000

^r Revised figures.

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

(2) Includes durum wheat.

(3) Estimated areas for harvest as oats.