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## DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Hon. George Hees, Minister of Trade and Commerce

Price: \$4.00 for series of 23 crop reports

MAY 24 1962

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CROP REPORTING SERIES -- NO. 1

SUMMERFALLOW AND STUBBLE, ACREAGE AND YIELD OF SPECIFIED CROPS  
PRAIRIE PROVINCES

Almost three quarters (74%) of the 1960 wheat crop was seeded on summerfallow and slightly more than a quarter (26%) on stubble land compared to 77 and 23 per cent respectively in 1959. Wheat sown on summerfallowed land in the Prairie Provinces in 1960 averaged 22.7 bushels per acre, compared with 15.3 bushels for crops on stubble lands. In 1959, summerfallow wheat averaged 19.4 bushels while wheat sown on stubble lands averaged 11.8 bushels per acre. For other major crops, the average yields in 1960, in bushels per acre, obtained from summerfallow, with stubble yields in brackets, are as follows: oats, 46.9 (34.4); barley, 34.3 (23.1); flaxseed, 10.2 (7.4); and rapeseed, 16.5 (10.6). The percentages of these crops grown on summerfallow in 1960, with the percentages sown on stubble in brackets, are as follows: oats, 32 (68); barley, 43 (57); flaxseed, 55 (45); and rapeseed, 68 (32). These distributions are similar to those obtained in 1959, although summerfallow acreages for all crops were, proportionately, smaller in 1960 than in 1959.

This is the third year that a survey has been conducted by the Dominion Bureau of Statistics to ascertain the relationship of average yields obtained by farmers in the Prairie Provinces for crops grown on summerfallow and stubble, as well as the distribution of the acreage of the major field crops between summerfallow and stubble. Estimates in this report are based on returns from farmer and elevator agent correspondents reporting in December, 1960. Production estimates derived from this survey differed somewhat from those obtained for the November estimate and the results were adjusted to agree with that report (C.R. 23).

As has been pointed out in previous reports, the extent of the difference between yields on summerfallow and stubble will likely change from year to year depending on many factors, particularly weather conditions. Harvesting conditions in the Prairie Provinces in 1960 were good and farmers had taken off nearly all of the cereal crops by mid-October. However, several weeks of hot and dry weather in July and August had, as in 1959, an adverse effect upon all the crops. In both years it is apparent that one of the factors maintaining average yields per acre was the amount of crop planted on summerfallow lands.

Prepared in the Crops Section, Agriculture Division.

Acres Seeded and Yield per Acre on Summerfallow and Stubble, 1959 and 1960  
Specified Crops

Crop	Seeded Acreage		Distribution		Average Yield per Seeded Acre		Production	
	1959	1960	1959	1960	1959	1960	1959	1960
	000 ac.		per cent		bu.		million bu.	
PRAIRIE PROVINCES								
Wheat								
Summerfallow	17,384	16,741	77	74	19.4	22.7	338.0	380.5
Stubble	5,173	5,849	23	26	11.8	15.3	61.0	89.5
Total	22,557	22,590	100	100	17.7	20.8	399.0	470.0
Oats								
Summerfallow	2,630	2,550	33	32	42.0	46.9	110.4	119.5
Stubble	5,252	5,363	67	68	29.1	34.4	152.6	184.5
Total	7,882	7,913	100	100	33.4	38.4	263.0	304.0
Barley								
Summerfallow	3,664	3,085	45	43	33.2	34.3	121.7	105.9
Stubble	4,443	4,111	55	57	21.9	23.1	97.3	95.1
Total	8,107	7,196	100	100	27.0	27.9	219.0	201.0
Flaxseed								
Summerfallow	1,372	1,536	64	55	9.2	10.2	12.6	15.6
Stubble	758	1,261	36	45	6.5	7.4	4.9	9.3
Total	2,130	2,797	100	100	8.2	8.9	17.5	24.9
Rapeseed								
Summerfallow	155	514	73	68	18.6	16.5	2.88	8.46
Stubble	58	242	27	32	11.7	10.6	0.68	2.56
Total	213	756	100	100	16.7	14.6	3.56	11.02
MANITOBA								
Wheat								
Summerfallow	2,005	2,000	77	75	24.9	25.0	50.0	50.1
Stubble	589	659	23	25	17.0	18.1	10.0	11.9
Total	2,594	2,659	100	100	23.1	23.3	60.0	62.0
Oats								
Summerfallow	333	323	19	18	43.5	48.9	14.5	15.8
Stubble	1,396	1,508	81	82	33.3	34.6	46.5	52.2
Total	1,729	1,831	100	100	35.3	37.1	61.0	68.0
Barley								
Summerfallow	471	395	35	37	32.9	33.9	15.5	13.4
Stubble	878	676	65	63	22.2	21.6	19.5	14.6
Total	1,349	1,071	100	100	25.9	26.1	35.0	28.0
Flaxseed								
Summerfallow	163	181	28	26	10.4	11.0	1.7	2.0
Stubble	412	526	72	74	7.0	8.4	2.9	4.4
Total	575	707	100	100	8.0	9.1	4.6	6.4
Rapeseed								
Summerfallow	9	23	75	64	16.7	15.7	0.15	0.36
Stubble	3	13	25	36	10.0	12.3	0.03	0.16
Total	12	36	100	100	15.0	14.4	0.18	0.52



