

# Clemson University Plant Problem Clinic Report for January 1 – June 30, 2012

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# Clemson University Plant Problem Clinic and Nematode Assay Lab

## Report for January 1 – June 30, 2012

The Plant Problem Clinic (PPC) serves the people of South Carolina as a multidisciplinary lab that provides diagnoses of plant diseases and identifications of weeds and insect pests of plants and structures. Plant diseases, insect pests and weeds can reduce plant growth and development. Household insects can infest our food and cause structural damage to our homes. The Clemson University PPC addresses these problems by providing identifications, followed by management recommendations.

As a part of the Department of Plant Industry (DPI) in Regulatory Services, the PPC also helps to detect and document new plant pests and diseases in South Carolina and serves as an information resource for Clemson University Extension, teaching, regulatory and research personnel.

In the first half of 2012, the Plant Problem Clinic received 810 samples. The continued success of the Plant Problem Clinic could only be accomplished through the cooperation of numerous individuals in various disciplinary areas across the Clemson University system. During this reporting period, 18 people from 11 disciplinary areas contributed by identifying diseases, insects or plants or by providing management recommendations. Appreciation is expressed to all faculty and staff that contributed their time and effort.

Much gratitude goes out to the core lab staff. Lab Coordinator, Diana Low performed both lab and office duties while using her organizational skills to keep things running smoothly. Curt Colburn, the Molecular Biologist in charge of the Molecular Plant Pathogen Detection Lab (MPPD), assisted the Plant Problem Clinic by doing bacterial identifications, plus PCR reactions and ELISA tests in some cases. Special thanks are also extended to other primary identifiers; Entomologist, Tim Drake, Botanist, Dixie Damrel and Mycologist, Julia Kerrigan. Appreciation is also extended to Sarah Morrison, a Biology Student who is providing summer assistance in the lab, including the compilation of this report. Thanks also to Karen Vaughn, a graduate student who provided plant identifications when Dixie was away.

The Nematode Assay Lab received 590 samples during this reporting period. Dr. Paula Agudelo and her technician, David Harshman, continue to do an excellent job. On August 1, the Nematode Assay Lab will start using the Plant Diagnostic Information System (PDIS) that the PPC and MPPD lab use as a database and reporting system. Once this switch occurs, nematode results will no longer be available through the Agricultural Service Lab system. Although this may cause short term inconvenience, the reports that PDIS can generate will provide more useful, scientifically enhanced, information for our clients.

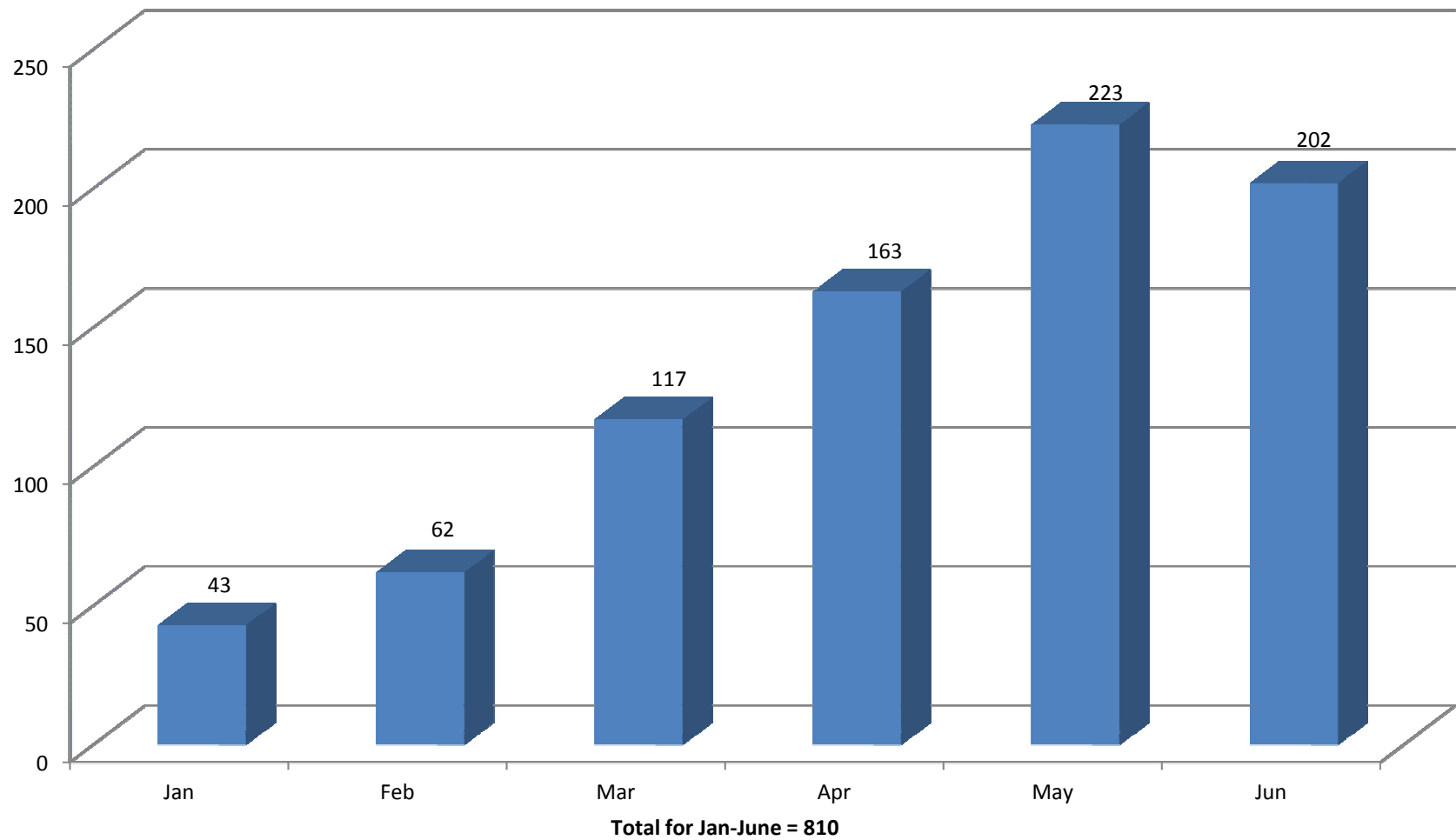
The Molecular Plant Pathogen Detection Lab processed 111 samples. Except for one out-of-state sample, these were all submitted by DPI Inspectors to detect regulated pathogens.

Meg Williamson, Diagnostician

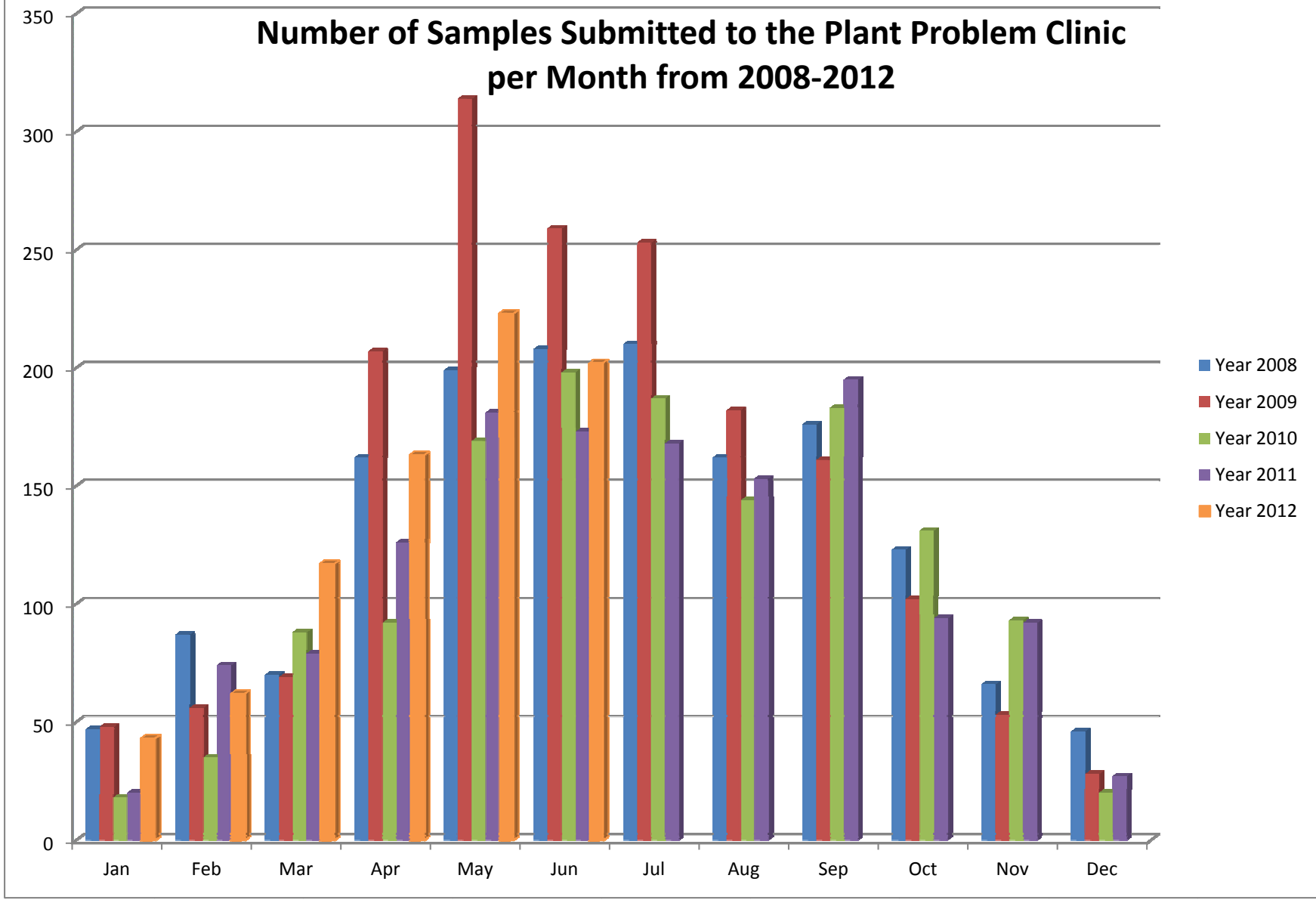
Initial Sample Handling	Diagnostic Inputs
<p><b>The following Personnel logged in samples for the Clinic from 01-Jan-2012 through 30-Jun-2012.</b></p>	<p><b>The following diagnosticians were involved in diagnosis or identification of samples from 01-Jan-2012 through 30-Jun-2012</b></p>
<p>Diana Low processed 715 samples. Meg Williamson processed 37 samples. Sarah Morrison processed 58 samples.</p>	<p><i>Each sample often involves more than one diagnostician. Hence, this section may not represent the total number of samples processed during this time period.</i></p> <p>Meg Williamson processed 679 samples. Eric Benson processed 36 samples. Julia Kerrigan processed 5 samples. Dixie Damrel processed 64 samples. Diana Low processed 10 samples. Timothy Drake processed 103 samples.</p>

Consultant Inputs	
<p><b>The following Advisory Consultants provided management recommendations for the Clinic from 01-Jan-2012 through 30-Jun-2012.</b></p>	
<p><i>Each sample may involve one or more advisory consultants. Hence, this section may not represent the total number of samples processed during the time period.</i></p>	
<p>Bert McCarty gave advice for 3 samples. Bob Polomski gave advice for 23 samples. Sally Brock gave advice for 2 samples. Corey Heaton gave advice for 7 samples. Desmond Layne gave advice for 1 sample. Joey Williamson gave advice for 25 samples. John Andrae gave advice for 4 samples. John Hains gave advice for 1 sample. Jonathan Schultheis gave advice for 1 sample.</p>	<p>Juang-Horng 'JC' Chong gave advice for 8 samples. Mike Marshall gave advice for 12 samples. Richard Hassell gave advice for 1 sample. Steve Jeffers gave advice for 1 sample. Tim Drake gave advice for 1 sample. Vic Shelburne gave advice for 1 sample. Wayne Mitchem, gave advice for 1 sample.</p>

