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## CROP REPORTING SERIES -- No. 2

### REVISED ESTIMATES OF PRODUCTION, VALUE AND STOCKS OF PRINCIPAL FIELD CROPS 1959 AND 1960; PRELIMINARY ESTIMATE OF VALUE, 1960

Revised data indicate that the gross farm value of production of Canada's principal field crops in 1959 was \$1.6 billion, compared with \$1.5 in 1958 but well below the record \$2.35 billion of 1952. The pre-war (1935-39) average value of field crop production in Canada was \$0.58 billion, while the 1954-58 average amounted to some \$1.6 billion.

Crops contributing the largest amount to the 1959 total were wheat, \$497.7 million; tame hay, \$304.2 million; oats, \$285.2 million; and barley, \$163.4 million. The gross value of the 1959 wheat and barley crop and the all-Canada total will be increased by whatever further payments may be made on that part of the wheat and barley crop marketed through the Canadian Wheat Board. On a provincial basis in 1959, Saskatchewan with \$436.7 million recorded the highest value of field crop production, followed by Alberta, with \$356.2 million, and Ontario, with \$314.7 million. The gross value of field crop production in other provinces in 1959 was estimated, in millions of dollars, as follows: Manitoba, 189.3; Quebec, 169.9; New Brunswick, 33.0; British Columbia, 31.2; Prince Edward Island, 27.6; and Nova Scotia, 15.7.

Preliminary estimates of the value of Canada's 1960 field crops, at \$1.6 billion, calculated from average prices received by farmers during the August 1960-January 1961 period and based on initial Canadian Wheat Board payments only for western wheat, oats and barley, is virtually the same as the 1959 total. It is emphasized that a direct comparison between the 1960 preliminary total and the 1959 revised total is unrealistic. Some further payments may be made by the Canadian Wheat Board on the 1959 crop. For the 1960 crops of wheat, oats and barley in Western Canada the current estimates are based on initial payments only. The effect of additional payments on these crops, payments under the Agricultural Stabilization Act on certain other crops, as well as other adjustments through changes in price and/or production for all crops will be taken into account in later revisions when the extent of these become known.

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Note: Data for Newfoundland not available.

Prepared in the Crops Section, Agriculture Division

In interpreting this report, it should be observed that the value estimates do not represent cash income received from sales but are gross values of farm production. Several crops, such as mixed grains and fodder corn, are utilized almost wholly on farms where grown, average unit farm prices being determined from the relatively small quantities sold commercially and then applied to the entire production of each crop to give its estimated value. Although such crops do not add greatly to farm cash income, they increase materially the gross value of farm production of field crops. It should be noted also that when a substantial amount of a crop is carried over on farms from one year to the next, average farm prices received during any particular year may not reflect exactly the value of the crop produced during the corresponding period.

Where monthly marketing data are available, the monthly average farm prices have been weighted by marketings to give weighted average unit values for the period. The average values assigned to most crops have been determined initially from reports of the Bureau's farm price correspondents but have been accepted only after consultation with officials responsible for agricultural statistics in each of the provinces and after due consideration had been given to factors such as quality and grade. For some crops, price data have been supplied by processing companies and marketing agencies.

The interim payment on the 1959 western wheat crop and the total payments on sugar beets in the four beet-producing provinces have been included in the 1959 estimates. Details of final payments on the 1959 western wheat and barley crops have not yet been announced. Final prices for the 1958 wheat, oats and barley crops for Western Canada are shown in Table 1, Footnote 1.

Except where noted in the tables, values per unit assigned to each crop in 1960 represent prices received by farmers from August 1, the beginning of the current crop year, up to mid-January only. No attempt has been made to forecast prices for the remainder of the crop year. For the 1960 crops of wheat, oats and barley in Western Canada the current estimates are based on initial payments only. The effect of additional payments on these crops, payments under the Agricultural Stabilization Act on certain other crops, as well as other adjustments through changes in price and/or production for all crops will be taken into account in later revisions when the extent of these become known.

