

Bacterial Blight (Xanthomonas translucens) ratings were Evansburg, 2-tr, 4-sl./7; Cheddarville, 1-tr, 3-sl, 1-mod./7; Leslieville, 4-tr, 1-sl, 1-sev./7; Olds, 1-tr, 5-sl, 3-mod./9; Acme, 4-tr, 1-sl./8; Airdrie, 1-tr, 4-sl./8. No bacterial blight was recorded from the other plots. The disease appeared to be confined to the western section.

Diseases were recorded on 3 or more wheat varieties, usually including Selkirk, Saunders and Thatcher, at the 17 stations.

Root Rot (Helminthosporium sorokinianum and Fusarium spp.) ratings were chiefly as traces. Most of the affected plots were east of a line between Calgary and Edmonton as was the case with barley root rot.

Speckled Leaf Blotch (Septoria spp.) ratings were 0 at 3 stations, 0-tr, at 8 stations and tr.-sl, at 6 stations of which 4 were in the eastern section.

Four to seven varieties of oats were tested at each of the 17 stations. Blast and halo blight were found at most stations.

Blast (non-parasitic) was the chief disease. Ratings were 0 at one station, tr, at 2 stations, tr.-sl, at 5 stations and tr.-mod, at 9 stations, 7 of which were in the western section.

Halo Blight (Pseudomonas coronafaciens) was not observed at 2 stations, was 0-tr, at 7 stations and tr.-sl, at 8 stations, 7 of which were in the western section.

Cereal Diseases at Lacombe, Alberta in 1958

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Thirty-seven plots of 6-rowed varieties of barley were surveyed for disease. The diseases, in order of severity, were rated as follows: scald, 2-tr, 6-sl, 16-mod, 8-sev.; net blotch, 6-tr, 14-sl, 11-mod, 5-sev.; speckled leaf blotch, 6-tr, 12-sl, 10-mod, 1-sev.; root rot, 18-tr, 14-sl, 4-mod.; bacterial blight, 3-tr, 6-sl, 3-mod.; loose smut, 11-tr.

Only halo blight and blast were recorded in the 25 oat plots examined. Ratings were as follows: halo blight, 11-tr, 9-sl, 4-mod.; blast, 14-tr, 3-sl, 2-mod, 1-sev.

Twenty-five wheat plots were rated as follows: speckled leaf blotch, 7-tr, 14-sl, 3-mod.; powdery mildew, 1-tr, 4-sl, 1-mod.; loose smut, 3-tr, 1 at 2%, and 1 at 5%.