

Plant Diagnostic Clinic Blog

June 2015

Wow, was it a rainy June or what? The weather definitely slowed things down in the clinic. We had 69 samples, most submitted for disease diagnosis; but there were a couple plant (weed) and insect identifications as well. The sample submission trend has shifted from ornamentals to agronomic crops. With the water logged soil conditions we are seeing a lot of issues with nutrient imbalances and fungal diseases. And due to the continuous overcast skies, some plants are suffering from lack of sunlight. Things have been interesting to say the least.

Below are the tables showing what was diagnosed in June. Things marked with an asterisk (*) were diagnosed more than once.

Agronomic crops:

Host	Diagnosis
Corn	Chemical Injury (Abiotic disorder)
Corn	Environmental Stress; Problem (Abiotic disorder)
Corn	Holcus Spot (<i>Pseudomonas syringae</i>)*
Corn	Nutrient Imbalance (Abiotic disorder)
Corn	Pythium Root and/or Crown Rot (<i>Pythium spp.</i>)*
Soybean	Chemical Injury (Abiotic disorder)
Soybean	Pythium Damping Off (<i>Pythium spp.</i>)
Soybean	Pythium Root and/or Crown Rot (<i>Pythium spp.</i>)*
Wheat	Bacterial Leaf Streak (<i>Xanthomonas spp.</i>)*
Wheat	Scab (<i>Fusarium spp.</i>)

Vegetables:

Host	Diagnosis
Rhubarb	Slug damage
Tomato	Bacterial Canker (<i>Clavibacter michiganensis michiganensis</i>)*
Tomato	Early Blight (<i>Alternaria solani</i>)*
Tomato	Gray Mold (<i>Botrytis cinerea</i>)
Mixed Vegetables (tomato, eggplant, chard, peppers)	Herbicide Carryover (Abiotic Disorder)*

Fruits:

Host	Diagnosis
Blueberry	Alternaria Leaf Spot (<i>Alternaria spp.</i>)
Blueberry	Cultural/Environmental Problem (Abiotic disorder)
Cantaloupe	Cucurbit Bacterial Wilt (<i>Erwinia tracheiphila</i>)
Grape	Trunk disease (<i>Pestalotiopsis (Pestalotia) spp.</i>)

Turf:

Host	Diagnosis
Bentgrass	Pythium root rot (<i>Pythium spp.</i>)*
Bentgrass	Take-all (<i>Gaeumannomyces spp.</i>)
Fescue	Pythium root rot (<i>Pythium spp.</i>)
Turfgrass	Summer Patch (<i>Magnaportheiopsis poae</i>)
Turfgrass	Slime Mold

Ornamentals:

Host	Diagnosis
Elm	Dutch Elm Disease (<i>Ophiostoma spp.</i>)
Ash	Ash Flower Gall Mite (<i>Eriophyes fraxiniflora</i>)
Boxwood	Armored Scales
Boxwood	Macrophoma Leaf Spot (<i>Macrophoma spp.</i>)
Boxwood	Volutella Leaf Blight; Dieback (<i>Volutella spp.</i>)
Chinese Chestnut	Wood Decay Fungus (Unidentified fungus)
Eastern Red Cedar	Cercospora Needle Blight (<i>Cercospora spp.</i>)
Magnolia	Hail damage (Abiotic disorder)
Oak	Herbicide Injury; Exposure (Abiotic Disorder)*
Oak	Leafhopper damage (Abiotic Disorder)
Pin Oak	Spider Mites
Spruce	Phomopsis Tip Blight (<i>Phomopsis juniperovora</i>)
Spruce	Rhizosphaera Needle Cast (<i>Rhizosphaera spp.</i>)
Spruce	Scales
Spruce	Spruce Spider Mite (<i>Oligonychus ununguis</i>)
Witch Hazel	Phyllosticta Leaf Spot (<i>Phyllosticta hamamelidis</i>)