22-002 no. 8 1963 c. 3

OGUE No.

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November 6, 1963 3 p.m.

5502-508.20

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

Crop Reporting Series - No. 20

NOVEMBER ESTIMATE OF PRODUCTION OF PRINCIPAL FIELD CROPS, CANADA, 1963

On the basis of yields indicated at October 15, production of the five major grains this year, with the 1962 totals and the ten-year 1952-61 averages, respectively, in brackets, in millions of bushels, is as follows: all wheat, 723.4 (565.6, 479.8); oats, 453.1 (493.6, 374.8); barley, 220.7 (165.9, 222.5); all rye, 12.8 (12.0, 12.9); and flaxseed, 21.2 (16.0, 18.2). Of the twenty-one crops in this report, average yields per acre of thirteen crops are higher and eight lower this year than last year. Estimated production in 1963 is larger than a year earlier for sixteen of the twenty-one crops. New production records were established in 1963 for all wheat, mustard seed, sunflower seed and tame hay. Average yields per acre of oats for grain, mixed grains and sugar beets established new records this season.

The index of field crop production for Canada in 1963 reached a record of 176.3 (1949 = 100), well above the 1962 level of 154.9 and exceeding the previous record of 172.0 established in 1952. On a provincial basis, Saskatchewan experienced the best crop outturn in history and the index stands at 250.3 compared with 181.7 a year ago and in sharp contrast to output from the drought-stricken 1961 crop when the index dropped to 74.2. The previous record was 236.2 established in 1952. The index of field crop production in Alberta is placed at 205.7, well above the 1962 level of 172.7 and only slightly below the 1952 record of 206.8. This is quite a remarkable achievement when viewed in the light of early season drought in large areas of the southern part of the province, and severe drought in the latter part of the growing season in the Peace River area. Large areas in southern Manitoba suffered from unfavourable conditions, including excessive rain early in the season and hot weather and widespread leaf rust infection when the crop was maturing, and the index of field crop production receded from the 1962 record level of 159.1 to 131.5 this season. The drought in the Peace River Block of British Columbia this year was of sufficient intensity to reduce the index for that province to 104.8 compared with 125.1 a year ago.

Changes in the index in Eastern Canada were considerably smaller than those registered in Western Canada. In Ontario, the index advanced slightly to 133.5 compared with 132.9 the previous year while in Quebec a decline from 130.9 in 1962 to 122.7 in 1963 occurred. In both of these provinces, this season's feed grain output was well below that of 1962. The index in the Maritimes showed little change with Prince Edward Island and Nova Scotia registering increases and New Brunswick a decrease in 1963 compared with the year previous.

The harvest weather was exceptionally fine in the Prairie Provinces this fall and the bulk of the crop had been taken off by October 15 with the main exception being some late fields of flaxseed, particularly in Manitoba. However, weather conditions have remained favourable since that date, and most of the late crops have now been harvested. No unusual harvesting problems were experienced in other parts of Canada and the bulk of the crop was taken off in good condition.

Note: Excluding Newfoundland for which data are not available.

Prepared in the Crops Section, Agriculture Division
ROGER DUNAMEL, F.R.S.C., Queen's Printer and Controller of Stationery, Ottawa, 1963

Estimates of average yields in this report are based on returns from the Dominion Bureau of Statistics' crop correspondents reporting on conditions at October 15 and on information supplied by processing companies and by officials responsible for agricultural statistics in each of the provinces. Estimates of acreage seeded to the various crops, with certain exceptions, are those obtained from the annual June survey and published in the August 7 crop report, and include all revisions to date. The latest estimates of acreage, yield and production for 1962 are included in the tables for comparison. Yields are reported on a field-run basis and no allowance is made for dockage which varies from year and for different crops.