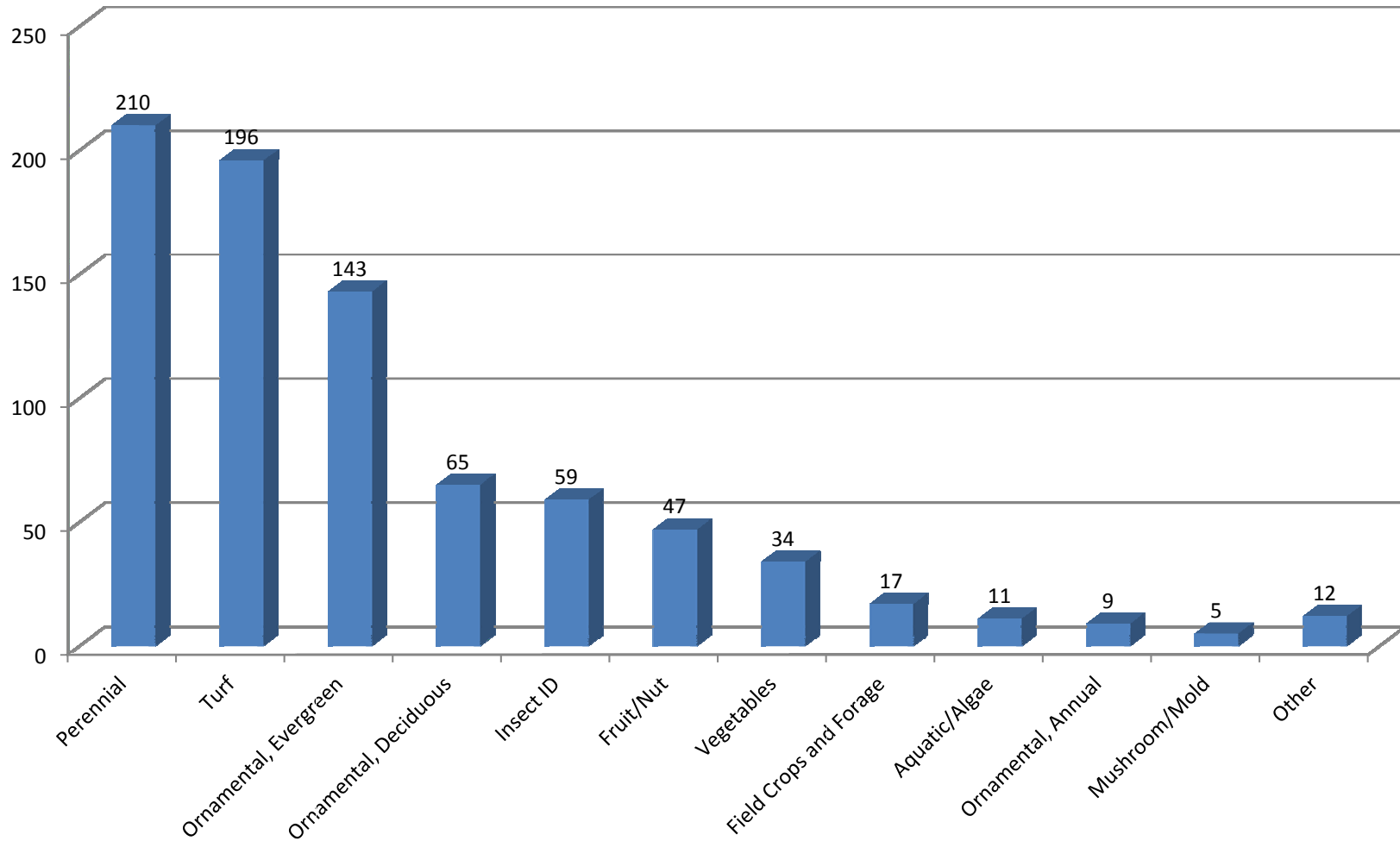
## Number of Samples Submitted to the Plant Problem Clinic per Month January-June 2012



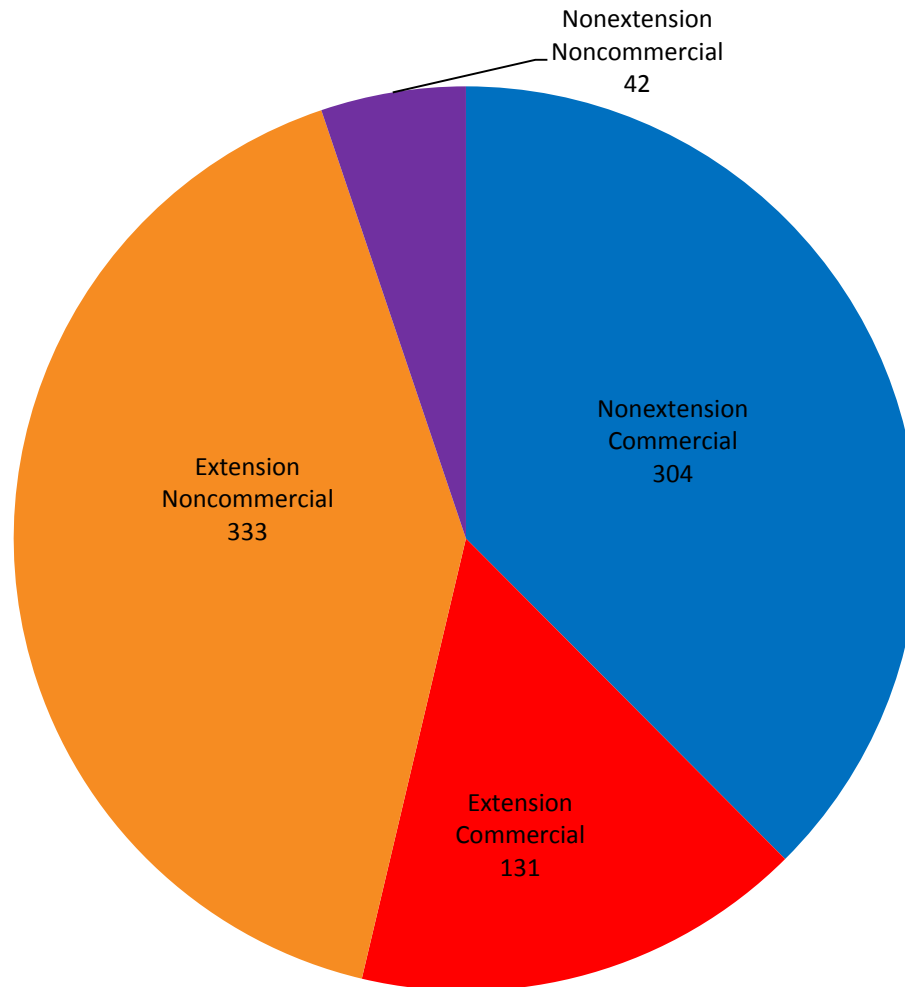
### Number of Samples Submitted to the Plant Problem Clinic per Month from 2008-2012



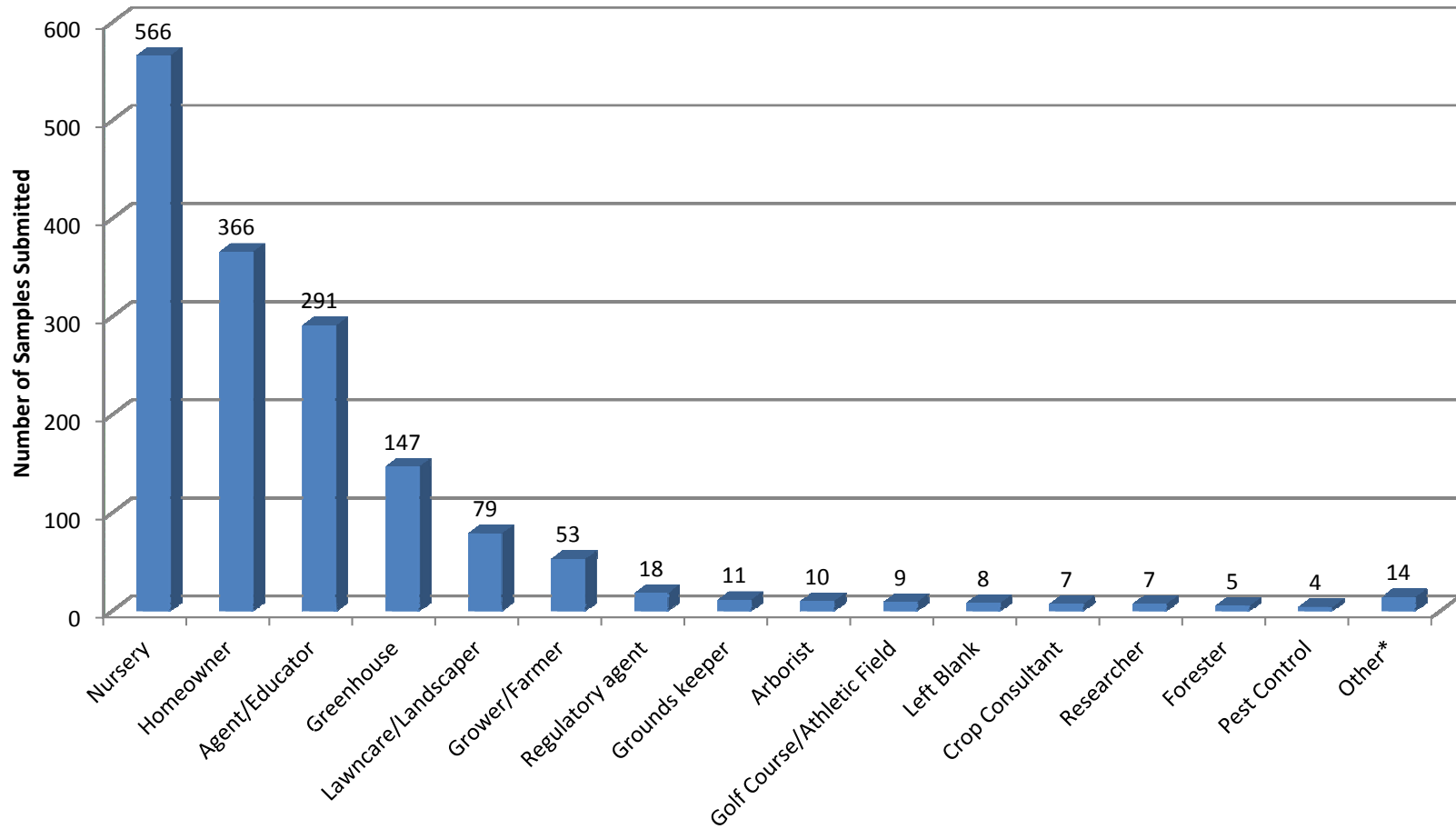
## Categories of Samples Submitted to the Plant Problem Clinic from January 1 through June 30, 2012



## Sources of Samples Submitted to the PPC from January 1 through June 30, 2012



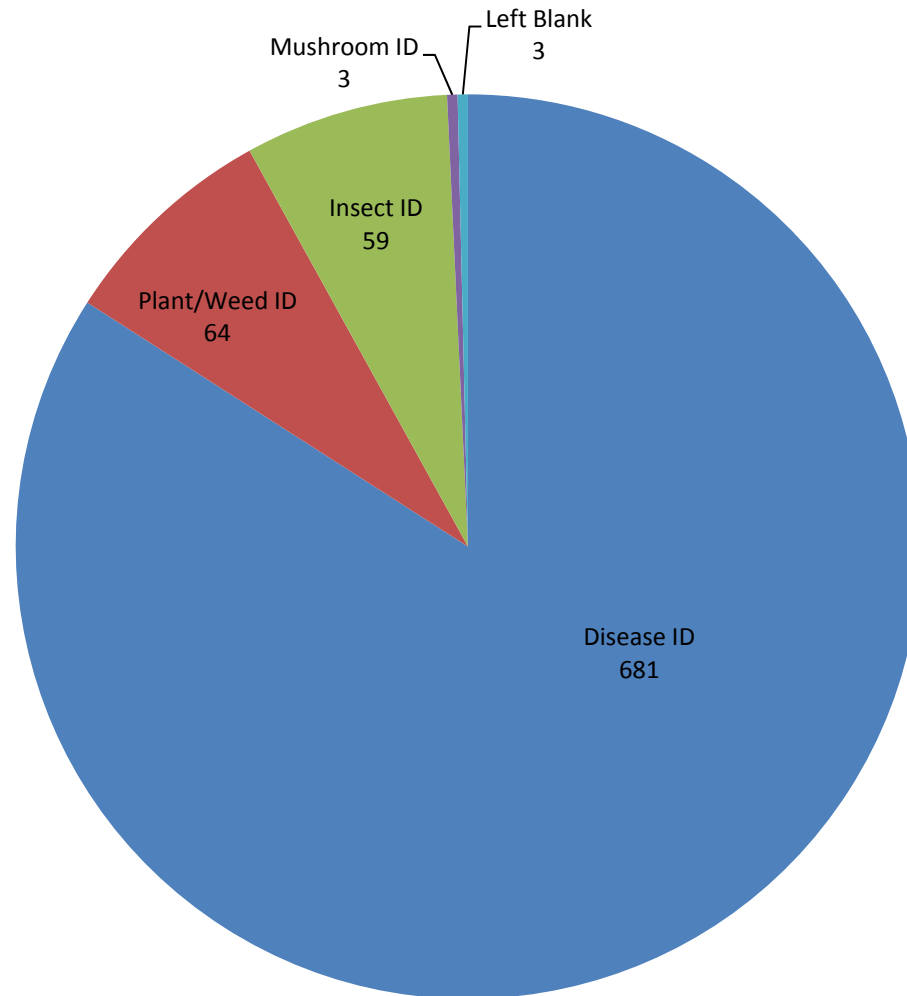
## Client Types Submitting Samples to PPC from January 1 through June 30, 2012



