

DISEASES OF FOREST AND SHADE TREES

BALSAM FIR (Abies balsamea (L.) Mill.)

WITCHES' BROOM RUST -- Melampsorella elatina (Alb. & Schw.) Arth.

Occasional occurrences were reported from Nova Scotia and New Brunswick in 1927 and 1928. 3

BEECH (Fagus grandifolia Ehrh.)

LEAF BLIGHT -- Gnomonia sp.

Perithecial stage found in King's county, Nova Scotia in 1927.

BIRCH (Betula spp.)

HEART ROT -- Fomes igniarius Fr.

Commonly present in many localities in New Brunswick in 1927 and 1928.

ANTHRACNOSE -- Gloeosporium betulosum Ell. & Mart.

One case reported from St. John county, New Brunswick in 1928.

LEAF SPOT -- Phyllosticta Betulae Ell. & Ev.

One case observed in York county, New Brunswick in 1928.

BUTTERNUT (Juglans sp.)

LEAF SPOT -- Marssonina juglandis (Lib.) P. Magnus

This disease was quite general in the St. John Valley in Sunbury county, New Brunswick, 1928.

BOX WOOD (Buxus sempervirens Thumb.)

ANTHRACNOSE -- Gloeosporium Louisiae Bauml?

Caused defoliation of a small tree in London, Ontario in 1928.

The following were also reported from London, Ontario.

Volutella Buxi (Cda.) Berk.
Verticillium Buxi (Link) Awd. & Fleisch.
Blennoria Buxi Fr.
Macrophoma Candollii (B. & Fr.) Berl. & Vogl.

CHESTNUT (Castanea dentata (Marsh.) Borkh.)

BLIGHT -- Endothia parasitica (Murr.) And.

According to reports from Welland county in 1928, this disease caused the death of many chestnut trees in the vicinity of Fenwick.

ELM (Ulmus americana L.)

LEAF SPOT -- Gnomonia ulmea (Sacc.) Thüm.

Slight infections occurred in New Brunswick in 1927 and 1928.

HEART ROT -- Fomes igniarius Fr.

Several cases of Heart Rot reported from New Brunswick in 1927 and 1928.

HAWTHORN (Crataegus sp.)

POWDERY MILDEW -- Phyllactinia corylea (Pers.) Karst.

Reported from Metchosin, British Columbia in 1928.

MAPLE (Acer)

TAR SPOT -- Rhytisma acerinum (Pers.) Fr.

Light infections were reported from York county, New Brunswick, in 1927 and 1928.

WILT -- Verticillium sp.

Reported as being quite severe in maple trees (Acer saccharum L., and Acer rubrum L.) used for shade and ornamental purposes at Fredericton, New Brunswick in 1928.

MAPLE

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POWDERY MILDEW -- Uncinula circinata Cke. & Pk.

Reported from Victoria, British Columbia.

ANTHRACNOSE -- Gloeosporium aprocryptum Ell. & Ev.

Reported from Chatham, Ontario in 1927 (Acer platanoides
L.).

CANKER -- Nectria cinnabarina (Tode) Fr.

Observed at Ottawa on Acer platanoides L., in 1928.

OAK (Quercus)

LEAF BLIGHT -- Gloeosporium nervisequum (Fckl.) Sacc.

This disease was very common in the vicinity of Ottawa in 1927 due to the excessive rain in May and June. It appeared to be confined to the White Oak (Quercus alba L.). It also caused premature defoliation at Senneville, Quebec, the white oaks being especially severely attacked.

PINE (Pinus)

WHITE PINE BLISTER RUST -- Cronartium ribicola Fisch.

Isolated cases were reported from Nova Scotia and New Brunswick in 1927 and 1928. One diseased tree found on private grounds at Ottawa in 1927.

POPLAR (Populus)

MILDEW -- Uncinula Salicis (DC.) Wint.

Slight infection reported from Indian Head, Saskatchewan in 1927.

LEAF SPOT -- Septoria populicola Peck.

Fairly heavy infections were observed in certain groves of Populus balsamifera L. at Saskatoon, Saskatchewan in 1928.

HYPOXYLON CANKER -- Hypoxylon pruinaum (Klotzsch)
Cke.

This disease was responsible for the killing of several trees at Annaheim, Saskatchewan, in 1928.

SPRUCE (Picea)

RUST -- Melampsoropsis ledicola (Pk.) Arth.

Reported from Kenora, Ontario, and from Jasper Park, Alberta in 1927.

LEAF RUST -- Chrysomyxa Weirii Jackson

A severe infestation was reported from Manitoba in 1928.

WILLOW (Salix)

BLIGHT -- Fusicladium saliciperduum (All. & Tub.)
Lind. and Physalospora Miyabeana Fukushi

This disease was exceedingly widespread in the Maritime Provinces and Quebec in 1927 and 1928 and caused severe damage.

TAR SPOT -- Rhytisma salicinum Fr.

Isolated infections were observed in New Brunswick in 1927 and 1928.

RUST -- Melampsora Bigelowii Thüm.

Light infections were reported in 1928 from King's county, Nova Scotia, St. Gregor, Saskatchewan, and Point Grey, British Columbia.

-WILLOW

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POWDERY MILDEW -- Uncinula Salicis (DC.) Wint.

Moderate to heavy infections were reported from Indian Head and Prudhomme, Saskatchewan in 1928.

HEART ROT -- Fomes ignarius Fr.

Several cases observed in some very old trees in York county, New Brunswick.

DIE BACK -- Valsa sp.

In certain years considerable dying back of the younger limbs appears to be due to this fungus at Saskatoon. Reported in 1927.