In addition to the estimates of 1963 yields and production, this report also includes estimates of the area and condition of winter wheat and fall rye seeded in 1963, the estimated proportion of land prepared for the 1964 crop, and maps showing the estimated average wheat yields in 1962 and 1963 in the Prairie Provinces by crop districts. While the November estimate of production is the last made during the current reporting season, it should not be considered final. Subsequent information, especially for those crops for which fairly accurate disposition data are available later in the season, may necessitate revision in the estimates for individual crops. Such revisions are incorporated as soon as available in the various reports in this series and eventually in other relevant publications.

ALL WHEAT Canada's 1963 wheat crcp now estimated at an all-time record of 723.4 million bushels is 28 per cent above last year's estimate of 565.6 million and 51 per cent above the ten-year average of 479.8 million bushels. The increase in production compared with last year is due to a 24 per cent increase in yields and a 3 per cent increase in seeded acreage. The average yield at 26.2 bushels per acre is 32 per cent above the teneral (1952-61) average of 19.9 bushels per acre. This year's all Canada crop of spring theat, including durum, is estimated at 705.7 million bushels compared with the 1962 crop of 549.8 million and the ten-year average of 459.3 million bushels. Ontario's winter theat crop is estimated at 17.7 million bushels, an increase of 12 per cent from last ear's crop of 15.8 million.

In the Prairie Provinces the 1963 wheat crop is now placed at a record 703.0 illion bushels, some 157.0 million bushels or 29 per cent above the 1962 crop. Wheat utturns in Manitoba were the same as indicated at mid-September, while an increase from he September estimate was registered in Saskatchewan and Alberta. Manitoba production s estimated at 61.0 million bushels compared with 80.0 million last year. Production in askatchewan, accounts for 68 per cent of this year's all Canada wheat crop and is stimated at a record 493.0 million bushels, some 39 per cent more than last year's outturn f 354.0 million. The Alberta crop, estimated at 149.0 million bushels, is up 33 per cent rom last year's production of 112.0 million. The indicated average yield per seeded acre at the Prairie Provinces is 26.0 bushels, with Manitoba averaging 19.3; Saskatchewan, 27.5; and Alberta, 25.1 bushels per acre. Current estimates of production in the Prairie rovinces include relatively small quantities of winter wheat principally in Alberta, and estimated 53.4 million bushels of durum wheat.

Durum Wheat The acreage in durum wheat in the Prairie Provinces in 1963 was 37 er cent smaller than that seeded in 1962, but average yields estimated at 24.6 bushels er acre, are 28 per cent above the 1962 outturn of 19.2 bushels. Mid-October indications re for a crop of 53.4 million bushels compared with the 1962 crop of 65.9 million. Stimated production by provinces, in millions of bushels, is as follows: Manitoba, 2.4; skatchewan, 46.0; and Alberta, 5.0.

OATS FOR GRAIN Production of cats for grain in 1963 is estimated at 453.1 million ishels, 8 per cent below last year's 493.6 million but 21 per cent above the 1952-61 verage of 374.8 million. Production in the Prairie Provinces is estimated at 304.0 llion bushels compared with 322.0 million in 1962 and the ten-year average of 237.2 llion. This year's production in Manitoba is 62.0 million bushels in contrast to the 62 crop of 89.0 million and the ten-year average of 52.0 million bushels. In Saskatchewan

the estimated production of 118.0 million bushels is 7 per cent larger than the 1962 output of 110.0 million and 32 per cent above the ten-year (1952-61) average of 89.6 million bushels. The Alberta crop of 124.0 million bushels is one per cent larger than last year's crop of 123.0 million and 30 per cent larger than the ten-year (1952-61) average of 95.6 million. Yields of cats in Ontario are estimated at 52.2 bushels per acre and production is expected to amount to 91.7 million bushels. The indicated average yield for Canada as a whole is 47.8 bushels per acre compared with 46.6 in 1962 and the ten-year average of 33.2 bushels.

