

**Clemson University Plant Problem Clinic
2014 Annual Report**

Introduction

The Clemson University Plant Problem Clinic 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. The Plant Problem Clinic addresses these problems by providing identifications, followed by management recommendations.

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

This year, two noteworthy students, Levi Blue, undergraduate in Microbiology, and Madeline Dowling, graduate student in Plant Pathology, learned and worked in the Plant Problem Clinic. Levi did an internship with the entire Regulatory Services Department and then worked in the Clinic until he found a regular, full-time job. Madeline took the Disease Diagnostics Special Topics class and then worked part time as a valuable diagnostic assistant.

In 2014, the Plant Problem Clinic received 1398 samples. This year, for the first time, turf samples outnumbered woody ornamentals. This illustrates the importance of turf culture in our state and also reflects an increase in golf course samples sent through the Clinic for regular processing, rather than the expedited treatment available through the Commercial Turf Clinic.

This year 22 people from 11 disciplinary areas assisted the Clinic 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, enhancing the success of the Plant Problem Clinic. Special thanks are also extended to the primary identifiers: Entomologist Tim Drake, Botanists Dixie Damrel and Laary Cushing, Turf Diagnostician, Brad Shaver, and Mycologist, Julia Kerrigan.

Much gratitude also 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, assisted the Plant Problem Clinic by doing bacterial identifications, plus PCR reactions and ELISA tests in some cases.

The Molecular Plant Pathogen Detection Lab processed 286 samples. Most of these were submitted by Department of Plant Industry Regulatory Inspectors as they performed surveys to detect pathogens of regulatory concern.

This year's report is broken down into three sections, Plant Problem Clinic, which includes the MPPD Lab, The Nematode Assay Lab and The Commercial Turf Clinic. An introduction precedes each of these reports. I hope that readers find these reports both interesting and informative.

Meg Williamson, Diagnostician

Diagnostic and Advisory Inputs for 2014

Diagnostician/Identifier sample numbers

Brad Shaver processed and reported on 15 samples.
Curt Colburn processed 5 samples and reported on 1.
Dixie Damrel processed 110 samples and reported on 106.
John Hains processed 18 samples.
Julia Kerrigan processed and reported on 3 samples.
Laary Cushman processed 4 samples and reported on 2.
Levi Blue processed 18 samples.
Madeline Dowling processed 8 samples.
Meg Williamson processed and reported on 961 samples.
Timothy Drake processed and reported on 347 samples.

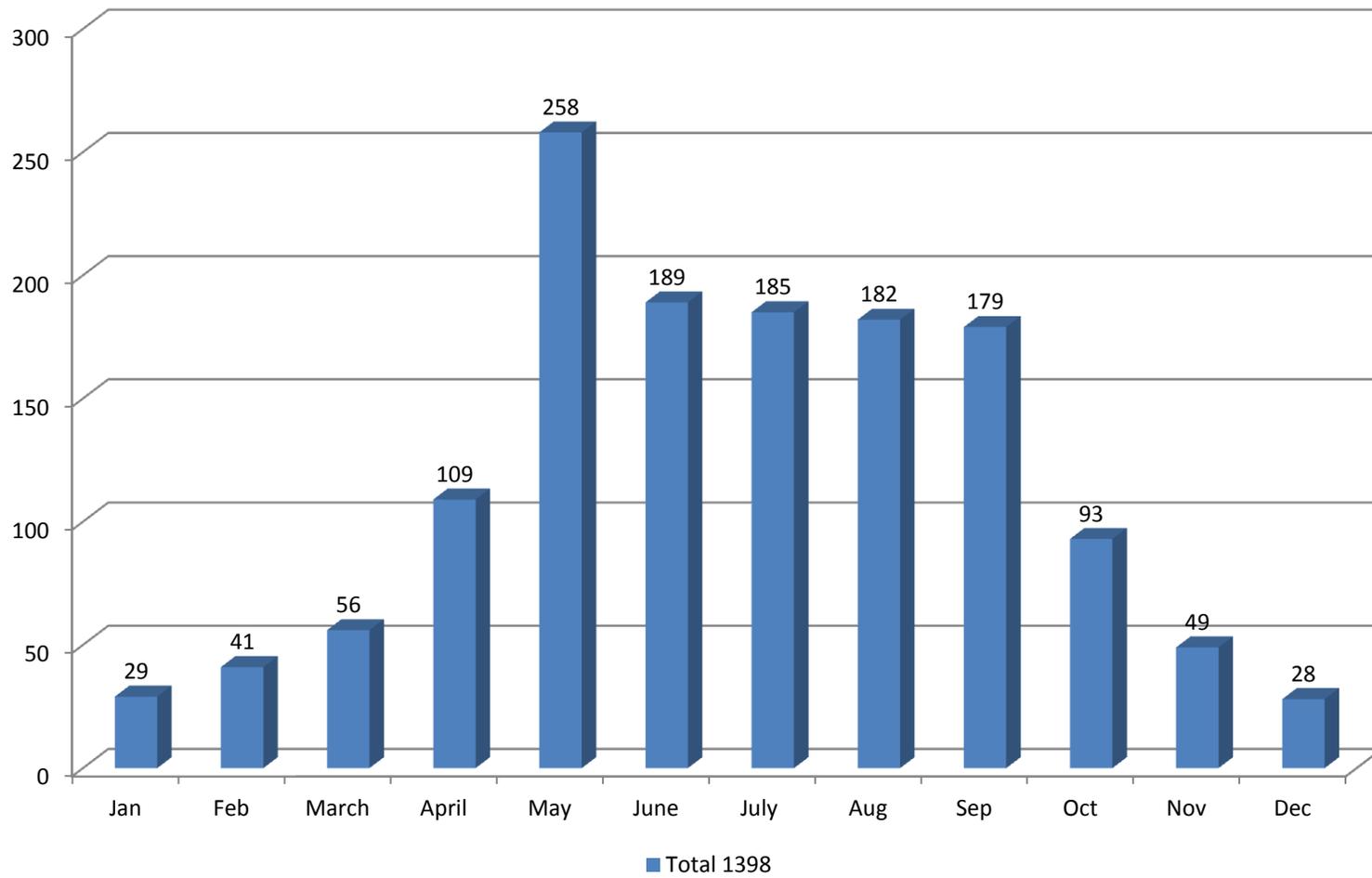
Sample Information Entry Numbers

Diana Low entered 1344 samples and entered reports for 40.
Madeline Dowling entered 14 samples.
Meg Williamson entered 40 samples.

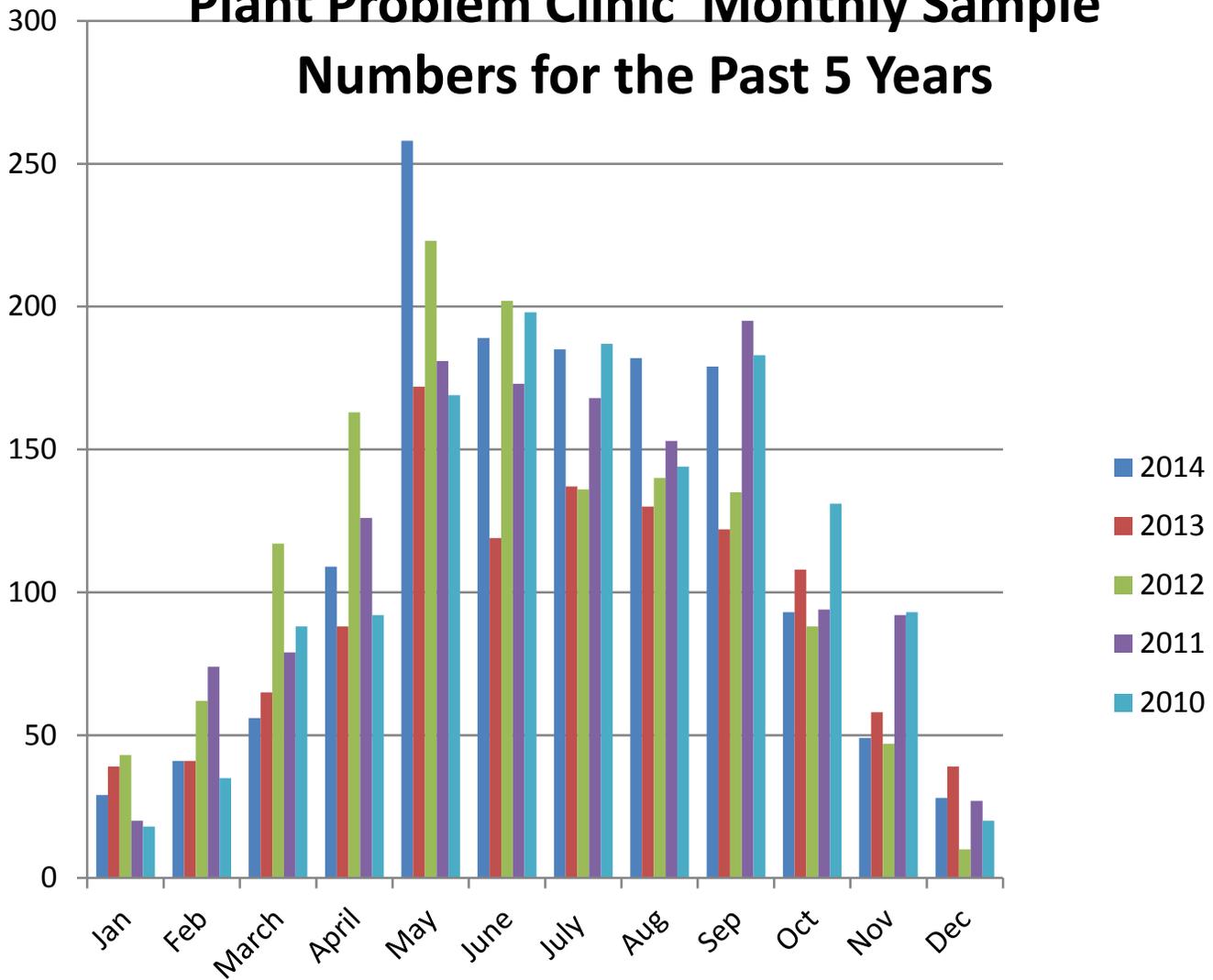
Advisory Consultant sample numbers

Bert McCarty gave advice for 4 samples.
Bob Polomski gave advice for 22 samples.
Bruce Martin gave advice for 1 sample.
Chris Sober gave advice for 1 sample.
Corey Heaton gave advice for 32 samples.
Eric Benson gave advice for 40 samples.
Guido Schnabel gave advice for 4 samples.
Jeremy Greene gave advice for 1 sample.
Jim Faust gave advice for 1 sample.
Joey Williamson gave advice for 37 samples.
John Andrae gave advice for 2 samples.
Juang-Horng 'JC' Chong gave advice for 13 samples.
Melodie Putnam gave advice for 1 sample.
Mengjun Hu gave advice for 1 sample.
Mike Marshall gave advice for 15 samples.
Monica Elliott gave advice for 1 sample.
Powell Smith gave advice for 3 samples.
Sally Brock gave advice for 2 samples.
Steve Jeffers gave advice for 1 sample.

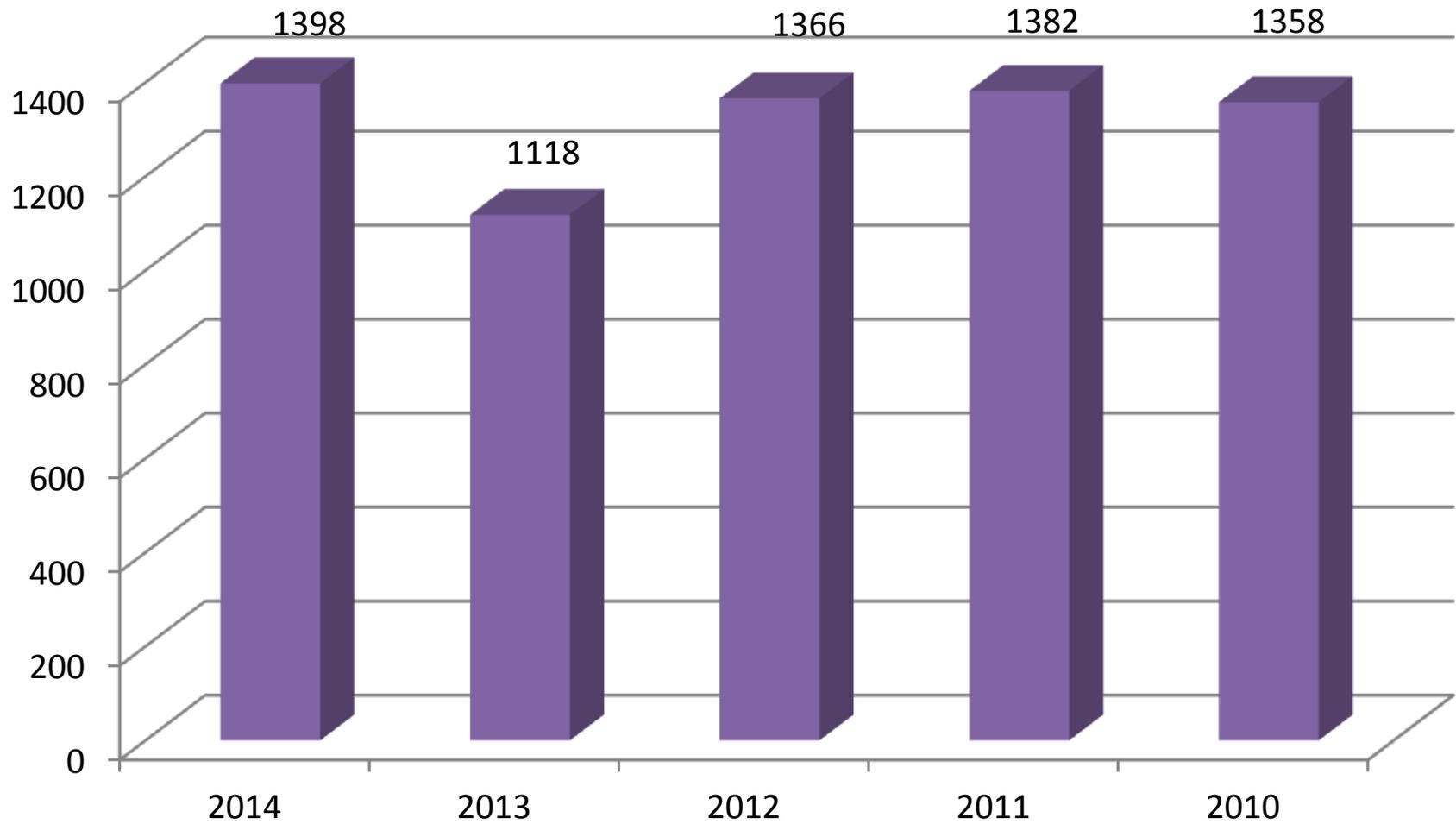
Plant Problem Clinic Monthly Sample Numbers for 2014



