

ANTHRACNOSE -- Colletotrichum linicolum Perth. & Laff.

ALBERTA

1928 - Occurred in the experimental plots at Edmonton.

NON-PARASITIC DISEASES

HEAT CANKER

ALBERTA

1928 - Slight damage in the experimental plots at Edmonton.

SUNFLOWER

WILT -- Sclerotinia Sclerotiorum (Lib.) Mass.

NEW BRUNSWICK

1927 - One case observed in Stanley township, York county.

1928 - Isolated specimens only observed.

QUEBEC

1927 - Severe cases observed in Kamouraska county. Infection about 6 per cent.

1928 - A 5 per cent infection was found in a two-acre field. The disease appeared later this year and was not as severe as during the preceding year.

ONTARIO

1927 - Observed in the experimental plots at Ottawa
1928 both years.

SASKATCHEWAN

1927 - Several occurrences were reported. In a windbreak around a garden 3 per cent of the plants were affected. At Buchanan, in a similar windbreak the disease was present in about 40 per cent of the plants.

1928 - Trace observed at Indian Head. At Saltcoats over 10 per cent of the plants were affected.

ALBERTA

1928 - This disease was destructive in one field at Edmonton, causing 8 to 15 per cent loss.

SUNFLOWER
GRASSES

-32-

RUST -- Puccinia Helianthi Schw.

NEW BRUNSWICK

1927 - Isolated specimens observed in York county.

ONTARIO

- Observed at Ottawa in 1927 and 1928. No other reports received.

SASKATCHEWAN

1927 - Several slight occurrences reported from several points.

1928 - Trace reported at Rosthern.

ALBERTA

1928 - Light infections of this disease were observed at Edmonton.

LEAF SPOT -- Septoria Helianthi Ell. & Kellerm.

SASKATCHEWAN

1928 - The lower leaves were found heavily diseased in a small patch of sunflowers at Rosthern.

GRASSES (Cultivated)

Awnless Brome (Bromus inermis Leyss)

ERGOT - Claviceps purpurea (Fr.) Tul.

Trace to light infections found in different parts of Saskatchewan in 1927 and 1928. Traces were also found in Alberta in 1928.

LEAF BLOTCH - Pyrenophora Bromi (Died.) Drechs.

Moderate infection in Saskatchewan in 1927.

Kentucky Blue (Poa pratensis L.)

POWDERY MILDEW -- Erysiphe graminis DC.

This disease was very common in Alberta in 1928.

Timothy (Phleum pratense L.)

ERGOT -- Claviceps purpurea (Fr.) Tul.

In Nova Scotia light infections were reported from Kings county in both years.

RUST -- Puccinia Phlei-pratensis Erikss. & Henn.

Moderate infection reported from Kings county Nova Scotia in 1927. Reports of heavy infections on roadside plants were received from different points in Saskatchewan. Records for 1928 showed it to be common on wild plants in Alberta.

LEAF SPOT -- Scolecotrichum graminis Fckl.

This disease was reported from Alberta in 1928 having been found at Red Deer and Pincher Creek.

LEAF SPOT -- Heterosporium Phlei Gregory

Reported from Alberta in 1928. Common but not causing any appreciable damage.

WESTERN RYE GRASS (Agropyron tenerum Vasey)

ERGOT -- Claviceps purpurea (Fr.) Tul.

Traces reported from Saskatchewan in 1927.

SMUT -- Ustilago Agropyri Clinton

Traces found at Rosthern and Middle Lake, Saskatchewan in 1928.

STRIPE RUST -- Puccinia glumarum (Schm.) Erikss.

Collected at Edmonton, Alberta in 1928.

MILLET - (Setaria italica Beauv.)

BACTERIAL LEAF SPOT -- Pseudomonas sp.

Reported from Alberta in 1928; caused slight damage at Brooks and Claresholm.

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.