BARLEY The 1963 barley crop is estimated at 220.7 million bushels, 33 per cent above last year's 165.9 million but one per cent below the 1952-61 average of 222.5 million. Production in the Prairie Provinces is estimated at 213.0 million bushels compared with 158.0 million in 1962 and the ten-year average of 214.7 million bushels. This year's production in Manitoba, Saskatchewan and Alberta is estimated at 16.0 million, 78.0 million, and 119.0 million bushels, respectively. The estimated average yield for the Prairie Provinces at 36.0 bushels per acre is 16 per cent higher than the 1962 average of 31.0 bushels and 35 per cent higher than the ten-year average of 26.6 bushels. The indicated average yield for Canada as a whole is 35.8 bushels per acre, compared with 31.4 bushels in 1962 and the ten-year average of 26.8 bushels per acre.

RYE The combined production of falland spring tye is now estimated at 12.8 million bushels, some 7 per cent above the 1962 crop of 12.0 million but one per cent below the ten-year average of 12.9 million bushels. Average yields, estimated at 19.7 bushels per acre, are 2 per cent above the 1962 average of 19.3 bushels and 19 per cent above the ten-year average of 16.5 bushels per acre.

OILSEED CROPS The 1963 flaxseed crop, now estimated at 21.2 million bushels is 32 per cent above last year's outturn of 16.0 million and 16 per cent above the 1952-61 average of 18.2 million bushels. Acreage sown to this crop increased 17 per cent this year and average yields at 12.6 bushels per acre are 14 per cent above last year's 11.1 bushels.

Rapeseed production in 1963 is estimated at 44.3.0 million pounds compared with 293.0 million last year and the ten-year average of 256.1 million pounds. Acreage seeded to this crop was about 30 per cent larger than in 1962 and average yields of 916 pounds per acre, the second highest on record, are some 16 per cent higher than the 1962 outturn of 789 pounds.

Production of <u>soybeans</u> currently estimated at 5.0 million bushels is 24 per cent smaller than last year's 6.6 million. The average yield per acre is estimated at 21.9 bushels compared with 29.9 bushels last year and the ten-year average of 24.5 bushels per acre. Dry weather in Ontario during the growing season reduced yields of this crop sharply in 1963.

The area sown to <u>sunflowers</u> is placed at 38,000 acres, up from the 23,000 acres planted in 1962. The indicated yield at 948 pounds per acre is 26 per cent higher than the 1962 average of 755 pounds. Indicated total production is a record of 36.0 million pounds, much above last year's crop of 17.4 million and about double the ten-year average of 17.7 million pounds. In Manitoba 33,000 acres were grown and yields are estimated at 950 pounds per acre while in Alberta, where 1,500 acres were planted, an average yield of 1,025 pounds per acre is reported. Commercial acreage is reported for the first year in Saskatchewan where 3,500 acres were sown and yields are expected to reach 900 pounds per acre.

The area in <u>mustard seed</u> at 155,000 acres in 1963 is up 50 per cent from the 1962 area of 103,000 acres, and average yields at 893 pounds per acre are 59 per cent above those of last year. Total production is expected to amount to a record 138.4 million pounds, 140 per cent above the 57.7 million produced in 1962.

SUMMARY COMPARISONS OF PRODUCTION

ALL CANADA

Based on conditions on or about October 15, the production of principal grain crops in Canada is estimated, in millions of bushels, as follows, with 1962 totals and 1952-61 averages, respectively, within brackets: winter wheat, 17.7 (15.8, 20.5); spring wheat, 705.7 (549.8, 459.3); all wheat, 723.4 (565.6, 479.8); oats for grain, 453.1 (493.6, 374.8); barley, 220.7 (165.9, 222.5); fall rye, 11.0 (10.8, 9.7); spring rye, 1.8 (1.3, 3.2); all rye, 12.8 (12.0, 12.9); flaxseed, 21.2 (16.0, 18.2); mixed grains, 68.0 (72.2, 63.8); corn for grain, 32.8 (32.0, 27.8); buckwheat, 1.2 (1.1, 2.3); dry peas, 1.0 (0.8, 1.2); dry beans, 1.5 (1.4, 1.2); and soybeans, 5.0 (6.6, 5.7). Average yields per acre, in bushels, are estimated as follows, with the 1962 figures within brackets: all wheat, 26.2 (21.1); oats for grain, 47.8 (46.6); barley, 35.8 (31.4); all rye, 19.7 (19.3); flaxseed, 12.6 (11.1); mixed grains, 48.2 (47.4); corn for grain, 65.5 (76.0); buckwheat, 23.5 (24.8); dry peas, 19.5 (16.6); dry beans, 21.7 (21.8); and soybeans, 21.9 (29.9).

