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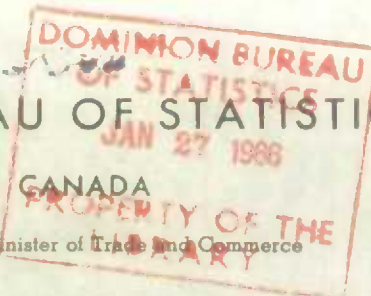
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SUMMERFALLOW AND STUBBLE, ACREAGE AND YIELD OF SPECIFIED CROPSPRAIRIE PROVINCES

Wheat sown on summerfallow land in the Prairie Provinces in 1965 averaged 25.1 bushels per acre, compared with an average yield of 19.7 bushels for that sown on stubble land. In 1964, summerfallow wheat averaged 21.3 bushels, while wheat sown on stubble lands averaged 14.8 bushels per acre. For other major field crops, the average yields in 1965, in bushels per acre, obtained from summerfallow with stubble yields in brackets, were as follows: oats for grain, 57.3 (45.0); barley, 43.3 (30.6); flaxseed, 14.4 (11.3); and rapeseed, 19.0 (11.9). The percentages of these crops grown on summerfallow in 1965 in the Prairie Provinces, with percentages sown on stubble in brackets, are as follows: wheat, 76 (24); oats for grain, 26 (74); barley, 36 (64); flaxseed, 36 (64); and rapeseed, 56 (44).

The proportion of each crop, included in this report, sown on summerfallowed land in the Prairie Provinces in 1965 declined compared with the previous year and the five-year average. However, the decline in the percentage of acreage seeded on summerfallow was larger when the 1959-1963 average is compared to 1965, for crops other than wheat. For example, during the 1959-1963 period some 56 per cent of the flaxseed was sown on summerfallow in contrast to 36 per cent in 1965, while during the same period wheat declined from 81 to 76 per cent.

Stubble yields as a per cent of those obtained from summerfallowed lands for the Prairie Provinces were higher for all crops in 1965 than was the case during the 1959-63 period. These percentages with the 1964 and 1959-63 average in brackets respectively are: wheat 78 (69, 67); oats for grain, 79 (77, 74); barley, 71 (69, 70); flaxseed, 78 (77, 77); and rapeseed, 63 (70, 62). Although these percentages vary considerably from year to year and between crops and provinces the data tend to indicate that average stubble yields are showing gradual improvement relative to those obtained on summerfallow. Where the ratio of stubble to summerfallow yield is largest, as is the case for oats for grain, a larger proportion of these other crops are planted on second crop land than is the case for wheat and rapeseed, where the ratio is lowest. Barley appears to be an exception in that a high percentage of the crop is planted on second crop land despite the fact that stubble yields, relative to those obtained from summerfallow, tend to be low.

Estimates in this report are based on returns from farmer and elevator agent correspondents reporting in December 1965. This is the eighth 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 summer-fallow and stubble.

Prepared in the Crops Section, Agriculture Division

5502-508.1

Acres Seeded and Yield per Acre on Summerfallow and Stubble, 1965, with Comparisons
Specified Crops

