

Choose the year for the report: 2006

**Diseases by Host:**

**Number of In State Samples in the year 2006 entered : 629**

**Ajuga(Ajuga reptans)**

- Rhizoctonia Root Rot (Rhizoctonia sp.) - ( 1 )

**Apple(Malus x domestica)**

- Cedar-apple Rust (Gymnosporangium juniperi-virginianae) - ( 1 )

**Arborvitae(Thuja sp.)**

- Needle Blight (Cercospora sequoiae) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )

**Ash(Fraxinus sp.)**

- Butt Rot (Undetermined pathogen ) - ( 1 )

**Aucuba(Aucuba japonica)**

- Anthracnose (Colletotrichum sp.) - ( 1 )

**Azalea(Rhododendron sp.)**

- Armillaria Root Rot (Armillaria sp.) - ( 1 )
- Phytophthora Root/Crown Rot (Phytophthora sp.) - ( 1 )
- Phytophthora Root Rot (Phytophthora sp.) - ( 1 )
- Rhizoctonia Root Rot (Rhizoctonia solani) - ( 1 )
- Saprophytic Fungus (Pestalotiopsis sp.) - ( 1 )
- Pestalotiopsis leaf spot (Pestalotiopsis sp.) - ( 1 )
- Pythium Root Rot (Pythium sp.) - ( 1 )
- Rhizoctonia Root Rot (Rhizoctonia sp.) - ( 1 )
- Canker, Undetermined ( Abiotic Problem ) - ( 1 )
- Inadequate Sample ( Abiotic Problem ) - ( 3 )
- No Disease ( Abiotic Problem ) - ( 7 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 3 )
- Environmental/nutritional Problem ( Abiotic Problem ) - ( 2 )
- Drought Suspected ( Abiotic Problem ) - ( 2 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 4 )

**Azalea(Rhododendron sp.)**

- Cercospora Leaf Spot (Cercospora handelii) - ( 1 )

**Azalea (Encore hybrids)(Rhododendron oldhamii x Rhododend)**

- No Disease ( Abiotic Problem ) - ( 1 )

- Inadequate Sample ( Abiotic Problem ) - ( 1 )

### **Bahiagrass(*Paspalum notatum*)**

- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )

### **Barberry(*Berberis* sp.)**

- Drought Suspected ( Abiotic Problem ) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )

### **Bean, Butter(*Phaseolus lunatus*)**

- Chemical Injury Suspected ( Abiotic Problem ) - ( 1 )
- Inadequate Sample ( Abiotic Problem ) - ( 1 )

### **Bean, Green(*Phaseolus vulgaris*)**

- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )

### **Begonia(*Begonia* sp.)**

- Anthracnose (*Colletotrichum* sp.) - ( 1 )

### **Bentgrass(*Agrostis* sp.)**

- Pythium Root Rot (*Pythium* sp.) - ( 3 )
- Pythium Root/Crown Rot (*Pythium* sp.) - ( 1 )
- Heat Stress ( Abiotic Problem ) - ( 4 )
- No Disease ( Abiotic Problem ) - ( 1 )

### **Bermudagrass(*Cynodon dactylon*)**

- Localized Dry Spot ( Abiotic Problem ) - ( 1 )

### **Bermudagrass(*Cynodon dactylon*)**

- Nematodes, Root Knot (*Meloidogyne* sp.) - ( 1 )

### **Bermudagrass(*Cynodon dactylon*)**

- Anthracnose Crown Rot (*Colletotrichum* sp.) - ( 1 )
- Spring Dead Spot (*Ophiosphaerella korrae*) - ( 1 )
- Helminthosporium Leaf Spot (*Bipolaris* sp.) - ( 1 )
- *Bipolaris* Leaf Spot (*Bipolaris* sp.) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )
- Cultural Problem ( Abiotic Problem ) - ( 2 )

### **Bermudagrass(*Cynodon dactylon*)**

- Helminthosporium Leaf Spot (*Bipolaris* sp.) - ( 2 )
- Helminthosporium Leaf Spot (*Drechslera* sp.) - ( 2 )
- *Bipolaris* Leaf Spot (*Bipolaris* sp.) - ( 3 )
- No Disease ( Abiotic Problem ) - ( 1 )

### **Bermudagrass(*Cynodon dactylon*)**

- Helminthosporium Leaf Spot (*Bipolaris* sp.) - ( 4 )
- Bipolaris Leaf Spot (*Bipolaris* sp.) - ( 9 )
- Bermudagrass (*Cynodon*) Rust (*Puccinia cynodontis*) - ( 2 )
- Anthracnose (*Colletotrichum* sp.) - ( 1 )
- Dollar Spot (*Sclerotinia homoeocarpa*) - ( 3 )
- Helminthosporium Leaf Spot (*Drechslera* sp.) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )

#### **Bermudagrass(*Cynodon dactylon*)**

- Bipolaris Leaf Spot (*Bipolaris* sp.) - ( 1 )