The estimated production of root and fodder crops in 1963, with 1962 totals and 1952-61 averages respectively, within brackets, are as follows: potatoes, 45.4 (47.0, 39.9) million cwt.; tame hay, 23.0 (22.5, 19.9) million tons; fodder corn, 4.5 (4.4, 3.6) million tons; field roots, 275 (282, 395) thousand tons; and sugar beets, 1,317 (1,106, 1,062) thousand tons. The average yields per acre are as follows, with last year's figures within brackets: potatoes, 159.0 (163.0) cwt.; tame hay, 1.86 (1.82) tons; fodder corn, 11.29 (12.01) tons; field roots, 10.54 (10.68) tons; and sugar beets, 13.83 (13.06) tons.

PRAIRIE PROVINCES

Production of the five principal grain crops in the Prairie Provinces, in millions of bushels, is now estimated as follows, with the 1962 totals and 1952-61 averages, respectively, within brackets: three provinces - wheat, 703.0 (546.0, 456.6); oats for grain, 304.0 (322.0, 237.2); barley, 213.0 (158.0, 214.7); all rye, 11.2 (10.4, 11.1); flaxseed, 20.3 (15.3, 17.8). Manitoba - wheat, 61.0 (80.0, 50.4); oats for grain, 62.0 (89.0, 52.0); barley, 16.0 (21.0, 40.1); all rye, 2.4 (3.0, 1.5); flaxseed, 9.3 (7.8, 4.8). Saskatchewan - wheat, 493.0 (354.0, 284.3); oats for grain, 118.0 (110.0, 89.6); barley, 78.0 (48.0, 75.2); all rye, 5.6 (5.0, 6.3); flaxseed, 7.3 (4.1, 8.6). Alberta - wheat, 149.0 (112.0, 121.9); oats for grain, 124.0 (123.0, 95.6); barley, 119.0 (89.0, 99.4); all rye, 3.2 (2.4, 3.2); flaxseed, 3.7 (3.4, 4.4).

ble 1: November Estimate of the 1963 Production of Principal Field Crops in Canada, Compared with Latest Estimates for 1962 (continued)

