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Field Crop Reporting Series - No. 1

SUMMERFALLOW AND STUBBLE, ACREAGE AND YIELD OF SPECIFIED CROPS

PRAIRIE PROVINCES

Wheat sown on summerfallow land in the Prairie Provinces in 1971 averaged 27.3 bushels per acre, compared with an average yield of 22.1 bushels for that sown on stubble land. In 1970 summerfallow wheat averaged 26.6 bushels, while wheat sown on stubble lands averaged 19.9 bushels per acre. For other major field crops, the average yields in 1971, in bushels per acre, obtained from summerfallow with stubble yields in brackets, were as follows: oats for grain 62.3 (48.8); barley, 47.4 (34.8); flaxseed, 13.9 (9.9); and rapeseed, 18.7 (13.1). The percentages of these crops grown on summerfallow in 1971 in the Prairie Provinces, with percentages sown on stubble in brackets are as follows: wheat, 93 (7); oats for grain, 41 (59); barley, 64 (36); flaxseed, 72 (28); and rapeseed, 87 (13).

The proportion of all crops, except oats for grain, included in this report, sown on summerfallowed land in the Prairie Provinces in 1971 increased as compared with the previous year. The increase in the per cent distribution of acreage seeded on summerfallow in 1971 compared with 1970 was larger for barley than for other crops.

Stubble yields as a per cent of yields obtained from summerfallowed lands for the Prairie Provinces in 1971, compared with the five year (1965-69) averages, were higher for all crops. These percentages with the 1970 and the five year averages in brackets respectively are: wheat, 81 (75, 72); oats for grain, 78 (74, 75); barley, 73 (73, 70); flaxseed, 71 (64, 70); and rapeseed, 70 (70, 64). In terms of actual bushels the spread between stubble and summerfallow yields is smaller this year compared with the five year averages in all cases.

Estimates in this report are based on returns from farmer and elevator agent correspondents reporting in December 1971. This survey is conducted by Statistics Canada in co-operation with the Provincial Departments of Agriculture, 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.

Agriculture Division
Crops Section

5502-508

Acres Seeded and Yield per Acre on Summerfallow and Stubble, 1971, with Comparisons Specified Crops

Crop	Seeded area			Distribution			Average yield per seeded acre			Production			
	Average 1965- 1969		1970	1971	Average 1965- 1969		1970	1971	Average 1965- 1969		1970	1971	
	'000 acres			per cent			bushels			million bushels			
<u>PRAIRIE PROVINCES</u>													
<u>Wheat</u>													
Summerfallow ..	20,747	11,043	17,461	74	92	93	25.5	26.6	27.3	529.8	293.5	476.6	
Stubble	7,210	957	1,239	26	8	7	18.3	19.9	22.1	131.6	19.0	27.4	
Total	27,957	12,000	18,700	100	100	100	23.7	26.0	27.0	661.4	312.5	504.0	
<u>Oats for grain</u>													
Summerfallow ..	1,286	2,436	2,162	24	46	41	56.8	61.7	62.3	73.1	150.4	134.6	
Stubble	4,145	2,824	3,120	76	54	59	42.8	45.9	48.8	177.3	129.6	152.4	
Total	5,431	5,260	5,282	100	100	100	46.1	53.2	54.3	250.4	280.0	287.0	
<u>Barley</u>													
Summerfallow ..	2,518	5,450	9,316	33	57	64	45.3	46.5	47.4	114.1	253.3	441.6	
Stubble	5,018	4,050	5,284	67	43	36	31.9	34.0	34.8	160.1	137.7	183.9	
Total	7,536	9,500	14,600	100	100	100	36.4	41.2	42.8	274.2	391.0	625.5	
<u>Flaxseed</u>													
Summerfallow ..	633	2,368	1,442	35	71	72	14.5	16.3	13.9	9.2	38.5	20.0	
Stubble	1,161	982	558	65	29	28	10.2	10.4	9.9	11.8	10.2	5.5	
Total	1,794	3,350	2,000	100	100	100	11.7	14.5	12.8	21.0	48.7	25.5	
<u>Rapeseed</u>													
Summerfallow ..	911	3,445	4,759	60	85	87	19.3	18.7	18.7	17.54	64.32	89.12	
Stubble	617	605	716	40	15	13	12.4	13.0	13.1	7.64	7.88	9.38	
Total	1,528	4,050	5,475	100	100	100	16.5	17.8	18.0	25.18	72.20	98.50	

Acres Seeded and Yield per Acre on Summerfallow and Stubble, 1971, with Comparisons Specified Crops

Crop	Seeded area			Distribution			Average yield per seeded acre			Production		
	Average 1965- 1969			Average 1965- 1969			Average 1965- 1969			Average 1965- 1969		
	'000 acres			per cent			bushels			million bushels		
<u>MANITOBA</u>												
<u>Wheat</u>												
Summerfallow ..	2,046	1,121	1,931	64	80	80	27.9	22.8	30.3	57.1	25.6	58.5
Stubble	1,137	279	469	36	20	20	20.7	17.6	24.5	23.5	4.9	11.5
Total	3,183	1,400	2,400	100	100	100	25.3	21.8	29.2	80.6	30.5	70.0
<u>Oats for grain</u>												
Summerfallow ..	178	243	290	11	19	20	56.2	49.8	63.4	10.0	12.1	18.4
Stubble	1,375	1,017	1,182	89	81	80	44.2	40.2	52.1	60.8	40.9	61.6
Total	1,553	1,260	1,472	100	100	100	45.6	42.1	54.3	70.8	53.0	80.0
<u>Barley</u>												
Summerfallow ..	278	725	1,037	29	48	47	43.2	38.9	51.2	12.0	28.2	53.1
Stubble	685	775	1,163	71	52	53	31.5	29.4	40.8	21.6	22.8	47.4
Total	963	1,500	2,200	100	100	100	34.9	34.0	45.7	33.6	51.0	100.5
<u>Flaxseed</u>												
Summerfallow ..	155	367	144	15	32	25	12.9	13.4	13.2	2.0	4.9	1.9
Stubble	852	783	426	85	68	75	10.0	9.7	9.6	8.5	7.6	4.1
Total	1,007	1,150	570	100	100	100	10.4	10.9	10.5	10.5	12.5	6.0
<u>Rapeseed</u>												
Summerfallow ..	54	245	398	36	61	64	19.8	20.0	22.7	1.07	4.89	9.03
Stubble	95	155	227	64	39	36	14.4	14.9	17.5	1.37	2.31	3.97
Total	149	400	625	100	100	100	16.4	18.0	20.8	2.44	7.20	13.00