Plant Problem Clinic Monthly Sample Numbers for the Past 5 Years



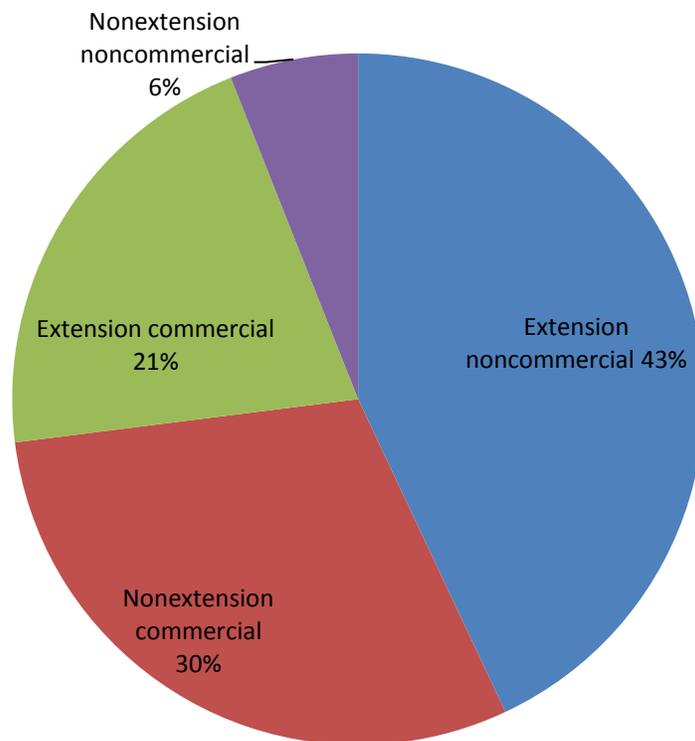
Plant Problem Clinic Sample Totals for the Past 5 Years



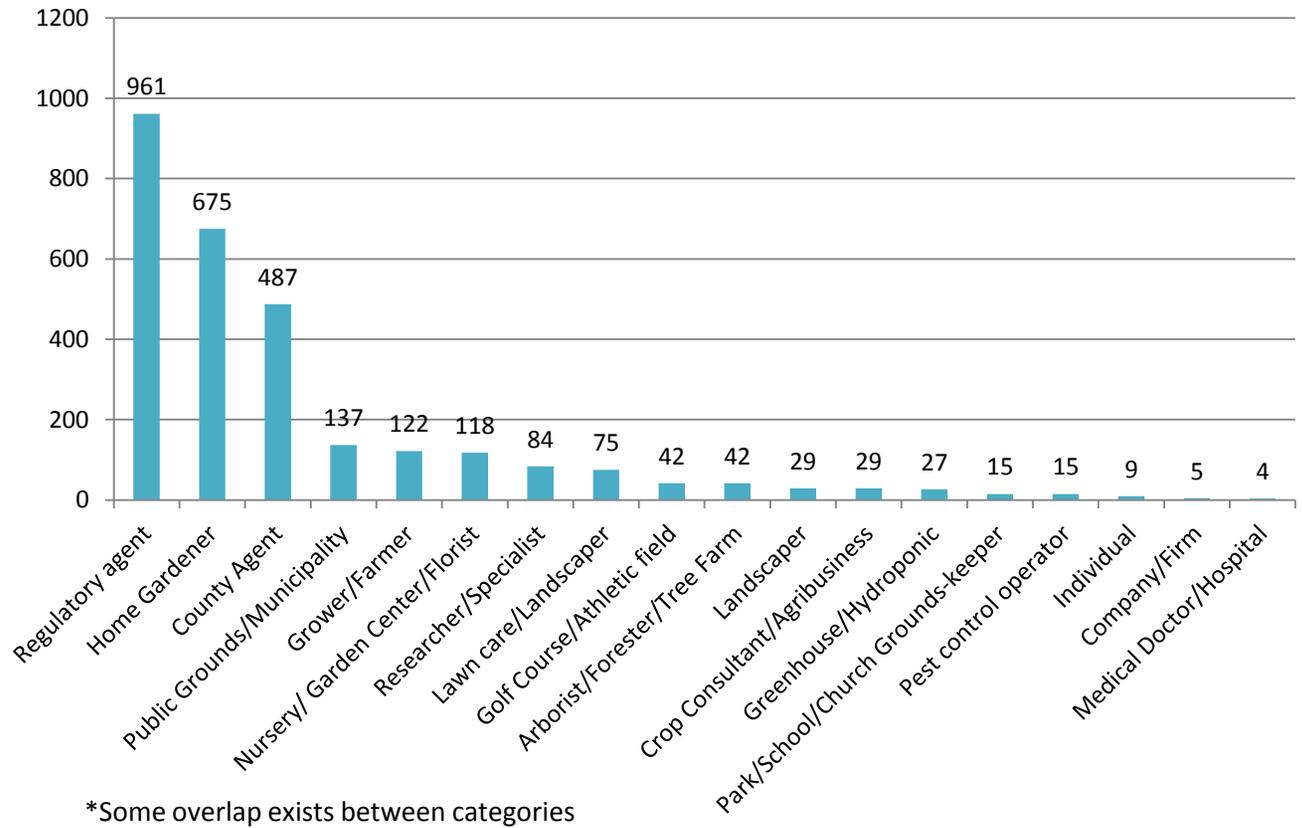
South Carolina Sample Numbers by County for 2014

County	Number of Samples	County	Number of Samples
Abbeville	3	Lexington	86
Aiken	36	Marion	2
Allendale	6	Marlboro	1
Anderson	88	Mccormick	6
Bamberg	10	Newberry	27
Barnwell	13	Oconee	64
Beaufort	101	Orangeburg	15
Berkeley	8	Pickens	184
Calhoun	4	Richland	124
Charleston	34	Saluda	7
Cherokee	13	Spartanburg	77
Chester	3	Sumter	37
Chesterfield	8	Union	7
Clarendon	6	Williamsburg	1
Colleton	30	York	25
Darlington	9	STATE TOTAL	1359
Dillon	2		
Dorchester	16	Sample Totals From Other States	
Edgefield	50	State	Number of Samples
Fairfield	2	Alabama	3
Florence	9	California	1
Georgetown	18	Florida	20
Greenville	110	Georgia	1
Greenwood	21	North Carolina	2
Hampton	18	Texas	1
Horry	14	Virginia	11
Jasper	8		
Kershaw	24		
Lancaster	17		
Laurens	7	Grand Total	1398
Lee	8		

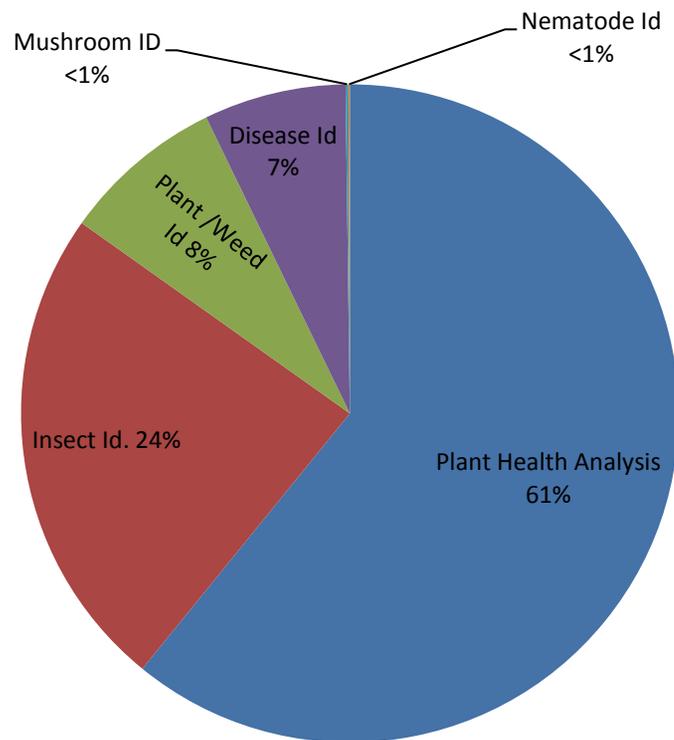
Plant Problem Clinic Samples by Sample Source for 2014



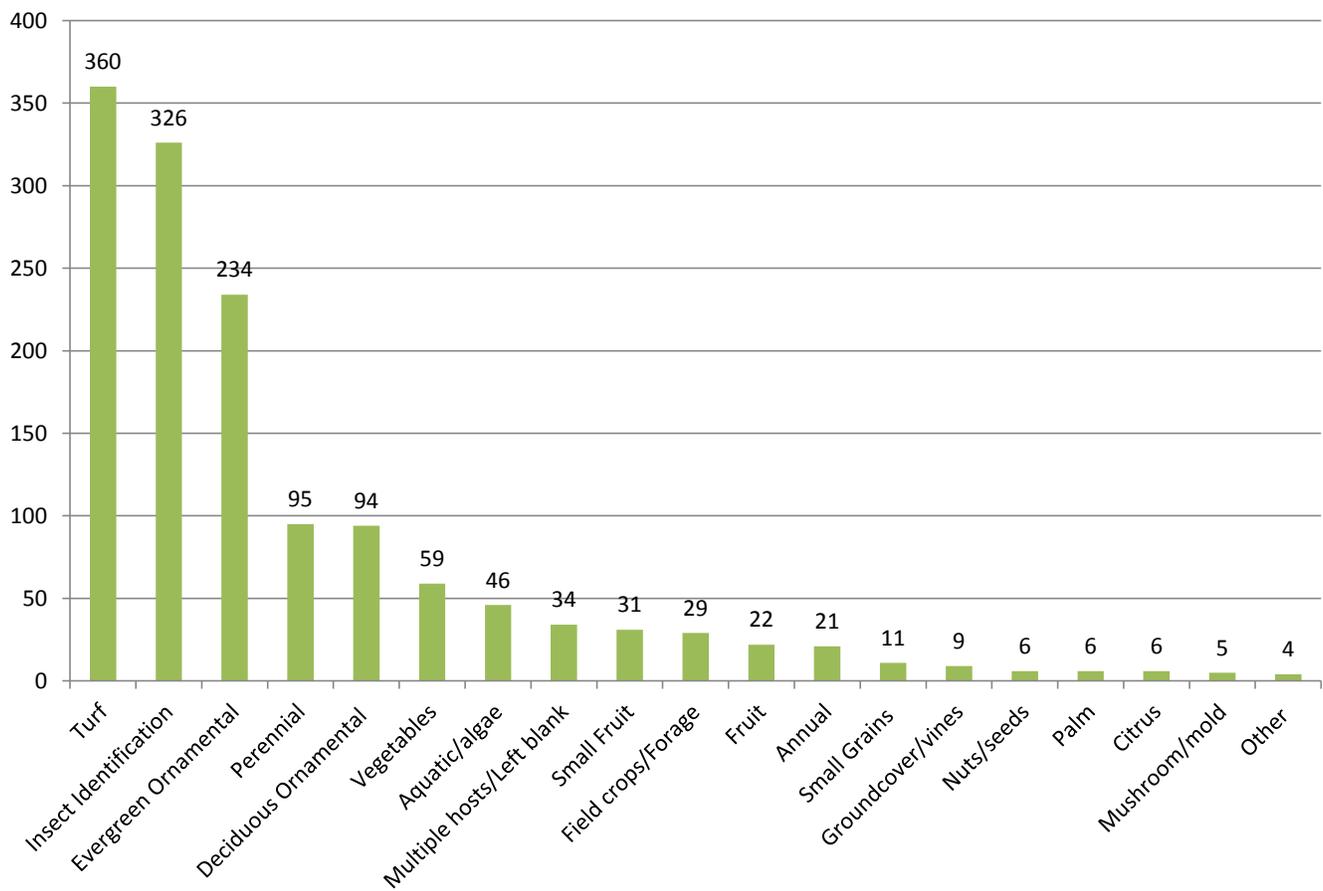
Plant Problem Clinic SubmitterTypes and Number of Samples for 2014*



Diagnoses/Identifications Requested from the Plant Problem Clinic in 2014



Plant Problem Clinic Crop Categories for 2014 by Number of Samples



Methods used for Diagnoses and Identifications

Method	Total		
Bioassay	34		
Biochemical	5		
Cultural	188		
Image	15		
Incubation	76		
Microscopic	677		
Visual	497		

Notes:

Bioassay methods are soil microbe baiting techniques.

Biolog is the Biochemical method used to identify bacteria.

Incubation refers mainly to moist tissue incubation.

Microscopic methods are used, but not recorded for cultural diagnoses.

Visual methods include analysis of sample information in addition to sample examination.

Confidence Designations

The charts in the following sections show confidence designations headings above the number of samples found for that crop at each confidence level. The following descriptions are provided to describe what these mean.

Confirmed - The diagnosis was derived using techniques which allowed for the confirmation of the organism to Genus, species and/or race or pathovar level.

Not Detected -The sample was submitted as a suspect sample or as part of survey project. The suspected or survey pathogen was not detected on the submitted sample.

Suspected - Diagnostic symptoms of the pathogen or pest were present but evidence to allow for a certain determination could not be confirmed. This term is often used with abiotic entries because it is difficult to make conclusive diagnoses with these types of problems based solely on a diagnostic sample.

Inconclusive - Although the sample was examined and/or tested to the best of our ability, a reliable result could not be achieved so the only conclusion is to label the sample inconclusive. This term may also be used for insects which can only be identified to the family level. In those cases, the type of insect was identified, but the genus and species could not be determined.

Diagnoses and Identifications on Ornamentals and Trees

	Confirmed	Not Detected	Suspected	Inconclusive
Angelina Stonecrop (<i>Sedum rupestre</i> 'Angelina') 1				
Mealybugs (Family Pseudococcidae)	0	0	0	1
Anise Tree (<i>Illicium</i> sp./spp.) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Arborvitae (<i>Thuja</i> spp.) 1				
Natural Senescence (Abiotic disorder)	1	0	0	0
Arborvitae (<i>Thuja standishii</i> x <i>plicata</i>) 2				
Armillaria Root Rot (<i>Armillaria</i> sp./spp.)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Arborvitae (<i>Thuja</i> sp./spp.) 10				
Cultural/Environmental Problem (Abiotic disorder)	1	0	3	0
Leaf Spot (<i>Stigmina</i> sp./spp.)	1	0	0	0
Macrophoma Blight; Dieback (<i>Macrophoma</i> sp./spp.)	3	0	0	0
Pestalotiopsis Needle Blight; Tip Blight (<i>Pestalotiopsis</i> sp./spp.)	1	0	0	0
Spider Mites (Family Tetranychidae)	0	0	0	1
Ash (<i>Fraxinus</i> sp./spp.) 2				
Discula Anthracnose (<i>Discula</i> sp./spp.)	1	0	0	0
Granulate Ambrosia Beetle (<i>Xylosandrus crassiusculus</i>)	1	0	0	0
Asiatic Jasmine (<i>Trachelospermum asiaticum</i>) 2				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Southern Stem Rot (<i>Sclerotium rolfsii</i>)	1	0	0	0
Asters (<i>Aster</i> sp./spp. hybrids) 1				
Chrysanthemum Lace Bug (<i>Corythucha marmorata</i>)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Azalea; Rhododendron (Rhododendron sp./spp.) 24				
Anthracnose; Colletotrichum Leaf Spot (Colletotrichum sp./spp.)	1	0	0	0
Azalea Lace Bug (Stephanitis pyrioides)	1	0	0	0
Citrus Flatid Planthopper (Metcalfa pruinosa)	0	0	1	0
Crown Rot; Root Rot; Stem Rot (Phytophthora sp./spp.)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	1	0	3	0
Dieback; Canker; Twig Blight (Botryosphaeria sp./spp.)	1	0	0	0
Freeze; Frost; Cold Damage (Abiotic disorder)	1	0	1	0
Insect Damage (Unidentified Insect)	0	0	0	1
Leaf and Flower Gall (Exobasidium azaleae)	1	0	0	0
Lichens (Lichenes)	0	0	0	1
Phomopsis Dieback; Tip Blight; Canker (Phomopsis sp./spp.)	4	0	0	0
Phytophthora Root; Crown Rot (Phytophthora cinnamomi)	1	0	0	0
Spider Mites (Family Tetranychidae)	0	0	0	2
Twospotted Spider Mite (Tetranychus urticae)	2	0	0	0
Formosa Azalea (Rhododendron simsii formosa) 2				
Environmental Stress; Problem (Abiotic disorder)	0	0	1	0
Twospotted Spider Mite (Tetranychus urticae)	1	0	0	0
Baldcypress (ornamental spp.) (Taxodium sp./spp.) 1				
Baldcypress Rust Mite (Eptrimerus taxodii)	1	0	0	0
Beech, American (Fagus grandifolia) 2				
Dieback; Canker; Twig Blight (Botryosphaeria sp./spp.)	1	0	0	0
Phomopsis Dieback; Tip Blight; Canker (Phomopsis sp./spp.)	1	0	0	0
Begonia (Begonia sp./spp.) 3				
Anthracnose; Colletotrichum Leaf Spot (Colletotrichum sp./spp.)	1	0	0	0
Chemical Injury (Abiotic disorder)	0	0	1	0
Leaf Spot (Abiotic disorder)	0	0	0	1