ovince	Ar		per Acre	Production			
l Crop	1962	1963	1962			1963 1	
MANITOBA	- ac	cres -	- b	ushels -	-	bushels -	
ing wheat 2/	3,042,000	3,153,000	26.3	19.3	80,000,000	61,000,000	
s for grain	1,794,000	1,620,000	49.6	38.3	89,000,000		
ley	629,000	584,000	33.4	27.4	21,000,000		
l rye	116,000	104,000	25.3	22.6	2,940,000		
ing rye	3,000	3,000	20.0	16.7	60,000		
l rye	119,000	107,000	25.2	22.4	3,000,000		
xseed	667,000	820,000	11.7	11.3	7,800,000		
ed grains	124,000	126,000	40.3	31.0	5,000,000		
n for grain	3,300	4,500	40.0	40.0	132,000		
kwheat	10,000	15,000		20.0	210,000	300,000	
s, dry	31,800	37,000	15.7	18.9	500,000		
, _ 0	,_,	21,000		cwt		700,000 cwt	
atoes	23,000	21,000	114.0	95.2	2,622,000		
				ounds -		ounds -	
tard seed	10,000	20,000	720	775	7,200,000	15,500,000	
eseed	32,200	51,500	902	835			
flower seed	20,500	33,000	749		29,000,000	43,000,000	
	20,,000	55,000		950 cons =	15,360,000	31,350,000	
e hay	1,045,000	1,039,000	2.00	1.83	2,090,000	tons -	
der corn	38,500	40,800	6.75	8.00		1,900,000	
ar beets	21,565	28,100	9.12	12.35	260,000	326,000	
SASKATCHEWAN		20,200		hels -	196,733	347,000 bushels -	
ing wheat 2/	17,388,000	17,910,000	20.4	27.5	354,000,000		
s for grain	2,712,000	2,216,000	40.6	53.2	110,000,000	493,000,000	
ley	1,629,000	1,930,000	29.5	40.4		118,000,000	
l rye	215,000	206,000	19.5	20.9	48,000,000	78,000,000	
ing rye	64,100	69,400	12.5		4,200,000	4,300,000	
rye	279,100	275,400	17.9	18.7	800,000	1,300,000	
cseed	389,000	506,000		20.3	5,000,000	5,600,000	
ed grains	125,000		10.5	14.4	4,100,000	7,300,000	
s, dry	3,000	100,000	35.0	44.0	4,400,000	4,400,000	
, a. j	,,000	3,100	15.5	21.0	46,000	65,000	
toes	13,000	10 700		wt		cwt	
	1),000	12,700	75.0	86.6	975,000	1,100,000	
ard seed	49,000 3/	62 000	_	unds -		ounds -	
seed	167,000	63,000 232,000	227 7	/ 980	27,000,000	3/61,740,000	
lower seed	N.A.		784	1,090	131,000,000	253,000,000	
	14 027 0	3,500	N.A.	900	N.A.	3,150,000	
hay	1,020,000	1,061,000		ons -		tons -	
ler corn	1,800	2,000	1.52 3.25	1.70	1,550,000	1,800,000	
LBERTA	_, 000	~,000		5.00 hels -	6,000	10,000	
ng wheat 2/	5,807,000	5 022 000				shels -	
for grain	2,646,000	5,933,000	19.3	25.1	112,000,000	149,000,000	
-	2 822 000	2,424,000	46.5		123,000,000	124,000,000	
ey	2,839,000	3,408,000	31.3	34.9	89,000,000	119,000,000	
rye	128,000	174,000	15.6	15.5	2,000,000	2,700,000	
ng rye	30,200	26,400	13.2	18.2	400,000	480,000	
rye	158,200	200,400	15.2	15.9	2,400,000	3,180,000	
seed	340,000	303,000	10.0	12.2	3,400,000	3,700,000	

Table 1: November Estimate of the 1963 Production of Principal Field Crops in Canada, Compared with Latest Estimates for 1962 (concluded)

Province	Area			per Acre	Production		
and Crop	1962	1963		1963 1/		1963 1/	
ALBERTA	- acr	es - A		ishels -	- bu	shels -	
Mixed grains Peas, dry	367,000 7,800	309,000	17.2	42.1 21.8	134,000	13,000,000	
Potatoes	22,000	21,500	140.9	116.3 Dunds -	3,100,000	2,500,000 ounds -	
Mustard seed Rapeseed Sunflower seed	44,000 <u>3/</u> 172,000 2,500	72,000	534 2 774	3/ 850 735	23,500,000	3/61,200,000 147,000,000	
Tame hay		1,500 2,564,000	- t	1,025 cons -	-	1,538,000 tons - 3,800,000	
Sugar beets ERITISH COLUM	40,277 BIA	39,807	13.22 - bu	14.57 shels -	532,605	580,000 ushels -	
Spring wheat Oats for grain Barley Fall rye Flaxseed Mixed grains Peas, dry	93,500 88,100 79,900 1,600 2,200 3,900 3,000	94,300 77,800 112,000 1,700 1,400 3,500 1,600	51.3	39.8 20.5 27.6 7.9 40.0 20.0	200,000	1,800,000 3,100,000 2,300,000 47,000 11,000 140,000 32,000	
Potatoes	10,800	9,300	- c 185.2	185.0	2,000,000	cwt 1,720,000 tons -	
Tame hay Fodder corn	396,000 3,500	401,000		2.08	900,000		

As indicated on the basis of conditions on or about October 15.