Acres Seeded and Yield per Acre on Summerfallow and Stubble, 1971, with Comparisons Specified Crops

Crop	Seeded area			Distribution			Average yield per seeded acre			Production		
	Average 1965- 1969			Average 1965- 1969			Average 1965- 1969			Average 1965- 1969		
	'000 acres			per cent			bushels			million bushels		
<u>SASKATCHEWAN</u>												
<u>Wheat</u>												
Summerfallow ..	14,310	7,586	12,604	77	95	98	24.3	26.6	26.8	348.0	201.6	338.2
Stubble	4,325	414	196	23	5	2	17.1	20.3	19.4	73.8	8.4	3.8
Total	18,635	8,000	12,800	100	100	100	22.6	26.2	26.7	421.8	210.0	342.0
<u>Oats for grain</u>												
Summerfallow ..	576	1,252	1,114	31	64	57	54.5	62.2	63.6	31.4	77.9	70.8
Stubble	1,262	698	846	69	36	43	41.2	46.0	47.5	52.0	32.1	40.2
Total	1,838	1,950	1,960	100	100	100	45.4	56.4	56.6	83.4	110.0	111.0
<u>Barley</u>												
Summerfallow ..	976	2,486	5,155	42	75	82	42.6	46.2	47.6	41.6	114.9	245.4
Stubble	1,337	814	1,145	58	25	18	30.7	33.3	34.6	41.0	27.1	39.6
Total	2,313	3,300	6,300	100	100	100	35.7	43.0	45.2	82.6	142.0	285.0
<u>Flaxseed</u>												
Summerfallow ..	267	1,355	941	57	90	91	14.6	16.9	14.2	3.9	22.9	13.4
Stubble	203	145	89	43	10	9	10.3	13.1	10.1	2.1	1.9	0.9
Total	470	1,500	1,030	100	100	100	12.8	16.5	13.9	6.0	24.8	14.3
<u>Rapeseed</u>												
Summerfallow ..	461	2,021	2,685	68	92	98	20.5	18.5	18.9	9.43	37.30	50.67
Stubble	218	179	65	32	8	2	13.7	12.3	12.8	2.99	2.20	0.83
Total	679	2,200	2,750	100	100	100	18.3	18.0	18.7	12.42	39.50	51.50

Acres Seeded and Yield per Acre on Summerfallow and Stubble, 1971, with Comparisons Specified Crops

Crop	Seeded area			Distribution			Average yield per seeded acre			Production			
	Average 1965- 1969		1970	1971	Average 1965- 1969		1970	1971	Average 1965- 1969		1970	1971	
	'000 acres			per cent			bushels			million bushels			
<u>ALBERTA</u>													
<u>Wheat</u>													
Summerfallow ..	4,391	2,336	2,926	72	90	84	28.4	28.4	27.3	124.7	66.3	79.9	
Stubble	1,748	264	574	28	10	16	19.6	21.6	21.1	34.3	5.7	12.1	
Total	6,139	2,600	3,500	100	100	100	25.9	27.7	26.3	159.0	72.0	92.0	
<u>Oats for grain</u>													
Summerfallow ..	532	941	758	26	46	41	59.6	64.2	59.9	31.7	60.4	45.4	
Stubble	1,508	1,109	1,092	74	54	59	42.8	51.0	46.3	64.5	56.6	50.6	
Total	2,040	2,050	1,850	100	100	100	47.2	57.1	51.9	96.2	117.0	96.0	
<u>Barley</u>													
Summerfallow ..	1,264	2,239	3,124	30	48	51	47.9	49.2	45.8	60.5	110.2	143.1	
Stubble	2,996	2,461	2,976	70	52	49	32.5	35.7	32.6	97.5	87.8	96.9	
Total	4,260	4,700	6,100	100	100	100	37.1	42.1	39.3	158.0	198.0	240.0	
<u>Flaxseed</u>													
Summerfallow ..	211	646	357	67	92	89	15.6	16.6	13.2	3.3	10.7	4.7	
Stubble	106	54	43	33	8	11	11.3	13.0	11.6	1.2	0.7	0.5	
Total	317	700	400	100	100	100	14.2	16.3	13.0	4.5	11.4	5.2	
<u>Rapeseed</u>													
Summerfallow ..	396	1,179	1,676	57	81	80	17.8	18.8	17.6	7.04	22.13	29.42	
Stubble	304	271	424	43	19	20	10.8	12.4	10.8	3.28	3.37	4.58	
Total	700	1,450	2,100	100	100	100	14.7	17.6	16.2	10.32	25.50	34.00	

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