For most crops, production estimates in this report are those published in the Dominion Bureau of Statistics' November Estimate of Production. Details of the estimates for which revisions have been made since the publication of the November report may be found in Table 4. Revised figures on visible (commercial) carryover stocks of the five major grains at the end of the 1959-60 crop year have been recently released by the Board of Grain Commissioners making revisions necessary in total stocks figures. These latest data on carryover stocks may be found in Table 5.



Table 1: Preliminary Estimate of the Gross Value of Field Crops in Canada,  
by Provinces, 1960, Compared with Revised Estimates for 1959

Province and Crop	Production		Average Farm Price		Total Farm Value	
	1959	1960	1959	1960 2/	1959	1960 2/
	- bushels -		- \$ per bushel -		- \$000 -	
<u>CANADA</u>						
Wheat	413,520,000	489,624,000	1.20 1/	1.16 3/	497,657 1/	565,793 3/
Oats for grain	417,933,000	456,134,000	0.68 1/	0.56 3/	285,160 1/	255,409 3/
Barley	225,550,000	207,036,000	0.72 1/	0.72 3/	163,362 1/	148,384 3/
Rye	8,149,000	10,125,000	0.89	0.85	7,275	8,653
Flaxseed	17,719,000	25,114,000	3.07	2.70	54,347	67,807 62/100
Mixed grains	63,790,000	59,711,000	0.82	0.83	52,175	49,647
Corn for grain	31,023,000	29,337,000	1.16	1.14	35,932	33,412
Buckwheat	1,629,000	1,835,000	1.06	1.09	1,720	2,007
Peas, dry	984,000	993,000	2.23	2.13	2,195	2,118
Beans, dry	1,168,000	1,012,000	3.81	3.72	4,453	3,760
Soybeans	6,828,000	5,675,000	1.87	1.90	12,765	10,783
	- cwt. -		- \$ per cwt. -			
Potatoes	36,532,000	43,790,000	2.77	2.12	101,124	93,037 94.511
	- pounds -		- \$ per pound -			
Mustard seed	49,144,000	74,715,000	0.038	0.038	1,869	2,829
Rapeseed	178,000,000	551,000,000	0.04	0.03	7,120	16,286 824
Sunflower seed	37,000,000	22,000,000	0.035	0.042	1,310	922
	- tons -		- \$ per ton -			
Tame hay	20,246,000	21,762,000	15.03	14.61	304,244	317,845
Fodder corn	3,964,000	3,352,000	4.74	4.72	18,792	15,828
Field roots	337,000	263,000	20.70	20.79	6,975	5,469
Sugar beets	1,239,518	1,098,221	12.78 7/	9.76 4/	15,842	10,720 4/
Totals					1,574,317	1,610,709
<u>PRINCE EDWARD ISLAND</u>						
	- bushels -		- \$ per bushel -			
Wheat	94,000	84,000	1.65	1.62	155	136
Oats for grain	4,400,000	5,100,000	0.74	0.72	3,256	3,672
Barley	28,000	28,000	1.02	0.97	29	27
Mixed grains	2,280,000	2,400,000	0.85	0.78	1,938	1,872
	- cwt. -		- \$ per cwt. -			
Potatoes	6,413,000	6,930,000	2.61	1.57	16,738	10,880 11.304
	- tons -		- \$ per ton -			
Tame hay	324,000	380,000	13.00	12.50	4,212	4,750
Field roots	72,000	45,000	18.00	19.25	1,296	866
Totals					27,624	22,203
<u>NOVA SCOTIA</u>						
	- bushels -		- \$ per bushel -			
Wheat	15,000	13,000	1.67	1.68	25	22
Oats for grain	1,600,000	1,700,000	0.92	0.91	1,472	1,547
Barley	43,000	34,000	1.12	1.13	48	38
Mixed grains	447,000	510,000	1.02	1.03	456	525
	- cwt. -		- \$ per cwt. -			
Potatoes	1,144,000	1,120,000	2.97	2.25	3,398	2,520
	- tons -		- \$ per ton -			
Tame hay	633,000	645,000	15.00	15.00	9,495	9,675
Field roots	40,000	30,000	19.00	19.50	760	585
Totals					15,654	14,912

Note: See page 6 for footnotes.

