

# Plant Disease Clinic Annual Report 2014



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## 2014 PLANT DISEASE CLINICS ANNUAL SUMMARY

Extension Plant Pathology maintains plant disease clinics at Athens and Tifton to aid county extension faculty in diagnosing and correcting disease related plant problems. Additionally, a laboratory for analysis for nematodes is maintained at Athens. The Plant Disease Clinic at Athens, operated by Ansuya Jogi, is located in Room 2405 Miller Plant Science Building. Samples analyzed in this clinic include commercial fruit, ornamentals, and turf; Christmas trees and forestry; all homeowner samples; legume forages, small grains, mushroom identification and wood rots. The Plant Disease Clinic at Tifton, operated by Jason Brock, is located in Room 116 of the Horticulture Building. Samples analyzed in this clinic include commercial samples of field crops, grain forages, pecans, and vegetables.

In 2014, 887 commercial plant samples were processed for diagnosis at Athens and 632 commercial plant samples were processed for diagnosis at Tifton. For the homeowners, 422 samples were analyzed.

Diagnoses and educational recommendations are returned to the county faculty. The clinics maintain a computerized database of samples and their diagnoses through the DDDI system.

### CLINIC SUMMARIES: 2012 PLANT SPECIMEN DIAGNOSES

Crop	Commercial Samples	Homeowner Samples	Total
Field Crops	220	1	221
Fruits and Nuts	245	47	292
Herbaceous Ornamentals	71	15	86
Miscellaneous	7	6	13
Trees	116	71	187
Turf	273	128	401
Vegetables	423	56	479
Woody Ornamentals	159	98	257
<b>Total*</b>	<b>1514</b>	<b>422</b>	<b>1936</b>

\*The total number of diagnoses shown here is larger than the total number of samples received (shown by Monthly Sample Submission) because some samples have more than one problem or diagnosis.

The largest crop category for Commercial clinic submissions was Vegetables, followed by Turf and then Fruits and Nuts. The largest crop category for Homeowner clinic submission was Turf, followed by Woody Ornamentals and then Trees.

**MONTHLY SAMPLE SUBMISSION SUMMARY: 2014**

<b>Month</b>	<b>Commercial Samples</b>	<b>Homeowner Samples</b>
January	15	9
February	19	11
March	61	13
April	138	24
May	139	55
June	179	85
July	152	64
August	111	40
September	89	53
October	103	38
November	85	10
December	64	5
<b>Total*</b>	<b>1155</b>	<b>407</b>

\*The total number of samples received shown here is smaller than the diagnoses shown in the clinic summaries because some samples have more than one problem or diagnosis. .

**DISTRIBUTION OF COMMERCIAL SAMPLES SUBMITTED BY COUNTY FOR 2014**

County	Samples	County	Samples	County	Samples
Appling	8	Floyd	6	Pierce	11
Atkinson	2	Forsyth	3	Polk	5
Bacon	18	Franklin	1	Pulaski	18
Baker	1	Fulton	18	Randolph	2
Baldwin	1	Gilmer	24	Richmond	11
Banks	3	Glascocock	3	Rockdale	6
Barrow	2	Glynn	5	Screven	3
Bartow	5	Gordon	3	Seminole	9
Berrien	6	Grady	5	Spalding	4
Bibb	15	Greene	1	Sumter	11
Bleckley	1	Gwinnett	22	Tattnall	12
Brantley	7	Habersham	2	Taylor	7
Brooks	7	Hall	2	Telfair	3
Bulloch	6	Haralson	1	Terrell	8
Burke	4	Harris	3	Thomas	6
Butts	1	Hart	2	Tift	47
Calhoun	1	Henry	1	Toombs	5
Candler	1	Houston	3	Towns	1
Carroll	3	Irwin	10	Treutlen	7
Charlton	2	Jackson	12	Troup	3
Chatham	22	Jasper	1	Turner	15
Cherokee	3	Jeff Davis	13	Twiggs	2
Clarke	25	Jefferson	4	Union	3
Clinch	3	Johnson	4	Upton	1
Cobb	17	Lamar	2	Ware	4
Coffee	10	Lanier	23	Washington	6
Colquitt	44	Laurens	14	Wayne	3
Columbia	3	Lowndes	19	Webster	9
Cook	30	Lumpkin	1	Wheeler	1
Coweta	2	Macon	4	Whitfield	3
Crawford	5	Madison	3	Wilcox	13
Crisp	5	Marion	1	Wilkes	1
Dawson	1	McDuffie	48	Worth	13
Decatur	13	McIntosh	1	Ware	4
DeKalb	14	Meriwether	1	Washington	6
Dodge	4	Miller	2	Wayne	3
Dooly	22	Monroe	1	Webster	9
Dougherty	1	Montgomery	3	Wheeler	6
Douglas	31	Morgan	3	White	4
Echols	8	Muscogee	14	Whitfield	3
Effingham	16	NA	229	Wilcox	13
Elbert	4	Newton	10	Wilkes	1
Emanuel	3	Oconee	8		
Evans	5	Paulding	4		
Fannin	1	Peach	9		