	Confirmed	Not Detected	Suspected	Inconclusive
Begonia, Wax (<i>Begonia semperflorens-cultorum</i>) 1				
Botrytis Blight (<i>Botrytis</i> sp./spp.)	1	0	0	0
Birch (<i>Betula</i> sp./spp.) 1				
Root Problems (Abiotic disorder)	0	0	1	0
Black Gum (<i>Nyssa sylvatica</i>) 1				
Tupelo Leafminer (<i>Antispila nysaefoliella</i>)	1	0	0	0
Black Walnut (<i>Juglans nigra</i>) 2				
Walnut Lace Bug (<i>Corythucha juglandis</i>)	1	0	0	0
Walnut Leaf Spot (<i>Cylindrosporium juglandis</i>)	1	0	0	0
Blue Atlas cedar (<i>Cedrus atlantica glauca</i>) 2				
Brown Spot ; Needle Blight (<i>Mycosphaerella dearnessii</i>)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Boxwood (<i>Buxus</i> sp./spp.) 12				
Anthracnose Stem Blight (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Boxwood Macrophoma Leaf Spot [<i>Dothiorella</i> (<i>Macrophoma</i>)] <i>sempervirens</i>	2	0	0	0
Boxwood Mite (<i>Eurytetranychus buxi</i>)	0	0	1	0
Boxwood Volutella Blight; Canker (<i>Volutella buxi</i>)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Freeze; Frost; Cold Damage (Abiotic disorder)	0	0	1	0
Leaf Blight (<i>Volutella buxi</i>)	1	0	0	0
Phomopsis Dieback; Tip Blight; Canker (<i>Phomopsis</i> sp./spp.)	1	0	0	0
Phytophthora Crown and/or Root Rot (<i>Phytophthora nicotianae</i>)	1	0	0	0
Common Boxwood (<i>Buxus sempervirens</i>) 13				
Boxwood Volutella Blight; Canker (<i>Volutella buxi</i>)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	6	0
Freeze; Frost; Cold Damage (Abiotic disorder)	0	0	1	0
Leaf Blight (<i>Volutella buxi</i>)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Macrophoma Blight; Dieback (<i>Macrophoma</i> sp./spp.)	1	0	0	0
Transplant Shock; Stress (Abiotic disorder)	0	0	2	0
Unspecified Pathology (<i>Pythium</i> sp./spp.)	1	0	0	0
Edging Boxwood (<i>Buxus sempervirens</i> 'suffruticosa') 9				
Boxwood Mite (<i>Eurytetranychus buxi</i>)	0	0	1	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	3	0
Mechanical Damage (Abiotic disorder)	1	0	0	0
Phytophthora Crown and/or Root Rot (<i>Phytophthora nicotianae</i>)	1	0	0	0
Pythium Root and/or Crown Rot (<i>Pythium</i> sp./spp.)	1	0	0	0
Unspecified Pathology (<i>Pythium</i> sp./spp.)	2	0	0	0
Fastigiata Boxwood (<i>Buxus sempervirens</i> 'Fastigiata') () 1				
Boxwood Mite (<i>Eurytetranychus buxi</i>)	1	0	0	0
Japanese Boxwood (<i>Buxus microphylla</i> var. <i>japonica</i>) 3				
Anthracnose Stem Blight (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Root-knot Nematodes (<i>Meloidogyne</i> sp./spp.)	1	0	0	0
Wood Decay Fungus (Unidentified Fungus)	0	0	0	1
Littleleaf Boxwood (<i>Buxus microphylla</i>) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Butterfly-bush (<i>Buddleia</i> sp./spp.) 2				
Cultural/Environmental Problem (Abiotic disorder)	0	0	0	0
Phytophthora Root; Crown Rot (<i>Phytophthora cinnamomi</i>)	1	0	0	0
Camellia (<i>Camellia</i> sp./spp.) 2				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Tea Scale (<i>Fiorinia theae</i>)	1	0	0	0
Common Camellia (<i>Camellia japonica</i>) 11				
Algal Leaf Spot (<i>Cephaleuros virescens</i>)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Camellia Yellow Mottle (Camellia Yellow Mottle Virus)	0	0	1	0
Colletotrichum Dieback [Glomerella cingulata (Colletotrichum gloeosporioides)]	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Insect Damage (Unidentified Insect)	0	0	1	0
Tea Scale (Fiorinia theae)	1	0	0	0
Unidentified Virus (Unidentified Virus)	0	0	3	1
Wood Boring Insect Damage (Unidentified Wood Boring Insect)	0	0	0	1
Camellia, Sasanqua (Camellia sasanqua) 7				
Algal Leaf Spot (Cephaleuros virescens)	1	0	0	0
Colletotrichum Dieback [Glomerella cingulata (Colletotrichum gloeosporioides)]	1	0	0	0
Dieback; Canker; Twig Blight (Botryosphaeria sp./spp.)	1	0	0	0
Greedy Scale (Hemiberlesia rapax)	1	0	0	0
Root Problems (Abiotic disorder)	0	0	1	0
Tea Scale (Fiorinia theae)	1	0	0	0
Twospotted Spider Mite (Tetranychus urticae)	1	0	0	0
Canna Lily (Canna x generalis) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Cedar, Eastern Red (Juniperus virginiana) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Chastetree (Vitex sp./spp.) 2				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Hydrophobic soil/planting mix/media (Abiotic disorder)	0	0	1	0
Cherry (Prunus sp./spp.) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Cherry Plum (Prunus cerasifera) 1				
Excessive Water (Abiotic disorder)	0	0	1	0

	Confirmed	Not Detected	Suspected	Inconclusive
Cherry-laurel (<i>Prunus laurocerasus</i>) 6				
Greedy Scale (<i>Hemiberlesia rapax</i>)	1	0	0	0
Insect Damage (Unidentified Insect)	0	0	0	1
Leaf Spot (<i>Pseudocercospora</i> sp./spp.)	1	0	0	0
Leaf Spot; Shothole [<i>Blumeriella</i> (<i>Coccomyces</i>) sp./spp.]	0	0	1	0
Spiders (Order Araneae)	0	0	0	1
Mealybug (Family Pseudococcidae)	1	0	0	0
Cherry, Japanese Flowering (<i>Prunus serrulata</i>) 1				
Cercospora Leaf Spot (<i>Cercospora</i> sp./spp.)	1	0	0	0
Cherry, Yoshino (<i>Prunus yedoensis</i>) 2				
Dieback; Canker; Twig Blight (<i>Botryosphaeria</i> sp./spp.)	1	0	0	0
Leaf Spot (<i>Pseudocercospora</i> sp./spp.)	1	0	0	0
China Fir (<i>Cunninghamia lanceolata</i>) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Chinese Fringe flower (<i>Loropetalum chinense</i>) 6				
Armillaria Root Rot (<i>Armillaria</i> sp./spp.)	1	0	0	0
Copper Deficiency (Abiotic disorder)	0	0	1	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	3	0
Root Girdling (Abiotic disorder)	1	0	0	0
Chinese Pistache (<i>Pistacia chinensis</i>) 1				
Black Twig Borer (<i>Xylosandrus compactus</i>)	1	0	0	0
Christmas Cactus (<i>Schlumbergera bridgesii</i>) 1				
Oedema; Edema (Abiotic disorder)	0	0	1	0
Chrysanthemum (<i>Chrysanthemum</i> sp./spp. hybrids) 3				
Bacterial Leaf Spot (<i>Pseudomonas cichorii</i>)	1	0	0	0
Fusarium Root Rot (<i>Fusarium</i> sp./spp.)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Fusarium Wilt (<i>Fusarium oxysporum</i> f.sp. <i>chrysanthemi</i>)	1	0	0	0
Clematis (Clematis sp./spp.) 1				
Clematis Wilt; Leaf Spot (<i>Phoma clematidina</i>)	1	0	0	0
Cleyera, Japanese Cleyera (Ternstroemia gymnanthera) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Confederate jasmine, Star jasmine (Trachelospermum jasminoides) 3				
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Dieback; Canker; Twig Blight (<i>Botryosphaeria</i> sp./spp.)	1	0	0	0
Crabapple (Malus sp./spp.) 1				
Woolly Apple Aphid (<i>Eriosoma lanigerum</i>)	0	0	1	0
Crape Myrtle (Lagerstroemia indica) 2				
Freeze; Frost; Cold Damage (Abiotic disorder)	0	0	1	0
Glyphosate Injury (Abiotic disorder)	0	0	1	0
Cryptomeria (Cryptomeria sp./spp.) 9				
Cedartree Borer (<i>Semanotus ligneus</i>)	0	0	1	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Macrophoma Leaf Spot (<i>Macrophoma</i> sp./spp.)	1	0	0	0
Maskell Scale (<i>Lepidosaphes maskelli</i>)	1	0	0	0
Cryptomeria, Japanese Cedar (Cryptomeria japonica) 2				
Dieback; Canker; Twig Blight (<i>Botryosphaeria</i> sp./spp.)	1	0	0	0
Pestalotiopsis Needle Blight; Tip Blight (<i>Pestalotiopsis</i> sp./spp.)	1	0	0	0
Cypress, Italian (Cupressus sempervirens) 4				
Dieback; Canker (<i>Seiridium</i> sp./spp.)	1	0	1	0
Mite Damage (Unidentified Mite)	0	0	0	1
Spider Mites (Family Tetranychidae)	0	0	0	1

	Confirmed	Not Detected	Suspected	Inconclusive
Twospotted Spider Mite (<i>Tetranychus urticae</i>)	1	0	0	0
Dogwood (<i>Cornus sp./spp.</i>) 2				
Lichens (Lichenes)	0	0	0	1
Trunk Decay; Rot (Unidentified Fungus)	0	0	0	1
Dogwood, Variegated Red-twig (<i>Cornus alba elegantissima</i>) 2				
Anthracnose; Twig Dieback (<i>Colletotrichum sp./spp.</i>)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Falsecypress, Hinoki (<i>Chamaecyparis obtusa</i>) 2				
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Falsecypress Sawara (<i>Chamaecyparis pisifera</i>) 1				
Minute Cypress Scale (<i>Carulaspis minima</i>)	1	0	0	0
Flowering Dogwood (<i>Cornus florida</i>) 11				
Anthracnose; Colletotrichum Leaf Spot (<i>Colletotrichum sp./spp.</i>)	1	0	0	0
Dieback; Canker; Twig Blight (<i>Botryosphaeria sp./spp.</i>)	1	0	0	0
Herbicide Injury; Exposure (Abiotic disorder)	0	0	2	0
High pH; low soluble salt dam. (Abiotic disorder)	1	0	0	0
Leaf Spot (<i>Actinopelte sp./spp.</i>)	1	0	0	0
Nutritional Deficiency (Abiotic disorder)	1	0	1	0
Phomopsis Leaf Spot (<i>Phomopsis sp./spp.</i>)	1	0	0	0
Powdery Mildew (<i>Oidium sp./spp.</i>)	1	0	0	0
Spot Anthracnose (<i>Elsinoe corni</i>)	1	0	0	0
Japanese Dogwood (<i>kousa</i>) (<i>Cornus kousa</i>) 1				
Dieback; Canker; Twig Blight (<i>Botryosphaeria sp./spp.</i>)	1	0	0	0
Elm (<i>Ulmus sp./spp.</i>) 2				
Bacterial Leaf Scorch (BLS) (<i>Xylella fastidiosa</i> (BLS))	0	1	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0

	Confirmed	Not Detected	Suspected	Inconclusive
Elm, American (<i>Ulmus americana</i>) 1				
Soft Scales (Family Coccidae)	0	0	0	1
Eucalyptus (<i>Eucalyptus</i> sp./spp.) 2				
Freeze; Frost; Cold Damage (Abiotic disorder)	0	0	1	0
Macrophoma Leaf Spot (<i>Macrophoma</i> sp./spp.)	1	0	0	0
Euphorbia (<i>Euphorbia</i> sp./spp.) 1				
Crown Gall (<i>Agrobacterium</i> sp./spp.)	0	1	0	0
Ferns (Ferns; various genera sp./spp.) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Fern, Autumn (<i>Dryopteris erythrosora</i>) 1				
Freeze; Frost; Cold Damage (Abiotic disorder)	0	0	1	0
Fern, Lady (<i>Athyrium filix-femina</i>) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Fig (ornamental) (<i>Ficus</i> sp./spp.) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Fig, Fiddle-leaf (<i>Ficus lyrata</i>) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Florida Anisetree (<i>Illicium floridanum</i>) 1				
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
Foamflower (<i>Tiarella</i> sp./spp.) 1				
Black Root Rot (<i>Thielaviopsis</i> (<i>Chalara</i>) <i>basicola</i> (<i>elegans</i>))	1	0	0	0
Forsythia; Golden Bells (<i>Forsythia</i> sp./spp.) 1				
Herbicide Injury; Exposure (Abiotic disorder)	0	0	1	0

	Confirmed	Not Detected	Suspected	Inconclusive
Foxglove (<i>Digitalis purpurea</i>) 2				
Black Root Rot [<i>Thielaviopsis basicola</i> (<i>Chalara elegans</i>)]	2	0	0	0
Gardenia (<i>Gardenia</i> sp./spp. hybrids) 3				
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Winter Injury (Abiotic disorder)	0	0	1	0
Gardenia, Common (cape jasmine) (<i>Gardenia jasminoides</i>) 1				
Root-knot Nematodes (<i>Meloidogyne</i> sp./spp.)	1	0	0	0
Geranium, House (<i>Pelargonium x hortorum</i>) 1				
Bacterial Wilt (<i>Ralstonia solanacearum</i> , Race 1)	1	0	0	0
Gerber Daisy (African Daisy) (<i>Gerbera</i> sp./spp.) 2				
Bacterial Leaf Spot (Unidentified Bacteria)	0	0	0	1
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
Ginkgo (<i>Ginkgo biloba</i>) 2				
Decline; Dieback (Abiotic disorder)	0	0	1	0
Mushroom (Unidentified Fungus)	0	0	0	1
Hickory (<i>Carya</i> sp./spp.) 1				
Japanese Dodder (<i>Cuscuta japonica</i>)	1	0	0	0
Holly (<i>Ilex</i> sp./spp.) 3				
Armillaria Root Rot (<i>Armillaria</i> sp./spp.)	0	0	1	0
Black Root Rot [<i>Thielaviopsis basicola</i> (<i>Chalara elegans</i>)]	1	0	0	0
Natural Senescence (Abiotic disorder)	1	0	0	0
Holly, Chinese (<i>Ilex cornuta</i>) 2				
Armillaria Root Rot (<i>Armillaria</i> sp./spp.)	0	0	1	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0