#### **Bermudagrass(*Cynodon dactylon*)**

- Nematodes, Root Knot (*Meloidogyne* sp.) - ( 1 )
- Cultural Problem ( Abiotic Problem ) - ( 1 )

#### **Bermudagrass (Tifgreen 328)(*Cynodon dactylon*)**

- Bipolaris Leaf Spot (*Bipolaris* sp.) - ( 1 )
- Helminthosporium Leaf Spot (*Bipolaris* sp.) - ( 1 )

#### **Blackberry(*Rubus* sp.)**

- Orange Felt (*Cephaleuros virescens*) - ( 1 )
- Double Blossom (*Cercospora rubi*) - ( 2 )
- Botrytis Fruit Rot (*Botrytis cinerea*) - ( 1 )
- Fruit Rot (*Cladosporium* sp.) - ( 1 )
- Crown Gall (*Agrobacterium tumefaciens*) - ( 1 )

#### **Blue Japanese Oak(*Quercus glauca*)**

- Phomopsis Canker (*Phomopsis* sp.) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )

#### **Blueberry(*Vaccinium* sp.)**

- Anthracnose (*Colletotrichum gloeosporioides*) - ( 1 )
- Anthracnose (*Glomerella cingulata*) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )
- Nutritional Problem Suspected ( Abiotic Problem ) - ( 1 )

#### **Bottlebrush(*Callistemon* sp.)**

- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )

#### **Bougainvillea(*Bougainvillea* sp.)**

- Environmental/nutritional Problem ( Abiotic Problem ) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )

#### **Boxwood(*Buxus* sp.)**

- Pythium Root Rot (*Pythium* sp.) - ( 1 )

- Volutella Leaf Blight and Stem Canker (*Volutella buxi*) - ( 2 )
- Low pH ( Abiotic Problem ) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 2 )

### **Boxwood, Common(*Buxus sempervirens*)**

- Macrophoma Leaf Spot (*Macrophoma* sp.) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )
- Cold Injury Suspected ( Abiotic Problem ) - ( 1 )
- Inadequate Sample ( Abiotic Problem ) - ( 1 )

### **Boxwood, English(*Buxus microphylla*)**

- Phytophthora Root Rot (*Phytophthora* sp.) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )

### **Burford Holly(*Ilex cornuta*)**

- Fusicoccum dieback (*Fusicoccum* sp.) - ( 1 )
- Cold Injury Suspected ( Abiotic Problem ) - ( 1 )

### **Cactus(*Gen. sp.*)**

- Edema Suspected ( Abiotic Problem ) - ( 1 )

### **Camellia(*Camellia sasanqua*)**

- Macrophoma Leaf Spot (*Macrophoma* sp.) - ( 1 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )

### **Camellia(*Camellia japonica*)**

- Algal Leaf Spot (*Cephaleuros* sp.) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )

### **Camellia(*Camellia japonica*)**

- Pestalotiopsis leaf spot (*Pestalotiopsis* sp.) - ( 1 )
- Edema ( Abiotic Problem ) - ( 1 )
- Root Dysfunction Suspected ( Abiotic Problem ) - ( 1 )

### **Cantaloupe(*Cucumis melo*)**

- Fusarium Root/Stem Rot (*Fusarium* sp.) - ( 1 )
- Gummy Stem Blight (*Phoma cucurbitacearum*) - ( 1 )
- Pythium Root Rot (*Pythium* sp.) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )

### **Carrot(*Daucus carota*)**

- Alternaria Leaf Spot (*Alternaria dauci*) - ( 1 )

### **Catalpa(*Catalpa sp.*)**

- No Disease ( Abiotic Problem ) - ( 1 )

### **Centipedegrass(*Eremochloa ophiuroides*)**

- Nematodes, Ring (*Criconemella* sp.) - ( 2 )
- Pythium Contamination (*Pythium* sp.) - ( 1 )
- Fusarium Contamination (*Fusarium* spp.) - ( 1 )
- Brown Patch (*Rhizoctonia solani*) - ( 10 )
- Take-all (*Gaeumannomyces graminis*) - ( 4 )
- Pythium Root Rot (*Pythium* sp.) - ( 1 )
- Anthracnose (*Colletotrichum* sp.) - ( 5 )
- Bipolaris Leaf Spot (*Bipolaris* sp.) - ( 2 )
- Dollar Spot (*Sclerotinia homoeocarpa*) - ( 1 )
- Large Patch (*Rhizoctonia solani*) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 2 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 2 )
- High pH ( Abiotic Problem ) - ( 1 )
- Fertilizer Injury ( Abiotic Problem ) - ( 1 )
- Iron Chlorosis ( Abiotic Problem ) - ( 1 )
- Inadequate Sample ( Abiotic Problem ) - ( 2 )
- Nutritional Problem Suspected ( Abiotic Problem ) - ( 1 )

### **Chaste Tree(*Vitex agnus-castus*)**

- Physical Sample Required ( Abiotic Problem ) - ( 1 )

### **Cherry(*Prunus* sp.)**

- No Disease ( Abiotic Problem ) - ( 1 )

