

Canada Blue Grass (Poa compressa L.)

POWDERY MILDEW -- Erysiphe graminis DC.

Common at Buchanan, Saskatchewan in 1927.

DISEASES OF FRUIT CROPS

APPLE

SCAB -- Venturia inaequalis (Cke.) Wint.

NOVA SCOTIA

- 1927 - This disease caused a serious loss to Nova Scotia orchardists.
- 1928 - Generally speaking, ascospore inoculum was scarcer during 1928 than in any of the three previous years. There was sufficient to cause severe injury in many sections but in some experimental orchards the scabby fruit did not exceed 30 per cent, in comparison with the previous three seasons when unsprayed trees yielded from 90 to 100 per cent scabby fruit, much of which was cracked and worthless.

NEW BRUNSWICK

- 1927 - Very severe especially on McIntosh and Fameuse varieties.
- 1928 - Quite general and severe in unsprayed orchards.

QUEBEC

- 1927 - Reported from Ste. Anne de la Pocatiere, St. Hilaire, Hemmingford, Mt. Johnson, Abbotsford, Rougemont, and St. Roch des Aulnais. Scab lesion on both leaves and fruit were much more severe than usual.
- 1928 - Reports from Kamouraska, Iberville, Quebec, and Rouville counties showed that apple scab was fairly severe. Infection varied from a trace in well sprayed orchards to 100 per cent in unsprayed orchards.

ONTARIO

- 1927 - Apple scab was reported from different parts of the province. In the Niagara district it was more prevalent than during the past four years.

1928 - This disease, though not so prevalent as the previous year was nevertheless quite general.

SASKATCHEWAN

- Slight infections reported from Indian Head both years.

BRITISH COLUMBIA

1927 - The exceptionally moist season of 1927 has caused a marked spread of this disease to sections of the fruit-growing areas which are usually entirely free from it, and its presence has been noted considerably farther south, that is, to the drier sections of the valley, than is usual. Many late infections on the fruit, appearing as pin-point infections at the time of picking, have caused a very considerable loss in storage.

1928 - Throughout the northern section of the valley where this disease fluctuates with the seasons, a moist autumn in 1927 saw a marked spread of scab, and the fall's forecast was borne out by the increase again apparent in the spring and summer of 1928. Growers, anticipating the spring increase, applied the recognized sprays, but often without obtaining satisfactory control. Observation, however, points to the cause of this condition as being a lack of sufficiently close adherence to the proper dates for spraying. In the southern end of the valley where the disease is practically unknown, a specimen was obtained for the first time from each of the districts of Penticton and Summerland. The later summer and fall of the present year were dry and generally favourable for scab development.

PERENNIAL CANKER -- Gloeosporium perennans Zeller & Childs

BRITISH COLUMBIA

1928 - A sufficient amount of survey work has already been carried out on the extent of this disease to show us that it is now well established in most of the orchard sections from Kelowna north, excepting Salmon Arm. Survey work on the southern Okanagan is not completed, but up to the present the canker has been found in three orchards in the Summerland district, and in two orchards in the Penticton district. The survey is being pressed forward as rapidly as possible.

APPLE

ANTHRACNOSE -- Neofabraea malicorticis (Cordley) Jackson

BRITISH COLUMBIA

1928 - There was a decided increase of anthracnose reported in the Salmon Arm district, attributable doubtless to the unusually moist season of 1927. The increase was so considerable as to cause the grower grave anxiety. In answer to many requests the laboratory at Summerland has undertaken an experimental spray programme in an endeavour to gain an effective control.

BLACK ROT -- Physalospora Malorum Shear.

NOVA SCOTIA

1927 - Reported from Middleton. Very prevalent in a few orchards.

1928 - Reported from Cornwallis, Telford, and French River. Common in old uncared-for orchards.

NEW BRUNSWICK

1927 - Slight infection in York county.

1928 - Very prevalent in the province this year. Stage on fruit and limb cankers quite rate.

MISCELLANEOUS DISEASES

CEDAR RUST -- Gymnosporangium Juniperi-virginianae Schw.

Slight occurrences reported from Ontario in 1927 and in Nova Scotia in 1928.

EUROPEAN CANKER -- Nectria galligena Bers.

Slight cases in York county, New Brunswick in 1927 and 1928.

SILVER LEAF -- Stereum purpureum

Present on many trees at Ste. Anne de la Pocatiere in 1927. Isolated cases observed in New Brunswick in 1927 and 1928.