

RYE
ALFALFA

- 26 -

ALBERTA

1928 - One report. Very little damage.

ROOT ROT -- Fusarium sp.

SASKATCHEWAN

1928 - Modern infection at Rosthern.

LEAF AND STEM SPOT -- Cause undetermined

SASKATCHEWAN

1928 - Severe on an isolated plot at Rosthern.

POWDERY MILDEW -- Erysiphe graminis DC.

SASKATCHEWAN

1928 - Light infections reported from Indian Head.

D I S E A S E S O F F O R A G E A N D F I B R E C R O P S

ALFALFA

LEAF SPECK -- Pseudopeziza Medicaginis (Lib.) Sacc.

NEW BRUNSWICK

1927 - One slight and one moderate infection reported;
not sufficient to cause defoliation.

1928 - Quite general, but not severe; slight outbreak at
Dominion Experimental Station.

QUEBEC

1927 - Severe occurrence at Macdonald College, causing
yellowing of the leaves.

ONTARIO

1928 - Generally present but no case of defoliation.
observed.

SASKATCHEWAN

1927 - Reported from Kelliher and Saskatoon, causing
considerable fading and loss of the lower leaves.

ALBERTA
1928 - Present but causing no appreciable damage.

BRITISH COLUMBIA
1928 - Diseased specimens received from a correspondent.

CHEMICAL INJURY

BRITISH COLUMBIA
1928 - Sulphur dioxide injury reported from Trail.

WINTER INJURY

Winter killing was reported from western Ontario in 1927.

DOWNY MILDEW -- Peronospora Trifoliorum de Bary

ALBERTA
1928 - Causing considerable damage to individual plants at Edmonton and slight to medium damage in irrigated fields at Brooks. Also found at Olds, but causing no loss.

BRITISH COLUMBIA
1928 - Found at Huntingdon.

ROOT ROT -- Sclerotinia Sclerotiorum (Lib.) de Bary

ONTARIO
Found in plots at Central Experimental Farm both years.

ALBERTA
1928 - Observed in plots at Edmonton.

BRITISH COLUMBIA
1928 - Reported from Trail.

ROOT ROT -- Plenodomus meliloti Dearn. & Sanford.

ALBERTA
1928 - Common on alfalfa.

CLOVER

- 28 -

CLOVER.

RUST -- Uromyces Trifolii (Hedw. f.) Lev. and
U. Trifolii-repentis (Cast.) Lirc.

NEW BRUNSWICK

1927 - General infection but no serious damage.

1928 - Only a few cases observed.

ONTARIO

1928 - Common at Ottawa.

POWDERY MILDEW -- Erysiphe Polygoni DC.

NEW BRUNSWICK

1927 - General moderate infection.

1928 - Quite general and severe in many localities.

QUEBEC

1927 - Reported from Lachute and St. Felicien.

SASKATCHEWAN

1927 - Fairly heavy infection on lower leaves at
University plots, Saskatoon.

ALBERTA

1927 - Abundant in different parts of the province.

1928 - Fairly common on different species of Trifolium,
but caused little loss.

ROOT ROT -- Flenodomus Meliloti Dearn. & Sanford.

ALBERTA

1928 - This disease was very common, often causing severe
damage.

LEAF SPOT -- Pseudopeziza Trifolii Fuck.

NEW BRUNSWICK

1927 - Slight general infection.

1928 - Only one case reported.

CLOVER
SWEET CLOVER
CORN

SOOTY SPOT -- Dothidella Trifolii (Pers.) Bayl.
Elliott & Stansf.
(Polythrincium Trifolii Kunze).

NEW BRUNSWICK

1927 - Slight general infection.

1928 - A few cases were observed in York county.

MOSAIC

NEW BRUNSWICK

1927 - Isolated specimens only found.

1928 - Of quite rare occurrence.

SWEET CLOVER.

STEM CANKER -- Ascochyta Meliloti (Trel.) Davis

SASKATCHEWAN

1927 - Light injury reported from Saskatoon and Yorkton.

ALBERTA

1928 - Often severe accompanied by appreciable damage.

WHITE SPOT -- Cause undetermined.

BRITISH COLUMBIA

1928 - Reported at Trail.

CORN.

SMUT -- Ustilago Maydis (DC.) Cda.

NEW BRUNSWICK

1927 - Slight infection in York county.

1928 - There was quite a severe outbreak at the Dominion Experimental Station, Fredericton.

QUEBEC

1928 - A 5 per cent infection was found in a small half-acre field at Ste. Anne de la Pocatiere. The disease was very severe.

CORN
FLAX

-30-

ONTARIO

- 1927 - Observed at Ottawa both years. Several specimens
1928 submitted by correspondents. Isolated cases reported from the Niagara district in 1928.

MANITOBA

- 1928 - Very heavy infection of corn smut on a piece of land which had grown corn continuously for many years. Severity of infection 8 to 10 per cent.

SASKATCHEWAN

- 1927 - Slight infections reported from Indian Head and Montmartre.

BRITISH COLUMBIA

- 1928 - Observed at Nelson.

FLAX

RUST -- Melampsora Lini (Pers.) Desm.

ONTARIO

- Present in the experimental plots at Ottawa both years.

MANITOBA

- 1928 - In an excellent crop of flax at Graysville, 100 per cent of the plants were infected with rust. Severity of infection varied from a trace to 8 per cent.

SASKATCHEWAN

- 1927 - Common throughout the southern part of the province.
1928 - Flax rust was common this year in southern Saskatchewan but generally slight or a mere trace. Reported from Indian Head, Almeda, Admiral, Plato, Young, Nokomis, Radville, and Hitchcock.

ALBERTA

- 1928 - Traces of this rust were found at Brooks and Edmonton.

WILT -- Fusarium Liri Bolley

SASKATCHEWAN

- 1927 - A plot at the University of Saskatchewan, which had been sown to flax continuously for some years was practically wiped out.

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.