### **Chrysanthemum(*Dendranthema x grandiflorum*)**

- Pythium Root Rot (*Pythium* sp.) - ( 2 )
- Chemical Injury Suspected ( Abiotic Problem ) - ( 3 )
- Physical Injury ( Abiotic Problem ) - ( 1 )

### **Citrus(*Citrus* sp.)**

- Saprophytic Fungus (*Colletotrichum gloeosporioides*) - ( 1 )
- Environmental/nutritional Problem ( Abiotic Problem ) - ( 1 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )

### **Clover(*Trifolium* sp)**

- No *Phakopsora* sp. sporulation ( Abiotic Problem ) - ( 1 )

### **Corn(*Zea mays*)**

- No Disease ( Abiotic Problem ) - ( 2 )
- Unknown ( Abiotic Problem ) - ( 1 )

### **Corn, Sweet(*Zea mays*)**

- Common Maize Rust (*Puccinia sorghi*) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 2 )

### **Cotton(*Gossypium* sp.)**

- Fusarium Root Rot (*Fusarium oxysporum*) - ( 1 )
- Ashy Stem Blight (*Macrophomina phaseolina*) - ( 2 )
- Cercospora Leaf Spot (*Cercospora gossypina*) - ( 4 )
- Stemphylium Gray Leaf Spot (*Stemphylium solani*) - ( 6 )
- Alternaria Leaf Spot (*Alternaria* sp.) - ( 1 )
- Leaf Spot (*Alternaria alternata*) - ( 1 )
- Nematodes, Root Knot Suspected ( ) - ( 1 )
- Fusarium wilt-root-knot nematode complex (*Fusarium oxysporum* (*vasinfectum*)) - ( 1 )
- Undetermined Injury ( Abiotic Problem ) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 2 )
- Chemical Injury Suspected ( Abiotic Problem ) - ( 1 )

### **Cowpea(*Vigna unguiculata*)**

- High Soluble Salts ( Abiotic Problem ) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 2 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )
- Undetermined ( Abiotic Problem ) - ( 1 )

### **Crabapple(*Malus* sp.)**

- Crown Gall (*Agrobacterium tumefaciens*) - ( 1 )
- Canker (*Fusicoccum* sp.) - ( 2 )
- Cedar-apple Rust (*Gymnosporangium juniperi-virginianae*) - ( 2 )
- Fire Blight (*Erwinia amylovora*) - ( 2 )

### **Crape Myrtle(*Lagerstroemia indica*)**

- Cercospora Leaf Spot (*Cercospora* sp.) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )
- Drought Suspected ( Abiotic Problem ) - ( 1 )

### **Cucumber(*Cucumis sativus*)**

- Nematodes, Root Knot (*Meloidogyne* sp.) - ( 1 )

### **Cypress(*Cupressus* sp.)**

- Inadequate Sample ( Abiotic Problem ) - ( 1 )

### **Cypress, Italian(*Cupressus sempervirens*)**

- Needle Blight (*Pestalotiopsis* sp.) - ( 1 )

### **Daylily(*Hemerocallis* sp.)**

- Leaf Streak (*Aureobasidium microstictum*) - ( 1 )

### **Dogwood(*Cornus florida*)**

- Powdery Mildew (*Oidium* sp.) - ( 1 )

### **Dogwood, Red-osier(*Cornus sericea*)**

- No Disease ( Abiotic Problem ) - ( 1 )

### **Dogwood, Undetermined(*Cornus* sp.)**

- Spot Anthracnose (*Elsinoe corni*) - ( 1 )
- Powdery Mildew (*Oidium* sp.) - ( 1 )
- Inadequate Sample ( Abiotic Problem ) - ( 1 )

### **Dragon Wing Begonia(*Begonia* x *hybrida*)**

- Botrytis Leaf Spot (*Botrytis cinerea*) - ( 1 )

### **Dwarf Burford(*Ilex cornuta*)**

- Cold Injury Suspected ( Abiotic Problem ) - ( 1 )

### **Elaeagnus(*Elaeagnus* sp.)**

- Cercospora Leaf Spot (*Cercospora* sp.) - ( 1 )
- Root bound ( Abiotic Problem ) - ( 1 )
- Undetermined Injury ( Abiotic Problem ) - ( 1 )

### **Elephant\*s-ear(*Colocasia* sp.)**

- No Disease ( Abiotic Problem ) - ( 1 )

### **Euonymus(*Euonymus* sp.)**

- Powdery Mildew (*Oidium* sp.) - ( 1 )

### **Fatshedera(*Fatshedera lizei*)**

- Inadequate Sample ( Abiotic Problem ) - ( 1 )
- Inadequate Information ( Abiotic Problem ) - ( 1 )

### **Fatsia(*Fatsia japonica*)**

- No Disease ( Abiotic Problem ) - ( 1 )

### **Fern(Undetermined sp.)**

- No Disease ( Abiotic Problem ) - ( 1 )

