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SUMMERFALLOW AND STUBBLE, ACREAGE AND YIELD OF SPECIFIED CROPS

PRAIRIE PROVINCES

Wheat sown on summerfallow land in the Prairie Provinces in 1966 averaged 29.9 bushels per acre, compared with an average yield of 21.7 bushels for that sown on stubble land. In 1965 summerfallow wheat averaged 24.0 bushels, while wheat sown on stubble lands averaged 18.9 bushels per acre. For other major field crops, the average yields in 1966, in bushels per acre, obtained from summerfallow with stubble yields in brackets, were as follows: oats for grain, 60.8 (43.6); barley, 50.9 (35.5); flaxseed, 16.0 (9.4); and rapeseed, 22.0 (13.6). The percentages of these crops grown on summerfallow in 1966 in the Prairie Provinces, with percentages sown on stubble in brackets, are as follows: wheat, 73 (27); oats for grain 22 (78); barley, 33 (67); flaxseed, 29 (71); and rapeseed, 56 (44).

The proportion of each crop, included in this report, sown on summerfallowed land in the Prairie Provinces in 1966 declined compared with the previous year and the five-year average, except for rapeseed, which is unchanged from 1965. The decline in the percentage of acreage seeded on summerfallow was larger when the 1960 - 1964 average is compared to 1966, for crops other than wheat. For example, during the 1960 - 1964 period some 51 per cent of the flaxseed was sown on summerfallow in contrast to 29 per cent in 1966, while during the same period wheat declined from 81 to 73 per cent.

Stubble yields as a per cent of those obtained from summerfallowed lands for the Prairie Provinces in 1966 were lower for all crops, except for wheat, than was the case during the 1960-64 period. These percentages with the 1965 and 1960-64 average in brackets respectively are: wheat, 73 (79, 69); oats for grain, 72 (78, 75); barley, 70 (71, 71); flaxseed, 59 (79, 80); and rapeseed, 62 (62, 65). In terms of actual bushels the spread between stubble and summerfallow yields is wider this year compared with the five year average.

Estimates in this report are based on returns from farmer and elevator agent correspondents reporting in December 1966. This is the ninth year that a survey has been conducted by the Dominion Bureau of Statistics 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.

Prepared in the Crops Section, Agriculture Division

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Acres Seeded and Yield per Acre on Summerfallow and Stubble, 1966, with Comparisons
Specified Crops

Crop	Seeded area			Distribution			Average yield per seeded acre			Production		
	Average 1960- 1964	1965	1966	Average 1960- 1964	1965	1966	Average 1960- 1964	1965	1966	Average 1960- 1964	1965	1966
	'000 acres			per cent			bushels			million bushels		
<u>PRAIRIE PROVINCES</u>												
<u>Wheat</u>												
Summerfallow	21,141	21,175	21,664	81	76	73	21.0	24.0	29.9	444.5	507.3	647.6
Stubble	5,028	6,615	8,116	19	24	27	14.4	18.9	21.7	72.5	124.7	176.4
Total	26,169	27,790	29,780	100	100	100	19.8	22.7	27.7	517.0	632.0	824.0
<u>Oats for grain</u>												
Summerfallow	2,042	1,455	1,166	34	26	22	48.0	57.4	60.8	98.1	83.5	70.9
Stubble	3,945	4,190	4,174	66	74	78	36.2	45.0	43.6	142.9	188.5	182.1
Total	5,987	5,645	5,340	100	100	100	40.3	48.2	47.4	241.0	272.0	253.0
<u>Barley</u>												
Summerfallow	2,519	2,074	2,269	45	36	33	34.5	43.2	50.9	87.0	89.6	115.6
Stubble	3,136	3,667	4,601	55	64	67	24.6	30.7	35.5	77.2	112.4	163.4
Total	5,655	5,741	6,870	100	100	100	29.0	35.2	40.6	164.2	202.0	279.0
<u>Flaxseed</u>												
Summerfallow	968	758	587	51	33	29	10.6	14.6	16.0	10.3	11.1	9.4
Stubble	926	1,507	1,442	49	67	71	8.5	11.5	9.4	7.9	17.3	13.6
Total	1,894	2,265	2,029	100	100	100	9.6	12.5	11.3	18.2	28.4	23.0
<u>Rapeseed</u>												
Summerfallow	435	803	784	70	56	56	17.9	18.9	22.0	7.78	15.17	17.26
Stubble	187	632	604	30	44	44	11.7	11.8	13.6	2.18	7.43	8.24
Total	622	1,435	1,388	100	100	100	16.0	15.7	18.4	9.96	22.60	25.50

Acres Seeded and Yield per Acre on Summerfallow and Stubble, 1966, with Comparisons
Specified Crops