	Confirmed	Not Detected	Suspected	Inconclusive
Holly, Foster (<i>Ilex x attenuata fosteri</i>) 2				
Anthracnose; Twig Dieback (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Holly, Heller (mushroom) (<i>Ilex crenata helleri</i>) 1				
Euonymus Scale (<i>Unaspis euonymi</i>)	1	0	0	0
Holly, Inkberry (<i>Ilex glabra</i>) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Holly, Japanese (<i>Ilex crenata</i>) 3				
Black Root Rot [<i>Thielaviopsis basicola</i> (<i>Chalara elegans</i>)]	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Greedy Scale (<i>Hemiberlesia rapax</i>)	1	0	0	0
Holly, Yaupon (<i>Ilex vomitoria</i>) 4				
Black Root Rot [<i>Thielaviopsis basicola</i> (<i>Chalara elegans</i>)]	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	1	0	1	0
Hydrophobic soil/planting mix/media (Abiotic disorder)	1	0	0	0
Hollyhock (<i>Alcea rosea</i>) 1				
Mallow Rust; Hollyhock Rust (<i>Puccinia malvacearum</i>)	1	0	0	0
Honeysuckle (<i>Lonicera</i> sp./spp.) 1				
Black Root Rot [<i>Thielaviopsis basicola</i> (<i>Chalara elegans</i>)]	1	0	0	0
Hosta (<i>Hosta sieboldiana</i>) 2				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Normal Plant Growth (Identification Analysis)	1	0	0	0
Hydrangea (<i>Hydrangea</i> sp./spp.) 2				
Anthracnose; <i>Colletotrichum</i> Leaf Spot (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Mite Damage (Unidentified Mite)	0	0	0	1

	Confirmed	Not Detected	Suspected	Inconclusive
Hydrangea, Oakleaf (<i>Hydrangea quercifolia</i>) 2				
Armillaria Root Rot (<i>Armillaria</i> sp./spp.)	1	0	0	0
Phytophthora Root; Crown Rot (<i>Phytophthora cinnamomi</i>)	1	0	0	0
Impatiens (<i>Impatiens</i> sp./spp.) 4				
Black Leg; Pythium Stem Rot (<i>Pythium</i> sp./spp.)	0	0	1	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Mite Damage (Unidentified Mite)	1	0	0	0
Southern Stem Rot (<i>Sclerotium rolfsii</i>)				
Indian Hawthorn (<i>Raphiolepis indica</i>) 2				
Freeze; Frost; Cold Damage (Abiotic disorder)	0	0	1	0
Leaf Spot (<i>Entomosporium</i> sp.)	1	0	0	0
Yeddo Hawthorn (<i>Rhaphiolepis umbellata raphiolepis</i>) 1				
Armillaria Root Rot (<i>Armillaria</i> sp./spp.)	1	0	0	0
Ipomoea (morningglory) (<i>Ipomoea</i> sp./spp.) 1				
Stem Rot (Unidentified Agent)	0	0	0	1
Iris (<i>Iris</i> sp./spp.) 4				
Bacterial Soft Rot (Unidentified Bacterium)	0	0	0	3
Rhizoctonia Root Rot (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Ivy (<i>Hedera</i> sp./spp.) 1				
Anthracnose; Colletotrichum Leaf Spot (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Ivy, Algerian (<i>Hedera canariensis</i>) 1				
Crown and Root Rot (<i>Phytophthora</i> sp./spp.)	1	0	0	0
Ivy Tree (<i>Fatsyhedera lizei</i>) 4				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Mite Damage (Unidentified Mite)	0	0	0	1

	Confirmed	Not Detected	Suspected	Inconclusive
Phomopsis Leaf Spot (<i>Phomopsis</i> sp./spp.)	1	0	0	0
Jujube (<i>Ziziphus</i> sp./spp.) 2				
Dieback; Canker (<i>Coniothyrium</i> sp./spp.)	1	0	0	0
Dieback; Canker; Twig Blight (<i>Botryosphaeria</i> sp./spp.)	1	0	0	0
Juniper (<i>Juniperus</i> sp./spp.) 16				
Armillaria Root Rot (<i>Armillaria</i> sp./spp.)	1	0	0	0
Bagworm (<i>Thyridopteryx ephemeraeformis</i>)	1	0	0	0
Cedar-Quince Rust (<i>Gymnosporangium clavipes</i>)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	1	0	3	0
Juniper Scale (<i>Carulaspis juniperi</i>)	1	0	0	0
Juniper Tip Moth (<i>Glyphidocera juniperella</i>)	0	0	1	0
Juniper Webworm (<i>Dichomeris marginella</i>)	1	0	0	0
Pestalotiopsis Canker/ Dieback (<i>Pestalotiopsis</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
Shore Juniper (<i>Juniperus conferta</i>) 10				
Cultural/Environmental Problem (Abiotic disorder)	1	0	2	0
Freeze; Frost; Cold Damage (Abiotic disorder)	0	0	2	0
Pestalotiopsis Needle Blight; Tip Blight (<i>Pestalotiopsis</i> sp./spp.)	3	0	0	0
Sphaeropsis Dieback (<i>Sphaeropsis</i> sp./spp.)	1	0	0	0
Stem Rot; Dieback; Canker (<i>Botryodiplodia</i> sp./spp.)	1	0	0	0
Lavender, Spanish (<i>Lavandula stoechas</i>) 1				
Phytophthora Root and Basal Stem Rot (<i>Phytophthora nicotianae</i>)	1	0	0	0
Leucanthemum (<i>Leucanthemum</i> sp./spp.) 1				
Crown Gall (<i>Agrobacterium</i> sp./spp.)	0	0	1	0
Leyland Cypress (<i>X cupressocyparis leylandii</i>) 55				
Armored Scales (Family Diaspididae)	0	0	0	1

	Confirmed	Not Detected	Suspected	Inconclusive
Cultural/Environmental Problem (Abiotic disorder)	2	0	18	0
Diaspidid Scale (<i>Carulaspis</i> sp./spp.)	2	0	0	0
Dieback; Canker; Twig Blight (<i>Botryosphaeria</i> sp./spp.)	4	0	0	0
Insufficient Light (Abiotic disorder)	1	0	0	0
Juniper Scale (<i>Carulaspis juniperi</i>)	1	0	0	0
Low Soil Moisture (Abiotic disorder)	0	0	1	0
Maskell Scale (<i>Lepidosaphes pallida</i>)	3	0	0	0
Minute Cypress Scale (<i>Carulaspis minima</i>)	1	0	0	0
Natural Senescence (Abiotic disorder)	1	0	0	0
Needle Cast; Blight (<i>Passalora</i> (<i>Cercospora</i>) <i>sequoiae</i>)	4	0	0	0
Pestalotiopsis Needle Blight; Tip Blight (<i>Pestalotiopsis</i> sp./spp.)	1	0	0	0
Seasonal Leaf Drop (Abiotic disorder)	1	0	0	0
Seiridium Canker [<i>Seiridium unicorne</i> (<i>Lepteutypa cupressi</i>)]	12	0	0	0
Spiders (Order Araneae)	1	0	0	0
Stem Rot; Dieback; Canker (<i>Botryodiplodia</i> sp./spp.)	1	0	0	0
Ligustrum; Privet (<i>Ligustrum</i> sp./spp.) 8				
Algae (General)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	3	0
Leaf Spot (<i>Pseudocercospora</i> sp./spp.)	1	0	0	0
Phytophthora Root; Crown Rot (<i>Phytophthora cinnamomi</i>)	1	0	0	0
Root Problems (Abiotic disorder)	0	0	1	0
Whiteflies (Family Aleyrodidae)	1	0	0	0
Ligustrum, Japanese Privet (<i>Ligustrum japonicum</i>) 2				
Privet Mite (<i>Brevipalpus obovatus</i>)	0	0	1	0
Root Problems (Abiotic disorder)	1	0	0	0
Lobelia (<i>Lobelia</i> sp./spp.) 2				
Botrytis Blight (<i>Botrytis</i> sp./spp.)	1	0	0	0
White Mold (Stem Rot) (<i>Sclerotinia sclerotiorum</i>)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Lobelia, Garden (<i>Lobelia erinus</i>) 1				
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
Loquat (<i>Eriobotrya japonica</i>) 6				
Anthraxnose; Colletotrichum Leaf Spot (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	3	0
Phyllosticta Leaf Spot (<i>Phyllosticta</i> sp./spp.)	1	0	0	0
Phytophthora Root; Crown Rot (<i>Phytophthora cinnamomi</i>)	1	0	0	0
Lumber (habitat) 1				
Fungal Pathogens (General)	0	0	0	1
Magnolia (<i>Magnolia</i> sp./spp.) 2				
Powdery Mildew (<i>Oidium</i> sp./spp.)	1	0	0	0
Twospotted Spider Mite (<i>Tetranychus urticae</i>)	1	0	0	0
Magnolia, Southern (<i>Magnolia grandiflora</i>) 12				
Algal Leaf Spot (<i>Cephaleuros virescens</i>)	1	0	0	0
Black Twig Borer (<i>Xylosandrus compactus</i>)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Diaspidid Scale (<i>Chionaspis</i> sp./spp.)	1	0	0	0
False Oleander Scale (<i>Pseudaulacaspis cockerelli</i>)	1	0	0	0
Herbicide Injury; Exposure (Abiotic disorder)	1	0	0	0
Natural Senescence (Abiotic disorder)	1	0	0	0
Nutrient Imbalance (Abiotic disorder)	0	0	1	0
Southern Red Mite (<i>Oligonychus ilicis</i>)	1	0	0	0
Twig Girdler (<i>Oncideres cingulata</i>)	0	0	1	0
Twospotted Spider Mite (<i>Tetranychus urticae</i>)	1	0	0	0
Wood Boring Insect Damage (Unidentified Wood Boring Insect)	0	0	0	1
Maple (<i>Acer</i> sp./spp.) 2				
Eastern Fivespined Ips (<i>Ips grandicollis</i>)	1	0	0	0
Sixspined Ips (<i>Ips calligraphus</i>)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Maple, Japanese (<i>Acer palmatum</i>) 14				
Anthracnose Stem Blight (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Anthracnose; <i>Colletotrichum</i> Leaf Spot (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Anthracnose; Twig Dieback (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	4	0
Dieback; Canker; Twig Blight (<i>Botryosphaeria</i> sp./spp.)	3	0	0	0
Japanese Beetle (<i>Popillia japonica</i>)	0	0	1	0
Leaf Spot (Various Fungi)	0	0	0	1
Phomopsis Dieback; Tip Blight; Canker (<i>Phomopsis</i> sp./spp.)	2	0	0	0
Maple, Red (<i>Acer rubrum</i>) 10				
Anthracnose; <i>Colletotrichum</i> Leaf Spot (<i>Colletotrichum</i> sp./spp.)	1	0	2	0
Cultural/Environmental Problem (Abiotic disorder)	1	0	0	0
Dieback; Canker; Twig Blight (<i>Botryosphaeria</i> sp./spp.)	1	0	0	0
Discula Anthracnose (<i>Discula</i> sp./spp.)	0	0	1	0
Herbicide Injury; Exposure (Abiotic disorder)	0	0	0	1
Spider Mites (Family Tetranychidae)	0	0	0	1
Whiteflies (Family Aleyrodidae)	1	0	0	0
Maple, Sugar (<i>Acer saccharum</i>) 1				
Discula Anthracnose (<i>Discula</i> sp./spp.)	1	0	0	0
Maple, Silver (<i>Acer saccharinum</i>) 1				
Maple <i>Cristulariella</i> Leaf Spot (<i>Cristulariella depraedans</i>)	1	0	0	0
Mecardonia (<i>Mecardonia</i> sp./spp.) 2				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Insect Damage (Unidentified Insect)	0	0	0	1
Million Bells (<i>Calibrachoa</i> sp./spp.) 1				
Pythium Root and/or Crown Rot (<i>Pythium</i> sp./spp.)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Mixed Plant material (unspecified) 1				
Herbicide Carryover (Abiotic disorder)	0	0	1	0
Mondograss (dwarf lily turf) (Ophiopogon japonicus) 18				
Anthracnose; Colletotrichum Leaf Spot (Colletotrichum sp./spp.)	5	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Fern Scale (Pinnaspis aspidistrae)	1	0	0	0
Fusarium Root Rot (Fusarium sp./spp.)	6	0	0	0
Leaf Spot (Mycoleptodiscus indicus)	1	0	0	0
Pythium Root and/or Crown Rot (Pythium sp./spp.)	2	0	0	0
Rhizoctonia Root Rot (Rhizoctonia sp./spp.)	1	0	0	0
Muley Grass (Muhlenbergia sp./spp.) 1				
Gray Leaf Spot (Magnaporthe (ana. Pyricularia) grisea)	1	0	0	0
Nandina, Heavenly Bamboo (Nandina domestica) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Northern White (American) cedar (Thuja occidentalis) 1				
Phoma Blight; Dieback; Rot (Phoma sp./spp.)	1	0	0	0
Oak (Quercus sp./spp.) 2				
Oak Leaf Blister (Taphrina caerulescens)	0	0	1	0
Powdery Mildew (Microsphaera sp./spp.)	1	0	0	0
Oak, Sawtooth (Quercus acutissima) 3				
Cultural/Environmental Problem (Abiotic disorder)	1	0	0	0
Cytospora Canker; Dieback (Cytospora sp./spp.)	1	0	0	0
Leaf Spot (Tubakia dryina)	1	0	0	0
Oak, Turkey (Quercus laevis) 2				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Leaf Spot (Actinopelte sp./spp.)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Oak, Bur (<i>Quercus macrocarpa</i>) 1				
Leaf Scorch (Abiotic disorder)	0	0	0	1
Oak, Water (<i>Quercus nigra</i>) 5				
Bark Beetles; Ambrosia Beetles (Family Scolytidae)	1	0	0	0
Cerambycid Beetles (Family Cerambycidae)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	1	0	0	0
Lichens (Lichenes)	1	0	0	0
Wood Boring Insect Damage (Unidentified Wood Boring Insect)	0	0	0	1
Oak, Pin (<i>Quercus palustris</i>) 2				
Actinopelte Leaf Spot (<i>Actinopelte dryina</i>)	1	0	0	0
Herbicide Injury; Exposure (Abiotic disorder)	0	0	1	0
Oak, Willow (<i>Quercus phellos</i>) 2				
Environmental Stress; Problem (Abiotic disorder)	0	0	1	0
Oak, Northern Red (<i>Quercus rubra</i>) 4				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Herbicide Injury; Exposure (Abiotic disorder)	0	0	2	0
Solitary Oak Leafminer (<i>Cameraria hamadryadella</i>)	1	0	0	0
Oleander (<i>Nerium oleander</i>) 1				
Gopher Plant (<i>Euphorbia lathyris</i>)	1	0	0	0
Orchids (Family orchidaceae) 2				
Mold mite (<i>Tyrophagus</i> sp./spp.)	0	0	1	0
Empress Tree (<i>Paulownia elongata</i>) 2				
Phytophthora Root; Crown Rot (<i>Phytophthora cinnamomi</i>)	2	0	0	0
Princess Tree (<i>Paulownia tomentosa</i>) 1				
Aphid (<i>Stegophylla</i> sp./spp.)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Palms				
Cabbage (blue) palm (Sabal palmetto) 1				
Palmetto Scale (Comstockiella sabalis)	1	0	0	0
Canary Island date palm (Phoenix canariensis) 1				
Phomopsis Rachis Rot (Phomopsis sp./spp.)	1	0	0	0
Windmill Palm (Trachycarpus fortunei) 2				
Anthrachnose Stem Blight (Colletotrichum sp./spp.)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Pear, Callery; Bradford Pear (Pyrus calleryana) 5				
Botryosphaeria Dieback [Botryosphaeria obtusa (Sphaeropsis seriata)]	1	0	0	0
Cedar-Quince Rust (Gymnosporangium clavipes)	3	0	0	0
Obliquebanded Leafroller (Choristoneura rosaceana)	1	0	0	0
Phlox (Phlox sp./spp.) 6				
Black Root Rot [Thielaviopsis basicola (Chalara elegans)]	6	0	0	0
Phlox, Perennial (Phlox paniculata) 1				
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
Phlox Moss (pink phlox) (Phlox subulata) 15				
Black Root Rot [Thielaviopsis basicola (Chalara elegans)]	14	0	0	0
Pine, Mugo; Swiss mountain pine (Pinus mugo) 1				
Diplodia Blight (Sphaeropsis sapinea)	1	0	0	0
Pine, Longleaf (Pinus palustris) 1				
Indiangrass (Sorghastrum nutans) ()	1	0	0	0
Poinsettia (Euphorbia pulcherrima) 6				
Alternaria Leaf Spot (Alternaria sp./spp.)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Anthracnose; Colletotrichum Leaf Spot (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Fusarium Stem Rot (<i>Fusarium</i> sp./spp.)	1	0	0	0
Leaf Blight; Leaf Spot (<i>Botrytis</i> sp./spp.)	1	0	0	0
Nutritional Deficiency (Abiotic disorder)	1	0	0	0
Potting Soil; growing media (General (nursery)) 27				
Black Root Rot [<i>Thielaviopsis basicola</i> (<i>Chalara elegans</i>)]	17	2	0	0
No Pathogen Found (Identification Analysis)	0	8	0	0
Red Bay (<i>Persea borbonia</i>) 2				
Ambrosia Beetle (Family Scolytidae)	2	0	0	0
Dieback (Unidentified Fungus)	0	0	0	1
Redwood (<i>Sequoia sempervirens</i>) 1				
Needle Cast; Blight (<i>Passalora</i> (<i>Cercospora</i>) <i>sequoiae</i>)	0	0	1	0
River Birch (<i>Betula nigra</i>) 2				
Canker; Stem Blight; Dieback (<i>Botryosphaeria dothidea</i>)	1	0	0	0
Twig dieback (<i>Coryneum betulinum</i>)	1	0	0	0
Rose (<i>Rosa</i> sp./spp.) 15				
Armillaria Root and Crown Rot (<i>Armillaria</i> sp./spp.)	2	0	0	0
Brand Canker (<i>Coniothyrium wernsdorffiae</i>)	1	0	0	0
Cane Canker [<i>Coniothyrium fuckelli</i> (<i>Diapleella coniothyrium</i>)]	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Leaf /Stem/Twig Blight; Rot; Gray Mold [<i>Botrytis cinerea</i> (<i>Botryotinia fuckeliana</i>)]	1	0	0	0
Lichens (Lichenes)	0	0	0	1
Powdery Mildew (<i>Oidium</i> sp./spp.)	2	0	0	0
Root Problems (Abiotic disorder)	0	0	1	0
Rose Mosaic (<i>Prunus Necrotic Ringspot Virus</i> (PNRSV))	0	0	1	0
Rose Rosette Disease (Rose rosette-associated virus (RRaV))	1	0	1	0
Roseslug (<i>Endelomyia aethiops</i>)	0	0	1	0

