

Table 6. Smut Spores on Farmers Seed Samples 1945 - 1958

Year seed produced	WHEAT		OATS	BARLEY		
	Samples examined	% bearing smut spores	Samples examined	% bearing smut spores	Samples examined	% bearing smut spores
1945	6,069	51.2	1,600	90.3	1,602	95.1
1946	8,267	71.3	2,978	89.3	1,043	96.4
1947	9,178	66.8	2,800	88.3	687	94.2
1948	7,442	60.6	2,405	85.9	1,369	92.4
1949	9,570	44.6	2,936	81.1	1,679	88.9
1950	11,993	45.6	5,331	73.5	3,149	89.2
1951	2,730	47.9	1,106	84.4	1,124	66.8
1952	5,121	46.7	1,655	87.4	1,584	63.6
1953	5,255	38.8	1,528	85.9	1,705	93.1
1954	3,464	27.7	1,140	81.3	1,230	90.1
1955	3,428	25.6	1,931	73.1	1,656	91.8
1956	6,148	20.1	1,122	82.4	1,144	95.0
1957	4,523	22.4	1,931	75.2	3,074	91.0
1958	4,031	12.4	1,444	69.7	1,894	90.1

Seed Treatment Survey in the Prairie Provinces - 1959

The information in the Table 7 was supplied by Dr. F. J. Greaney of the Line Elevators Farm Service, Winnipeg.

In June, 1959, Elevator Agents of Member Companies were asked to estimate and report the percentage of the total acreage of each of the crops of wheat, oats, barley and flax, in their respective districts, that was planted

treated seed in 1959. The results, by provinces and crop districts, are tabulated below. (Number of individual reports used to determine the average acreage estimates in brackets.)

Table 7. Results of 1959 Seed Treatment Survey

Province and Crop District	Percentage of Total Acreage Planted with Treated Seed:			
	Wheat	Oats	Barley	Flax
<u>MANITOBA</u>				
Average ^{1/}	47.2 (102)	25.6 (91)	42.1 (98)	40.3 (78)
<u>SASKATCHEWAN</u>				
1A	50.7	25.5	54.3	46.6
1B	43.9	46.1	73.3	65.0
2A	65.7	55.0	72.9	46.7
2B	56.7	51.5	67.6	51.5
3AN	64.8	60.2	81.1	55.7
3AS	68.9	65.5	75.4	72.4
3BN	70.4	67.9	78.7	59.6
3BS	65.9	73.2	81.8	72.7
4A	73.3	67.5	77.9	74.0
4B	81.8	76.1	81.0	73.6
5A	27.3	39.8	49.4	55.0
5B	36.8	42.9	64.2	62.4
6A	52.1	64.7	77.3	57.4
6B	63.7	53.9	75.4	51.7
7A	83.8	78.5	94.0	80.0
7B	74.6	75.0	90.3	85.8
8A	43.2	45.6	56.5	37.9
8B	38.8	70.0	78.9	61.5
9A	57.6	61.3	76.5	85.7*
9B	48.7	67.5	75.4	72.5*
Average ^{1/}	60.3 (651)	60.7 (619)	74.7 (656)	63.2 (456)
<u>ALBERTA</u>				
1	87.0	76.7	85.2	66.7
2	41.6	83.8	92.9	81.2
3	89.0	81.4	91.2	87.1
4	80.8	81.3	88.8	78.5
5	78.6	74.2	79.7	92.9*
6	84.6	78.8	83.0	75.0*
7	89.0	84.8	85.1	84.3
Average ^{1/}	86.3 (386)	81.1 (384)	91.2 (384)	81.3 (234)
<u>PRAIRIE PROVINCES</u>				
Average ^{1/}	67.9 (1139)	65.0 (1094)	77.5 (1138)	66.4 (768)

* Based on less than 10 individual reports.
1/Weighted.