Crop	Seeded area			Distribution			Average yield per seeded acre			Production		
	Average 1960- 1964	1965	1966	Average 1960- 1964	1965	1966	Average 1960- 1964	1965	1966	Average 1960- 1964	1965	1966
	'000 acres			per cent			bushels			million bushels		
<u>MANITOBA</u>												
<u>Wheat</u>												
Summerfallow	2,392	2,139	2,241	78	66	64	22.4	26.3	27.3	53.6	56.3	61.1
Stubble	667	1,101	1,239	22	34	36	17.4	20.6	19.3	11.6	22.7	23.9
Total	3,059	3,240	3,480	100	100	100	21.3	24.4	24.4	65.2	79.0	85.0
<u>Oats for grain</u>												
Summerfallow	326	220	157	21	14	10	46.9	57.3	52.9	15.3	12.6	8.3
Stubble	1,244	1,305	1,373	79	86	90	36.6	47.0	40.6	45.5	61.4	55.7
Total	1,570	1,525	1,530	100	100	100	38.7	48.5	41.8	60.8	74.0	64.0
<u>Barley</u>												
Summerfallow	263	188	260	40	31	31	31.6	43.1	41.9	8.3	8.1	10.9
Stubble	396	413	570	60	69	69	22.5	33.7	28.2	8.9	13.9	16.1
Total	659	601	830	100	100	100	26.1	36.6	32.5	17.2	22.0	27.0
<u>Flaxseed</u>												
Summerfallow	209	243	162	26	18	13	11.5	14.0	11.7	2.4	3.4	1.9
Stubble	584	1,107	1,058	74	82	87	9.1	11.6	8.6	5.3	12.8	9.1
Total	793	1,350	1,220	100	100	100	9.7	12.0	9.0	7.7	16.2	11.0
<u>Rapeseed</u>												
Summerfallow	26	60	50	59	41	32	18.1	19.3	18.2	0.47	1.16	0.91
Stubble	18	85	108	41	59	68	14.4	14.6	11.0	0.26	1.24	1.19
Total	44	145	158	100	100	100	16.6	16.6	13.3	0.73	2.40	2.10

Acres Seeded and Yield per Acre on Summerfallow and Stubble, 1966, with Comparisons
Specified Crops

Crop	Seeded area			Distribution			Average yield per seeded acre			Production		
	Average			Average			Average			Average		
	1960- 1964	1965	1966	1960- 1964	1965	1966	1960- 1964	1965	1966	1960- 1964	1965	1966
	' 000 acres			per cent			bushels			million bushels		
<u>SASKATCHEWAN</u>												
<u>Wheat</u>												
Summerfallow	14,148	14,704	14,832	82	79	75	20.4	22.6	29.6	289.2	332.4	438.6
Stubble	3,128	3,796	4,868	18	21	25	13.6	17.8	22.1	42.6	67.6	107.4
Total	17,276	18,500	19,700	100	100	100	19.2	21.6	27.7	331.8	400.0	546.0
<u>Oats for grain</u>												
Summerfallow	840	640	486	40	33	27	45.2	56.7	60.7	38.0	36.3	29.5
Stubble	1,243	1,280	1,304	60	67	73	33.1	45.1	47.2	41.2	57.7	61.5
Total	2,083	1,920	1,790	100	100	100	38.0	48.8	50.8	79.2	94.0	91.0
<u>Barley</u>												
Summerfallow	938	782	840	51	45	38	31.1	42.2	50.6	29.2	33.0	42.5
Stubble	911	968	1,360	49	55	62	22.4	33.1	37.9	20.4	32.0	51.5
Total	1,849	1,750	2,200	100	100	100	26.8	37.1	42.7	49.6	65.0	94.0
<u>Flaxseed</u>												
Summerfallow	460	287	232	65	51	49	10.0	14.6	16.8	4.6	4.2	3.9
Stubble	253	273	243	35	49	51	7.1	11.4	11.5	1.8	3.1	2.8
Total	713	560	475	100	100	100	9.0	13.0	14.1	6.4	7.3	6.7
<u>Rapeseed</u>												
Summerfallow	243	372	380	76	67	61	17.3	21.3	22.9	4.20	7.94	8.71
Stubble	78	183	240	24	33	39	11.7	15.1	15.4	0.91	2.76	3.69
Total	321	555	620	100	100	100	15.9	19.2	20.0	5.11	10.70	12.40

Acres Seeded and Yield per Acre on Summerfallow and Stubble, 1966, with Comparisons
Specified Crops

Crop	Seeded area			Distribution			Average yield per seeded acre			Production		
	Average			Average			Average			Average		
	1960- 1964	1965	1966	1960- 1964	1965	1966	1960- 1964	1965	1966	1960- 1964	1965	1966
	'000 acres			per cent			bushels			million bushels		
<u>ALBERTA</u>												
<u>Wheat</u>												
Summerfallow	4,601	4,332	4,591	79	72	70	22.1	27.4	32.2	101.7	118.6	147.9
Stubble	1,233	1,718	2,009	21	28	30	14.8	20.0	22.4	18.3	34.4	45.1
Total	5,834	6,050	6,600	100	100	100	20.6	25.3	29.2	120.0	153.0	193.0
<u>Oats for grain</u>												
Summerfallow	876	595	523	38	27	26	51.1	58.2	63.3	44.8	34.6	33.1
Stubble	1,458	1,605	1,497	62	73	74	38.5	43.2	43.4	56.2	69.4	64.9
Total	2,334	2,200	2,020	100	100	100	43.3	47.3	48.5	101.0	104.0	98.0
<u>Barley</u>												
Summerfallow	1,318	1,104	1,169	42	33	30	37.6	43.9	53.2	49.5	48.5	62.2
Stubble	1,829	2,286	2,671	58	67	70	26.2	29.1	35.9	47.9	66.5	95.8
Total	3,147	3,390	3,840	100	100	100	31.0	33.9	41.1	97.4	115.0	158.0
<u>Flaxseed</u>												
Summerfallow	299	228	193	77	64	58	11.0	15.4	18.7	3.3	3.5	3.6
Stubble	89	127	141	23	36	42	9.0	11.0	12.1	0.8	1.4	1.7
Total	388	355	334	100	100	100	10.6	13.8	15.9	4.1	4.9	5.3
<u>Rapeseed</u>												
Summerfallow	166	371	354	65	50	58	18.7	16.4	21.6	3.11	6.07	7.64
Stubble	91	364	256	35	50	42	11.1	9.4	13.1	1.01	3.43	3.36
Total	257	735	610	100	100	100	16.0	12.9	18.0	4.12	9.50	11.00

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