	Confirmed	Not Detected	Suspected	Inconclusive
Unspecified Pathology (<i>Phytophthora</i> sp./spp.)	1	0	0	0
Rose-of-sharon; Shrub-althea (<i>Hibiscus syriacus</i>) 1				
Rhopalid Bug (<i>Niesthrea louisianica</i>)	1	0	0	0
Rhododendron, Rosebay (<i>Rhododendron maximum</i>) 1				
Pythium Root and/or Crown Rot (<i>Pythium</i> sp./spp.)	1	0	0	0
Rosemary (<i>Rosmarinus officinalis</i>) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Rudbeckia (<i>Rudbeckia</i> sp./spp.) 3				
Root Problems (Abiotic disorder)	0	0	1	0
Botrytis Blight (<i>Botrytis</i> sp./spp.)	1	0	0	0
Physiological Responses (Abiotic disorder)	1	0	0	0
Russian Sage (<i>Perovskia atriplicifolia</i>) 1				
Tissue proliferation; callus (Abiotic disorder)	0	0	1	0
Sage, Woodland (<i>Salvia nemorosa</i>) 1				
Black Root Rot [<i>Thielaviopsis basicola</i> (<i>Chalara elegans</i>)]	1	0	0	0
Sage, Hybrid Garden (<i>Salvia x sylvestris</i>) 1				
Root Problem (Unknown Cause)	0	0	0	1
Sago Palm (<i>Cycas revoluta</i>) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Spruce, Norway (<i>Picea abies</i>) 2				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Root Problems (Abiotic disorder)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Spruce, Dwarf Alberta (<i>Picea glauca conica</i>) 2				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Phomopsis Dieback; Tip Blight; Canker (<i>Phomopsis</i> sp./spp.)	1	0	0	0
Sedum, Angelina (<i>Sedum rupestre</i> 'Angelina') 3				
Aphids (Plant Lice) (Family Aphididae)	1	0	0	0
Mealybugs (Family Pseudococcidae)	1	0	0	0
Rhizoctonia Crown and Stem Rot (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Sedum, Autumn Joy (<i>Sedum telephium</i> 'Autumn Joy') 1				
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
Seven Sons flower (<i>Heptacodium miconioides</i>) 1				
Crown and Root Rot (<i>Phytophthora</i> sp./spp.)	1	0	0	0
St. Johnswort (<i>Hypericum</i> sp./spp.) 3				
Anthracnose Stem Blight (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Crown and Root Rot (<i>Phytophthora</i> sp./spp.)	1	0	0	0
Rust (<i>Uromyces triquetrus</i>)	1	0	0	0
Stonecrop (<i>Sedum</i> sp./spp.) 11				
Bacterial Soft Rot (Unidentified Bacterium)	0	0	0	1
Botrytis Blight (<i>Botrytis</i> sp./spp.)	3	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Environmental Stress; Problem (Abiotic disorder)	0	0	5	0
Rhizoctonia Stem Rot (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Tea Olive, sweet (<i>Osmanthus fragrans</i>) 3				
Anthracnose; <i>Colletotrichum</i> Leaf Spot (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Undetermined Injury or Pest (Identification Analysis)	0	0	0	1

	Confirmed	Not Detected	Suspected	Inconclusive
Tulip Tree (<i>Liriodendron tulipifera</i>) 2				
Powdery Mildew (<i>Erysiphe liriodendri</i>)	0	0	1	0
Yellow-poplar Weevil (<i>Odontopus calceatus</i>)	0	0	1	0
Tupelo; gum (<i>Nyssa sp./spp.</i>) 2				
Cercospora Leaf Spot (<i>Cercospora sp./spp.</i>)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Viburnum (<i>Viburnum sp./spp.</i>) 6				
Botrytis Blight (<i>Botrytis sp./spp.</i>)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Insect Damage (Unidentified Insect)	0	0	0	1
Phytophthora Root; Crown Rot (<i>Phytophthora cinnamomi</i>)	2	0	0	0
Viburnum, Chindo (<i>Viburnum awabuki</i>) 3				
Freeze; Frost; Cold Damage (Abiotic disorder)	0	0	1	0
Leaf Scorch (Abiotic disorder)	0	0	1	0
Phytophthora Crown and/or Root Rot (<i>Phytophthora nicotianae</i>)	1	0	0	0
Viburnum, Mirror-leaf (<i>Viburnum odoratissimum awabuki</i>) 2				
Anthracnose; Colletotrichum Leaf Spot (<i>Colletotrichum sp./spp.</i>)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Viburnum, Sweet (<i>Viburnum odoratissimum</i>) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Viburnum, Sandankwa (<i>Viburnum suspensum</i>) 3				
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Root-knot Nematodes (<i>Meloidogyne sp./spp.</i>)	1	0	0	0
Viburnum; Laurustinus (<i>Viburnum tinus</i>) 3				
Cercospora Leaf Spot (<i>Cercospora sp./spp.</i>)	1	0	0	0
Insect Damage (Unidentified Insect)	0	0	1	0

	Confirmed	Not Detected	Suspected	Inconclusive
Ramorum Blight (<i>Phytophthora ramorum</i>) not detected	0	1	0	0
Vinca, annual; Madagascar periwinkle (<i>Catharanthus roseus</i>) 4				
Anthracnose Stem Blight (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Phytophthora Root and Basal Stem Rot (<i>Phytophthora nicotianae</i>)	1	0	0	0
Phytophthora Stem Rot (<i>Phytophthora nicotianae</i> var. <i>parasitica</i>)	1	0	0	0
Pythium Root and/or Crown Rot (<i>Pythium</i> sp./spp.)	1	0	0	0
Vinca, Periwinkle (<i>Vinca</i> sp./spp.) 2				
Leaf Blight; Stem Blight; Stem Canker (<i>Phoma exigua</i>)	1	0	0	0
Southern Stem Rot (<i>Sclerotium rolfsii</i>)	1	0	0	0
Violas (violet; pansy) (<i>Viola</i> sp./spp.) 2				
Black Root Rot [<i>Thielaviopsis basicola</i> (<i>Chalara elegans</i>)]	2	0	0	0
Wax Myrtle, Southern Bayberry (<i>Myrica cerifera</i>) 4				
Anthracnose; Colletotrichum Leaf Spot (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Armored Scales (Family Diaspididae)	1	0	0	0
Dieback; Canker; Twig Blight (<i>Botryosphaeria</i> sp./spp.)	1	0	0	0
Phomopsis Dieback; Tip Blight; Canker (<i>Phomopsis</i> sp./spp.)	1	0	0	0
Weeping Willow (<i>Salix sepulcralis</i>) 2				
Dieback; Canker; Twig Blight (<i>Botryosphaeria</i> sp./spp.)	1	0	0	0
Leaf Spot (<i>Pseudocercospora</i> sp./spp.)	1	0	0	0
Wood Sorrel; false shamrock (<i>Oxalis regnellii</i>) 2				
Ashy Stem Blight (<i>Macrophomina phaseolina</i>)	1	0	0	0
Botrytis Blight (<i>Botrytis</i> sp./spp.)	1	0	0	0

Diagnoses and Identifications on Turfgrasses

	Confirmed	Not Detected	Suspected	Inconclusive
Bentgrass (<i>Agrostis</i> sp./spp.) 3				
Anthracnose Basal Rot; Crown Rot (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Bacterial Leaf Spot (<i>Acidovorax avenae avenae</i>)	1	0	0	0
Pythium Root Dysfunction (<i>Pythium volutum</i>)	1	0	0	0
Bermudagrass (<i>Cynodon dactylon</i>) 7				
Cereal/ Grass Disease (<i>Bipolaris</i> sp./spp.)	0	0	1	0
Curvularia Blight; Leaf Spot (<i>Curvularia</i> sp./spp.)	1	0	0	0
Environmental Stress; Problem (Abiotic disorder)	0	0	1	0
Leptosphaerulina Leaf Spot (<i>Leptosphaerulina</i> sp./spp.)	1	0	0	0
Pythium Blight; Cottony Blight (<i>Pythium</i> sp./spp.)	1	0	0	0
Root-knot Nematodes (<i>Meloidogyne</i> sp./spp.)	2	0	0	0
Bermudagrass (<i>Cynodon</i> sp./spp.) 106				
Bermudagrass (<i>Cynodon dactylon</i>)	1	0	0	0
Bermudagrass Scale (<i>Odonaspis ruthae</i>)	1	0	0	0
Blunt Broomsedge (<i>Carex tribuloides</i>)	1	0	0	0
Broomsedge Bluestem (<i>Andropogon virginicus</i>)	1	0	0	0
Brown Patch (<i>Colletotrichum caudatum</i>)	1	0	0	0
Brown Patch (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
Cream Leaf Blight (<i>Limonomyces roseipellis</i>)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	4	0	12	0
Curvularia Blight; Leaf Spot (<i>Curvularia</i> sp./spp.)	1	0	0	0
Cydnid Bug (<i>Pangaeus</i> sp./spp.)	1	0	0	0
Dense Thatch Layer (Abiotic disorder)	2	0	0	0
Dollar Spot (<i>Sclerotinia homeocarpa</i>)	1	0	0	0
Drainage Problem (Abiotic disorder)	0	0	1	0
Environmental Stress; Problem (Abiotic disorder)	0	0	0	0
Fairy Ring (Various Fungi)	0	1	0	1

	Confirmed	Not Detected	Suspected	Inconclusive
Fall Armyworm (<i>Spodoptera frugiperda</i>)	1	0	0	0
Field Burrweed; Spurweed [<i>Soliva sessilis</i> (pterosperma)]	1	0	0	0
Freeze; Frost; Cold Damage (Abiotic disorder)	1	0	0	0
Glyphosate Injury (Abiotic disorder)	0	0	1	0
Helminthosporium Leaf Spot [<i>Cochliobolus</i> (<i>Bipolaris</i>) cynodontis]]	1	0	0	0
Lance Nematodes (<i>Hoplolaimus</i> sp./spp.)	1	0	0	0
Leaf Rust; rust (<i>Puccinia</i> sp./spp.)	1	0	0	0
Leaf Spot (<i>Bipolaris</i> sp./spp.)	3	0	0	0
Leaf Spot (<i>Exserohilum</i> sp./spp.)	5	0	0	0
Leaf Spot; Leaf Blight [<i>Exserohilum rostratum</i> (<i>Setosphaeria</i> rostrata)]	3	0	0	0
Leptosphaerulina Leaf Blight (<i>Leptosphaerulina australis</i>)	2	0	0	0
Nakedstem Dewflower (<i>Murdannia nudiflora</i>)	1	0	0	0
Nimblewill (<i>Muhlenbergia schreberi</i>)	1	0	0	0
Phytophthium Root Rot (<i>Phytophthium</i> sp./spp.)	1	0	0	0
Pink Snow Mold; Fusarium Patch [<i>Microdochium nivale</i> (<i>Monographella nivalis</i>)]	3	0	0	0
Poor Growing Conditions (Abiotic disorder)	1	0	0	0
Poor Leaf Emergence (Abiotic disorder)	1	0	0	0
Purple-spored Puffball (<i>Calvatia cyathiformis</i>)	1	0	0	0
Purpletop (<i>Tridens flavus</i>)	1	0	0	0
Pythium Blight; Cottony Blight (<i>Pythium</i> sp./spp.)	2	0	0	0
Pythium Blight; Root Rot (<i>Pythium spinosum</i>)	3	0	0	0
Rhizoctonia Leaf Spot and/or Leaf Blight (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Root Decline of Warm Season Grasses (<i>Gaeumannomyces</i> graminis var. graminis)	2	0	0	0
Root Problems (Abiotic disorder)	7	0	4	0
Root-knot Nematodes (<i>Meloidogyne</i> sp./spp.)	3	0	1	0