Province and Crop	Production		Average Farm Price		Total Farm Value	
	1959	1960	1959	1960 2/	1959	1960 2/
	- bushels -		- \$ per bushel -		- \$000 -	
<u>NEW BRUNSWICK</u>						
Wheat	63,000	55,000	1.67	1.68	105	92
Oats for grain	4,625,000	5,400,000	0.78	0.76	3,608	4,104
Barley	121,000	107,000	1.10	1.08	133	116
Mixed grains	237,000	240,000	0.94	0.91	223	218
Buckwheat	130,000	145,000	1.00	1.16	130	168
	- cwt. -	- <del>8,700,000</del> -	- \$ per cwt. -			<del>13,050</del>
Potatoes	7,604,000	8,000,000	2.37	1.50	18,021	12,000
	- tons -		- \$ per ton -			
Tame hay	667,000	685,000	15.40	13.75	10,272	9,419
Field roots	28,000	18,000	17.00	20.00	476	360
Totals					32,968	26,477

<u>QUEBEC</u>						
	- bushels -		- \$ per bushel -			
Wheat	316,000	254,000	1.58	1.60	499	406
Oats for grain	46,517,000	58,340,000	0.85	0.84	39,539	49,006
Barley	654,000	707,000	1.13	1.12	739	792
Rye	165,000	214,000	1.16	1.14	191	244
Mixed grains	6,014,000	6,206,000	1.06	1.05	6,375	6,516
Buckwheat	691,000	640,000	1.12	1.15	774	736
Peas, dry	52,000	55,000	4.25	4.15	221	228
Beans, dry	21,000	22,000	4.50	4.40	94	97
	- cwt. -		- \$ per cwt. -			
Potatoes	8,168,000	10,423,000	2.76	2.10	22,544	21,888
	- tons -		- \$ per ton -			
Tame hay	5,999,000	5,711,000	15.50	15.75	92,984	89,948
Fodder corn	575,000	552,000	6.75	6.45	3,881	3,560
Field roots	50,000	41,000	23.00	20.00	1,150	820
Sugar beets	67,580	82,713	14.13 7/	7.00 4/	955	579 4/
Totals					169,946	174,820

<u>ONTARIO</u>						
	- bushels -		- \$ per bushel -			
Wheat	12,867,000	17,968,000	1.59	1.43	20,483	25,657
Oats for grain	93,391,000	77,694,000	0.74	0.74	69,109	57,494
Barley	4,068,000	3,460,000	0.99	0.98	4,028	3,391
Rye	1,583,000	1,926,000	1.00	1.01	1,583	1,945
Flaxseed	108,000	117,000	2.80	2.77	302	324
Mixed grains	38,868,000	33,728,000	0.83	0.85	32,260	28,669
Corn for grain	30,756,000	29,012,000	1.16	1.14	35,678	33,074
Buckwheat	558,000	660,000	1.06	1.08	591	713
Peas, dry	137,000	127,000	2.40	2.35	329	298
Beans, dry	1,147,000	990,000	3.80	3.70	4,359	3,663
Soybeans	6,783,000	5,669,000	1.87	1.90	12,684	10,771
	- cwt. -		- \$ per cwt. -			
Potatoes	7,473,000	10,687,000	3.33	2.70	24,910	28,855
	- tons -		- \$ per ton -			
Tame hay	6,630,000	7,321,000	13.04	13.00	86,455	95,173
Fodder corn	3,184,000	2,598,000	4.21	4.16	13,420	10,808
Field roots	147,000	129,000	22.40	22.00	3,293	2,838
Sugar beets	505,270	211,909	10.35 7/	9.92 4/	5,230	2,102 4/
Totals					314,714	305,775