Crop	Seeded area			Distribution			Average yield per seeded acre			Production		
	Average	1964	1965	Average	1964	1965	Average	1964	1965	Average	1964	1965
	1959- 1963			1959- 1963			1959- 1963			1959- 1963		
	'000 acres			per cent			bushels			million bushels		
PRAIRIE PROVINCES												
Wheat												
Summerfallow	20,484	22,624	21,148	81	78	76	20.7	21.3	25.1	423.2	482.4	529.9
Stubble	4,663	6,456	6,642	19	22	24	13.8	14.8	19.7	64.2	95.6	131.1
Total	25,147	29,080	27,790	100	100	100	19.4	19.9	23.8	487.4	578.0	661.0
Oats for grain												
Summerfallow	2,160	1,349	1,453	35	27	26	46.9	49.2	57.3	101.3	66.4	83.3
Stubble	3,941	3,705	4,192	65	73	74	34.7	37.7	45.0	136.7	139.6	188.7
Total	6,101	5,054	5,645	100	100	100	39.0	40.8	48.2	238.0	206.0	272.0
Barley												
Summerfallow	2,865	1,914	2,069	47	37	36	33.8	37.3	43.3	96.7	71.3	89.5
Stubble	3,288	3,303	3,672	53	63	64	23.7	25.9	30.6	77.9	85.7	112.5
Total	6,153	5,217	5,741	100	100	100	28.4	30.1	35.2	174.6	157.0	202.0
Flaxseed												
Summerfallow	1,065	738	794	56	39	36	10.3	11.8	14.4	11.0	8.7	11.4
Stubble	852	1,178	1,390	44	61	64	7.9	9.1	11.3	6.7	10.7	15.7
Total	1,917	1,916	2,184	100	100	100	9.2	10.1	12.4	17.7	19.4	27.1
Rapeseed												
Summerfallow	373	476	801	74	60	56	17.6	19.0	19.0	6.57	9.03	15.25
Stubble	134	315	634	26	40	44	10.9	13.3	11.9	1.46	4.20	7.55
Total	507	791	1,435	100	100	100	15.8	16.7	15.9	8.03	13.23	22.80

Acres Seeded and Yield per Acre on Summerfallow and Stubble, 1965, with Comparisons
Specified Crops

Crop	Seeded area			Distribution			Average yield per seeded acre			Production		
	Average	1964	1965	Average	1964	1965	Average	1964	1965	Average	1964	1965
	1959- 1963			1959- 1963			1959- 1963			1959- 1963		
	'000 acres			per cent			bushels			million bushels		
MANITOBA												
Wheat												
Summerfallow	2,336	2,508	2,163	80	74	67	21.9	26.7	27.6	51.1	67.0	59.6
Stubble	580	877	1,077	20	26	33	16.4	20.5	21.7	9.5	18.0	23.4
Total	2,916	3,385	3,240	100	100	100	20.8	25.1	25.6	60.6	85.0	83.0
Oats for grain												
Summerfallow	327	288	222	21	18	15	45.6	51.4	57.2	14.9	14.8	12.7
Stubble	1,200	1,347	1,303	79	82	85	34.4	43.2	47.0	41.3	58.2	61.3
Total	1,527	1,635	1,525	100	100	100	36.8	44.6	48.5	56.2	73.0	74.0
Barley												
Summerfallow	325	171	190	40	34	32	31.1	37.4	43.2	10.1	6.4	8.2
Stubble	489	326	411	60	66	68	21.5	29.4	33.6	10.5	9.6	13.8
Total	814	497	601	100	100	100	25.3	32.2	36.6	20.6	16.0	22.0
Flaxseed												
Summerfallow	197	222	215	28	22	19	11.2	12.6	13.5	2.2	2.8	2.9
Stubble	506	803	945	72	78	81	8.5	9.7	11.2	4.3	7.8	10.6
Total	703	1,025	1,160	100	100	100	9.2	10.3	11.6	6.5	10.6	13.5
Rapeseed												
Summerfallow	20	41	60	67	49	41	17.0	19.5	21.0	0.34	0.80	1.26
Stubble	10	43	85	33	51	59	14.0	15.6	15.8	0.14	0.67	1.34
Total	30	84	145	100	100	100	16.0	17.5	17.9	0.48	1.47	2.60

Acres Seeded and Yield per Acre on Summerfallow and Stubble, 1965, with Comparisons
Specified Crops