	Confirmed	Not Detected	Suspected	Inconclusive
Rostratum Leaf Spot [<i>Exserohilum rostratum</i> (<i>Setosphaeria rostrata</i>)]	1	0	0	0
Sheath Blight (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Sheathoid Nematode (<i>Hemicriconemoides</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	2	0
Sting Nematode (<i>Belonolaimus longicaudatus</i>)	1	0	0	0
Sting Nematodes (<i>Belonolaimus</i> sp./spp.)	2	0	0	0
Stubby-root Nematodes (Family <i>Trichodoridae</i>)	1	0	0	0
Unspecified Pathology (<i>Pythium</i> sp./spp.)	1	0	0	0
Vasey's Grass (<i>Paspalum urvillei</i>)	1	0	0	0
Virginia Buttonweed (<i>Diodia virginiana</i>)	1	0	0	0
Winter Injury (Abiotic disorder)	1	0	2	0
Devil's tongue pricklypear (<i>Opuntia humifusa</i>)	1	0	0	0
Purple passionflower (<i>Passiflora incarnata</i>)	1	0	0	0

Centipedegrass (*Eremochloa ophiuroides*) 226

Annual Ryegrass; Italian Ryegrass (<i>Lolium perenne multiflorum</i>)	1	0	0	0
Anthracnose (<i>Colletotrichum graminicola</i>)	3	0	0	0
Anthracnose Leaf Blight (<i>Colletotrichum</i>) <i>graminicola</i>)	1	0	0	0
Asian Spikesedge (<i>Kyllinga squamulata</i>)	1	0	0	0
Bermudagrass Scale (<i>Odonaspis ruthae</i>)	4	0	0	0
Carolina Jessamine (<i>Gelsemium sempervirens</i>)	1	0	0	0
Chamberbitter (<i>Phyllanthus urinaria</i>)	1	0	0	0
Cold Wet Soils (Abiotic disorder)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	18	0	41	0
Curvularia Blight; Leaf Spot (<i>Curvularia</i> sp./spp.)	5	0	0	0
Decline; Dieback (Abiotic disorder)	0	0	1	0
Dollar Spot (<i>Sclerotinia homeocarpa</i>)	8	0	1	0
Dormancy (Abiotic disorder)	1	0	0	0
Excessive Water (Abiotic disorder)	4	0	0	0
Fusarium Blight (<i>Fusarium</i> sp./spp.)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Groundpearls (<i>Margarodes</i> sp./spp.)	2	0	0	0
Herbicide Injury; Exposure (Abiotic disorder)	1	0	2	0
High pH Damage (Abiotic disorder)	2	0	0	0
Hydrophobic soil(Abiotic disorder)	7	0	5	0
Insufficient Light (Abiotic disorder)	5	0	1	0
Large Patch [<i>Rhizoctonia solani</i> (<i>Thanatephorus cucumeris</i>)]	6	0	0	0
Low pH; Nutrient Imbalance (Abiotic disorder)	1	0	0	0
No Pathogen Found (Identification Analysis)	0	2	0	0
Not Pathogen; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	0	0	0	1
Nutrient Imbalance (Abiotic disorder)	2	0	14	0
Nutritional Deficiency (Abiotic disorder)	3	0	0	0
Perennial Ryegrass (<i>Lolium perenne</i>)	0	0	1	0
Poor Growing Conditions (Abiotic disorder)	2	0	0	0
Poor Leaf Emergence (Abiotic disorder)	23	0	20	0
Pythium Blight; Cottony Blight (<i>Pythium</i> sp./spp.)	2	0	0	0
Red Fescue; Creeping Red Fescue (<i>Festuca rubra</i>)	0	0	1	0
Rhizoctonia Leaf Spot and/or Leaf Blight (<i>Rhizoctonia</i> sp./spp.)	2	0	0	0
Rhizoctonia Stem Rot (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Rhodesgrass Mealybug (<i>Antonina graminis</i>)	1	0	2	0
Ring Nematode (<i>Mesocriconema</i> sp./spp.)	4	0	0	0
Root Problems (Abiotic disorder)	2	0	0	0
Root-knot Nematodes (<i>Meloidogyne</i> sp./spp.)	0	0	1	0
Rustweed (<i>Polypremum procumbens</i>)	1	0	0	0
Sheath Blight (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Shortleaf Spikesedge (<i>Kyllinga</i> (<i>Cyperus</i>) <i>brevifolius</i>)	1	0	0	0
Soil Compaction (Abiotic disorder)	2	0	0	0
Twolined Spittlebug (<i>Prosapia bicincta</i>)	0	0	1	0
Virginia Buttonweed (<i>Diodia virginiana</i>)	2	0	0	0
White Grub (June Beetle) (<i>Phyllophaga</i> sp.)	1	0	0	0
Winter Injury (Abiotic disorder)	2	0	2	0

	Confirmed	Not Detected	Suspected	Inconclusive
Fescues (Festuca spp) 31				
Anthracnose (Colletotrichum graminicola)	6	0	0	0
Armyworms; General (Family Noctuidae)	0	0	1	0
Ascochyta Blight (Ascochyta sp./spp.)	1	0	0	0
Brown Patch [Rhizoctonia solani (Thanatephorus cucumeris)]	5	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	1	0	2	0
Environmental Stress; Problem (Abiotic disorder)	0	0	1	0
Excessive Water (Abiotic disorder)	3	0	0	0
Gray Leaf Spot (Magnaporthe (ana. Pyricularia) grisea)	3	0	0	0
Leaf Rust; rust (Puccinia sp./spp.)	3	0	0	0
Low pH; Nutrient Imbalance (Abiotic disorder)	1	0	0	0
Pythium Blight; Cottony Blight (Pythium sp./spp.)	1	0	0	0
Rhizoctonia Leaf Spot and/or Leaf Blight (Rhizoctonia sp./spp.)	1	0	0	0
Scarab Beetle (Phyllophaga sp./spp.)	1	0	0	0
Undetermined Injury or Pest (Identification Analysis)	0	0	0	1
Fescue, Tall (Festuca arundinacea) 2				
Anthracnose (Colletotrichum graminicola)	1	0	0	0
Leptosphaerulina Leaf Spot (Leptosphaerulina sp./spp.)	1	0	0	0
Paspalum; Bahiagrass (Paspalum sp./spp.) 5				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Dotted Smartweed (Polygonum punctatum)	1	0	0	0
Insect Damage (Unidentified Insect)	0	0	0	1
Leaf Spot (Bipolaris sp./spp.)	1	0	0	0
Sheath Blight (Rhizoctonia sp./spp.)	1	0	0	0
Ryegrass (Lolium sp./spp.) 3				
Insufficient Sample (Identification Analysis)	0	0	0	0
Nutrient Imbalance (Abiotic disorder)	0	0	1	0
Spot Blotch (Cochliobolus (ana. Bipolaris) sativus)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
St. Augustinegrass (<i>Stenotaphrum secundatum</i>) 84				
Bermudagrass Scale (<i>Odonaspis ruthae</i>)	1	0	1	0
Chinch Bug Complex (<i>Blissus</i> sp./spp.)	17	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	9	0
Gray Leaf Spot (<i>Magnaporthe</i> (ana. <i>Pyricularia</i>) <i>grisea</i>)	31	0	3	0
Herbicide Injury; Exposure (Abiotic disorder)	0	0	1	0
Insect Damage (Unidentified Insect)	0	0	1	0
Insufficient Light (Abiotic disorder)	1	0	0	0
Large Patch [<i>Rhizoctonia solani</i> (<i>Thanatephorus cucumeris</i>)]	3	0	0	0
Nakedstem Dewflower (<i>Murdannia nudiflora</i>)	1	0	0	0
No Pathogen Found (Identification Analysis)	0	0	0	1
Nutrient Imbalance (Abiotic disorder)	1	0	2	0
Poor Leaf Emergence (Abiotic disorder)	3	0	2	0
Root Problems (Abiotic disorder)	2	0	1	0
Soil Compaction (Abiotic disorder)	1	0	0	0
Openflower rosettegrass/soft-tufted panicgrass (<i>Dichanthelium laxiflorum</i>)	1	0	0	0
Turfgrass (Unspecified Species) 5				
Bluejacket (<i>Tradescantia ohiensis</i>)	1	0	0	0
Corn Spurry (<i>Spergula arvensis</i>)	1	0	0	0
Smooth Crabgrass (<i>Digitaria ischaemum</i>)	1	0	0	0
Southern Masked Chafer (<i>Cyclocephala lurida</i> (<i>immaculata</i>))	1	0	0	0
Wood Rot Fungus: Sheep's Head (<i>Grifola frondosa</i>)	1	0	0	0
Zoysia Grass (<i>Zoysia</i> sp./spp.) 76				
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
Crabgrass (<i>Digitaria</i> sp./spp.)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	5	0	14	0
Curvularia Blight; Leaf Spot (<i>Curvularia</i> sp./spp.)	11	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Dense Thatch Layer (Abiotic disorder)	2	0	0	0
Dollar Spot (<i>Sclerotinia homeocarpa</i>)	8	0	0	0
Excessive Water (Abiotic disorder)	1	0	0	0
Fall Armyworm (<i>Spodoptera frugiperda</i>)	1	0	0	0
Herbicide Carryover (Abiotic disorder)	0	0	1	0
Herbicide Injury; Exposure (Abiotic disorder)	1	0	0	0
Hydrophobic soil (Abiotic disorder)	1	0	0	0
Insect Damage (Unidentified Insect)	0	0	0	1
Leaf Rust; rust (<i>Puccinia</i> sp./spp.)	1	0	1	0
Nutrient Imbalance (Abiotic disorder)	1	0	0	0
Nutritional Deficiency (Abiotic disorder)	1	0	0	0
Poor Growing Conditions (Abiotic disorder)	0	0	1	0
Poor Leaf Emergence (Abiotic disorder)	5	0	2	0
Rhizoctonia Blight (<i>Rhizoctonia solani</i>)	1	0	0	0
Ring Nematode (<i>Mesocriconema</i> sp./spp.)	1	0	0	0
Root Problems (Abiotic disorder)	2	0	2	0
Root-knot Nematodes (<i>Meloidogyne</i> sp./spp.)	1	0	0	0
Rust; Leaf Rust (<i>Puccinia zoysiae</i>)	5	0	0	0
Twolined Spittlebug (<i>Prosapia bicincta</i>)	0	0	1	0
Winter Injury (Abiotic disorder)	2	0	0	0
Yellow Tuft (<i>Sclerophthora</i> (<i>Phytophthora</i>) <i>macrospora</i>)	1	0	0	0

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	Confirmed	Not Detected	Suspected	Inconclusive
ANTS				
Acrobat Ants (<i>Crematogaster</i> sp./spp.)	1	0	0	0
Ant (Family Formicidae)	2	0	0	0
Argentine Ant (<i>Linepithema humile</i>)	2	0	0	0
Black Carpenter Ant (<i>Camponotus pennsylvanicus</i>)	1	0	0	0
Field Ant (<i>Formica</i> sp.)	1	0	0	0
Lasius Ant (<i>Lasius</i> sp./spp.)	1	0	0	0
Odorous House Ant (<i>Tapinoma sessile</i>)	1	0	0	0
Pharaoh Ant (<i>Monomorium pharaonis</i>)	2	0	0	0
Red Imported Fire Ant (IFA) (<i>Solenopsis invicta</i>)	1	0	0	0
Small Honey Ant (<i>Prenolepis imparis</i>)	1	0	0	0
BEE TL ES AND WEEVILS				
Bark Beetles; Ambrosia Beetles (Family Scolytidae)	1	0	0	0
Carpet Beetle (<i>Anthrenus scrophulariae</i>)	1	0	0	0
Carpet Beetles (Family Dermestidae)	1	0	0	0
Cigarette Beetle (<i>Lasioderma serricorne</i>)	2	0	0	0
Dermestid Beetles (Family Dermestidae)	3	0	0	0
Drugstore Beetle (<i>Stegobium paniceum</i>)	1	0	0	0
Foreign Grain Beetle (<i>Ahasverus advena</i>)	1	0	0	0
Red Flour Beetle (<i>Tribolium castaneum</i>)	1	0	0	0
Rice Weevil (<i>Sitophilus oryzae</i>)	2	0	0	0
Smooth Spider Beetle (<i>Gibbium aequinoctiale</i>)	1	0	0	0
Southern Lyctus Beetle (<i>Lyctus planicollis</i>)	1	0	1	0
Varied Carpet Beetle (<i>Anthrenus verbasci</i>)	1	0	0	0
Weevil (<i>Naupactus</i> sp.)	1	0	0	0
CATERPILLARS AND MOTHS				
Casemaking Clothes Moth (<i>Tinea pellionella</i>)	1	0	0	0
Bagworm (<i>Thyridopteryx ephemeraeformis</i>)	1	0	0	0
Indianmeal Moth (ImM) (<i>Plodia interpunctella</i>)	1	0	0	0
Variegated Cutworm (VCw) (<i>Peridroma saucia</i>)	0	0	1	0

	Confirmed	Not Detected	Suspected	Inconclusive
COCKROACHES				
American Cockroach (<i>Periplaneta americana</i>)	1	0	0	0
Smokybrown Cockroach (<i>Periplaneta fuliginosa</i>)	1	0	0	0
FLEAS				
Cat Flea (<i>Ctenocephalides felis</i>)	1	0	0	0
Flea (<i>Ctenocephalides</i> sp.)	1	0	0	0
FLIES, MIDGES AND GNATS				
Bibionid March Fly (<i>Plecia nearctica</i>)	1	0	0	0
Biting Midges (Family Ceratopogonidae)	1	0	0	0
Ceratopogonid Biting Midge (<i>Culicoides</i> sp./spp.)	1	0	0	0
Crane fly (<i>Tipula</i> sp./spp.)	1	0	0	0
Darkwinged Fungus Gnats (Family Sciaridae sp./spp.)	1	0	0	0
Ephemeropterid mayfly (Family Ephemeridae sp./spp.)	1	0	0	0
Fruit Fly (<i>Drosophila</i> sp./spp.)	2	0	0	0
Fungus Gnats (<i>Mycetophilidae</i> fam.)	0	0	0	1
Humpbacked Flies (Family Phoridae)	2	0	0	0
Humpbacked Phorid Fly (<i>Megaselia</i> sp./spp.)	1	0	0	0
Stable Fly (<i>Stomoxys calcitrans</i>)	1	0	0	0
Vinegar Fly (<i>Drosophila melanogaster</i>)	1	0	0	0
HONEYBEE AND PRODUCTS (<i>Apis mellifera</i>) 1				
Allegheny Mound Ant (<i>Formica exsectoides</i>)	1	0	0	0
HUMAN PARASITES				
Bed Bug (<i>Cimex lectularius</i>)	9	0	0	0
Crab Louse (<i>Phthirus (Phthirus) pubis</i>)	1	0	0	0
Head Louse (<i>Pediculus humanus</i>)	1	0	0	0
MILLIPEDES AND CENTIPEDES				
Garden Millipede (<i>Oxidus gracilis</i>)	1	0	0	0
House Centipede (<i>Scutigera coleoptrata</i>)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
MISCELLANEOUS ARTHROPODS				
European Earwig (<i>Forficula auricularia</i>)	0	0	1	0
Barklice (Order psocoptera)	1	0	0	0
Springtails (Order collembola)	1	0	0	0
MITES				
Tropical Fowl Mite (<i>Ornithonyssus bursa</i>)	1	0	0	0
MOSQUITOS				
Asian Tiger Mosquito (<i>Aedes albopictus</i>)	1	0	0	0
SHEET MOSS (<i>Hypnum</i> sp.) (HABITAT)1				
Psocids (Family Psocidae; Psocoptera)	1	0	0	0
SPIDERS				
Brown Recluse Spider (<i>Loxosceles reclusa</i>)	2	0	0	0
Combfooted Spider (<i>Parasteatoda tepidariorum</i>)	1	0	0	0
Crab Spider (Family Thomisidae; Araneae)	1	0	0	0
Southern House Spider (<i>Kukulcania hibernalis</i>)	1	0	0	0
Spider (Family Araneae)	1	0	0	0
TERMITES				
Eastern Subterranean Termite (<i>Reticulitermes flavipes</i>)	7	0	2	0
THRIPS				
Thrips (Order Thysanoptera)	1	0	0	0
TICKS				
American Dog Tick (<i>Dermacentor variabilis</i>)	1	0	0	0
Deer Tick (<i>Ixodes dammini</i>)	1	0	0	0
Lone Star Tick (<i>Amblyomma americanum</i>)	1	0	0	0
Ticks (Order acari)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
TRUE BUGS				
Negro Bug (<i>Dallasiellus</i> sp./spp.)	1	0	0	0
WASPS AND YELLOWJACKETS				
Eastern Yellowjacket (<i>Vespula maculifrons</i>)	1	0	0	0
Southern Yellowjacket (<i>Vespula squamosa</i>)	1	0	0	0
Spider Wasps (Family Pompilidae)	1	0	0	0