Acres Seeded and Yield per Acre on Summerfallow and Stubble, 1959 and 1960  
Specified Crops

Crop	Seeded Acreage		Distribution		Average Yield per Seeded Acre		Production	
	1959	1960	1959	1960	1959	1960	1959	1960
	000 ac.		per cent		bu.		million bu.	
SASKATCHEWAN								
Wheat								
Summerfallow	11,544	11,082	78	75	17.3	22.6	199.7	250.4
Stubble	3,259	3,789	22	25	9.9	15.2	32.3	57.6
Total	14,803	14,871	100	100	15.7	20.7	232.0	308.0
Oats								
Summerfallow	1,234	1,213	37	36	36.0	45.8	44.4	55.6
Stubble	2,069	2,139	63	64	24.0	32.9	49.6	70.4
Total	3,303	3,352	100	100	28.5	37.6	94.0	126.0
Barley								
Summerfallow	1,599	1,278	51	49	28.6	32.9	47.8	42.0
Stubble	1,549	1,357	49	51	18.2	22.8	28.2	31.0
Total	3,148	2,635	100	100	23.5	27.7	74.0	73.0
Flaxseed								
Summerfallow	756	858	78	61	7.1	10.0	5.4	8.6
Stubble	219	542	22	39	4.1	6.5	0.9	3.5
Total	975	1,400	100	100	6.5	8.6	6.3	12.1
Rapeseed								
Summerfallow	123	381	75	69	18.7	16.3	2.30	6.20
Stubble	42	169	25	31	11.9	10.6	0.50	1.80
Total	165	550	100	100	17.0	14.5	2.80	8.00
ALBERTA								
Wheat								
Summerfallow	3,835	3,659	74	72	23.0	21.9	88.3	80.0
Stubble	1,325	1,401	26	28	14.1	14.3	18.7	20.0
Total	5,160	5,060	100	100	20.7	19.8	107.0	100.0
Oats								
Summerfallow	1,063	1,014	37	37	48.4	47.4	51.5	48.1
Stubble	1,787	1,716	63	63	31.6	36.1	56.5	61.9
Total	2,850	2,730	100	100	37.9	40.3	108.0	110.0
Barley								
Summerfallow	1,594	1,412	44	40	37.9	35.8	60.4	50.5
Stubble	2,016	2,078	56	60	24.6	23.8	49.6	49.5
Total	3,610	3,490	100	100	30.5	28.7	110.0	100.0
Flaxseed								
Summerfallow	453	497	78	72	12.1	10.1	5.5	5.0
Stubble	127	193	22	28	8.7	7.3	1.1	1.4
Total	580	690	100	100	11.4	9.3	6.6	6.4
Rapeseed								
Summerfallow	23	110	64	65	18.7	17.3	0.43	1.90
Stubble	13	60	36	35	11.5	10.0	0.15	0.60
Total	36	170	100	100	16.1	14.7	0.58	2.50

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