Crop	Seeded area			Distribution			Average yield per seeded acre			Production		
	Average 1959- 1963	1964	1965	Average 1959- 1963	1964	1965	Average 1959- 1963	1964	1965	Average 1959- 1963	1964	1965
	'000 acres			per cent			bushels			million bushels		
SASKATCHEWAN												
Wheat												
Summerfallow	13,653	15,291	14,679	82	80	79	20.1	19.4	23.7	274.5	296.8	348.5
Stubble	2,943	3,909	3,821	18	20	21	13.0	13.1	18.7	38.3	51.2	71.5
Total	16,596	19,200	18,500	100	100	100	18.8	18.1	22.7	312.8	348.0	420.0
Oats for grain												
Summerfallow	888	488	639	41	33	33	43.8	43.0	56.7	38.9	21.0	36.2
Stubble	1,276	981	1,281	59	67	67	31.4	33.6	45.1	40.1	33.0	57.8
Total	2,164	1,469	1,920	100	100	100	36.5	36.8	48.8	79.0	54.0	94.0
Barley												
Summerfallow	1,128	605	781	52	43	45	30.6	28.9	42.3	34.5	17.5	33.0
Stubble	1,034	795	969	48	57	55	21.6	20.8	33.0	22.3	16.5	32.0
Total	2,162	1,400	1,750	100	100	100	26.3	24.3	37.1	56.8	34.0	65.0
Flaxseed												
Summerfallow	523	271	314	67	52	51	9.4	10.0	14.3	4.9	2.7	4.5
Stubble	261	250	296	33	48	49	6.5	7.2	11.5	1.7	1.8	3.4
Total	784	521	610	100	100	100	8.4	8.6	13.0	6.6	4.5	7.9
Rapeseed												
Summerfallow	225	213	372	77	70	67	17.1	19.1	21.3	3.85	4.06	7.94
Stubble	69	90	183	23	30	33	11.0	13.8	15.1	0.76	1.24	2.76
Total	294	303	555	100	100	100	15.7	17.5	19.2	4.61	5.30	10.70

Acres Seeded and Yield per Acre on Summerfallow and Stubble, 1965, with Comparisons
Specified Crops

Crops	Seeded area			Distribution			Average yield per seeded acre			Production			
	Average	1964	1965	Average	1964	1965	Average	1964	1965	Average	1964	1965	
	1959- 1963			1959- 1963			1959- 1963			1959- 1963			
	'000 acres			per cent			bushels			million bushels			
ALBERTA													
Wheat													
Summerfallow	4,495	4,825	4,306	80	74	71	21.7	24.6	28.3	97.6	118.6	121.8	
Stubble	1,140	1,670	1,744	20	26	29	14.4	15.8	20.8	16.4	26.4	36.2	
Total	5,635	6,495	6,050	100	100	100	20.2	22.3	26.1	114.0	145.0	158.0	
Oats for grain													
Summerfallow	945	573	592	39	29	27	50.3	53.4	58.1	47.5	30.6	34.4	
Stubble	1,465	1,377	1,608	61	71	73	37.7	35.1	43.3	55.3	48.4	69.6	
Total	2,410	1,950	2,200	100	100	100	42.7	40.5	47.3	102.8	79.0	104.0	
Barley													
Summerfallow	1,412	1,138	1,098	44	34	32	36.9	41.7	44.0	52.1	47.4	48.3	
Stubble	1,765	2,182	2,292	56	66	68	25.6	27.3	29.1	45.1	59.6	66.7	
Total	3,177	3,320	3,390	100	100	100	30.6	32.2	33.9	97.2	107.0	115.0	
Flaxseed													
Summerfallow	345	245	265	80	66	64	11.3	13.1	15.1	3.9	3.2	4.0	
Stubble	85	125	149	20	34	36	8.2	8.8	11.4	0.7	1.1	1.7	
Total	430	370	414	100	100	100	10.7	11.6	13.8	4.6	4.3	5.7	
Rapeseed													
Summerfallow	128	222	369	70	55	50	18.6	18.8	16.4	2.38	4.17	6.05	
Stubble	55	182	366	30	45	50	10.2	12.6	9.4	0.56	2.29	3.45	
Total	183	404	735	100	100	100	16.1	16.0	12.9	2.94	6.46	9.50	

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