### **Fern, Boston(*Nephrolepis exaltata*)**

- Botrytis Leaf Spot (*Botrytis* sp.) - ( 1 )
- Sooty Mold (*Septobasidium* sp.) - ( 1 )
- Nutritional Problem Suspected ( Abiotic Problem ) - ( 1 )

### **Fern, Staghorn(*Platynerium* sp.)**

- Anthracnose (*Colletotrichum* sp.) - ( 1 )

### **Fescue(*Festuca* sp.)**

- Endophyte (*Acremonium coenophialum*) - ( 7 )

- Anthracnose (*Colletotrichum graminicola*) - ( 1 )
- Rust (*Puccinia* sp.) - ( 1 )

### **Fig, Common(*Ficus carica*)**

- Drought Suspected ( Abiotic Problem ) - ( 1 )

### **Firecracker Flower(*Crossandra* sp.)**

- Botrytis Blight (*Botrytis cinerea*) - ( 1 )

### **Foster Holly(*Ilex x attenuata*)**

- No Disease ( Abiotic Problem ) - ( 1 )

### **Gardenia(*Gardenia jasminoides*)**

- Rhizoctonia Root/Stem Rot (*Rhizoctonia* sp.) - ( 1 )
- Pythium Root Rot (*Pythium* sp.) - ( 1 )
- Pot Bound ( Abiotic Problem ) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 2 )

### **Ginkgo(*Ginkgo biloba*)**

- Chemical Injury Suspected ( Abiotic Problem ) - ( 1 )

### **Gourd(*Cucurbita* sp.)**

- Fusarium Wilt (*Fusarium* sp.) - ( 1 )

### **Gourd, Ornamental(*Cucurbita* sp.)**

- Cold Injury Suspected ( Abiotic Problem ) - ( 1 )

### **Grape(*Vitis* sp.)**

- Black Rot (*Phyllosticta ampellicida*) - ( 1 )

### **Grape, Muscadine(*Vitis rotundifolia*)**

- Macrophoma Rot (*Botryosphaeria dothidea*) - ( 1 )

### **Grass, Ornamental()**

- Dollar Spot (*Sclerotinia homoeocarpa*) - ( 2 )
- Brown Patch (*Rhizoctonia solani*) - ( 1 )
- Anthracnose (*Colletotrichum graminicola*) - ( 1 )
- Helminthosporium Leaf Spot (*Bipolaris* sp.) - ( 1 )
- Bermudagrass (*Cynodon*) Rust (*Puccinia cynodontis*) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )

### **Hawthorn, Indian(*Raphiolepis indica*)**

- Entomosporium Leaf Spot (*Entomosporium* sp.) - ( 1 )

- Root Dysfunction Suspected ( Abiotic Problem ) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )

### **Heliotrope(*Heliotropium arborescens*)**

- Chemical Injury Suspected ( Abiotic Problem ) - ( 1 )

### **Helleri Holly(*Ilex crenata*)**

- Root Dysfunction Suspected ( Abiotic Problem ) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 2 )
- Root bound ( Abiotic Problem ) - ( 1 )
- Inadequate Sample ( Abiotic Problem ) - ( 1 )

### **Hetz's Holly(*Ilex crenata*)**

- No Disease ( Abiotic Problem ) - ( 1 )

### **Hibiscus(*Hibiscus sp.*)**

- Alternaria Leaf Spot (*Alternaria sp.*) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )

### **Holly(*Ilex sp.*)**

- Anthracnose (*Colletotrichum sp.*) - ( 1 )
- Macrophoma Leaf Spot (*Macrophoma sp.*) - ( 1 )

### **Holly, Chinese(*Ilex cornuta*)**

- Cold Injury Suspected ( Abiotic Problem ) - ( 1 )

### **Holly, Japanese(*Ilex crenata*)**

- Web Blight (*Rhizoctonia solani*) - ( 1 )

### **Holly, Japanese(*Ilex* )**

- No Disease ( Abiotic Problem ) - ( 1 )

### **Honeysuckle, Coral(*Lonicera sempervirens*)**

- Undetermined ( Abiotic Problem ) - ( 1 )

### **Hydrangea(*Hydrangea sp.*)**

- Anthracnose (*Colletotrichum gloeosporioides*) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )

### **Hydrangea, Oak Leaf(*Hydrangea quercifolia*)**

- Girdling Root ( Abiotic Problem ) - ( 1 )

### **Impatiens(*Impatiens sp.*)**

Chemical Injury Suspected ( Abiotic Problem ) - ( 1 )

**Impatiens, Double(Impatiens sp.)**

- Alternaria Leaf Spot (Alternaria sp.) - ( 1 )
- Cladosporium Leaf Spot (Cladosporium sp.) - ( 1 )
- Corynespora Leaf Spot (Corynespora sp.) - ( 1 )

**Impatiens, New Guinea(Impatiens sp.)**

- Chemical Injury Suspected ( Abiotic Problem ) - ( 1 )

**Ivy, English(Hedera helix)**

- Anthracnose (Colletotrichum trichellum) - ( 1 )
- Cercospora Leaf Spot (Cercospora sp.) - ( 1 )
- Anthracnose (Colletotrichum sp.) - ( 3 )
- Leaf Necrosis (Macrophoma sp.) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )

**Japanese Boxwood(Buxus microphylla)**

- Drought Suspected ( Abiotic Problem ) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )

**Japanese Cleyera(Cleyera japonica)**

- Entomosporium Leaf Spot (Entomosporium sp.) - ( 1 )
- Inadequate Sample ( Abiotic Problem ) - ( 2 )
- No Disease ( Abiotic Problem ) - ( 1 )

**Japanese Millet(Echinochloa crus-galli var. frum)**

- No Disease ( Abiotic Problem ) - ( 1 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )

**Jasmine, Asiatic(Trachelospermum asiaticum)**

- Pestalotiopsis leaf spot (Pestalotiopsis sp.) - ( 1 )

**Juniper(Juniperus sp.)**

- Needle Blight (Cercospora sp.) - ( 1 )
- Charcoal Rot (Macrophomina phaseolina) - ( 1 )
- Saprophytic Fungus (Beltrania sp.) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 2 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )

**Kieffer Pear(Pyrus communis)**

- Fire Blight (Erwinia amylovora) - ( 1 )

**Kudzu(Pueraria lobata)**

- Soybean Rust (Phakopsora sp.) - ( 1 )
- Asian Soybean Rust (Phakopsora pachyrhizi) - ( 1 )

- No Phakopsora sp. sporulation ( Abiotic Problem ) - ( 3 )

### **Lawn(Gen. sp.)**

- Take-all (Gaeumannomyces graminis) - ( 1 )

### **Lemongrass(Cymbopogon citratus)**

- Eyespot Suspected (Bipolaris sp.) - ( 1 )

### **Leyland Cypress(Cupressocyparis leylandii)**

- Canker (Fusicoccum sp.) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 2 )
- Drought Suspected ( Abiotic Problem ) - ( 1 )

### **Liriope(Liriope sp.)**

- No Disease ( Abiotic Problem ) - ( 2 )

### **Loropetalum(Loropetalum chinense)**

- Pythium Root Rot (Pythium sp.) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 2 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )
- Root bound ( Abiotic Problem ) - ( 1 )

### **Magnolia, Southern(Magnolia grandiflora)**

- Algal Leaf Spot (Cephaleuros sp.) - ( 1 )
- Leaf Margin Necrosis (Sphaeropsis sp.) - ( 1 )
- Undetermined ( ) - ( 1 )
- Physical Sample Required ( Abiotic Problem ) - ( 1 )

### **Maple(Acer sp.)**

- Anthracnose (Discula sp.) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )
- Unknown ( Abiotic Problem ) - ( 1 )
- Drought ( Abiotic Problem ) - ( 1 )
- Undetermined ( Abiotic Problem ) - ( 1 )

### **Maple, Japanese(Acer palmatum)**

- Botryosphaeria Canker (Botryosphaeria sp.) - ( 1 )
- Anthracnose (Discula sp.) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 2 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )
- Drought Suspected ( Abiotic Problem ) - ( 1 )
- Root Dysfunction Suspected ( Abiotic Problem ) - ( 1 )

### **Maple, Red(Acer rubrum)**

- Anthracnose (Discula sp.) - ( 1 )
- Drought Suspected ( Abiotic Problem ) - ( 1 )

### **Maple, Sugar(*Acer saccharum*)**

- Drought Suspected ( Abiotic Problem ) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )

### **Mayhaw(*Crataegus opaca*)**

- Quince Rust (*Gymnosporangium clavipes*) - ( 1 )

### **Mulch()**

- No Disease ( Abiotic Problem ) - ( 1 )

### **Mushroom()**

- Fungus Identification ( Abiotic Problem ) - ( 1 )

### **Mustard(*Brassica juncea*)**

- Undetermined Injury ( Abiotic Problem ) - ( 1 )

### **Nandina(*Nandina domestica*)**

- Unknown ( Abiotic Problem ) - ( 1 )
- Undetermined Injury ( Abiotic Problem ) - ( 1 )

### **Oak(*Quercus sp.*)**

- Alcoholic Flux (*Bacteria nonpathogenic*) - ( 1 )
- Slime Flux (*Various Bacteria*) - ( 1 )
- Wood Rot Fungus (*Climacodon pulcherrimus*) - ( 1 )
- Chemical Injury ( Abiotic Problem ) - ( 1 )
- Chemical Injury Suspected ( Abiotic Problem ) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )

### **Oak, Live(*Quercus virginiana*)**

- Anthracnose (*Discula quercina*) - ( 2 )
- Leaf Blister (*Taphrina sp.*) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 3 )

### **Oak, Nuttall(*Quercus nuttallii*)**

- Root Dysfunction Suspected ( Abiotic Problem ) - ( 1 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )

### **Oak, Pin(*Quercus palustris*)**

- Wood Rot Fungus (*Inonotus dryadeus*) - ( 1 )

### **Oak, Red(*Quercus rubra*)**

- Chemical Injury Suspected ( Abiotic Problem ) - ( 1 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )

### **Oak, Water(*Quercus nigra*)**

- Leaf Blister (*Taphrina* sp.) - ( 1 )
- Powdery Mildew (*Erysiphe* sp.) - ( 1 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )

#### **Oak, White(*Quercus alba*)**

- Stress Symptoms ( Abiotic Problem ) - ( 1 )

#### **Okra(*Abelmoschus esculentus*)**

- Nematodes, Root Knot (*Meloidogyne* sp.) - ( 1 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )

#### **Oleander(*Nerium oleander*)**

- Anthracnose (*Colletotrichum* sp.) - ( 1 )

#### **Ornamental, Bedding Plants(*Gen. sp.*)**

- Anthracnose (*Colletotrichum* sp.) - ( 1 )

#### **Ornamental, Woody(*Gen. sp.*)**

- Macrophoma Leaf Spot (*Macrophoma* sp.) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 2 )
- Inadequate Sample ( Abiotic Problem ) - ( 1 )
- Inadequate Information ( Abiotic Problem ) - ( 1 )

#### **Palm, Pygmy Date(*Phoenix roebelenii*)**

- Wood Decay (White Rot) (Undetermined \*\*\*\*\* ) - ( 2 )

#### **Palm, Sago(*Cycas revoluta*)**

- Alternaria Leaf Spot (*Alternaria* sp.) - ( 1 )
- Sooty Mold (*Septobasidium* sp.) - ( 1 )
- Nutritional Problem Suspected ( Abiotic Problem ) - ( 1 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 3 )

#### **Pansy(*Viola cornuta*)**

- Botrytis Leaf Spot (*Botrytis* sp.) - ( 1 )
- Pythium Root Rot (*Pythium* sp.) - ( 1 )
- Environmental/nutritional Problem ( Abiotic Problem ) - ( 1 )

#### **Pea(*Pisum sativum*)**

- Inadequate Sample ( Abiotic Problem ) - ( 1 )
- No Phakopsora sp. sporulation ( Abiotic Problem ) - ( 1 )

#### **Peach(*Prunus persica*)**

- Nematodes, Root Knot (*Meloidogyne* sp.) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )

### **Peanut(*Arachis hypogaea*)**

- Fusarium Root/Crown Rot (*Fusarium* sp.) - ( 1 )
- Tomato Spotted Wilt (Tomato Spotted Wilt virus) - ( 2 )
- Pythium Pod/Stem Blight (*Pythium* sp.) - ( 1 )
- Pod Rot (*Sclerotium rolfsii*) - ( 1 )
- Environmental Problem ( Abiotic Problem ) - ( 1 )

### **Pear(*Pyrus communis*)**

- Quince Rust (*Gymnosporangium clavipes*) - ( 1 )
- Fire Blight (*Erwinia amylovora*) - ( 1 )
- Scab (*Venturia* Sp.) - ( 1 )
- Chemical Injury Suspected ( Abiotic Problem ) - ( 1 )

### **Pear, Ornamental(*Pyrus calleryana*)**

- Fire Blight (*Erwinia amylovora*) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 2 )
- Chemical Injury Suspected ( Abiotic Problem ) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )

### **Pecan(*Carya illinoensis*)**

- Scab (*Cladosporium caryigenum*) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 2 )

### **Pepper(*Capsicum* sp.)**

- Pythium Root/Crown Rot (*Pythium* sp.) - ( 1 )
- Tomato Spotted Wilt (Tomato Spotted Wilt virus) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )

### **Periwinkle, Large(*Vinca major*)**

- Cultural Problem ( Abiotic Problem ) - ( 1 )

### **Periwinkle, Madagascar(*Catharanthus roseus*)**

- Phytoplasma Disease (*Phytoplasma*) - ( 1 )
- Chemical Injury Suspected ( Abiotic Problem ) - ( 1 )
- Undetermined ( Abiotic Problem ) - ( 1 )

### **Persimmon, Japanese(*Diospyros kaki*)**

- Dieback, Undetermined (Undetermined pathogen) - ( 1 )

### **Petunia(*Petunia x hybrida*)**

- Alternaria Leaf Spot (*Alternaria* sp.) - ( 1 )
- Cladosporium Bud Blight (*Cladosporium* sp.) - ( 1 )

### **Phlox(*Phlox* sp.)**

- No Disease ( Abiotic Problem ) - ( 1 )

**Photinia(Photinia x fraseri)**

- Undetermined Injury ( Abiotic Problem ) - ( 1 )

**Pine, Loblolly(Pinus taeda)**

- Pitch Canker (Fusarium moniliforme) - ( 1 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )

**Plum(Prunus sp.)**

- Brown Rot (Monilinia sp.) - ( 1 )

**Poinsettia(Euphorbia pulcherrima)**

- Pythium Root Rot (Pythium sp.) - ( 2 )

**Privet(Ligustrum sp.)**

- Cercospora Leaf Spot (Cercospora sp.) - ( 2 )
- Anthracnose (Colletotrichum sp.) - ( 1 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )

**Quince, Flowering(Chaenomeles speciosa)**

- Fire Blight (Erwinia amylovora) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )

**Quince, Japanese Flowering(Chaenomeles japonica)**

- Leaf Blotch (Cladosporium sp.) - ( 1 )

**Raspberry(Rubus sp.)**

- Physical Sample Required ( Abiotic Problem ) - ( 1 )

**Redcedar, Eastern(Juniperus virginiana)**

- Cedar-apple Rust (Gymnosporangium juniperi-virginianae) - ( 1 )

**Redwood, Coast(Sequoia sempervirens)**

- Needle Blight (Pestalotiopsis sp.) - ( 1 )

**Rocky Creek Japanese Holly(Ilex crenata)**

- No Disease ( Abiotic Problem ) - ( 1 )

**Rose(Rosa sp.)**

- Black Spot (Diplocarpon rosae) - ( 3 )
- Rose Rosette (Undetermined Virus ) - ( 1 )
- Phytophthora Root Rot (Phytophthora sp.) - ( 1 )
- Armillaria Root Rot (Armillaria sp.) - ( 1 )
- Undetermined Injury ( Abiotic Problem ) - ( 1 )

- No Disease ( Abiotic Problem ) - ( 6 )
- Chemical Injury Suspected ( Abiotic Problem ) - ( 1 )

### **Ruellia(Ruellia brittoniana)**

- No Disease ( Abiotic Problem ) - ( 1 )

### **Ryegrass(Lolium sp.)**

- Rust (Puccinia sp.) - ( 2 )

### **Ryegrass, Annual(Lolium multiflorum)**

- Blast disease suspected (Pyricularia sp.) - ( 1 )
- Dollar Spot (Sclerotinia homoeocarpa) - ( 1 )

### **Satsuma(Citrus reticulata)**

- Undetermined ( Abiotic Problem ) - ( 1 )

### **Snapdragon(Antirrhinum majus)**

- Rust (Puccinia antirrhini) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )

### **Soybean(Glycine max)**

- Brown Spot (Septoria glycines) - ( 3 )
- Frogeye Leaf Spot (Cercospora soja) - ( 1 )
- Cercospora Blight (Cercospora kikuchii) - ( 1 )
- Charcoal Rot (Macrophomina phaseolina) - ( 1 )
- No Phakopsora sp. sporulation ( Abiotic Problem ) - ( 11 )
- No Disease ( Abiotic Problem ) - ( 6 )
- Unknown ( Abiotic Problem ) - ( 1 )
- Chemical Injury Suspected ( Abiotic Problem ) - ( 1 )
- Water Injury ( Abiotic Problem ) - ( 1 )
- Environmental Problem ( Abiotic Problem ) - ( 1 )
- Nutritional Problem Suspected ( Abiotic Problem ) - ( 1 )
- Undetermined Injury ( Abiotic Problem ) - ( 1 )

### **Spruce, Blue(Picea pungens)**

- Rhizosphaera Needle Cast (Rhizosphaera kalkhoffii) - ( 1 )

### **St. Augustinegrass(Stenotaphrum secundatum)**

- Take-all (Gaeumannomyces graminis) - ( 42 )
- Brown Patch (Rhizoctonia solani) - ( 16 )
- Dollar Spot (Sclerotinia homoeocarpa) - ( 1 )
- Fusarium Contamination (Fusarium spp.) - ( 2 )
- Brown Patch (Rhizoctonia sp.) - ( 2 )
- Anthracnose Crown Rot (Colletotrichum sp.) - ( 1 )
- Gray Leaf Spot (Pyricularia grisea) - ( 3 )
- Curvularia Leaf Spot (Curvularia sp.) - ( 1 )
- Anthracnose (Colletotrichum sp.) - ( 1 )

- No Disease ( Abiotic Problem ) - ( 4 )
- Inadequate Sample ( Abiotic Problem ) - ( 2 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 3 )
- Cultural Problem ( Abiotic Problem ) - ( 2 )

### **Sunflower(*Helianthus sp.*)**

- Alternaria Leaf Spot (*Alternaria helianthi*) - ( 1 )
- Head Rot (*Rhizopus sp.*) - ( 1 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )

### **Sweet Bay(*Magnolia virginiana*)**

- Powdery Mildew (*Microsphaera sp.*) - ( 1 )

### **Sweetpotato(*Ipomoea batatas*)**

- Charcoal Rot (*Macrophomina phaseolina*) - ( 1 )
- Fusarium Surface Rot (*Fusarium oxysporum*) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )
- Unknown ( Abiotic Problem ) - ( 3 )
- No Disease ( Abiotic Problem ) - ( 1 )

### **Sycamore(*Platanus occidentalis*)**

- Botryosphaeria Canker (*Botryosphaeria sp.*) - ( 1 )
- Diplodia Dieback (*Diplodia sp.*) - ( 1 )
- Drought Suspected ( Abiotic Problem ) - ( 2 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 2 )
- Chemical Injury Suspected ( Abiotic Problem ) - ( 1 )
- Inadequate Sample ( Abiotic Problem ) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )

### **Tomato(*Lycopersicon esculentum*)**

- Botrytis Blight (*Botrytis sp.*) - ( 1 )
- Tomato Yellow Leaf Curl (Tomato Yellow Leaf Curl Virus) - ( 1 )
- Tomato Spotted Wilt Suspected ( ) - ( 1 )
- Late Blight (*Phytophthora infestans*) - ( 1 )
- Bacterial Stem Rot (*Erwinia carotovora*) - ( 2 )
- Tomato Spotted Wilt (Tomato Spotted Wilt virus) - ( 12 )
- Southern Bacterial Wilt (*Ralstonia solanacearum*) - ( 4 )
- Early Blight (*Alternaria solani*) - ( 1 )
- Southern Bacterial Wilt Suspected (*Ralstonia solanacearum*) - ( 1 )
- Bacterial Soft Rot (*Erwinia sp.*) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )
- Chemical Injury Suspected ( Abiotic Problem ) - ( 2 )
- Inadequate Sample ( Abiotic Problem ) - ( 5 )
- Edema Suspected ( Abiotic Problem ) - ( 1 )
- Undetermined Injury ( Abiotic Problem ) - ( 1 )
- Chemical Injury ( Abiotic Problem ) - ( 2 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 3 )
- High Soluble Salts ( Abiotic Problem ) - ( 1 )
- Inadequate Information ( Abiotic Problem ) - ( 1 )

- High Soluble Salts Suspected ( Abiotic Problem ) - ( 1 )
- Physiological Problem ( Abiotic Problem ) - ( 1 )

#### **Tree(Gen. sp.)**

- No Disease ( Abiotic Problem ) - ( 1 )
- Root Dysfunction Suspected ( Abiotic Problem ) - ( 1 )

#### **Turnip(Brassica rapa)**

- Cercospora Leaf Spot (Cercospora brassicicola) - ( 1 )

#### **Unknown( )**

- Undetermined Injury ( Abiotic Problem ) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 2 )

#### **Verbena(Verbena sp.)**

- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )

#### **Viburnum(Viburnum awabuki)**

- Unknown ( Abiotic Problem ) - ( 1 )

#### **Viburnum(Viburnum sp.)**

- Cold Injury Suspected ( Abiotic Problem ) - ( 1 )

#### **Violet(Viola sp.)**

- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )

#### **Water Primrose(Ludwigia sp.)**

- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )

#### **Watermelon(Citrullus lanatus)**

- Cercospora Leaf Spot (Cercospora sp.) - ( 1 )
- Cercospora Leaf Spot (Cercospora citrullina) - ( 1 )
- Gummy Stem Blight (Didymella bryoniae) - ( 1 )
- Phytophthora Stem Rot (Phytophthora capsici) - ( 1 )
- Insect Problem Suspected ( ) - ( 1 )
- Cultural/Environmental Problem ( Abiotic Problem ) - ( 1 )

#### **Wax Myrtle(Myrica cerifera)**

#### **Wheat(Triticum aestivum)**

- Stripe Rust (Puccinia striiformis) - ( 2 )
- Saprophytic Fungus (Epicoccum sp.) - ( 1 )

#### **Winter Savory(Satureja montana)**

- Pythium Root/Crown Rot (Pythium sp.) - ( 1 )

### **Wishbone Flower(*Torenia sp.*)**

- Chemical Injury Suspected ( Abiotic Problem ) - ( 2 )

### **Yaupon(*Ilex vomitoria*)**

- Undetermined ( Abiotic Problem ) - ( 1 )

### **Yew(*Taxus* )**

- Phytophthora Root Rot (*Phytophthora sp.*) - ( 1 )
- Verticillium Wilt (*Verticillium sp.*) - ( 1 )

### **Zoysiagrass(*Zoysia japonica*)**

- Rust (*Puccinia zoysiae*) - ( 1 )
- Brown Patch (*Rhizoctonia solani*) - ( 1 )
- Inadequate Sample ( Abiotic Problem ) - ( 1 )

### **Zoysiagrass(*Zoysia japonica*)**

- Large Patch (*Rhizoctonia solani*) - ( 2 )
- Helminthosporium Leaf Spot (*Bipolaris sorokiniana*) - ( 2 )
- Helminthosporium Leaf Spot (*Drechslera sp.*) - ( 1 )
- Curvularia Leaf Spot (*Curvularia sp.*) - ( 1 )
- Inadequate Sample ( Abiotic Problem ) - ( 3 )

### **Zoysiagrass(*Zoysia japonica*)**

- Bipolaris Leaf Spot (*Bipolaris sp.*) - ( 1 )
- Curvularia Leaf Spot Suspected (*Curvularia sp.*) - ( 1 )

### **Zucchini(*Cucurbita pepo*)**

- Chemical Injury ( Abiotic Problem ) - ( 1 )
- No Disease ( Abiotic Problem ) - ( 1 )
- Insect Injury Suspected ( Abiotic Problem ) - ( 1 )