Plants and Weeds identified from Various Habitats

	Confirmed	Not Detected	Suspected	Inconclusive
Aquatic Habitat (Aquatic habitat) 3				
Alligatorweed (<i>Alternanthera philoxeroides</i>)	0	0	0	1
Greater Marsh St, John's Wort (<i>Triadenum walteri</i>)	1	0	0	0
Large-flowered Primrose-willow (<i>Ludwigia grandiflora</i>)	1	0	0	0
Broomsedge (<i>Andropogon virginicus</i>) 1				
Partridge Pea (<i>Chamaecrista fasciculata</i>)	1	0	0	0
Fallow field; idle land (habitat) 1				
Brazilian Vervain (<i>Verbena brasiliensis</i>)	1	0	0	0
Pasture (habitat) 6				
American Burnweed (<i>Erechtites hieraciifolia</i>)	1	0	0	0
Bahiagrass (<i>Paspalum notatum</i>) Tifton-9 cultivar	1	0	0	0
Beaked Panicgrass (<i>Panicum anceps</i>)	1	0	0	0
Sweetgum (<i>Liquidambar styraciflua</i>)	1	0	0	0
Tropical Soda Apple (<i>Solanum viarum</i>)	1	0	0	0
Vasey's Grass (<i>Paspalum urvillei</i>)	1	0	0	0
Plant Id request (general) 21				
American Cupscale (<i>Sacciolepis striata</i>)	1	0	0	0
Annual Ryegrass; Italian Ryegrass (<i>Lolium perenne multiflorum</i>)	1	0	0	0
Asiatic Dayflower (<i>Commelina communis</i>)	1	0	0	0
Brackenfern (<i>Pteridium aquilinum</i>)	1	0	0	0
Chinese Privet (<i>Ligustrum sinense</i>)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Cogongrass (<i>Imperata cylindrica</i>)	2	0	1	0
Filamentous Green Algae (<i>Spirogyra</i> ; <i>Oedogonium</i> ; <i>Cladophora</i> sp./spp.)	1	0	0	0
Jerusalem Cherry (<i>Solanum pseudocapsicum</i>)	1	0	0	0
Kentucky Bluegrass (<i>Poa pratensis</i>)	1	0	0	0
<i>Saccharum giganteum</i> (Sugarcane Plumegrass)	1	0	0	0
Southern Waternymph (<i>Najas guadalupensis</i>)	1	0	0	0
Spikerush (<i>Eleocharis</i> sp./spp.)	1	0	0	0
Thin Paspalum (<i>Paspalum setaceum</i>)	1	0	0	0
Vasey's Grass (<i>Paspalum urvillei</i>)	0	0	1	0
Water-spinach (<i>Ipomoea aquatica</i>)	1	0	0	0
Water-spinach) <i>Ipomoea aquatica</i>	1	0	0	0
Zoysia Grass (<i>Zoysia japonica</i>)	2	0	0	0

Ponds; Lakes; impounded waters (Aquatic habitat) 52

Floating Marshpennywort (<i>Hydrocotyle</i> <i>ranunculoides</i>)	1	0	0	0
Cyanobacteria (<i>Nodularia</i> sp.)	1	0	0	0
Alligatorweed (<i>Alternanthera philoxeroides</i>)	2	0	0	0
Baldwin's Spikerush (<i>Eleocharis baldwinii</i>)	5	0	0	0
Bladderwort (<i>Utricularia</i> sp.)	2	0	0	0
Blue-green Algae (<i>Microcystis</i> sp./spp.)	1	0	1	0
Brazilian Elodea (<i>Egeria densa</i>)	1	0	0	0
Brazilian Watermeal (<i>Wolffia brasiliensis</i>)	1	0	0	0
Carolina Fanwort (<i>Cabomba caroliniana</i>)	1	0	0	0
Common Duckweed (<i>Spirodela polyrrhiza</i>)	1	0	0	0
Cyanobacteria (General)	0	0	0	1

	Confirmed	Not Detected	Suspected	Inconclusive
Denseflower Knotweed (<i>Polygonum densiflorum</i> , <i>Polygonum glabrum</i>)	1	0	0	0
Dotted Duckmeat (<i>Landoltia punctata</i>)	1	0	0	0
Euglena (<i>Euglena</i> sp./spp.)	1	0	0	0
Filamentous Blue-Green Algae (<i>Lyngbya</i> sp./spp.)	2	0	0	0
Filamentous Green Algae (<i>Mougeotia</i> sp./spp.)	2	0	0	0
Filamentous Green Algae (<i>Spirogyra</i> ; <i>Oedogonium</i> ;)	1	0	0	0
Filamentous Green Algae (<i>Spirogyra</i> ; <i>Oedogonium</i> ; <i>Cladophora</i> sp./spp.)	3	0	0	0
Filamentous Green Algae (<i>Spirogyra</i> ; etc.)	1	0	0	0
Green Algae (<i>Zygnema</i> sp./spp.)	1	0	0	0
Horsehair Algae (<i>Pithophora</i> sp./spp.)	1	0	0	0
Miscellaneous Debris (Identification Analysis)	1	0	0	0
<i>Mougeotia</i> (filamentous green algae)	1	0	0	0
Needle Spikerush (<i>Eleocharis acicularis</i>)	1	0	0	0
<i>Nitella</i> (<i>Nitella</i> sp./spp.)	1	0	0	0
Non-motil, non-filamentous green algae (<i>Scenedesmus</i> , <i>Desmides</i>)	1	0	0	0
Pale Duckweed (<i>Lemna valdiviana</i>)	1	0	0	0
Parrotfeather (<i>Myriophyllum aquaticum</i>)	1	0	0	0
Rice Cutgrass (<i>Leersia oryzoides</i>)	1	0	0	0
Southern Naiad (<i>Najas guadalupensis</i>)	2	0	0	0
Stonewort (<i>Chara</i> sp./spp.)	1	0	0	0
Thin-leaf Pondweed (<i>Potamogeton</i> sp./spp.)	1	0	0	0
Bladderwort (<i>Utricularia</i> sp.)	1	0	0	0
Variable Watermilfoil (<i>Myriophyllum heterophyllum</i>)	1	0	0	0
Watershield (<i>Brasenia schreberi</i>)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Waterthread Pondweed (<i>Potamogeton diversifolius</i>)	3	0	0	0
Filamentous green algae (<i>Mougeotia</i>)	1	0	0	0
Multiple hosts (Plant identification) 1				
Florida Betony (<i>Stachys floridana</i>)	1	0	0	0
Mushroom (general) 1				
Earth Ball (<i>Scleroderma</i> sp./spp.)	1	0	0	0
Roadside (habitat) 2				
Itchgrass (<i>Rottboellia cochinchinensis</i>)	1	0	0	0
Silver Plumegrass (<i>Saccharum alopecuroides</i>)	1	0	0	0
Unknown Site; No site specified 3				
Aloe (<i>Aloe</i> sp./spp.)	1	0	0	0
Eastern Gamagrass (<i>Tripsacum dactyloides</i>)	1	0	0	0
Parasol Tree (<i>Firmiana simplex</i>)	1	0	0	0

Diagnoses and Identifications on Vegetables

	Confirmed	Not Detected	Suspected	Inconclusive
Bell Pepper (<i>Capsicum annuum grossum</i>) 5				
Cercospora Leaf Spot (<i>Cercospora</i> sp./spp.)	1	0	0	0
Damping Off (<i>Fusarium</i> sp./spp.)	1	0	0	0
Herbicide Drift (Abiotic disorder)	0	0	1	0
Pythium Damping Off (<i>Pythium</i> sp./spp.)	1	0	0	0
Southern Stem Rot (<i>Sclerotium rolfsii</i>)	1	0	0	0
Bok Choy; chinese cabbage (<i>Brassica chinensis</i> var. <i>chinensis</i>) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Cabbage (<i>Brassica oleracea</i> var. <i>capitata</i>) 3				
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
Unidentified Virus (Unidentified Virus)	0	0	1	0
White Mold (Stem Rot) (<i>Sclerotinia sclerotiorum</i>)	1	0	0	0
Cantaloupe; Cantaloupe (<i>Cucumis melo cantalupensis</i>) 2				
Colletotrichum Stem Decay (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Collards (<i>Brassica oleracea</i> var. <i>acephala</i>) 3				
Black Leaf Spot (<i>Alternaria brassicicola</i>)	1	0	0	0
Crucifer Clubroot (<i>Plasmodiophora brassicae</i>)	1	0	0	0
Insect Damage (Unidentified Insect)	0	0	1	0
Cucumber (<i>Cucumis sativus</i>) 2				
Nutrient Imbalance (Abiotic disorder)	1	0	0	0
Root-knot Nematodes (<i>Meloidogyne</i> sp./spp.)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Kale (<i>Brassica oleracea acephala</i>) 3				
Black Leaf Spot (<i>Alternaria brassicicola</i>)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Insect Damage (Unidentified Insect)	0	0	0	1
Lettuce (<i>Lactuca sativa</i>) 4				
Cercospora Leaf Spot (<i>Cercospora</i> sp./spp.)	1	0	0	0
Common Thrips (Family Thripidae)	0	0	0	1
Pythium Root and/or Crown Rot (<i>Pythium</i> sp./spp.)	2	0	0	0
Lima Bean (<i>Phaseolus lunatus</i>) 3				
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
Nutrient Imbalance (Abiotic disorder)	0	0	1	0
Rhizoctonia Stem Canker (<i>Thanatephorus</i> (<i>Rhizoctonia</i> sp.))	1	0	0	0
Napa; Chinese cabbage (<i>Brassica pekinensis</i>) 1				
Black Rot (<i>Xanthomonas campestris</i>)	0	0	1	0
Potato (seed) (<i>Solanum tuberosum</i>) 1				
Fusarium Dry Rot (<i>Gibberella</i> (<i>Fusarium</i>) <i>pulicaris</i> (<i>sambucinum</i>))	1	0	0	0
Rutabaga (swedish turnip) (<i>Brassica napus</i> var. <i>napobrassica</i>) 2				
Aphids (Plant Lice) (Family Aphididae)	0	0	0	1
Root-knot Nematodes (<i>Meloidogyne</i> sp./spp.)	1	0	0	0
Snap Bean; green bean (<i>Phaseolus vulgaris</i>) 3				
Black Leg; Pythium Stem Rot (<i>Pythium</i> sp./spp.)	1	0	0	0
Fusarium Stem; Root Rot (<i>Fusarium</i> sp./spp.)	1	0	0	0
Root-knot Nematodes (<i>Meloidogyne</i> sp./spp.)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Spinach (<i>Spinacia oleracea</i>) 1				
Pythium Root and/or Crown Rot (<i>Pythium</i> sp./spp.)	1	0	0	0
Squash (<i>Cucurbita</i> sp./spp.) 6				
Gummy Stem Blight [<i>Didymella bryonae</i> (ana. <i>Phoma cucurbitacearum</i>)]	1	0	0	0
Mechanical Damage (Abiotic disorder)	0	0	1	0
Nutrient Imbalance (Abiotic disorder)	1	0	0	0
Powdery Mildew (<i>Oidium</i> sp./spp.)	1	0	0	0
Pythium Root and/or Crown Rot (<i>Pythium</i> sp./spp.)	1	0	0	0
Rhizoctonia Crown and Stem Rot (<i>Thanatephorus</i> (<i>Rhizoctonia</i>) <i>cucumeris</i> (<i>solani</i>))	1	0	0	0
Sweet Corn (<i>Zea mays</i>) 1				
Sunscald (Abiotic disorder)	0	0	1	0
Sweetpotato (<i>Ipomoea batatas</i>) 1				
Insect Damage (Unidentified Insect)	0	0	1	0
Tomato (<i>Lycopersicon esculentum</i>) 27				
Aphids (Plant Lice) (Family <i>Aphididae</i>)	0	0	0	1
Bacterial Wilt (<i>Ralstonia solanacearum</i>)	3	0	1	0
Buckeye Rot (<i>Phytophthora</i> sp./spp.)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	3	0
Freeze; Frost; Cold Damage (Abiotic disorder)	1	0	0	0
Fusarium Wilt Complex (<i>Fusarium</i> sp./spp.)	1	0	0	0
Glyphosate Injury (Abiotic disorder)	1	0	0	0
Herbicide Injury; Exposure (Abiotic disorder)	0	0	2	0
Nutrient Imbalance (Abiotic disorder)	1	0	0	0
Oedema; Edema (Abiotic disorder)	2	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Pythium Root and/or Crown Rot (Pythium sp./spp.)	4	0	0	0
Root-knot Nematodes (Meloidogyne sp./spp.)	1	0	0	0
Southern Blight (Sclerotium rolfsii)	1	0	0	0
Tobacco Mosaic (Tobacco Mosaic Virus (TMV))	0	2	0	0
Tomato Bacterial Spot (Xanthomonas perforans)	0	0	1	0
Tomato Spotted Wilt (Tomato Spotted Wilt Virus (TSWV))	0	1	0	0
Turnip (greens) (Brassica rapa) 2				
Brassica Anthracnose (Colletotrichum higginsianum)	1	0	0	0
White Leaf Spot; Gray Stem (Mycosphaerella (ana. Pseudocercospora) capsellae)	1	0	0	0
Watermelon (Citrullus lanatus) 3				
Cucumber Mosaic (Cucumber Mosaic Virus (CMV))	0	1	0	0
Fusarium Wilt (Fusarium oxysporum)	1	0	0	0
Phytophthora Fruit Rot (Phytophthora capsici)	1	0	0	0

