

Plant Diagnostic Clinic Blog

January—April 2017

The Clinic processed 42 samples during this time period. Of these samples, 36 were submitted for disease identification, 5 insect identifications and 1 plant identification. With the mild winter, foliar diseases of evergreens started fairly early. Follow the warm winter weather by record rainfall and fluctuating temperatures, the foliar diseases continue to plague ornamentals and other types of plants. A complete list of diagnosed diseases is below, those marked with an asterisk (*) were diagnosed more than once.

Agronomic crops:

Host	Diagnosis
Soybean (seed)	<i>Cercospora sojina</i>
Wheat	Barley Yellow Dwarf Virus* (BYDV)
Wheat	Cereal Yellow Dwarf Virus* (CYDV)

Vegetables:

Host	Diagnosis
Spinach	Aphids
Spinach	Cucumber Mosaic Virus (CMV)
Tomato	Corky root rot <i>Pyrenochaeta lycopersici</i>
Tomato	Thrips*
Tomato	Tomato Spotted Wilt Virus* (TWSV)

Fruits:

Host	Diagnosis
Grape	Eutypa dieback and canker <i>Eutypa spp.</i>
Grape	Borer damage

Ornamentals:

Host	Diagnosis
Arborvitae	False spider mites
Arborvitae	Scales
Arborvitae	Tip blight* <i>Pestalotiopsis spp.</i>
Boxwood	Boxwood leafminer* <i>Monarthropalpus flavus</i>
Boxwood	Volutella blight* <i>Volutella buxi</i>
Chrysanthemum	Aphids
Chrysanthemum	Thrips
Euonymus	Euonymus scale <i>Unaspis euonymi</i>
Gerber daisy	Broad mite <i>Polyphagotarsonemus latus</i>
Juniper	Tip blight* <i>Pestalotiopsis spp.</i>
Juniper	Spruce spider mite <i>Oligonychus ununguis</i>
Leyland Cypress	Tip blight <i>Pestalotiopsis spp.</i>

Petunia	Black root rot <i>Thielaviopsis basicola</i>
Petunia	Pythium root rot <i>Pythium spp.</i>
Spruce	Pine needle scale <i>Chionaspis pinifoliae</i>
Spruce	Needle blight <i>Stigmina lautii</i>
Spruce	Spruce spider mite <i>Oligonychus ununguis</i>
Spruce	Sudden needle drop* <i>Setomelanomma holmii</i>
Tulip tree	Scales
Yew	Root and crown rot <i>Phytophthora spp.</i>