

## Plant Diagnostic Clinic Blog

June 2016

June was a busy month, with high temperatures and very little rain. For the month there were 86 samples. Plant disease diagnosis was the most requested service, 82 samples, and 2 each for insect or plant identification. Of the plants submitted, ornamentals were the most numerous (Chart 1). A list of diagnosed diseases are listed below. Diseases marked with an asterisk (\*) were diagnosed more than once.

### Agronomic crops:

Host	Diagnosis
Alfalfa	Potato leafhopper
Corn	Anthracnose leaf blight ( <i>Colletotrichum graminicola</i> )
Corn	Gray leaf spot ( <i>Cercospora zea-maydis</i> )
Corn	Nematode damage
Corn	Pythium root rot (Pythium spp.)*
Corn	Rhizoctonia root rot (rhizoctonia spp.)
Soybean	Soybean cyst nematode ( <i>Heterodera glycines</i> )
Soybean	Stem canker ( <i>Rhizoctonia spp.</i> )

### Vegetables:

Host	Diagnosis
Cucumber	Bacterial leaf spot
Spinach	Bacterial leaf spot
Tomato	Bacterial canker ( <i>Clavibacter michiganensis michiganensis</i> )
Tomato	Fusarium wilt ( <i>Fusarium oxysporum</i> )*

### Fruits:

Host	Diagnosis
Apple	Fire blight ( <i>Erwinia amylovora</i> )
Grape	Leaf blight ( <i>Botrytis cinerea</i> )
Grape	Leaf spot ( <i>Pestalotiopsis spp.</i> )*
Grape	Phomopsis leaf spot ( <i>Phomopsis spp.</i> )

**Turf:**

<b>Host</b>	<b>Diagnosis</b>
Bentgrass	Algae
Bentgrass	Localized dry spot
Bentgrass	Pythium Root Dysfunction ( <i>Pythium spp.</i> )
Bentgrass	Pythium Root rot ( <i>Pythium spp.</i> )*
Bentgrass	Brown patch ( <i>Rhizoctonia spp.</i> )
Bentgrass	Fairy Ring

**Ornamentals:**

<b>Host</b>	<b>Diagnosis</b>
African Violet	Pythium root rot ( <i>Pythium spp.</i> )
Barberry	Root and crown rot ( <i>Phytophthora spp.</i> )
Cedar	Armored scales
Cedar	Bark beetle
Coleus	Spider mites
Forsythia	Eriophyid mites
Iris	Bacterial soft rot *
Knock Out Rose	Rose rosette virus
Maple	Anthraco nose
Maple	Heart rot
Oak	Iron Chlorosis
Pawpaw	Wood boring insect damage
Pine	Lophodermium leaf spot ( <i>Lophodermium spp.</i> )
Pine	Pine needle scale * ( <i>Chionaspis pinifoliae</i> )
Pine	Pine tortoise scale ( <i>Toumeyella parvicornis</i> )
Redbud	Eriophyid Mites
Redbud	Spider mites
Shingle oak	Dieback and Twig Blight ( <i>Botryosphaeria spp.</i> )
Shingle oak	Oak wilt ( <i>Ceratocystis fagacearum</i> )
Spruce	Rhizosphaera needle cast * ( <i>Rhizosphaera spp.</i> )

Spruce	Sudden needle drop—SNEED ( <i>Setomelanomma holmii</i> )
White Oak	Jumping oak gull wasp * ( <i>Neuroterus saltatorius</i> )
Vinca	Root rot ( <i>Phytophthora spp.</i> )

**Chart 1: Percentage of samples, submitted for disease diagnosis, by sample category**