Table 2: November Estimate of the 1963 Production of Durum Wheat 1/ in the Prairie Provinces Compared with 1962

Province	Area		Yield	per Acre	Production		
	1962	1963	1962	1963 2/	1962	1963 2/	
	- acr	- bus	shels -	- bushels -			
Manitoba Saskatchewan Alberta	161,000 2,897,000 371,000	140,000 1,796,000 234,000	23.6 19.5 - 15.1	17.1 25.6 21.4	3,800,000 56,500,000 5,600,000	2,400,000 46,000,000 5,000,000	
Total	3,429,000	2,170,000	19.2	24.6	65,900,000	53,400,000	

Included with spring wheat in Table 1.

Includes durum wheat for which separate estimates are shown in Table 2. 2/ Includes 3/ Revised.

^{1/} Included with spring wheat in Table 1. 2/ As indicated on the basis of conditions on or about October 15.

Table 3: November Estimate of the 1953 Production of Principal Grain Crops in the Prairie Provinces, Compared with the Latest Estimates for 1962

	Ar	Yield	per Acre	Production		
Crops	1962			1963 1/	1962	1963 1/
	- 2(res -	- bus	hels -		oushels -
FRAIRIE PROV	INCES					
Wheat 2/ Oats for grain Barley Rye Flaxseed	26,237,000 7,152,000 5,097,000 556,300 1,216,000	26,996,000 6,260,000 5,922,000 582,800 1,629,000	20.8 45.0 31.0 18.7	26.0 48.6 36.0 19.2 12.5	546,000,000 322,000,000 158,000,000 10,400,000 15,300,000	703,000,000 304,000,000 213,000,000 11,180,000 20,300,000
MANITORA						
Wheat 2/ Oats for grain Barley Hya Flaxseed	3,042,000 1,794,000 629,000 119,000 667,000	3,153,000 1,620,000 584,000 107,000	26.3 49.6 33.4 25.2	19.3 38.3 27.4 22.4 11.3	80,000,000 89,000,000 21,000,000 3,000,000 7,800,000	61,000,000 62,000,000 16,000,000 2,400,000 9,700,000
SASKATCHEWAN						
Wheat 2/ Oats for grain Barley Rye Flaxseed	17,988,000 2,712,000 1,629,000 279,100 389,000	2,216,000 2,216,000 1,930,000 275,400 506,000	20.4 40.6 29.5 17.9 10.5	27.5 53.2 40.4 20.3 14.4	354,000,000 110,000,000 48,000,000 5,000,000 4,100,000	493,000,000 118,000,000 78,000,000 5,600,000 7,300,000
ALBERTA						
Wheat 2/ Oats for grain Earley Tye Plaxseed	5,807,000 2,646,000 2,839,000 158,200 340,000	5,933,000 2,424,000 3,408,000 200,400 303,000	19.3 46.5 31.3 15.2 10.0	25.1 51.2 34.9 15.9 12.2	112,000,000 123,000,000 89,000,000 2,400,000 3,400,000	149,000,000 124,000,000 119,000,000 3,180,000 3,700,000

As indicated on the basis of conditions on or about October 15.
Includes durum wheat, separate estimates of which are included in Table 2, and relatively small quantities of winter wheat.

reparation of Land
by mid-October this year Canadian farmers had prepared an
estimated 71 per cent of the land intended for field crops in
1964 compared with 65 per cent a year earlier. By provinces,
ercentages of next year's crop land prepared by October 15, 1963, with last year's
comparable figures in brackets, were estimated as follows: Prince Edward Island,
(24); Nova Scotia, 43 (17); New Brunswick, 48 (29); Quebec, 58 (46); Ontario,
(54); Manitoba, 88 (62); Saskatchewan, 75 (74); Alberta, 67 (53); and British
clumbia, 52 (49).

Area and Condition of Winter Wheat and Fall Rye Preliminary estimates indicate that the area seeded to winter wheat in Ontario in 1963 is 460,000 acres, some 18,000 above the 1963 harvested area and the area seeded to fall rye in Canada was increased by about

4 per cent. Estimates of acreage for both crops, however, are subject to revision on the basis of results from the Bureau's 1964 annual acreage survey.

