

## Plant Diagnostic Clinic Blog

May – July 2017

Below are lists of the diseases (disorders and pests are not listed) diagnosed by plant type. Diagnoses marked with asterisk (\*) were observed more than once.

### Agronomic crops:

Host	Diagnosis
Corn	Common rust* ( <i>Puccinia sorghi</i> )
Corn	Gray leaf spot* ( <i>Cercospora zea-maydis</i> )
Corn	Fusarium root rot ( <i>Fusarium spp.</i> )
Corn	Plant parasitic nematodes
Corn	Pythium damping off* ( <i>Pythium spp.</i> )
Corn	Pythium root rot* ( <i>Pythium spp.</i> )
Corn	Southern rust ( <i>Puccinia polysora</i> )
Fescue	Leaf rust ( <i>Puccinia spp.</i> )
Soybean	Phytophthora stem rot* ( <i>Phytophthora spp.</i> )
Soybean	Pythium root rot* ( <i>Pythium spp.</i> )
Soybean	Rhizoctonia stem canker ( <i>Rhizoctonia solani</i> )

Soybean	Bacterial blight ( <i>Pseudomonas syringae</i> pv. <i>glycinea</i> )
Triticale	Barley yellow dwarf virus (BYDV)
Wheat	Alternaria leaf blight ( <i>Alternaria</i> spp.)
Wheat	Barley yellow dwarf virus* (BYDV)
Wheat	Cereal yellow mosaic virus* (CYDV)
Wheat	Stripe rust ( <i>Puccinia striiformis</i> var. <i>striiformis</i> )
Wheat	Take-all ( <i>Gaeumannomyces graminis</i> var. <i>tritici</i> )
Wheat	Rust* ( <i>Puccinia triticina</i> f. sp. <i>tritici</i> )
Wheat	Powdery mildew ( <i>Blumeria graminis</i> f. sp. <i>tritici</i> )
Wheat	Wheat streak mosaic virus (WSMV)

**Vegetables:**

Host	Diagnosis
Cucumber	Alternaria leaf spot ( <i>Alternaria</i> spp.)
Cucumber	Anthracnose ( <i>Colletotrichum</i> spp.)
Onion	Bacterial blight

	<i>(Xanthomonas spp.)</i>
Pepper	Alternaria leaf spot <i>(Alternaria spp.)</i>
Tomato	Bacterial canker <i>(Clavibacter michiganensis michiganensis)</i>
Tomato	Bacterial leaf spot
Tomato	Early blight* <i>(Alternaria solani)</i>
Tomato	Fusarium wilt <i>(Fusarium oxysporum f.sp. lycopersici)</i>
Tomato	Powdery mildew*
Tomato	Root-knot nematode <i>(Meloidogyne spp.)</i>
Tomato	Stem lesion and leaf spot <i>(Cercospora spp.)</i>
Tomato	Tomato spotted wilt virus* (TSWV)

**Fruits:**

<b>Host</b>	<b>Diagnosis</b>
Apple	Cedar-apple rust <i>(Gymnosporangium juniper-virginianae)</i>
Apple	Shot hole <i>(Blumeriella spp.)</i>

Blueberry	Phomopsis twig blight and/or canker ( <i>Phomopsis vaccinia</i> )
Cherry	White rot ( <i>Trametes spp.</i> )
Grape	Pestalotiopsis canker ( <i>Pestalotiopsis spp.</i> )
Grape	Phomopsis dieback and canker ( <i>Phomopsis spp.</i> )
Peach	Root and crown rot ( <i>Phytophthora spp.</i> )
Watermelon	Alternaria leaf blight ( <i>Alternaria cucumerina</i> )
Watermelon	Root and crown rot ( <i>Phytophthora spp.</i> )
Watermelon	Root and crown rot* ( <i>Pythium spp.</i> )

**Turf:**

<b>Host</b>	<b>Diagnosis</b>
Bentgrass	Anthracnose basal rot ( <i>Colletotrichum spp.</i> )
Bentgrass	Fairy ring
Bentgrass	Pythium root rot* ( <i>Pythium spp.</i> )
Bluegrass	Dollar spot ( <i>Sclerotinia homeocarpa</i> )
Bluegrass	Powdery mildew

Fescue	Brown patch ( <i>Rhizoctonia solani</i> )
Zoysia	Large patch ( <i>Rhizoctonia solani</i> )
Zoysia	Yellow tuft ( <i>Sclerophthora macrospora</i> )

**Ornamentals:**

Host	Diagnosis
American elm	Dutch elm disease* ( <i>Ophiostoma novo-ulmi</i> )
Amur maple	Twig blight and dieback ( <i>Botryosphaeria spp.</i> )
Arborvitae	Root and crown rot ( <i>Phytophthora spp.</i> )
Arborvitae	Kabatina twig blight ( <i>Kabatina thujae</i> )
Arborvitae	Tip blight ( <i>Phomopsis spp.</i> )
Arborvitae	Seiridium canker ( <i>Seiridium unicorne</i> )
Boxwood	Volutella blight ( <i>Volutella buxi</i> )
Colorado blue spruce	Stigmina needle blight ( <i>Stigmina lautii</i> )
Corkscrew willow	Armillaria root rot ( <i>Armillaria spp.</i> )
Dogwood	Spot anthracnose ( <i>Elsinoe spp.</i> )

Japanese maple	Armillaria root rot ( <i>Armillaria spp.</i> )
Japanese maple	Twig blight and canker ( <i>Botryosphaeria spp.</i> )
Lavender	Root and crown rot ( <i>Phytophthora spp.</i> )
Norway maple	Twig blight and canker ( <i>Botryosphaeria spp.</i> )
Norway spruce	Tip blight and canker ( <i>Phomopsis spp.</i> )
Oakleaf hydrangea	Wood decay fungus
Ornamental pear	Cedar-apple rust* ( <i>Gymnosporangium juniper- virginianae</i> )
Ornamental pear	Fire blight ( <i>Erwinia amylovora</i> )
<i>Penstemon digitalis</i>	White mold ( <i>Sclerotinia sclerotiorum</i> )
Pin oak	Leaf spot ( <i>Tubakia dryina</i> )
Privet	Cercospora leaf spot ( <i>Cercospora spp.</i> )
Red oak	Oak wilt ( <i>Ceratocystis fagacearum</i> )
Tulip tree	Anthracnose
Yew	Tip blight ( <i>Pestalotiopsis spp.</i> )