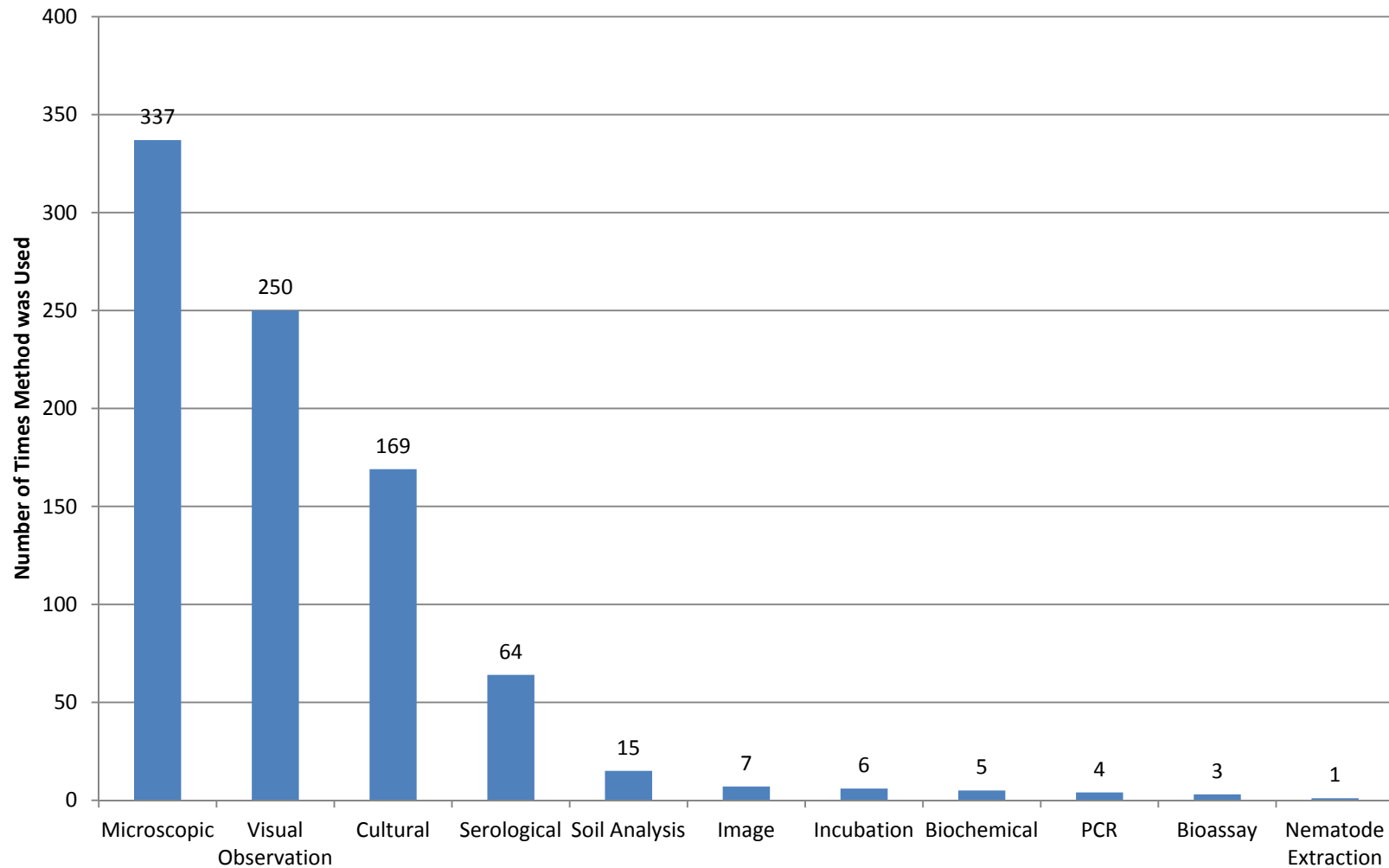
\* "Other" includes the following client types: Individual (2), Company/Firm (2), Tree Farm (2), Agribusiness (2), Florist (2), Garden Center (1), Veterinarian (1), Medical Doctor/Hospital (1), Public Grounds (1).



## Diagnoses/Identifications Requested for Samples from January 1 through June 20, 2012



**Methods Used for Diagnoses and Identifications at the PPC  
from January 1 through June 30, 2012  
(More than one method was used for many samples)**



**Samples of Regulatory Concern  
Submitted January 1 through June 20, 2012**

<b>Sample #</b>	<b>Submit Date</b>	<b>Host/Request</b>	<b>County</b>	<b>Diagnosis/ID</b>	<b>Confirmation</b>
P1200055	04/26/12	Camellia	Wake (NC)	Ramorum Blight ( <i>Phytophthora ramorum</i> )	Confirmed
P1200056	04/26/12	Camellia	Wake (NC)	Ramorum Blight ( <i>Phytophthora ramorum</i> )	Confirmed
P1200048	04/26/12	Camellia	Wake (NC)	Ramorum Blight ( <i>Phytophthora ramorum</i> )	Confirmed
201200511	05/18/12	Cucumber	Johnston (NC)	Cucurbit Downy Mildew ( <i>Pseudoperonospora cubensis</i> )	Confirmed
201200213	03/28/12	Cucumber	Wake (NC)	Cucurbit Downy Mildew ( <i>Pseudoperonospora cubensis</i> )	Confirmed
201200703	06/14/12	Impatiens	Richland	Downy Mildew ( <i>Plasmopara obducens</i> )	Confirmed
201200634	06/06/12	Geranium	Spartanburg	Bacterial Wilt ( <i>Ralstonia solanacearum</i> R3 B2)	Not Detected

Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
<b>American Sweetgum (<i>Liquidambar styraciflua</i>) 1</b>				
Herbicide Injury; Exposure (Abiotic disorder)	0	0	1	0
<b>Arborvitae (<i>Thuja sp./spp.</i>) 3</b>				
Additional Sample Requested (Identification Analysis)	0	0	0	1
Dieback; Canker; Twig Blight ( <i>Botryosphaeria sp./spp.</i> )	2	0	0	0
<b>Ash, Green (<i>Fraxinus pennsylvanica lanceolata</i>) 1</b>				
Unidentified Virus (Unidentified Virus)	0	0	0	1
<b>Astilbe (<i>Astilbe japonica</i>) 1</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
<b>Azalea, Formosa (<i>Rhododendron simsii formosa</i>) 3</b>				
Chemical; Environmental Injury (Abiotic disorder)	0	0	2	0
Phomopsis Dieback; Tip Blight; Canker ( <i>Phomopsis sp./spp.</i> )	1	0	0	0
<b>Azalea; Rhododendron (<i>Rhododendron sp./spp.</i>) 18</b>				
Additional Sample Requested (Identification Analysis)	0	0	0	1
Azalea Lace Bug ( <i>Stephanitis pyrioides</i> )	3	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Dieback; Canker; Twig Blight ( <i>Botryosphaeria sp./spp.</i> )	1	0	0	0
Freeze; Frost; Cold Damage (Abiotic disorder)	2	0	0	0
Herbicide Injury; Exposure (Abiotic disorder)	0	0	1	0
High pH Damage (Abiotic disorder)	1	0	0	0
Manganese Deficiency (Abiotic disorder)	1	0	0	0
No Pathogen Found (No Pathogen Found)	0	0	0	1
Phomopsis Dieback; Tip Blight; Canker ( <i>Phomopsis sp./spp.</i> )	1	0	0	0
Seasonal Leaf Drop (Abiotic disorder)	0	0	1	0
Southern Red Mite ( <i>Oligonychus ilicis</i> )	1	0	0	0
Spider Mites (Family Tetranychidae)	0	0	0	1
Twospotted Spider Mite ( <i>Tetranychus urticae</i> )	1	0	0	0
Unidentified Virus (Unidentified Virus)	0	0	0	1

Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
<b>Bamboo (true) (Bambusa sp./spp.) 1</b>				
Bamboo Mealybug ( <i>Antonina pretiosa</i> )	0	0	1	0
<b>Banana Shrub (<i>Michelia figo</i>) 1</b>				
Oedema; Edema (Abiotic disorder)	1	0	0	0
<b>Bluebeard (<i>Caryopteris sp./spp.</i>) 1</b>				
Moisture Stress (Abiotic disorder)	0	0	1	0
<b>Boxwood (<i>Buxus sp./spp.</i>) 4</b>				
Boxwood Leafminer ( <i>Monarthropalpus flavus</i> (buxi))	1	0	0	0
Boxwood Mite ( <i>Eurytetranychus buxi</i> )	0	0	1	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Root Problems (Abiotic disorder)	0	0	1	0
<b>Boxwood, Common (<i>Buxus sempervirens</i>) 6</b>				
Additional Sample Requested (Identification Analysis)	0	0	0	1
Boxwood Mite ( <i>Eurytetranychus buxi</i> )	1	0	1	0
Boxwood Volutella Blight; Canker ( <i>Volutella buxi</i> )	1	0	0	0
Greedy Scale ( <i>Hemiberlesia rapax</i> )	1	0	0	0
Macrophoma Blight; Dieback ( <i>Macrophoma sp./spp.</i> )	1	0	0	0
<b>Boxwood, Edging (<i>Buxus sempervirens</i> 'suffruticosa') 1</b>				
Unidentified Virus (Unidentified Virus)	0	0	1	0
<b>Boxwood Hybrids (<i>Buxus sp./spp. hybrids</i>) 4</b>				
Boxwood Volutella Blight; Canker ( <i>Volutella buxi</i> )	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Pythium Root and/or Crown Rot ( <i>Pythium sp./spp.</i> )	1	0	0	0
Stem Canker ( <i>Colletotrichum</i> (teleo. <i>Glomerella</i> ) sp./spp.)	1	0	0	0
<b>Boxwood, Japanese (<i>Buxus microphylla</i> var. <i>japonica</i>) 2</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Root Knot Nematodes ( <i>Meloidogyne sp./spp.</i> )	1	0	0	0
<b>Boxwood, Littleleaf (<i>Buxus microphylla</i>) 2</b>				
Boxwood Mite ( <i>Eurytetranychus buxi</i> )	0	0	1	0

Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
Planting Too Deep (Abiotic disorder)	1	0	0	0
<b>Camellia (Camellia sp./spp.) 5</b>				
Algal Leaf Spot (Cephaleuros virescens)	1	0	0	0
Camellia Yellow Mottle (Camellia Yellow Mottle Virus)	0	0	1	0
Tea Scale (Fiorinia theae)	3	0	0	0
<b>Camellia, Common (Camellia japonica) 13</b>				
Anthracnose; Colletotrichum Leaf Spot (Colletotrichum sp./spp.)	2	0	0	0
Cladosporium Bud Blight (Cladosporium sp./spp.)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	1	0	2	0
Eriophyid Mites (Family Eriophyidae)	0	0	0	1
Fusarium Root Rot (Fusarium sp./spp.)	1	0	0	0
Gray Leaf Blight (Pestalotiopsis sp./spp.)	1	0	0	0
Ramorum Blight (Phytophthora ramorum)	0	1	0	0
Tea Scale (Fiorinia theae)	1	0	0	0
Unidentified Virus (Unidentified Virus)	0	0	1	1
<b>Camellia, Sasanqua (Camellia sasanqua) 8</b>				
Anthracnose Leaf Blight (Glomerella (Colletotrichum) graminicola)	1	0	0	0
Camellia Leaf Gall (Exobasidium camelliae)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Dieback; Canker; Twig Blight (Botryosphaeria sp./spp.)	1	0	0	0
Fusarium Root Rot (Fusarium sp./spp.)	1	0	0	0
Phomopsis Dieback; Tip Blight; Canker (Phomopsis sp./spp.)	1	0	0	0
Unidentified Virus (Unidentified Virus)	0	0	0	1
<b>Canna Lily (Canna x generalis) 4</b>				
Alternaria Runner Rot (Alternaria sp./spp.)	2	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
<b>Cedar, Blue Atlas (Cedrus atlantica glauca) 1</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0

Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
<b>Cedar, Eastern Red (<i>Juniperus virginiana</i>) 2</b>				
Anthracnose; Colletotrichum Leaf Spot ( <i>Colletotrichum</i> sp./spp.)	1	0	0	0
Cedar-Quince Rust ( <i>Gymnosporangium clavipes</i> )	1	0	0	0
<b>Cedar, White (<i>Tabebuia heterophylla</i>) 1</b>				
Ants (Family Formicidae)	0	0	0	1
<b>Flowering Cherry (<i>Prunus</i> sp./spp.) 3</b>				
Eastern Tent Caterpillar ( <i>Malacosoma americanum</i> )	1	0	0	0
Leaf Spot ( <i>Pseudocercospora</i> sp./spp.)	1	0	0	0
White Peach Scale ( <i>Pseudaulacaspis pentagona</i> )	1	0	0	0
<b>Chinese Fringe flower (<i>Loropetalum chinense</i>) 8</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Dieback; Canker; Twig Blight ( <i>Botryosphaeria</i> sp./spp.)	1	0	0	0
High pH Damage (Abiotic disorder)	1	0	0	0
Manganese Deficiency (Abiotic disorder)	0	0	1	0
Phytophthora Root and Crown Rot ( <i>Phytophthora cinnamomi</i> )	1	0	0	0
Southern Red Mite ( <i>Oligonychus ilicis</i> )	1	0	0	0
No Pathogen Found (No Pathogen Found)	0	0	0	1
<b>Chinese Ground orchid (<i>Bletilla striata</i>) 1</b>				
Anthracnose; Colletotrichum Leaf Spot ( <i>Colletotrichum</i> sp./spp.)	1	0	0	0
<b>Chinese Lacebark elm (<i>Ulmus parvifolia</i>) 2</b>				
Cultivar Susceptability (Abiotic disorder)	0	0	1	0
Freeze; Frost; Cold Damage (Abiotic disorder)	0	0	1	0
<b>Chrysanthemum (<i>Chrysanthemum</i> sp./spp. hybrids) 3</b>				
No Pathogen Found (No Pathogen Found)	0	1	0	0
Poor Growing Conditions (Abiotic disorder)	0	0	0	1
Stemphylium Leaf Spot ( <i>Stemphylium</i> sp./spp.)	1	0	0	0
<b>Clematis (<i>Clematis</i> sp./spp.) 7</b>				
Botrytis Blight ( <i>Botrytis</i> sp./spp.)	2	0	0	0
Clematis Wilt; Leaf Spot ( <i>Phoma clematidina</i> )	4	0	0	0

Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
No Pathogen Found (No Pathogen Found)	0	1	0	0
<b>Cleyera, Japanese (Ternstroemia gymnanthera) 2</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
<b>Clover (Trifolium sp./spp.) 1</b>				
Slime Mold (Class Myxomycetes; Myxomycota)	0	0	0	1
<b>Columbine (Aquilegia sp./spp.) 1</b>				
White Mold (Stem Rot) (Sclerotinia sclerotiorum)	1	0	0	0
<b>Coneflower (Echinacea sp./spp.) 4</b>				
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
Common Thrips (Family Thripidae)	0	0	0	1
Fusarium Root Rot (Fusarium sp./spp.)	2	0	0	0
<b>Crape Myrtle (Lagerstroemia indica) 1</b>				
No Pathogen Found (No Pathogen Found)	0	0	0	1
<b>Cryptomeria (Cryptomeria sp./spp.) 1</b>				
Dieback; Canker; Twig Blight (Botryosphaeria sp./spp.)	1	0	0	0
<b>Cedar, Japanese (Cryptomeria japonica) 1</b>				
Pine Needle Scale (Chionaspis pinifoliae)	1	0	0	0
<b>Coleus; Common Flame Nettle (Coleus sp./spp.) 1</b>				
Henbit Downy Mildew (Peronospora lamii)	1	0	0	0
<b>Daylily (Hemerocallis sp./spp. hybrids)</b>				
Anthrachnose; Colletotrichum Leaf Spot (Colletotrichum sp./spp.)	1	0	0	0
Aphids (Plant Lice) (Family Aphididae)	0	0	0	1
Daylily Leaf Streak (Collecephalus hemerocallidis)	0	0	1	0
No Pathogen Found (No Pathogen Found)	0	30	0	0
Poor Root Development (Abiotic disorder)	2	0	0	0
Pythium Root and/or Crown Rot (Pythium sp./spp.)	1	0	0	0
Rhizoctonia Crown and Stem Rot (Rhizoctonia sp./spp.)	1	0	0	0
Rhizoctonia Root Rot (Rhizoctonia sp./spp.)	2	0	0	0
Spider Mites (Family Tetranychidae)	0	0	0	1



Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
<b>Dicentra (Dicentra sp./spp.)</b>				
Tobacco Rattle (Tobacco Rattle Virus (TRV))	1	0	0	0
<b>Dogwood (Cornus sp./spp.)</b>				
Insufficient Sample (Identification Analysis)	0	0	0	1
<b>Dogwood, Flowering (Cornus florida) 5</b>				
Chemical Injury (Abiotic disorder)	1	0	0	0
Mechanical Damage (Abiotic disorder)	0	0	1	0
No Pathogen Found (No Pathogen Found)	0	0	0	1
Powdery Mildew (Oidium sp./spp.)	1	0	0	0
Undetermined Injury or Pest (Identification Analysis)	0	0	0	1
<b>Dogwood, Pink Flowering (Cornus florida rubra) 2</b>				
Anthrachnose; Colletotrichum Leaf Spot (Colletotrichum sp./spp.)	1	0	0	0
Mechanical Damage (Abiotic disorder)	1	0	0	0
<b>Dogwood, Japanese (kousa) (Cornus kousa) 4</b>				
Bacterial Wetwood; Slime Flux (Enterobacter (Erwinia) nimipressuralis)	1	0	0	0
Environmental Stress; Problem (Abiotic disorder)	0	0	1	0
Phoma Blight; Dieback; Rot (Phoma sp./spp.)	1	0	0	0
Phomopsis Dieback; Tip Blight; Canker (Phomopsis sp./spp.)	1	0	0	0
<b>Elephant's Ear (Colocasia sp./spp.) 1</b>				
Pythium Root and/or Crown Rot (Pythium sp./spp.)	1	0	0	0
<b>Evening Primrose (Oenothera sp./spp.) 3</b>				
Phytophthora Crown and/or Root Rot (Phytophthora nicotianae)	1	0	0	0
Phytophthora Crown: Root and/or Stem Rot (Phytophthora sp./spp.)	1	0	0	0
Rhizoctonia Crown and Stem Rot (Rhizoctonia sp./spp.)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
<b>Ferns (Ferns; various genera sp./spp.) 3</b>				
Anthrachnose; Colletotrichum Leaf Spot (Colletotrichum sp./spp.)	1	0	0	0
Leafhoppers (Family Cicadellidae)	0	0	1	0
Phytophthora Crown: Root and/or Stem Rot (Phytophthora sp./spp.)	1	0	0	0

Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
<b>Fern, Holly (<i>Cyrtomium falcatum</i>) 2</b>				
Fusarium Root; Stem Rot ( <i>Fusarium solani</i> )	1	0	0	0
Unidentified Virus (Unidentified Virus)	0	0	1	0
<b>Fig (ornamental) (<i>Ficus sp./spp.</i>) 1</b>				
Peppervine ( <i>Ampelopsis arborea</i> )	1	0	0	0
<b>Firethorn (<i>Pyracantha sp./spp.</i>) 2</b>				
Spider Mites (Family Tetranychidae)	0	0	0	1
Woolly Apple Aphid ( <i>Eriosoma lanigerum</i> )	1	0	0	0
<b>Forget-me-not (<i>Myosotis sp./spp.</i>) 1</b>				
Nutrient Imbalance (Abiotic disorder)	0	0	1	0
<b>Fothergilla (<i>Fothergilla sp./spp.</i>) 1</b>				
Herbicide Injury; Exposure (Abiotic disorder)	0	0	1	0
<b>Foxglove (<i>Digitalis purpurea</i>) 1</b>				
Cultural/Environmental Problem (Abiotic disorder)	1	0	0	0
<b>Gardenia (<i>Gardenia sp./spp. hybrids</i>) 5</b>				
Cultural/Environmental Problem (Abiotic disorder)	1	0	1	0
Root and or Pot Bound (Abiotic disorder)	1	0	0	0
Scorch (Abiotic disorder)	0	0	1	0
<b>Geranium ('cultivated') (<i>Pelargonium sp./spp.</i>) 4</b>				
Bacterial Wilt ( <i>Ralstonia solanacearum</i> race 3 biovar 2)	0	1	0	0
Bacterial Wilt ( <i>Ralstonia solanacearum</i> )	0	1	0	0
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
Pythium Root and/or Crown Rot ( <i>Pythium sp./spp.</i> )	1	0	0	0
<b>Grace Ward lithodora (<i>Lithodora diffusa</i>) 1</b>				
Botrytis Blight ( <i>Botrytis sp./spp.</i> )	1	0	0	0
<b>Hemlock, Eastern (<i>Tsuga canadensis</i>) 1</b>				
Elongate Hemlock Scale ( <i>Fiorinia externa</i> )	1	0	0	0
<b>Holly (<i>Ilex sp./spp.</i>) 2</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0

Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
Dieback; Canker; Twig Blight ( <i>Botryosphaeria</i> sp./spp.)	1	0	0	0
<b>Holly, American (<i>Ilex opaca</i>) 5</b>				
Holly Pit Scale ( <i>Asterolecanium puteanum</i> )	1	0	0	0
Native Holly Leafminer ( <i>Phytomyza ilicicola</i> )	1	0	0	0
No Pathogen Found (No Pathogen Found)	0	1	0	0
Root Problems (Abiotic disorder)	0	0	1	0
Scale Insects (Order homoptera)	0	0	0	1
<b>Holly, Burford (<i>Ilex cornuta burfordii</i>) 1</b>				
Glyphosate Injury (Abiotic disorder)	0	0	1	0
<b>Holly, Chinese (<i>Ilex cornuta</i>) 1</b>				
Dieback; Canker; Twig Blight ( <i>Botryosphaeria</i> sp./spp.)	1	0	0	0
<b>Holly, East Palatka (<i>Ilex x attenuata</i>) 2</b>				
Dieback; Canker; Twig Blight ( <i>Botryosphaeria</i> sp./spp.)	1	0	0	0
Mechanical Damage (Abiotic disorder)	1	0	0	0
<b>Holly, Heller (mushroom) (<i>Ilex crenata helleri</i>) 2</b>				
Black Root Rot ( <i>Thielaviopsis (Chalara) basicola (elegans)</i> )	1	0	0	0
Dieback; Canker; Twig Blight ( <i>Botryosphaeria</i> sp./spp.)	1	0	0	0
<b>Holly, Japanese (<i>Ilex crenata</i>) 1</b>				
Black Root Rot ( <i>Thielaviopsis (Chalara) basicola (elegans)</i> )	1	0	0	0
<b>Holly, Savannah (<i>Ilex attenuata</i>) 1</b>				
Seasonal Leaf Drop (Abiotic disorder)	0	0	1	0
<b>Inkberry (<i>Ilex glabra</i>) 1</b>				
Black Root Rot ( <i>Thielaviopsis (Chalara) basicola (elegans)</i> )	1	0	0	0
<b>Hosta (<i>Hosta</i> sp./spp.) 64</b>				
Bacterial Blight (Unidentified Bacteria)	0	0	0	1
Hosta Virus X ( <i>Hosta Virus X (HVX)</i> )	7	56	0	0
<b>Hydrangea (<i>Hydrangea</i> sp./spp.) 3</b>				
Insufficient Sample (Identification Analysis)	0	0	0	1
Undetermined Injury or Pest (Identification Analysis)	0	0	0	1

Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
Xanthomonas Bacterial Leaf Spot ( <i>Xanthomonas campestris</i> )	0	0	0	1
<b>Hydrangea (<i>Hydrangea arborescens</i>) 1</b>				
Fusarium Stem Rot ( <i>Fusarium</i> sp./spp.)	1	0	0	0
<b>Hydrangea, Bigleaf (<i>Hydrangea macrophylla</i>) 1</b>				
Phyllosticta Leaf Spot ( <i>Phyllosticta</i> sp./spp.)	1	0	0	0
<b>Hydrangea, Oakleaf (<i>Hydrangea quercifolia</i>) 1</b>				
Bacterial Leaf Spot ( <i>Xanthomonas</i> sp./spp.)	1	0	0	0
<b>Impatiens (<i>Impatiens</i> sp./spp.) 1</b>				
Downy Mildew ( <i>Plasmopara obducens</i> )	1	0	0	
Downy Mildew ( <i>Plasmopara obducens</i> )	1	0	0	0
<b>Irish Moss (<i>Sagina subulata</i>) 5</b>				
Mite Damage (Unidentified Mite)	0	0	0	2
Needle Cast; Blight ( <i>Passalora</i> ( <i>Cercospora</i> ) <i>sequoiae</i> )	2	0	0	0
Thrips Damage (Unidentified Thrips)	0	0	0	1
<b>Jasmine, Asiatic (<i>Trachelospermum asiaticum</i>) 3</b>				
Basket-grass ( <i>Oplismenus hirtellus</i> )	1	0	0	0
Poison Ivy ( <i>Toxicodendron</i> ( <i>Rhus</i> ) <i>radicans</i> )	2	0	0	0
<b>Juniper (<i>Juniperus</i> sp./spp.) 4</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Kabatina Tip Blight; Needle Blight ( <i>Kabatina juniperi</i> )	1	0	0	0
Macrophoma Blight; Dieback ( <i>Macrophoma</i> sp./spp.)	1	0	0	0
Sphaeropsis Dieback ( <i>Sphaeropsis</i> sp./spp.)	1	0	0	0
<b>Juniper, Rocky Mountain (<i>Juniperus scopulorum</i>) 2</b>				
Cedar-Quince Rust ( <i>Gymnosporangium clavipes</i> )	1	0	0	0
Juniper Scale ( <i>Carulaspis juniperi</i> )	1	0	0	0
<b>Juniper, Shore (<i>Juniperus conferta</i>) 1</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
<b>Juniperus Squamata (<i>Juniperus squamata</i>) 2</b>				
Dieback; Canker; Twig Blight ( <i>Botryosphaeria</i> sp./spp.)	2	0	0	0

Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
<b>Lantana (Lantana sp./spp.) 1</b>				
Corynespora Leaf Spot (Corynespora cassiicola)	1	0	0	0
<b>Lantana (Lantana camara) 2</b>				
Black Root Rot (Thielaviopsis (Chalara) basicola (elegans))	1	0	0	0
Stem Canker (Colletotrichum (teleo. Glomerella) sp./spp.)	1	0	0	0
<b>Larkspur (Delphinium spp) 3</b>				
Bacterial Blight (Unidentified Bacteria)	0	0	1	2
<b>Leucanthemum (Leucanthemum sp./spp.) 1</b>				
Alternaria Leaf Spot (Alternaria sp./spp.)	1	0	0	0
<b>Shasta Daisy (Leucanthemum x superbum) 1</b>				
Fusarium Wilt (Fusarium oxysporum)	0	0	1	0
<b>Leyland Cypress (X cupressocyparis leylandii) 9</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Dieback; Canker; Twig Blight (Botryosphaeria sp./spp.)	1	0	0	0
Juniper Scale (Carulaspis juniperi)	1	0	0	0
Needle Cast; Blight (Passalora (Cercospora) sequoiae)	1	0	0	0
Pestalotiopsis Needle Blight; Tip Blight (Pestalotiopsis sp./spp.)	1	0	0	0
Seiridium Canker (Lepteutypa (Seiridium) cupressi (unicorne))	3	0	0	0
<b>Ligustrum; Privet (Ligustrum sp./spp.) 3</b>				
Drainage Problem (Abiotic disorder)	0	0	1	0
No Pathogen Found (No Pathogen Found)	0	0	0	1
Wax Scale (Ceroplastes sp./spp.)	1	0	0	0
<b>Ligustrum; Japanese Privet (Ligustrum japonicum) 2</b>				
Leaf Spot (Pseudocercospora sp./spp.)	1	0	0	0
Nutritional Deficiency (Abiotic disorder)	1	0	0	0
<b>Lily (Lilium sp./spp.) 2</b>				
Potyvirus Group (Potyvirus Group)	0	0	0	2
<b>Lilyturf (bordergrass) (Liriope sp./spp.) 3</b>				
Fusarium Root Rot (Fusarium sp./spp.)	1	0	0	0

Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
Large Milkweed Bug ( <i>Oncopeltus fasciatus</i> )	1	0	0	0
Not Pathogen; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	0	0	0	1
<b>Lovegrass (<i>Eragrostis</i> sp./spp.) 1</b>				
Cereal Rye ( <i>Secale cereale</i> )	1	0	0	0
<b>Maple (<i>Acer</i> sp./spp.) 1</b>				
Insufficient Sample (Identification Analysis)	0	0	0	1
<b>Maple, Japanese (<i>Acer palmatum</i>) 5</b>				
Dieback; Canker; Twig Blight ( <i>Botryosphaeria</i> sp./spp.)	0	0	1	0
Fertilizer Injury (Abiotic disorder)	0	0	1	0
Phomopsis Dieback; Tip Blight; Canker ( <i>Phomopsis</i> sp./spp.)	1	0	0	0
Phyllosticta Leaf Spot ( <i>Phyllosticta</i> sp./spp.)	1	0	0	0
Root Problems (Abiotic disorder)	1	0	0	0
<b>Maple, Norway (<i>Acer platanoides</i>) 1</b>				
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
<b>Maple, Red (<i>Acer rubrum</i>) 3</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Phyllosticta Leaf Spot ( <i>Phyllosticta</i> sp./spp.)	1	0	0	0
Undetermined Injury or Pest (Identification Analysis)	0	0	0	1
<b>Mondograss (dwarf lily turf) (<i>Ophiopogon japonicus</i>) 4</b>				
Anthraco-nose; Colletotrichum Leaf Spot ( <i>Colletotrichum</i> sp./spp.)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Fungal Pathogens (General)	0	0	0	1
<b>Mountain Bluet (<i>Centaurea montana</i>) 1</b>				
Tomato Spotted Wilt (Tomato Spotted Wilt Virus (TSWV))	1	0	0	0
<b>Norfolk Island pine (<i>Araucaria heterophylla</i>) 1</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
<b>Oak (<i>Quercus</i> sp./spp.) 5</b>				
Anthraco-nose ( <i>Discula quercina</i> )	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0

Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
Insect Damage (Unidentified Insect)	0	0	0	1
No Pathogen Found (No Pathogen Found)	0	0	0	1
Oak Leaf Blister ( <i>Taphrina caerulescens</i> )	0	0	1	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
<b>Oak, Live (<i>Quercus virginiana</i>) 1</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Cylindrosporium Leaf Spot ( <i>Cylindrosporium</i> sp./spp.)	1	0	0	0
Cynipid Gall Wasp ( <i>Disholcaspis</i> sp./spp.)	1	0	0	0
Oak Leaf Blister ( <i>Taphrina caerulescens</i> )	2	0	0	0
Oak Treehopper ( <i>Platycotis vittata</i> )	1	0	0	0
Twig Blight ( <i>Coryneum japonicum</i> )	1	0	0	0
Wood Boring Insect Damage (Unidentified Wood Boring Insect)	0	0	0	1
<b>Oak, Pin (<i>Quercus palustris</i>) 2</b>				
Insect Damage (Unidentified Insect)	0	1	0	0
Undetermined Injury or Pest (Identification Analysis)	0	0	0	1
<b>Oak, Red (<i>Quercus</i> sp./spp. red) 2</b>				
Herbicide Injury; Exposure (Abiotic disorder)	0	0	1	0
Spider Mites (Family Tetranychidae)	0	0	0	1
<b>Oak, Water (<i>Quercus nigra</i>) 5</b>				
Chemical Injury (Abiotic disorder)	0	0	1	0
Oak Leaf Blister ( <i>Taphrina caerulescens</i> )	1	0	0	0
Pine Oak Gall Rust ( <i>Cronartium quercuum</i> )	1	0	0	0
Undetermined Injury or Pest (Identification Analysis)	0	0	0	1
<b>Oak, White (<i>Quercus alba</i>) 1</b>				
Smooth Patch ( <i>Aleurodiscus oakesii</i> )	0	0	1	0
<b>Oak, Willow (<i>Quercus phellos</i>) 5</b>				
Armored Scales (Family Diaspididae)	0	0	0	1
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Glyphosate Injury (Abiotic disorder)	0	0	1	0

Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
Oak Twig Blight ( <i>Coryneum kunzei</i> )	2	0	0	0
<b>Oleander (<i>Nerium oleander</i>) 4</b>				
Bacterial Leaf Scorch (BLS) ( <i>Xylella fastidiosa</i> (BLS))	1	0	0	0
California Red Scale (CRS) ( <i>Aonidiella aurantii</i> )	1	0	0	0
Pseudalacaspis cockerelli (False Oleander Scale)	1	0	0	0
Smooth Patch Fungus ( <i>Aleurodiscus oakesii</i> )	1	0	0	0
<b>Osmanthus (<i>Osmanthus</i> sp./spp.) 2</b>				
Nutrient Imbalance (Abiotic disorder)	0	0	1	0
Scorch (Abiotic disorder)	0	0	1	0
<b>Osmanthus, Holly (<i>Osmanthus heterophyllus</i>) 1</b>				
Insufficient Sample (Identification Analysis)	0	0	0	1
<b>Sweet (tea) olive (<i>Osmanthus fragrans</i>) 2</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Low pH Damage (Abiotic disorder)	1	0	0	0
<b>Palm, Cabbage (blue) (<i>Sabal palmetto</i>)</b>				
Mechanical Damage (Abiotic disorder)	0	0	1	0
Additional Sample Requested (Identification Analysis)	0	0	0	1
<b>Palm, Canary Island date (<i>Phoenix canariensis</i>)</b>				
Dieback; Canker; Twig Blight ( <i>Botryosphaeria</i> sp./spp.)	1	0	0	0
Fusarium Wilt ( <i>Fusarium oxysporum</i> )	1	0	0	0
<b>Palm, Sabal; fan palm (<i>Sabal</i> sp./spp.) 5</b>				
Armored Scales (Family Diaspididae)	0	0	0	1
Insufficient Sample (Identification Analysis)	0	0	0	1
Phomopsis Rachis Rot ( <i>Phomopsis</i> sp./spp.)	1	0	0	0
Rachis Blight; ( <i>Serenomyces</i> sp./spp.)	1	0	0	0
Twospotted Spider Mite ( <i>Tetranychus urticae</i> )	1	0	0	0
<b>Palm, Sago (<i>Cycas revoluta</i>) 1</b>				
Nutritional Deficiency (Abiotic disorder)	0	0	1	0



Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
<b>Pansy (<i>Viola wittrockiana</i>) 2</b>				
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
Twospotted Spider Mite ( <i>Tetranychus urticae</i> )	1	0	0	0
<b>Parlor Maple (<i>Abutilon</i> sp./spp.) 1</b>				
Insufficient Sample (Identification Analysis)	0	0	0	1
<b>Pear, Callery (<i>Pyrus calleryana</i>) 2</b>				
Fire Blight ( <i>Erwinia amylovora</i> )	0	0	2	0
<b>Penstemon (beard-tongue) (<i>Penstemon</i> sp./spp.) 15</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	0	0
Impatiens Necrotic Spot (Impatiens Necrotic Spot Virus (INSV))	2	5	0	0
Phytophthora Stem Rot ( <i>Phytophthora</i> sp./spp.)	1	0	0	0
Tobamovirus Group (Tobamovirus Group)	0	1	0	0
Tomato Ringspot (Tomato Ringspot Virus (ToRSV))	0	1	0	0
Tomato Spotted Wilt (Tomato Spotted Wilt Virus (TSWV))	0	2	0	0
Undetermined Injury or Pest (Identification Analysis)	0	0	0	1
<b>Peony (<i>Paeonia</i> sp./spp.) 12</b>				
Mechanical Damage (Abiotic disorder)	0	0	1	0
No Pathogen Found (No Pathogen Found)	0	9	0	0
Root Knot Nematodes ( <i>Meloidogyne</i> sp./spp.)	0	0	1	0
Thielaviopsis Trunk Rot ( <i>Ceratocystis</i> ( <i>Thielaviopsis</i> ) <i>paradoxa</i> )	1	0	0	0
<b>Periwinkle, Greater (<i>Vinca major</i>) 2</b>				
Alternaria Leaf Spot ( <i>Alternaria</i> sp./spp.)	1	0	0	0
Mechanical Damage (Abiotic disorder)	0	0	1	0
<b>Periwinkle, Madagascar; vinca (<i>Catharanthus roseus</i>) 1</b>				
Phytophthora Crown: Root and/or Stem Rot ( <i>Phytophthora</i> sp./spp.)	1	0	0	0
<b>Phlox Moss (pink phlox) (<i>Phlox subulata</i>) 2</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Phoma Blight; Dieback; Rot ( <i>Phoma</i> sp./spp.)	1	0	0	0

Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
<b>Pincushion Flower (Scabiosa sp./spp.) 1</b>				
Rhizoctonia Foliar/ Aerial/ Web Blight (Rhizoctonia solani)	1	0	0	0
<b>Pine (Pinus sp./spp.) 2</b>				
Pine Needle Scale (Chionaspis pinifoliae)	1	0	0	0
Twospotted Spider Mite (Tetranychus urticae)	1	0	0	0
<b>Pine, Loblolly (Pinus taeda) 8</b>				
Annosus Root Rot (Heterobasidion (Fomes) annosum (annosus))	0	0	0	1
Herbicide Injury; Exposure (Abiotic disorder)	0	0	1	0
No Pathogen Found (No Pathogen Found)	0	1	0	0
Pine Webworm (Tetralopha robustella)	1	0	0	0
Red Root and Butt Rot (Phaeolus (Polyporus) schweinitzii)	0	0	1	0
Root Rot (Ganoderma sp./spp.)	0	0	1	0
Scleroderma polyrhizum	1	0	0	0
Scolytid Beetle (Hylastes sp./spp.)	1	0	0	0
<b>Pine, Longleaf (Pinus palustris) 1</b>				
Sap Stain/ Wilt (Leptographium sp./spp.)	1	0	0	0
<b>Pinks (Dianthus sp./spp.) 1</b>				
Bacterial Blight (Unidentified Bacteria)	0	0	0	1
<b>Redbud, Eastern (Cercis canadensis) 2</b>				
No Pathogen Found (No Pathogen Found)	0	0	0	1
Unknown (General)	0	0	0	1
<b>Rhododendron (Rhododendron sp./spp.) 3</b>				
Leaf Spot (Pseudocercospora sp./spp.)	2	0	0	0
Macrophoma Leaf Spot (Macrophoma sp./spp.)	1	0	0	0
<b>Rose (Rosa sp./spp.) 21</b>				
Armillaria Root Rot (Armillaria (Armillariella) sp./spp.)	1	0	0	0
Black Spot (Rose) (Diplocarpon (Marssonina) rosae)	2	0	0	0
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
Coreid Bug (Leptoglossus clypealis)	1	0	0	0

Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Herbicide Drift (Abiotic disorder)	0	0	1	0
No Pathogen Found (No Pathogen Found)	0	1	0	0
Phomopsis Dieback; Tip Blight; Canker (Phomopsis sp./spp.)	1	0	0	0
Powdery Mildew (Oidium sp./spp.)	1	0	0	0
Rose Canker (Coniothyrium sp./spp.)	1	0	0	0
Rose Downy Mildew (Peronospora sparsa)	3	0	0	0
Rose Rosette Disease (Rose rosette-associated virus (RRaV))	0	0	2	0
Twospotted Spider Mite (Tetranychus urticae)	1	0	0	0
Western Flower Thrips (Frankliniella occidentalis)	2	0	2	0
<b>Rose, Knockout (Rosa, spp.) 1</b>				
Rose Rosette Disease (Rose rosette-associated virus (RRaV))	1	0	0	0
<b>Sage, Russian (Perovskia atriplicifolia) 9</b>				
Botrytis Blight (Botrytis sp./spp.)	4	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Freeze; Frost; Cold Damage (Abiotic disorder)	0	0	2	0
No Pathogen Found (No Pathogen Found)	0	1	0	0
Tissue proliferation; callus (Abiotic disorder)	1	0	0	0
<b>Salvia (Salvia nemerosa) 1</b>				
Natural Senescence (Abiotic disorder)	0	0	1	0
<b>Seashore Paspalum (Paspalum vaginatum) 1</b>				
Dollar Spot (Sclerotinia homeocarpa)	1	0	0	0
<b>Shell Ginger (Alpinia zerumbet) 2</b>				
Natural Senescence (Abiotic disorder)	0	0	1	0
<b>Southern Bayberry; wax myrtle (Myrica cerifera) 6</b>				
Canker; Stem Blight; Dieback (Botryosphaeria dothidea)	2	0	0	0
Dieback; Canker; Twig Blight (Botryosphaeria sp./spp.)	3	0	0	0
Mechanical Damage (Abiotic disorder)	1	0	0	0

Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
<b>Southern Magnolia (<i>Magnolia grandiflora</i>) 1</b>				
Armored Scales (Family Diaspididae)	0	0	0	2
Boron Toxicity (Abiotic disorder)	0	0	1	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Greedy Scale ( <i>Hemiberlesia rapax</i> )	2	0	0	0
Magnolia White Scale ( <i>Pseudaulacaspis cockerelli</i> )	1	0	0	0
Nutrient Imbalance (Abiotic disorder)	0	0	1	0
Tea Scale ( <i>Fiorinia theae</i> )	1	0	0	0
<b>Speedwell (<i>Veronica</i> sp./spp.) 2</b>				
Basal Shoot Proliferation ( <i>Rhodococcus fascians</i> )	1	0	0	0
Ramularia Leaf Spot ( <i>Ramularia</i> sp./spp.)	1	0	0	0
<b>Spurge, Japanese (<i>Pachysandra terminalis</i>) 4</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Mechanical Damage (Abiotic disorder)	0	0	1	0
Volutella Canker; Leaf Blight ( <i>Pseudonectria</i> (ana. <i>Volutella</i> ) <i>pachysandricola</i> ( <i>pachysandrae</i> ))	1	0	0	0
<b>St. Johnswort (<i>Hypericum</i> sp./spp.) 1</b>				
No Pathogen Found (No Pathogen Found)	0	0	0	1
<b>Stoke's Aster (<i>Stokesia laevis</i>) 1</b>				
Dieback/ Stem Rot ( <i>Sclerotinia sclerotiorum</i> )	1	0	0	0
<b>Stonecrop (<i>Sedum</i> sp./spp.) 1</b>				
Poor Growing Conditions (Abiotic disorder)	1	0	0	0
<b>Thread-leaf <i>Coreopsis</i> (<i>Coreopsis verticillata</i>) 2</b>				
Botrytis Blight ( <i>Botrytis</i> sp./spp.)	1	0	0	0
Poor Growing Conditions (Abiotic disorder)	0	0	1	0
<b>Tickseed (<i>Coreopsis</i> sp./spp.) 4</b>				
Crown Rot ( <i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Moisture Stress (Abiotic disorder)	0	0	1	0
Stemphylium Leaf Spot ( <i>Stemphylium</i> sp./spp.)	1	0	0	0

Diagnoses on Ornamentals and Trees	Confirmed	Not Detected	Suspected	Inconclusive
Tomato Spotted Wilt (Tomato Spotted Wilt Virus (TSWV))	0	1	0	0
<b>Velvet Rose (pinwheel) (Aeonium sp./spp.) 1</b>				
Mechanical Damage (Abiotic disorder)	1	0	0	0
<b>Verbena, Rose (Verbena canadensis) 1</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
<b>Viburnum (Viburnum sp./spp.) 1</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
<b>Viburnum, Japanese (Viburnum japonica) 2</b>				
Anthracnose; Colletotrichum Leaf Spot (Colletotrichum sp./spp.)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
<b>Viburnum, Sandankwa (Viburnum suspensum) 2</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
<b>Violas (violet; pansy) (Viola sp./spp.) 9</b>				
Aphids (Plant Lice) (Family Aphididae)	0	0	0	1
Black Root Rot (Thielaviopsis (Chalara) basicola (elegans))	3	0	0	0
Botrytis Blight (Botrytis sp./spp.)	2	0	0	0
Cercospora Leaf Spot (Cercospora sp./spp.)	1	0	0	0
Freeze; Frost; Cold Damage (Abiotic disorder)	0	0	1	0
Pythium Root and/or Crown Rot (Pythium sp./spp.)	1	0	0	0

Diagnoses on Turf	Confirmed	Not Detected	Suspected	Inconclusive
<b>Bentgrass (Agrostis sp./spp.) 6</b>				
Algae (General)	0	0	0	1
Cultural/Environmental Problem (Abiotic disorder)	1	0	0	0
Dead Spot (Ophiosphaerella agrostis)	0	0	1	0
Dollar Spot (Sclerotinia homeocarpa)	1	0	0	0
Moss (General)	0	0	0	1

Diagnoses on Turf	Confirmed	Not Detected	Suspected	Inconclusive
No Pathogen Found (No Pathogen Found)	0	0	0	1
<b>Bermudagrass (<i>Cynodon dactylon</i>) 15</b>				
Additional Sample Requested (Identification Analysis)	0	0	0	1
Bermudagrass Scale ( <i>Odonaspis ruthae</i> )	0	0	1	0
Broomsedge Bluestem ( <i>Andropogon virginicus</i> )	2	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Leaf Rust; rust ( <i>Puccinia</i> sp./spp.)	1	0	0	0
Northern Dewberry ( <i>Rubus flagellaris</i> )	1	0	0	0
Perennial Ryegrass ( <i>Lolium perenne</i> )	2	0	0	0
Reversed Clover ( <i>Trifolium resupinatum</i> )	2	0	0	0
Root Problems (Abiotic disorder)	0	0	1	0
Vasey's Grass ( <i>Paspalum urvillei</i> )	2	0	0	0
Wild Garlic ( <i>Allium vineale</i> )	1	0	0	0
<b>Bermudagrass (<i>Cynodon</i> sp./spp.) 30</b>				
Bermuda Grass ( <i>Cynodon</i> sp./spp.)	1	0	0	0
Dense Thatch Layer (Abiotic disorder)	2	0	0	0
European Field Pansy ( <i>Viola arvensis</i> )	1	0	0	0
Ground Beetle ( <i>Harpalus</i> sp./spp.)	1	0	0	0
Helminthosporium Leaf Spot ( <i>Cochliobolus</i> ( <i>Bipolaris</i> ) <i>cynodontis</i> )	1	0	0	0
Herbicide Carryover (Abiotic disorder)	0	0	1	0
Insects (Class insecta)	0	0	0	1
Insufficient Light (Abiotic disorder)	2	0	0	0
Insufficient Sample (Identification Analysis)	4	0	0	0
Leaf Spot ( <i>Bipolaris</i> sp./spp.)	1	0	0	0
Low pH; Nutrient Imbalance (Abiotic disorder)	1	0	0	0
Perennial Ryegrass ( <i>Lolium perenne</i> )	1	0	0	0
Poor Leaf Emergence (Abiotic disorder)	0	0	1	0
Rattail Fescue ( <i>Vulpia myuros</i> )	1	0	0	0
Root Problems (Abiotic disorder)	0	0	0	1

Diagnoses on Turf	Confirmed	Not Detected	Suspected	Inconclusive
Slender Parsley Piert ( <i>Aphanes microcarpa</i> )	1	0	0	0
Soil Compaction (Abiotic disorder)	1	0	0	0
Spring Dead Spot ( <i>Gaeumannomyces graminis</i> var. <i>graminis</i> )	0	0	1	0
Spring Dead Spot ( <i>Ophiosphaerella</i> sp./spp.)	0	0	1	0
Sticky Chickweed ( <i>Cerastium glomeratum</i> )	1	0	0	0
Sweet Vernal Grass ( <i>Anthoxanthum odoratum</i> )	1	0	0	0
Toad Rush ( <i>Juncus bufonius</i> )	1	0	0	0
Vasey's Grass ( <i>Paspalum urvillei</i> )	1	0	0	0
cudweed ( <i>Pseudognaphalium</i> )	1	0	0	0
<b>Centipedegrass (<i>Eremochloa ophiuroides</i>) 137</b>				
Additional Sample Requested (Identification Analysis)	0	0	0	1
Annual Bluegrass ( <i>Poa annua</i> )	1	0	0	0
Anthracoze ( <i>Colletotrichum graminicola</i> )	4	0	0	0
Brown Patch ( <i>Rhizoctonia</i> sp./spp.)	19	0	0	0
Colonial Dwarf-dandelion ( <i>Krigia dandelion</i> )	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	3	0	36	0
Dollar Spot ( <i>Sclerotinia homeocarpa</i> )	3	0	0	0
Drainage Problem (Abiotic disorder)	1	0	0	0
Earthworms (Phylum Annelida; Subclass Oligochaeta)	0	0	1	0
Excessive Water (Abiotic disorder)	4	0	1	0
Fairy Ring (Various Fungi)	0	0	0	1
Fusarium Basal Rot ( <i>Fusarium</i> sp./spp.)	1	0	0	0
Herbicide Injury; Exposure (Abiotic disorder)	0	0	2	0
Insufficient Light (Abiotic disorder)	1	0	1	0
Insufficient Sample (Identification Analysis)	1	0	0	0
Large Patch ( <i>Thanatephorus (Rhizoctonia) cucumeris (solani)</i> )	5	0	0	0
Leaf Rust; rust ( <i>Puccinia</i> sp./spp.)	1	0	0	0
Low pH; Nutrient Imbalance (Abiotic disorder)	3	0	1	0
Natural Senescence (Abiotic disorder)	0	0	1	0