Province and Crop	Production		Average Farm Price		Total Farm Value	
	1959	1960	1959	1960 2/	1959	1960 2/
	- bushels -		- \$ per bushel -		- \$ 000 -	
<u>MANITOBA</u>						
Wheat	60,000,000	62,000,000	1.26 1/	1.19 3/	75,600 1/	73,780 3/
Oats for grain	61,000,000	68,000,000	0.64 1/	0.46 3/	39,040 1/	31,280 3/
Barley	35,000,000	28,000,000	0.71 1/	0.75 3/	26,600 1/	21,000 3/
Rye	1,660,000	1,700,000	0.88	0.84	1,461	1,428
Flaxseed	4,600,000	6,400,000	3.04	2.72	13,984	17,408
Mixed grains	4,400,000	4,600,000	0.73	0.74	3,212	3,404
Corn for grain	267,000	325,000	0.95	1.04	254	338
Buckwheat	250,000	390,000	0.90	1.00	225	390
Peas, dry	480,000	560,000	1.90	1.98	912	1,109
Soybeans	45,000	6,000	1.80	1.94	81	12
	- cwt. -		- \$ per cwt. -			
Potatoes	1,062,000	1,530,000	2.29	1.55	2,432	2,372
	- pounds -		- \$ per pound -			
Mustard seed	144,000	315,000	0.05	0.05	7	16
Rapeseed	9,000,000	26,000,000	0.04	0.036	360	936
Sunflower seed	20,000,000	15,200,000	0.04 7/	0.045	800	684
	- tons -		- \$ per ton -			
Tame hay	1,400,000	1,500,000	15.00	12.50	21,000	18,750
Fodder corn	146,000	143,000	7.00	7.00	1,022	1,001
Sugar beets	191,900	258,000	11.93 7/	9.80 4/	2,289	2,528 4/
Totals					189,279	176,436

<u>SASKATCHEWAN</u>						
	- bushels -		- \$ per bushel -			
Wheat	232,000,000	308,000,000	1.20 1/	1.15 3/	278,400 1/	354,200 3/
Oats for grain	94,000,000	126,000,000	0.62 1/	0.45 3/	58,280 1/	56,700 3/
Barley	74,000,000	73,000,000	0.71 1/	0.71 3/	52,540 1/	51,830 3/
Rye	3,000,000	4,500,000	0.86	0.81	2,580	3,645
Flaxseed	6,300,000	12,100,000	3.08	2.70	19,404	32,670
Mixed grains	1,900,000	2,300,000	0.64	0.66	1,216	1,518
Peas, dry	30,000	75,000	2.00	1.65	60	124
	- cwt. -		- \$ per cwt. -			
Potatoes	1,044,000	1,300,000	2.86	2.65	2,986	3,445
	- pounds -		- \$ per pound -			
Mustard seed	N.A.	7,400,000	N.A.	0.027	N.A.	200
Rapeseed	140,000,000	400,000,000	0.04	0.029	5,600	11,600
	- tons -		- \$ per ton -			
Tame hay	970,000	1,400,000	16.00	14.25	15,520	19,950
Fodder corn	7,000	9,000	15.00	13.25	105	119
Totals					436,691	536,001

<u>ALBERTA</u>						
	- bushels -		- \$ per bushel -			
Wheat	107,000,000	100,000,000	1.13 1/	1.10 3/	120,910 1/	110,000 3/
Oats for grain	108,000,000	110,000,000	0.63 1/	0.45 3/	68,040 1/	49,500 3/
Barley	110,000,000	100,000,000	0.71 1/	0.70 3/	78,100 1/	70,000 3/
Rye	1,700,000	1,750,000	0.84	0.78	1,428	1,365
Flaxseed	6,600,000	6,400,000	3.08	2.68	20,328	17,152
Mixed grains	9,500,000	9,600,000	0.67	0.71	6,365	6,816
Peas, dry	116,000	82,000	2.30	2.20	267	180
	- cwt. -		- \$ per cwt. -			
Potatoes	1,520,000	1,700,000	2.42	2.39	3,678	4,063

Province and Crop	Production		Average Farm Price		Total Farm Value	
	1959	1960	1959	1960 2/	1959	1960 2/
	- pounds -		- \$ per pound -		- \$ 000 -	

ALBERTA (concluded)

