

## Plant Diagnostic Clinic Blog

July 2016

July was a busy month in the Diagnostic Clinic. We had 97 submitted samples. Of these 93 were for disease diagnosis, 3 plant identifications and 1 insect identification. The types of plants submitted for disease diagnosis varied; there were 34 field crops, 30 turfgrass, 16 ornamental, 8 fruit and 5 vegetable. Below is a list of diagnosed issues, if it is marked with an asterisk (\*) it was diagnosed more than once.

### Agronomic crops:

| Host    | Diagnosis  |
|---------|--|
| Alfalfa | Summer Black Stem and Leaf spot<br>( <i>Cercospora spp.</i> )      |
| Corn    | Anthrachnose Leaf Blight<br>( <i>Colletotrichium graminicola</i> ) |
| Corn    | Common Rust<br>( <i>Puccinia sorghi</i> )                          |
| Corn    | Diplodia Stalk Rot<br>( <i>Diplodia spp.</i> )                     |
| Corn    | Pythium Root Rot<br>( <i>Pythium spp.</i> )*                       |
| Corn    | Southern Rust<br>( <i>Puccinia polysora</i> )                      |
| Soybean | Anthrachnose<br>( <i>Colletotrichium spp.</i> )*                   |
| Soybean | Damping Off<br>( <i>Fusarium spp.</i> )                            |
| Soybean | Damping Off<br>( <i>Phytophthora spp.</i> )                        |
| Soybean | Fusarium Root Rot<br>( <i>Fusarium spp.</i> )                      |
| Soybean | Phytophthora Stem Rot<br>( <i>Phytophthora spp.</i> )*             |
| Soybean | Leaf Blight<br>( <i>Cercospora kikuchii</i> )*                     |

|         |  |
|---------|--|
| Soybean | Pythium Root Rot ( <i>Pythium spp.</i> )                           |
| Soybean | Brown Stem Rot ( <i>Cadophora gregata</i> )                        |
| Soybean | Soybean Sudden death syndrome<br>( <i>Fusarium virguliforme</i> )* |

### Vegetables:

| Host          | Diagnosis  |
|---------------|--|
| Pumpkin       | Leaf Blight ( <i>Alternaria spp.</i> )                   |
| Tomato        | Early blight ( <i>Alternaria solani</i> )                |
| Yellow Squash | Crown and Root Rot<br>( <i>Phytophthora spp.</i> )*      |
| Yellow Squash | Fusarium crown and foot rot<br>( <i>Fusarium spp.</i> )* |

### Fruits:

| Host       | Diagnosis   |
|------------|---|
| Apple      | Bitter Rot ( <i>Colletotrichum spp.</i> )*                      |
| Cantaloupe | Anthracoise<br>( <i>Colletotrichum orbiculare</i> )             |
| Watermelon | Bacterial Fruit Blotch<br>( <i>Acidovorax avenae citrulli</i> ) |

### Turf:

| Host      | Diagnosis  |
|-----------|--|
| Bentgrass | Algae*   |
| Bentgrass | Basal Rot Anthracnose<br>( <i>Collectotrichum spp.</i> ) |
| Bentgrass | Summer Patch<br>( <i>Magnaporthiopsis poae</i> )*        |
| Bentgrass | Pythium Root Rot<br>( <i>Pythium spp.</i> )*             |
| Bentgrass | Take-all<br>( <i>Gaeumannomyces spp.</i> )*              |

|           |  |
|-----------|--|
| Bluegrass | Anthracnose Basal Rot<br>( <i>Collectotrichum spp.</i> ) |
| Fescues   | Leaf Rust ( <i>Puccinia spp.</i> )                       |
| Fescues   | Pythium Blight ( <i>Pythium spp.</i> )                   |

**Ornamentals:**

| <b>Host</b> | <b>Diagnosis</b>                                       |
|-------------|--|
| Arborvitae  | Needle Blight<br>( <i>Pestalotiopsis spp.</i> )        |
| Barberry    | Crown and Root Rot<br>( <i>Phytophthora spp.</i> )     |
| Blue Spruce | Spruce Spider Mite<br>( <i>Oligonychus ununguis</i> )  |
| Blue Spruce | Stigmata Needle Blight<br>( <i>Stigmata lautii</i> )   |
| Blue Spruce | Sudden needle drop<br>( <i>Setomelanomma holmii</i> )  |
| Juniper     | Armored scales   |
| Juniper     | Kabatina Tip Blight<br>( <i>Kabatina juniperi</i> )    |
| Juniper     | Tip Blight<br>( <i>Phomopsis juniperovora</i> )        |
| Juniper     | Spider mites   |
| Lisianthus  | Crown and Root Rot<br>( <i>Phytophthora spp.</i> )     |
| Oak         | Bacterial Leaf Scorch<br>( <i>Xylella fastidiosa</i> ) |
| Redbud      | Dieback, twig blight<br>( <i>Botryosphaeria spp.</i> ) |