Diagnoses on Turf	Confirmed	Not Detected	Suspected	Inconclusive
No Pathogen Found (No Pathogen Found)	0	1	0	0
Nutrient Imbalance (Abiotic disorder)	1	0	0	0
Nutritional Deficiency (Abiotic disorder)	2	0	1	0
Perennial Ryegrass ( <i>Lolium perenne</i> )	1	0	0	0
Perionyx excavatus (Blue worm)	0	0	1	0
Poor Leaf Emergence (Abiotic disorder)	17	0	9	0
Poor Root Development (Abiotic disorder)	1	0	0	0
Rhizoctonia Leaf Spot and/or Leaf Blight ( <i>Rhizoctonia</i> sp./spp.)	2	0	0	0
Soil Compaction (Abiotic disorder)	3	0	0	0
Spring Vetch ( <i>Vicia lathyroides</i> )	1	0	0	0
Sting Nematodes ( <i>Belonolaimus</i> sp./spp.)	1	0	0	0
Unknown Abiotic Disorder (Abiotic disorder)	0	0	0	1
<b>Fescues (<i>Festuca</i> spp) 2</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Mouseear Hawkweed ( <i>Hieracium pilosella</i> )	1	0	0	0
<b>Fescue, Tall (<i>Festuca arundinacea</i>) 5</b>				
Ascochyta Blight ( <i>Ascochyta</i> sp./spp.)	1	0	0	0
Brown Patch ( <i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Insufficient Sample (Identification Analysis)	0	0	0	0
Leaf Rust; rust ( <i>Puccinia</i> sp./spp.)	2	0	0	0
<b>St. Augustinegrass (<i>Stenotaphrum secundatum</i>) 19</b>				
Brown Patch ( <i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Chinch Bug Complex ( <i>Blissus</i> sp./spp.)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	3	0
Field Burrweed; Spurweed ( <i>Soliva sessilis</i> (pterosperma))1	1	0	0	0
Gray Leaf Spot ( <i>Magnaporthe</i> (ana. <i>Pyricularia</i> ) <i>grisea</i> )	2	0	2	0
Insufficient Sample (Identification Analysis)	0	0	0	0
Iron Deficiency (Abiotic disorder)	0	0	1	0
Large Patch ( <i>Thanatephorus</i> ( <i>Rhizoctonia</i> ) <i>cucumeris</i> ( <i>solani</i> ))	2	0	0	0



Diagnoses on Turf	Confirmed	Not Detected	Suspected	Inconclusive
Nutrient Imbalance (Abiotic disorder)	0	0	1	0
Poor Leaf Emergence (Abiotic disorder)	1	0	1	0
<b>Turfgrass (Turfgrass mixed species) 14</b>				
Annual Blue-eyed Grass ( <i>Sisyrinchium rosulatum</i> )	1	0	0	0
Annual Trampweed ( <i>Facelis retusa</i> )	1	0	0	0
Bermuda Grass ( <i>Cynodon sp./spp.</i> )	1	0	0	0
Black Cherry ( <i>Prunus serotina</i> )	1	0	0	0
Carolina Geranium ( <i>Geranium carolinianum</i> )	1	0	0	0
Cat Flea ( <i>Ctenocephalides felis</i> )	1	0	0	0
Fescue ( <i>Festuca sp./spp.</i> )	1	0	0	0
Florida Betony ( <i>Stachys floridana</i> )	1	0	0	0
Garden Vetch ( <i>Vicia sativa</i> )	1	0	0	0
Greenbriar sp. ( <i>Smilax</i> )	1	0	0	0
Purple Nutsedge ( <i>Cyperus rotundus</i> )	1	0	0	0
Rattail Fescue ( <i>Vulpia myuros</i> )	1	0	0	0
Slender Yellow Woodsorrel ( <i>Oxalis dilenii</i> )	1	0	0	0
Windowbox Woodsorrel ( <i>Oxalis rubra</i> )	1	0	0	0
<b>Zoysia Grass (Zoysia sp./spp.) 43</b>				
Brown Patch ( <i>Rhizoctonia sp./spp.</i> )	2	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	2	0	8	0
Dense Thatch Layer (Abiotic disorder)	2	0	0	0
Dollar Spot ( <i>Sclerotinia homeocarpa</i> )	9	0	0	0
Excessive Water (Abiotic disorder)	1	0	1	0
Fairy Ring (Various Fungi)	0	0	1	0
Herbicide Injury; Exposure (Abiotic disorder)	0	0	1	0
Large Patch ( <i>Thanatephorus (Rhizoctonia) cucumeris (solani)</i> )	1	0	0	0
Leaf Rust; rust ( <i>Puccinia sp./spp.</i> )	2	0	0	0
Low pH; Nutrient Imbalance (Abiotic disorder)	1	0	0	0
Phosphorus Deficiency (Abiotic disorder)	1	0	0	0

Diagnoses on Turf	Confirmed	Not Detected	Suspected	Inconclusive
Poor Leaf Emergence (Abiotic disorder)	1	0	2	0
Rhodesgrass Mealybug ( <i>Antonina graminis</i> )	1	0	0	0
Root Problems (Abiotic disorder)	2	0	1	0
Sheath Blight ( <i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Soil Compaction (Abiotic disorder)	2	0	0	0
Spring Dead Spot ( <i>Ophiosphaerella</i> sp./spp.)	0	0	1	0

Diagnoses on Vegetables and Herbs	Confirmed	Not Detected	Suspected	Inconclusive
<b>Beebalm; Horsemint (<i>Monarda</i> sp./spp.) 3</b>				
Bacterial Blight (Unidentified Bacteria)	0	0	0	1
Bacterial Leaf Blight ( <i>Pseudomonas syringae</i> )	2	0	0	0
<b>Cucumber (<i>Cucumis sativus</i>) 11</b>				
Cucurbit Downy Mildew ( <i>Pseudoperonospora cubensis</i> )	2	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Fusarium Root Rot ( <i>Fusarium</i> sp./spp.)	1	0	0	0
Nutritional Deficiency (Abiotic disorder)	0	0	2	0
Poor pollination (Abiotic disorder)	0	0	2	0
Pythium Root and/or Crown Rot ( <i>Pythium</i> sp./spp.)	1	0	0	0
Spider Mites (Family Tetranychidae)	0	0	0	1
Twospotted Spider Mite ( <i>Tetranychus urticae</i> )	1	0	0	0
<b>Lavender (<i>Lavandula</i> sp./spp.) 15</b>				
Bacterial Blight ( <i>Xanthomonas campestris</i> )	1	0	3	0
Black Root Rot ( <i>Thielaviopsis (Chalara) basicola (elegans)</i> )	1	0	0	0
Botrytis Blight ( <i>Botrytis</i> sp./spp.)	5	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	4	0
<b>Radish (<i>Raphanus sativus</i>) 1</b>				
Spring Vetch ( <i>Vicia lathyroides</i> )	1	0	0	0

Diagnoses on Vegetables and Herbs	Confirmed	Not Detected	Suspected	Inconclusive
<b>Rosemary (<i>Rosmarinus officinalis</i>) 1</b>				
Spider Mites (Family Tetranychidae)	0	0	0	1
<b>Salvia (sage) (<i>Salvia</i> sp./spp.) 3</b>				
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
Leaf Blight; Leaf Spot ( <i>Botrytis</i> sp./spp.)	1	0	0	0
Natural Senescence (Abiotic disorder)	1	0	0	0
<b>Snap Bean; green bean (<i>Phaseolus vulgaris</i>) 1</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
<b>Squash (<i>Cucurbita</i> sp./spp.) 2</b>				
Coreid Squash Bug ( <i>Anasa</i> sp./spp.)	1	0	0	0
Squash Vine Borer ( <i>Melittia cucurbitae</i> )	1	0	0	0
<b>Tomato (<i>Lycopersicon esculentum</i>) 25</b>				
Bacterial Stem Rot ( <i>Erwinia carotovora carotovora</i> )	0	0	1	0
Bacterial Wilt ( <i>Ralstonia solanacearum</i> )	1	0	0	0
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Excessive Water (Abiotic disorder)	1	0	0	0
Insufficient Sample (Identification Analysis)	0	0	0	1
Mechanical Damage (Abiotic disorder)	0	0	1	0
Pythium Root and/or Crown Rot ( <i>Pythium</i> sp./spp.)	2	0	0	0
Scrambled-egg Slime Mold ( <i>Fuligo septica</i> )	1	0	0	0
Stink Bugs (Family Pentatomidae)	0	0	0	1
Thrips Damage (Unidentified Thrips)	0	0	1	0
Tomato Spotted Wilt (Tomato Spotted Wilt Virus (TSWV))	8	1	0	0
Western Flower Thrips ( <i>Frankliniella occidentalis</i> )	4	0	0	0
<b>Vegetables (Mixed species) 1</b>				
Pigweed ( <i>Amaranthus</i> sp./spp.)	1	0	0	0

Diagnoses on Fruits and Nuts	Confirmed	Not Detected	Suspected	Inconclusive
<b>Apple, Common (<i>Malus sylvestris</i>) 1</b>				
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
<b>Apple, Domestic (<i>Malus domestica</i>) 1</b>				
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
<b>Blackberry (<i>Rubus sp./spp.</i>) 2</b>				
Blackberry Psyllid ( <i>Trioza tripunctata</i> )	0	0	1	0
Winged Elm ( <i>Ulmus alata</i> )	1	0	0	0
<b>Blueberry (<i>Vaccinium sp./spp.</i>) 2</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Unknown (General)	0	0	0	1
<b>Blueberry, Highbush (<i>Vaccinium corymbosum</i>) 1</b>				
Phomopsis Canker and Twig Blight ( <i>Diaporthe (Phomopsis) vaccinii</i> )	1	0	0	0
<b>Blueberry, Rabbit-eye (<i>Vaccinium ashei</i>) 1</b>				
Undetermined Injury or Pest (Identification Analysis)	0	0	0	1
<b>Fig, Common (<i>Ficus carica</i>) 1</b>				
Environmental Stress; Problem (Abiotic disorder)	0	0	1	0
<b>Grape (<i>Vitis sp./spp.</i>) 1</b>				
Black Rot ( <i>Guignardia (Phyllosticta) bidwellii (ampellicida)</i> )	1	0	0	0
<b>Lemon (<i>Citrus limon</i>) 1</b>				
Citrus Leafminer (CLm) ( <i>Phyllocnistis citrella</i> )	1	0	0	0
<b>Loquat (<i>Eriobotrya japonica</i>) 2</b>				
Armillaria Root Rot/ Mushroom Rot ( <i>Armillaria (Clitocybe) tabescens</i> )	1	0	0	0
Bean Plataspid ( <i>Megacopta cribraria</i> )	1	0	0	0
<b>Peach (<i>Prunus persica</i>) 9</b>				
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
Constriction Canker ( <i>Fusicoccum amygdali</i> )	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Gummosis ( <i>Botryosphaeria dothidea</i> )	1	0	0	0
Herbicide Injury; Exposure (Abiotic disorder)	1	0	0	0

