

10/6/2014

Happy autumn, I love watching the leaves change colors. I missed seasonal changes living in the Pacific Northwest and California. Things have slowed down at the Plant Diagnostic Clinic. There was a total of 53 samples, 51 for disease identification and 2 for identification of insects. For disease identification, during the first of the month there were more agronomic samples and by the end of the month we are getting mostly woody ornamentals. Besides submitted samples, there were many emails, phone calls and walk-ins with various plant issues. Some of the walk-ins included powdery mildew on ornamentals (big problem this year!), insect frass and sooty mold on fruits and chemical / environmental damage on various types of plants.

Below are the disease issues that have been through the Clinic. Those with marked with an asterisk (*) have been diagnosed more than once.

Agronomic Crops

Host	Diagnosis
Corn	Charcoal Rot (<i>Macrophomina phaseolina</i>)
Corn	Diplodia Ear Rot (<i>Diplodia maydis</i>)
Corn	Goss Wilt (<i>Clavibacter michiganensis nebraskensis</i>) *
Corn	Northern Corn Leaf Blight*
Corn	Pink Root
Corn	<i>Pythium</i> Stalk Rot
Soybean	Bacterial Blight (<i>Pseudomonas savastanoi</i>)
Soybean	Charcoal Rot (<i>Macrophomina phaseolina</i>) *
Soybean	Leaf Blight (<i>Cercospora kikuchii</i>)*
Soybean	Septoria Leaf Spot (<i>Septoria spp.</i>)
Soybean	Brown Stem Rot*
Soybean	Soybean Sudden Death Syndrome*

Fruit Crops

Host	Diagnosis
Apple	<i>Phytophthora</i> root rot

Vegetable Crops

Host	Diagnosis
Tomato	<i>Septoria</i> Leaf Spot

Turf

Host	Diagnosis
Bentgrass	Black Layer*
Bentgrass	<i>Magnaporthe</i> Summer Patch*
Bentgrass	<i>Pythium</i> Crown or Root Rot*
Bentgrass	<i>Rhizoctonia</i> Leaf Blight
Bentgrass	Sheath Blight
Bentgrass	Take-all
Bentgrass	Plant Parasitic Nematodes*
Zoysia	Chinch Bugs*

Ornamentals

Host	Diagnosis
Ash tree	Butt Rot (Unidentified Fungus)
Rhododendron	<i>Phytophthora</i> root rot
Maple	Cicada damage
Lavender	<i>Phytophthora</i> root rot
Ninebark	Powdery Mildew (<i>Phyllactinia</i> spp.)
Oak tree	Leaf Spot (<i>Tubakia</i> spp.)*
Oak tree	Oak Wilt *
Oak tree	Horned Oak Gall Wasp
Oak tree	Bacterial Leaf Scorch(<i>Xylella fastidiosa</i>)*