Mustard seed	49,000,000	67,000,000	0.038	0.039	1,862	2,613
Rapeseed	29,000,000	125,000,000	0.04	0.030	1,160	3,750 3/960
Sunflower seed	17,000,000	6,800,000	0.03 1/4	0.035 1/4	510 1/4	238 1/4
	- tons -		- \$ per ton -			
Tame hay	2,800,000	3,200,000	16.50	15.75	46,200	50,400
Sugar beets	474,768	545,599	15.52 7/	10.10 4/	7,368	5,511 4/
Totals					356,216	321,588

BRITISH COLUMBIA

	- bushels -		- \$ per bushel -			
Wheat	1,165,000	1,250,000	1.27 5/	1.20 6/	1,480 5/	1,500 6/
Oats for grain	4,400,000	3,900,000	0.64 5/	0.54 6/	2,816 5/	2,106 6/
Barley	1,636,000	1,700,000	0.70 5/	0.70 6/	1,145 5/	1,190 6/
Rye	41,000	35,000	0.78	0.73	32	26
Flaxseed	111,000	97,000	2.96	2.61	329	253
Mixed grains	144,000	127,000	0.90	0.86	130	109
Peas, dry	169,000	94,000	2.40	1.90	406	179
	- cwt. -		- \$ per cwt. -			
Potatoes	2,104,000	2,100,000	3.05	3.34	6,417	7,014
	- tons -		- \$ per ton -			
Tame hay	823,000	920,000	22.00	21.50	18,106	19,780
Fodder corn	52,000	50,000	7.00	6.80	364	340
Totals					31,225	32,497

- 1/ Includes interim payment for wheat, final payment for oats and initial payment for barley. Final payment on Western Canadian wheat and barley to be taken into account when details are available. Average farm prices for 1958 wheat, oats and barley, including final payments, were, respectively: Manitoba, \$1.36, \$0.56, \$0.81; Saskatchewan, \$1.32, \$0.54, \$0.75; Alberta, \$1.31, \$0.55, \$0.75; British Columbia, \$1.31, \$0.59, \$0.74.
- 2/ Preliminary; based on average prices received by farmers during the August 1960—January 1961 period.
- 3/ Based on initial payments only for Western Canadian wheat, oats and barley.
- 4/ Based on initial payments only.
- 5/ Includes interim payment for wheat, final payment for oats and initial payment for barley only on that part of the crop marketed through the Canadian Wheat Board. Final payment to be taken into account when details are available.
- 6/ Includes effect of initial payments only for that part of the crop marketed through the Canadian Wheat Board.
- 7/ Includes Agriculture Stabilization Board payment.



Table 2: Estimated Total Area and Value of Canada's Principal Field Crops  
1960 Compared with 1958 and 1959

Province	Area 1/			Value 1/		
	1958	1959	1960	1958	1959 2/	1960 3/
	- 000 acres -			- \$000 -		
Prince Edward Island	415	408	409	22,415	27,624	22,203
Nova Scotia	379	372	365	15,992	15,654	14,912
New Brunswick	565	562	550	24,056	32,968	26,477
Quebec	5,210	5,202	5,242	164,471	169,946	174,820
Ontario	7,763	7,750	7,581	319,822	314,714	305,775
Manitoba	7,393	7,445	7,558	187,411	189,279	176,436
Saskatchewan	23,347	23,588	24,090	418,706	436,691	536,001
Alberta	14,457	14,837	14,929	341,289	356,216	321,588
British Columbia	588	601	611	26,209	31,225	32,497
Canada	60,118	60,766	61,334	1,520,371	1,574,317	1,610,709

1/ See Table 1 for crops included in these estimates.

2/ Subject to upward revision when extent of final payment on Western Canadian wheat delivered to the 1959-60 pool becomes known.

3/ Preliminary; based on prices received by farmers during August-January period only. No allowance made for interim and final payments on Western Canadian wheat oats and barley.