Diagnoses on Fruits and Nuts	Confirmed	Not Detected	Suspected	Inconclusive
Noctuid Moths (Family Noctuidae)	0	3	0	0
Plum Curculio ( <i>Conotrachelus nenuphar</i> )	1	0	0	0
<b>Pear (<i>Pyrus communis</i>) 3</b>				
Cedar-Quince Rust ( <i>Gymnosporangium clavipes</i> )	1	0	0	0
Fire Blight ( <i>Erwinia amylovora</i> )	1	0	1	0
<b>Pecan (<i>Carya illinoensis</i>) 3</b>				
Pecan Leaf Phylloxera ( <i>Phylloxera notabilis</i> )	1	0	0	0
Pecan; Hickory Scab ( <i>Cladosporium caryigenum</i> )	1	0	0	0
Phylloxera russellae, Southern Pecan Leaf Phylloxera	1	0	0	0
<b>Persimmon, Japanese (<i>Diospyros kaki</i>) 1</b>				
No Pathogen Found (No Pathogen Found)	0	0	0	1
<b>Plum (<i>Prunus sp./spp.</i>) 2</b>				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Lichens (Lichenes)	0	0	0	1
<b>Strawberry, Commercial (garden) (<i>Fragaria x ananassa</i>) 17</b>				
Anthracnose ( <i>Glomerella (Colletotrichum) cingulata (gloeosporioides)</i> )	1	0	0	0
Anthracnose Basal Rot; Crown Rot ( <i>Colletotrichum sp./spp.</i> )	1	0	0	0
Anthracnose Fruit Rot ( <i>Colletotrichum acutatum</i> )	1	0	0	0
Botrytis Fruit Rot ( <i>Botrytis sp./spp.</i> )	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Fusarium Crown Rot ( <i>Fusarium oxysporum</i> )	2	0	0	0
Leaf Blotch ( <i>Gnomonia (Zythia) comari (fragariae)</i> )	2	0	0	0
Leaf Scorch ( <i>Diplocarpon (ana. Marssonina) earlianum (fragariae)</i> )	2	0	0	0
No Pathogen Found (No Pathogen Found)	0	1	0	0
Phytophthora Root and Crown Rot ( <i>Phytophthora cactorum</i> )	2	0	0	0
<b>Tangelo (<i>Citrus paradisi x reticulata</i>) 3</b>				
Citrus Greasy Spot ( <i>Mycosphaerella citri</i> )	0	0	1	0
Citrus Greening Huanglongbing (Asian) ( <i>Candidatus Liberibacter asiaticus</i> )	0	1	0	0
Mite Damage (Unidentified Mite)	0	0	1	0

Diagnoses on Fruits and Nuts	Confirmed	Not Detected	Suspected	Inconclusive
<b>Watermelon (<i>Citrullus lanatus</i>) 1</b>				
Additional Sample Requested (Identification Analysis)	0	0	0	1
Anthracnose ( <i>Colletotrichum orbiculare</i> )	1	0	0	0
Cercospora Leaf Spot ( <i>Cercospora</i> sp./spp.)	0	0	1	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Fusarium Root Rot ( <i>Fusarium</i> sp./spp.)	1	0	0	0
Fusarium Wilt ( <i>Fusarium oxysporum</i> )	1	0	0	0
Gummy Stem Blight ( <i>Didymella</i> (ana. <i>Phoma</i> ) <i>bryonae</i> (cucurbitacearum))	1	0	0	0
Herbicide Injury; Exposure (Abiotic disorder)	0	0	1	0
No Pathogen Found (No Pathogen Found)	0	1	0	0
Unidentified fungus (Unidentified Fungus)	0	0	0	1

Diagnoses on Field Crops, Pastures and Forage	Confirmed	Not Detected	Suspected	Inconclusive
<b>Corn (<i>Zea mays</i>) 3</b>				
No Pathogen Found (No Pathogen Found)	0	0	0	1
Phomopsis Leaf Spot ( <i>Phomopsis</i> sp./spp.)	2	0	0	0
<b>Corn, Field (<i>Zea mays</i>) 2</b>				
Panicum; Fall ( <i>Panicum dichotomiflorum</i> )	0	0	1	0
Undetermined Injury or Pest (Identification Analysis)	0	0	0	1
<b>Fallow field; idle land (habitat) 1</b>				
Caley Pea ( <i>Lathyrus hirsutus</i> )	1	0	0	0
<b>Oats (<i>Avena sativa</i>) 7</b>				
Barley Net Blotch ( <i>Pyrenophora</i> (ana. <i>Drechslera</i> ) <i>teres</i> )	1	0	0	0
Spot Blotch ( <i>Cochliobolus</i> (ana. <i>Bipolaris</i> ) <i>sativus</i> ( <i>sorokiniana</i> ))	1	0	0	0
Barley Yellow Dwarf (Barley Yellow Dwarf Virus (BYDV))	0	0	2	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0

Diagnoses on Field Crops, Pastures and Forage	Confirmed	Not Detected	Suspected	Inconclusive
Freeze; Frost; Cold Damage (Abiotic disorder)	1	0	0	0
Oat Leaf Spot; Seedling Blight ( <i>Pyrenophora</i> (ana. <i>Drechslera</i> ) <i>avenae</i> )	1	0	0	0
<b>Pearl Millet (<i>Pennisetum americanum typhoideum</i>) 1</b>				
Southern Chinch Bug ( <i>Blissus insularis</i> )	1	0	0	0
<b>Soybean (<i>Glycine max</i>) 5</b>				
Charcoal Rot ( <i>Macrophomina phaseolina</i> )	1	0	0	0
Fusarium Stem Rot ( <i>Fusarium</i> sp./spp.)	1	0	0	0
Fusarium Wilt ( <i>Fusarium oxysporum</i> )	1	0	0	0
Soybean Cyst Nematode (SCN) ( <i>Heterodera glycines</i> )	1	0	0	0
Undetermined Injury or Pest (Identification Analysis)	0	0	0	1
<b>Sunflower (<i>Helianthus</i> sp./spp.) 1</b>				
<i>Alternaria</i> Leaf Spot and Blight ( <i>Alternaria helianthi</i> )	1	0	0	0
<b>Wheat, Common (<i>Triticum aestivum</i>) 8</b>				
Black Head Mold ( <i>Epicoccum nigrum</i> )	2	0	0	0
Black Mold ( <i>Alternaria</i> sp./spp.)	2	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
European Field Pansy ( <i>Viola arvensis</i> )	1	0	0	0
Insufficient Sample (Identification Analysis)	0	0	0	1
Tan Spot; Yellow Leaf Spot ( <i>Pyrenophora</i> (ana. <i>Drechslera</i> ) <i>tritici</i> repentis)	1	0	0	0

Plant and Mushroom Identifications	Confirmed	Not Detected	Suspected	Inconclusive
<b>Plant Id request (general) 17</b>				
American Columbo ( <i>Frasera caroliniensis</i> )	2	0	0	0
Baldwin's Spikerush ( <i>Eleocharis baldwinii</i> )	1	0	0	0
Bladderwort ( <i>Utricularia</i> sp.)	2	0	0	0
Buffalo Gourd ( <i>Cucurbita foetidissima</i> )	1	0	0	0
Composites (Family Asteraceae)	0	0	0	1

Plant and Mushroom Identifications	Confirmed	Not Detected	Suspected	Inconclusive
Filamentous Green Algae (Spirogyra; Oedogonium; Cladophora sp./spp.)	2	0	0	0
Green algae (Dictyochlorella sp.) Family Radiococcaceae	0	0	1	0
Green Squill (Ledebouria pauciflora)	1	0	0	0
Hoary False Alyssum (Berteroa incana)	1	0	0	0
Insufficient Sample (Identification Analysis)	0	0	0	0
Princess Tree; Royal Paulownia (Paulownia tomentosa)	1	0	0	0
Silverleaf Nightshade (Solanum elaeagnifolium)	1	0	0	0
Watershield (Brasenia schreberi)	1	0	0	0
Waterthread Pondweed (Potamogeton diversifolius)	1	0	0	0
Yellow Houseplant Mushroom (Leucocoprinus (Lepiota) birnbaumii (lutea))	1	0	0	0
<b>Ponds; Lakes; impounded waters (Aquatic habitat) 7</b>				
Algae (General)	1	0	0	0
Bird Bath algae (Haematococcus)	1	0	0	0
Brazilian Watermeal (Wolffia brasiliensis)	1	0	0	0
Dotted Duckweed (Spirodela punctata)	1	0	0	0
Filamentous Green Algae (Spirogyra; Oedogonium; Cladophora sp./spp.)	1	0	0	0
Spirogyra (filamentous green algae)	1	0	0	0
Waterthread Pondweed (Potamogeton diversifolius)	1	0	0	0
<b>Unknown Weeds; unknown plants (Mixed species) 2</b>				
Chrysomelid Flea Beetle (Altica sp./spp.)	1	0	0	0
Sugarcane Plumegrass (Saccharum giganteum)	1	0	0	0
Insect Identifications	Confirmed	Not Detected	Suspected	Inconclusive
<b>Fishing worm bed 2</b>				
Earthworm (Oligochaeta lumbricidae)	1	0	0	0
Springtails (Order collembola)	0	0	0	1



Insect Identifications	Confirmed	Not Detected	Suspected	Inconclusive
Spring Dead Spot ( <i>Ophiosphaerella</i> sp./spp.)	0	0	1	0
<b>Insect Id request (general) 46</b>				
American Dog Tick ( <i>Dermacentor variabilis</i> )	1	0	0	0
Bed Bug ( <i>Cimex lectularius</i> )	3	0	0	0
Black Field Ant ( <i>Formica subsericea</i> )	1	0	0	0
Darkling Beetles (Family Tenebrionidae)	0	0	0	1
Drugstore Beetle ( <i>Stegobium paniceum</i> )	3	0	0	0
Garden Millipede ( <i>Oxidus gracilis</i> )	1	0	0	0
Ground Beetle ( <i>Calosoma scrutator</i> )	1	0	0	0
Long-bodied Cellar Spider ( <i>Pholcus phalangioides</i> )	1	0	0	0
No insect found	0	0	0	2
Old House Borer ( <i>Hylotrupes bajulus</i> )	0	0	1	0
Red Imported Fire Ant (IFA) ( <i>Solenopsis invicta</i> )	1	0	0	0
Scarab Beetle ( <i>Phyllophaga</i> sp./spp.)	1	0	0	0
Springtails (Order collembola)	0	0	0	2
Subterranean Termites (Family Rhinotermitidae)	0	0	0	2
Ticks (Order acari)	0	0	0	1
Bark Lice (Order psocoptera)	0	0	0	2
Biting Midges (Family Ceratopogonidae)	0	0	0	1
Booklice (Family Psocidae)	0	0	0	1
Brown Recluse Spider ( <i>Loxosceles reclusa</i> )	1	0	0	0
Carpet Beetles (Family Dermestidae)	0	0	0	2
Cimex Bedbugs (Family Cimicidae)	0	0	1	0
Dermestid Beetles (Family Dermestidae)	0	1	0	0
Eastern Subterranean Termite ( <i>Reticulitermes flavipes</i> )	7	0	0	0
Green June Beetle ( <i>Cotinis nitida</i> )	1	0	0	0
Insect parts	0	0	0	1
Ixodes sp.	0	0	1	0
Lone Star Tick ( <i>Amblyomma americanum</i> )	1	0	0	0

Insect Identifications	Confirmed	Not Detected	Suspected	Inconclusive
Masked Hunter ( <i>Reduvius personatus</i> )	1	0	0	0
Psychodid Moth Fly ( <i>Psychoda alternata</i> )	1	0	0	0
Sawtoothed Grain Beetle ( <i>Oryzaephilus surinamensis</i> )	1	0	0	0
Southern Lyctus Beetle ( <i>Lyctus planicollis</i> )	1	0	0	0
Stink Bug ( <i>Brochymena</i> sp./spp.)	1	0	0	0
Subterranean Termite ( <i>Reticulitermes</i> sp./spp.)	1	0	0	0
Tenebrionid Beetle; ( <i>Platydemia</i> sp./spp.)	1	0	0	0
Warehouse Beetle ( <i>Trogoderma variabile</i> )	1	0	0	0
Wolf Spider (Family Lycosidae; Araneae)	0	0	0	1
<b>Soil (habitat) 2</b>				
Japanese Beetle ( <i>Popillia japonica</i> )	1	0	0	0
Scarab Beetle ( <i>Phyllophaga</i> sp./spp.)	1	0	0	0

Molecular Plant Pathogen Detection Lab Diagnoses	Confirmed	Not Detected	Suspected	Inconclusive
<b>Camellia [ <i>Camellia</i> sp./spp. ]</b>				
Ramorum Blight [ <i>Phytophthora ramorum</i> ]	3	0	0	0
<b>Ponds; Lakes; Impounded Waters [ Aquatic Habitat ]</b>				
No Pathogen Found [ No Pathogen Found ]	0	0	0	5
Phytophthora [ <i>Phytophthora</i> spp. ]	2	0	0	0
<b>River, stream, creek, waterway [ Aquatic Habitat ]</b>				
No Pathogen Found [ No Pathogen Found ]	0	0	0	1
Phytophthora [ <i>Phytophthora</i> spp.]	3	0	0	0
<b>Viburnum [ <i>Viburnum</i> sp./spp. ]</b>				
No Pathogen Found [ No Pathogen Found ]	0	0	0	1