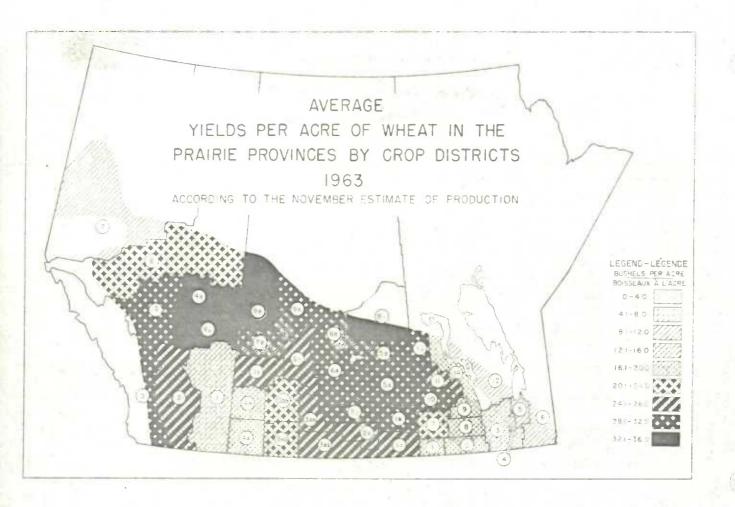
Of the Bureau's correspondents reporting on the condition of Ontaric winter wheat at mid-October, 49 per cent indicated that condition was average for that time of the year. Above average condition was reported by 5 per cent with the remainder, 45 per cent, reporting below average conditions.

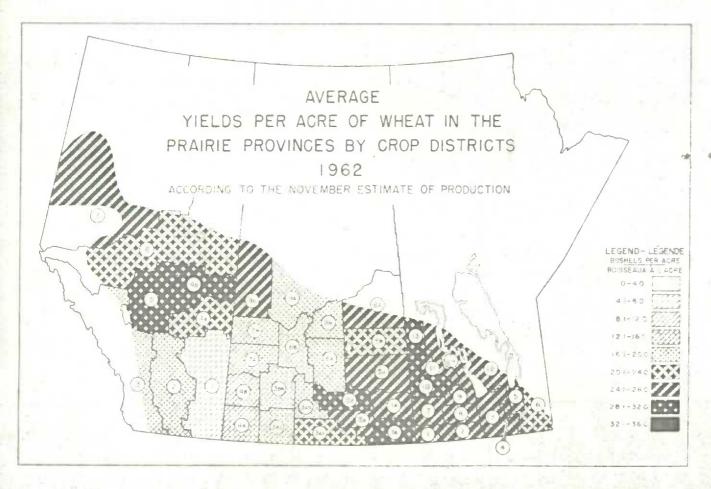
The area seeded to fall rye in Canada in 1963 is tentatively estimated at 576,800 acres, above last year's 552,800 acres.

Table A: Area and Condition of Fall Rye Seeded in Canada, 1963 Compared with 1962

Province	Area			Proportion of Correspondents Reporting Mid-October Condition						
	Seeded in 1962	Seeded i	n 1963 1/ 2 Area	Above A 1962	verage 1963	Ave: 1962	1963	Below . 1962	Average 1963	
The second second second second second	acres	. %	acres			per cent				
Que.	3,100	82	2,500	29	24	57	48	14	28	
Cnt.	64,000	95	60,800	21	6	71	57	8-	37	
Man.	104,000	111	115,000	27	33	64	56	9	n	
Sask.	206,000	105	216,000	32	38	57	52	11	10	
Alta.	174,000	104	181,000	22	30	68	59	10	11	
B,C.	1,700	91	1,500	28	26	55	57	17	17	
CANADA	552,800	104	576,800	26	29	64	56	10	15	

^{1/} Preliminary estimate: subject to revision on basis of results of the Bureau's 1964 annual acreage survey.





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