Table 3: Revised Estimate of Production of Principal Field Crops in Canada  
1960 Compared with Latest Estimates for 1959

Crop	Area		Yield per Acre		Production	
	1959	1960	1959	1960	1959	1960
	- acres -		- bushels -		- bushels -	
Winter wheat	425,000	525,000	29.3	33.5	12,464,000	17,570,000
Spring wheat	22,639,900	22,673,200	17.7	20.8	401,056,000	472,054,000
All wheat	23,064,900	23,198,200	17.9	21.1	413,520,000	489,624,000
Oats for grain	11,391,300	11,146,700	36.7	40.9	417,933,000	456,134,000
Barley	8,288,600	7,359,700	27.2	28.1	225,550,000	207,036,000
Fall rye	405,700	442,100	16.8	19.4	6,819,000	8,575,000
Spring rye	110,900	101,000	12.0	15.3	1,330,000	1,550,000
All rye	516,600	543,100	15.8	18.6	8,149,000	10,125,000
Flaxseed	2,150,700	2,817,200	8.2	8.9	17,719,000	25,114,000
Mixed grains	1,500,500	1,380,600	42.5	43.2	63,790,000	59,711,000
Corn for grain	488,900	514,000	63.5	57.1	31,023,000	29,337,000
Buckwheat	83,300	85,000	19.6	21.6	1,629,000	1,835,000
Peas, dry	63,900	54,000	15.4	18.4	984,000	993,000
Beans, dry	68,000	67,200	17.2	15.1	1,168,000	1,012,000
Soybeans	251,000	256,500	27.2	22.1	6,828,000	5,675,000
			- cwt. -		- cwt. -	
Potatoes	294,100	314,100	124.2	139.4	36,532,000	43,790,000
			- pounds -		- pounds -	
Mustard seed	80,140	156,050	613	479	49,144,000	74,715,000
Rapeseed	213,500	756,000	834	729	178,000,000	551,000,000
Sunflower seed	42,000	25,500	881	863	37,000,000	22,000,000
			- tons -		- tons -	
Tame hay	11,779,000	12,176,000	1.72	1.79	20,246,000	21,762,000
Fodder corn	369,000	370,200	10.74	9.05	3,964,000	3,352,000
Field roots	29,900	27,400	11.27	9.60	337,000	263,000
Sugar beets	90,453	86,060	13.70	12.76	1,239,518	1,098,221

Table 4: Details of Revisions by Provinces, in Area, Yield and Production of Principal Field Crops, 1960 Compared with 1959

Province and Crop	Area		Yield per Acre		Production	
	1959	1960	1959	1960	1959	1960
	- acres -		- tons -		- tons -	
<u>Quebec</u>						
Sugar beets	4,503	5,423 <u>1/</u>	15.01	15.25 <u>1/</u>	67,580	82,713 <u>1/</u>
<u>Ontario</u>						
Sugar beets	33,306	14,258 <u>1/</u>	15.17	14.86 <u>1/</u>	505,270	211,909 <u>1/</u>
<u>Alberta</u>						
Sugar beets	35,144	41,379 <u>1/</u>	13.51	13.19 <u>1/</u>	474,768	545,599 <u>1/</u>

1/ Revised since release of Crop Report No. 23 on November 4, 1960, other estimates remain unchanged.

Table 5: Revised Estimates, Stocks of Canadian Grain at July 31, 1960

Position	Wheat	Oats	Barley	Rye	Flaxseed
	- thousand bushels -				
On farms <u>1/</u>					
Prairie Provinces					
Manitoba	8,000	10,000	11,000	600	100
Saskatchewan	51,000	18,000	28,000	2,000	350
Alberta	21,000	20,000	22,000	1,000	350
Totals	80,000	48,000	61,000	3,600	800
Other provinces	1,700	24,000	2,000	200	10
Totals on farms <u>2/</u>	81,700	72,000	63,000	3,800	810
Visible stocks <u>3/</u>	453,246	20,627	58,443	2,951	4,064
Stocks in mill bins <u>4/</u>	2,642	201	26	3	-
Totals, commercial	455,888	20,827	58,470	2,953	4,064
Totals, all positions	537,588	92,827	121,470	6,753	4,874

1/ Estimated by Dominion Bureau of Statistics.

2/ Same as originally published.

3/ Final figures compiled by the Statistics Branch, Board of Grain Commissioners.

4/ As compiled by the Dominion Bureau of Statistics.