Diagnoses and Identifications on Fruits and Nuts

	Confirmed	Not Detected	Suspected	Inconclusive
Apple, Common (<i>Malus sylvestris</i>) 10				
Apple Maggot (AM) (<i>Rhagoletis pomonella</i>)	1	0	0	0
Bitter Rot (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Cedar-apple Rust (<i>Gymnosporangium juniperi-virginianae</i>)	3	0	0	0
Flyspeck [<i>Schizothyrium jamaicensis</i> (<i>Zygophiala pomi</i>)]	1	0	0	0
Graft Failure (Abiotic disorder)	1	0	0	0
Phomopsis Canker; Rough Bark [<i>Phomopsis mali</i> (<i>Diaporthe perniciosa</i>)]	1	0	0	0
Plum Curculio (<i>Conotrachelus nenuphar</i>)	1	0	0	0
Stink bug (order Hemiptera)	1	0	0	0
Apricot (<i>Prunus armeniaca</i>) 1				
Granulate Ambrosia Beetle (<i>Xylosandrus crassiusculus</i>)	1	0	0	0
Blackberry (<i>Rubus</i> sp./spp.) 9				
Cane Blight; Canker [<i>Coniothyrium</i> (<i>Leptosphaeria</i>) <i>fuckellii</i>]	2	0	0	0
Cane Blotch (<i>Cephaleuros</i> sp./spp.)	1	0	0	0
Cane and Leaf Rust (<i>Kuehneola uredinis</i>)	1	0	0	0
Cercospora Leaf Spot (<i>Cercospora</i> sp./spp.)	1	0	0	0
Double Blossom (Rosette) (<i>Cercospora rubi</i>)	1	0	0	0
Insect Damage (Unidentified Insect)	0	0	1	0
Twospotted Spider Mite (<i>Tetranychus urticae</i>)	2	0	0	0
Black Walnut (<i>Juglans nigra</i>) 1				
No regulated pest found in sample	0	1	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Blueberry (<i>Vaccinium</i> sp./spp.) 1				
Phytophthora Root; Crown Rot (<i>Phytophthora cinnamomi</i>)	2	0	0	0
Putnam Scale (<i>Diaspidiotus ancylus</i>)	0	0	1	0
Blueberry, Highbush (<i>Vaccinium corymbosum</i>) 2				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Dieback; Canker; Twig Blight (<i>Botryosphaeria</i> sp./spp.)	1	0	0	0
Blueberry, Rabbit-eye (<i>Vaccinium ashei</i>) 2				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Dieback; Canker; Twig Blight (<i>Botryosphaeria</i> sp./spp.)	1	0	0	0
Fig, Common (<i>Ficus carica</i>) 2				
Anthraxnose; Colletotrichum Leaf Spot (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Goji berry (<i>Lycium barbarum</i>) () 1				
Anthraxnose Fruit Rot (<i>Colletotrichum acutatum</i>)	1	0	0	0
Lemon (<i>Citrus limon</i>) 3				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0

	Confirmed	Not Detected	Suspected	Inconclusive
Lime (Citrus limetta) 2				
Bark Beetles; Ambrosia Beetles (Family Scolytidae)	0	0	0	1
Twospotted Spider Mite (Tetranychus urticae)	1	0	0	0
Mandarin; tangerine; Satsuma (Citrus reticulata) 3				
Anthracnose (Glomerella (Colletotrichum) cingulata (gloeosporioides))	0	0	1	0
Citrus Greening Huanglongbing (Asian) (Candidatus Liberibacter asiaticus)	0	1	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Muscadine Grape (Vitis rotundifolia) 8				
Angular Leaf Spot (Cercospora brachypus)	0	0	1	0
Bitter Rot (Greeneria uvicola)	2	0	0	0
Black Rot (Guignardia (Phyllosticta) bidwellii (ampellicida))	0	0	1	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Fruit Fly (Drosophila sp./spp.)	1	0	0	0
Grape Leafminer (Antispila viticordifoliella)	0	0	1	0
Meadow Barley (Hordeum brachyantherum)	1	0	0	0
Peach (Prunus persica) 21				
Peach Leaf Curl (Taphrina deformans)	1	0	0	0
Plum Curculio (Conotrachelus nenuphar)	1	0	0	0
White Peach Scale (Pseudaulacaspis pentagona)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Pear (<i>Pyrus communis</i>) 4				
Bitter Rot (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Callery Pear (<i>Pyrus calleryana</i>)	1	0	0	0
Cedar-Quince Rust (<i>Gymnosporangium clavipes</i>)	2	0	0	0
Pear, Japanese (<i>Pyrus pyrifolia</i>) 2				
Cedar-Quince Rust (<i>Gymnosporangium clavipes</i>)	1	0	0	0
Twospotted Spider Mite (<i>Tetranychus urticae</i>)	1	0	0	0
Pecan (<i>Carya illinoensis</i>) 9				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Herbicide Injury; Exposure (Abiotic disorder)	0	0	1	0
Jackson Briar; Lanceleaf Greenbriar (<i>Smilax smallii</i>)	1	0	0	0
Leaf Spot (Unidentified Fungus)	0	0	0	1
Liver Spot (<i>Gnomonia</i> (ana. <i>Asteroma</i>) <i>caryae</i>)	1	0	0	0
Pecan Leaf Phylloxera (<i>Phylloxera notabilis</i>)	1	0	0	0
Pecan; Hickory Scab (<i>Cladosporium caryigenum</i>)	1	0	0	0
Poison Ivy (<i>Toxicodendron</i> ())	0	0	1	0
Stink Bug Damage (Unidentified Stink Bug)	0	0	0	1
Persimmon, Common (<i>Diospyros virginiana</i>) 2				
Passalora Leaf Spot (<i>Passalora</i> sp./spp.)	1	0	0	0
Transplant Shock; Stress (Abiotic disorder)	0	0	1	0

	Confirmed	Not Detected	Suspected	Inconclusive
Pistachio (<i>Pistacia vera</i>) 1				
Cultural/Environmental Problem (Abiotic)	0	0	1	0
Plum (<i>Prunus</i> sp./spp.) 4				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Lichens (Lichenes)	0	0	0	1
Mechanical Damage (Abiotic disorder)	0	0	1	0
Pear Sawfly (<i>Caliroa cerasi</i>)	1	0	0	0
Pomegranate (<i>Punica granatum</i>) 1				
Scab (<i>Sphaceloma</i> sp./spp.)	0	0	1	0
Raspberry (<i>Rubus idaeus</i>) 1				
Cultural/Environmental Problem (Abiotic disorder)	0	0	1	0
Raspberry (<i>Rubus</i> sp./spp.) 1				
Fusarium Stem Rot (<i>Fusarium</i> sp./spp.)	1	0	0	0
Strawberry (<i>Fragaria</i> sp./spp.) 1				
Leaf Blotch (<i>Gnomonia</i> (<i>Zythia</i>) <i>comari</i> (<i>fragariae</i>))	0	0	1	0
Strawberry, commercial (garden) (<i>Fragaria x ananassa</i>) 19				
Anthracoze Stem Blight (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Botrytis Blight (<i>Botrytis</i> sp./spp.)	1	0	0	0
Botrytis Fruit Rot (<i>Botrytis</i> sp./spp.)	1	0	0	0
Chemical; Environmental Injury (Abiotic disorder)	0	0	1	0
Crown and Root Rot (<i>Phytophthora</i> sp./spp.)	1	0	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Fusarium Root Rot (<i>Fusarium</i> sp./spp.)	2	0	0	0
Fusarium Wilt (<i>Fusarium oxysporum</i>)	1	0	0	0
Fusarium Wilt Complex (<i>Fusarium</i> sp./spp.)	1	0	0	0
Leaf Blotch [<i>Gnomonia comari</i> (<i>Zythia fragariae</i>)]	2	0	0	0
Leaf Scorch [<i>Diplocarpon earlianum</i> (<i>Marssonina fragariae</i>)]	1	0	0	0
Phytophthora Root and Crown Rot (<i>Phytophthora cactorum</i>)	1	0	0	0
Strawberry Angular Leaf Spot; (<i>Xanthomonas fragariae</i>)	2	0	0	0
Undetermined Injury or Pest (Identification Analysis)	0	0	0	1
Unspecified Pathology (<i>Botrytis</i> sp./spp.)	1	0	0	0

Diagnoses and Identifications on Field Crops

	Confirmed	Not Detected	Suspected	Inconclusive
Cotton (<i>Gossypium hirsutum</i>) 13				
Aphids (Plant Lice) (Family Aphididae)	1	0	0	0
Stemphylium Leaf Spot (<i>Stemphylium</i> sp./spp.)	2	0	0	0
Corn, Field (<i>Zea mays</i>) 5				
Bollworm; Corn Earworm [<i>Helicoverpa</i> (<i>Heliothis</i>) <i>zea</i>]	1	0	0	0
Environmental Stress; Problem (Abiotic disorder)	0	0	1	0
Fusarium Root; Crown Rot (<i>Fusarium</i> sp./spp.)	1	0	0	0
Nutritional Deficiency (Abiotic disorder)	0	0	1	0
Orchardgrass (<i>Dactylis glomerata</i>)	1	0	0	0
Oats (<i>Avena sativa</i>) 5				
Black Leg; Pythium Stem Rot (<i>Pythium</i> sp./spp.)	1	0	0	0
Freeze; Frost; Cold Damage (Abiotic disorder)	0	0	2	0
Oat Leaf Spot; Seedling Blight [<i>Drechslera</i> (<i>Pyrenophora</i>) <i>avenae</i>]	2	0	0	0
Peanut (<i>Arachis hypogaea</i>) 1				
<i>Urochloa ramosa</i> (Browntop Millet)	1	0	0	0
Sesame, Oriental (<i>Sesamum indicum</i>) 1				
<i>Corynespora</i> Leaf Spot (<i>Corynespora cassiicola</i>)	1	0	0	0
Sorghum (<i>Sorghum bicolor</i>) 2				
Anthrachnose (<i>Colletotrichum graminicola</i>)	1	0	0	0
Grain Mold (Various Fungi)	0	0	0	1

	Confirmed	Not Detected	Suspected	Inconclusive
Soybean (Glycine max) 6				
Ashy Stem Blight (Macrophomina phaseolina)	1	0	0	0
Cultural/Environmental Problem (Abiotic disorder)	0	0	2	0
Lesser Cornstalk Borer (LCB) (Elasmopalpus lignosellus)	1	0	0	0
Nutrient Imbalance (Abiotic disorder)	0	0	1	0
Rhizoctonia Soilborne Diseases (Rhizoctonia sp./spp.)	1	0	0	0
Sunflower (Helianthus sp./spp.) 2				
Charcoal Rot (Macrophomina phaseolina)	1	0	0	0
Leaf Spot and Dieback (Alternaria zinniae)	1	0	0	0
Tobacco (general) (Nicotiana tabacum) 18				
Tobacco Mosaic (Tobacco Mosaic Virus (TMV))	2	16	0	0
Wheat, Common (Triticum aestivum) 9				
Booklice (Family Liposcelidae; Psocoptera)	0	0	0	1
Fusarium Rot (Fusarium sp./spp.)	1	0	0	0
Fusarium Stem Rot (Fusarium sp./spp.)	1	0	0	0
Glume Blotch [Stagonospora (Phaeosphaeria) nodorum]	0	0	1	0
Nutrient Imbalance (Abiotic disorder)	0	0	1	0
Sheath Blight (Rhizoctonia sp./spp.)	1	0	0	0
Stripe Rust; Yellow Rust (Puccinia striiformis var. striiformis)	1	0	0	0
Take-all (Gaeumannomyces sp./spp.)	1	0	0	0
Wheat Powdery Mildew (Blumeria (Erysiphe) graminis f.sp. tritici)	1	0	0	0

Diagnoses and Identifications in Forage and Pasture

	Confirmed	Not Detected	Suspected	Inconclusive
Arrowleaf Clover (<i>Trifolium vesiculosum</i>) 4				
Boron Deficiency (Abiotic disorder)	2	0	0	0
Low pH; Nutrient Imbalance (Abiotic disorder)	1	0	0	0
Root-knot Nematodes (<i>Meloidogyne</i> sp./spp.)	1	0	0	0

DIAGNOSES AND IDENTIFICATIONS BY THE MOLECULAR PLANT PATHOGEN IDENTIFICATION LAB

	Confirmed	Not Detected	Suspected	Inconclusive
BACTERIAL LEAF SCORCH DISEASES				
Blueberry (<i>Vaccinium sp./spp.</i>) 2				
Bacterial Leaf Scorch (BLS) (<i>Xylella fastidiosa</i>)	2	0	0	0
CITRUS GREENING TESTS				
Citrus (<i>Citrus sp./spp.</i>) 1				
No Pathogen Found (Identification Analysis)	0	1	0	0
Grapefruit (<i>Citrus paradisi</i>) 5				
Citrus Greening Huanglongbing (Asian) (<i>Candidatus Liberibacter asiaticus</i>)	1	4	0	0
Key Lime (<i>Citrus aurantifolia</i>) 5				
Citrus Greening Huanglongbing (Brazilian) (<i>Candidatus Liberibacter americanus</i>)	1	4	0	0
Lemon (<i>Citrus limon</i>) 17				
Citrus Greening Huanglongbing (Asian) (<i>Candidatus Liberibacter asiaticus</i>)	3	14	0	0
Lime (<i>Citrus limetta</i>) 3				
No Pathogen Found (Identification Analysis)	0	3	0	0
Satsuma Tangerine (<i>Citrus unshiu</i>) 2				
Citrus Greening Huanglongbing (Asian) (<i>Candidatus Liberibacter asiaticus</i>)	1	1	0	0
Satsuma; Mandarin; tangerine (<i>Citrus reticulata</i>) 2				
No Pathogen Found (Identification Analysis)	0	2	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Sweet Kumquat (<i>Fortunella crassifolia</i>) 2				
No Pathogen Found (Identification Analysis)	0	2	0	0
Sweet Orange (<i>Citrus sinensis</i>) 3				
No Pathogen Found (Identification Analysis)	0	3	0	0
HONEY BEE IDENTIFICATION 3				
European Honey Bee (EHB) (<i>Apis mellifera</i> european)	5	0	0	0
Africanized Honey Bee (<i>Apis mellifera</i> scutellata)	1	0	0	0
PHYTOPHTHORA SPECIES (RAMORUM AND QUERCINA SURVEYS)				
Azalea; Rhododendron (<i>Rhododendron</i> sp./spp.) 8				
Crown and Root Rot (<i>Phytophthora</i> sp./spp.)	1	0	0	0
No Pathogen Found (Identification Analysis)	0	7	0	0
Japanese Andromeda (<i>Pieris japonica</i>) 9				
No Pathogen Found (Identification Analysis)	0	9	0	0
Pieris (<i>Pieris</i> sp./spp.) 2				
No Pathogen Found (Identification Analysis)	0	2	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
HABITAT SURVEYS				
Ponds; Lakes; impounded waters (Aquatic habitat) 12				
No Pathogen Found (Identification Analysis)	0	9	0	0
Phytophthora gonapodyides	2	0	0	0
Phytophthora Root Rot Pathogen (Phytophthora cinnamomi)	1	0	0	0
River: stream: creek: waterway (Aquatic habitat) 23				
Root Rot Pathogen (Phytophthora sp./spp.)	1	0	0	0
No Pathogen Found (Identification Analysis)	0	12	0	0
Phytophthora gonapodyides	6	0	0	0
Phytophthora Root Rot Pathogen (Phytophthora cinnamomi)	4	0	0	0
Soil (habitat) 3				
No Pathogen Found (Identification Analysis)	0	2	0	0
Phytophthora gonapodyides	1	0	0	0
PHYTOPLASMA AND VIRUS TESTING (EUROPEAN STONE FRUIT YELLOWS, PLUM POX VIRUS)				
Common Apple (Malus sylvestris) 19				
No Pathogen Found (Identification Analysis)	0	19	0	0
Domestic Apple (Malus domestica) 49				
No Pathogen Found (Identification Analysis)	0	49	0	0
Peach (Prunus persica) 100				
No Pathogen Found (Identification Analysis)	0	100	0	0

	Confirmed	Not Detected	Suspected	Inconclusive
Prunus (Prunus sp./spp.) 10				
No Pathogen Found (Identification Analysis)	0	10	0	0
CERTIFICATION TESTING				
Soybean (Glycine max) 2				
Alfalfa Mosaic Virus [Alfalfa Mosaic Virus (AMV)]	0	2	0	0