**DISTRIBUTION OF HOMEOWNER SAMPLES SUBMITTED BY COUNTY FOR 2014**

County	Samples	County	Samples
Appling	1	Houston	9
Bacon	2	Irwin	3
Baldwin	7	Jackson	4
Ben Hill	1	Jefferson	3
Bibb	31	Jenkins	3
Bleckley	1	Laurens	4
Brantley	5	Lee	6
Camden	1	Madison	1
Carroll	7	McDuffie	1
Charlton	1	McIntosh	3
Chatham	4	Monroe	22
Cherokee	3	Montgomery	6
Clarke	42	Morgan	14
Cobb	24	Muscogee	7
Colquitt	2	Newton	12
Columbia	2	Oconee	4
Coweta	5	Oglethorpe	1
Dade	5	Paulding	1
Dawson	1	Pierce	5
Decatur	1	Pulaski	4
DeKalb	4	Putnam	1
Dodge	3	Richmond	4
Dooly	2	Rockdale	6
Dougherty	7	Screven	1
Douglas	3	Sumter	1
Elbert	2	Terrell	1
Fannin	12	Thomas	9
Fayette	4	Toombs	1
Floyd	2	Treutlen	1
Forsyth	3	Walton	1
Franklin	1	Ware	1
Fulton	8	Wheeler	5
Gordon	3	White	4
Greene	13	Worth	1
Gwinnett	18		
Habersham	2		
Hall	1		
Harris	6		
Henry	17		

## CROP SUMMARIES

The following sections contain summaries of diagnosed samples by crop category.

**C:** Commercial

**H:** Homeowner

### FIELD CROPS

(Total Diagnoses 221: C=220; H=1)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Alfalfa C = 2 H = 0	Stemphylium Leaf Spot	<i>Stemphylium</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Common Wheat C = 13 H = 0	Powdery Mildew	<i>Erysiphe</i> sp./spp.	5	0
	Not Pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	1	0
	Loose Smut (Wheat; Rye)	<i>Ustilago tritici</i>	1	0
	Cultural/Environmental Problem	Abiotic disorder	1	0
	Glume Blotch	<i>Phaeosphaeria</i> ( <i>Stagonospora</i> ) <i>nodorum</i>	1	0
	Tan Spot; Yellow Leaf Spot	<i>Pyrenophora</i> (ana. <i>Drechslera</i> ) <i>tritici-repentis</i>	1	0
	Root Rot	Various Fungi	1	0
		<i>Fusarium</i> sp./spp.	1	0
	No Pathogen Found	2	0	
Corn C = 44 H = 1	Southern Leaf Blight	<i>Cochliobolus</i> (ana. <i>Bipolaris</i> ) <i>heterostrophus</i> ( <i>maydis</i> )	10	0
	Unknown	General	2	0
	Fusarium Ear Rot	<i>Fusarium</i> sp./spp.	1	0
	Northern Corn Leaf Spot	<i>Cochliobolus</i> ( <i>Bipolaris</i> ) <i>carbonum</i> ( <i>zeicola</i> )	1	0
	Chemical Injury	Abiotic disorder	2	0
	Nutritional Deficiency	Abiotic disorder	1	0
	Environmental Stress; Problem	Abiotic disorder	0	1
	Water Damage	Abiotic disorder	1	0
	Unknown Abiotic Disorder	Abiotic disorder	1	0
	Northern Corn Leaf Blight; Leaf Spot	<i>Setosphaeria</i> ( <i>Exserohilum</i> ) <i>turcica</i> ( <i>turcicum</i> )	1	0
	Southern Corn Rust	<i>Puccinia polysora</i>	20	0
		No Pathogen Found	2	0
		Unknown Agent	1	0
	Tomato Bacterial Spot	<i>Xanthomonas perforans</i>	1	0

Corn (Seed) C = 9 H = 0	Southern Leaf Blight	<i>Cochliobolus</i> (ana. <i>Bipolaris</i> ) <i>heterostrophus</i> ( <i>maydis</i> )	2	0
	Unknown	General	1	0
	Southern Corn Rust	<i>Puccinia polysora</i>	3	0
		Unknown cause	2	0
	Anthracnose; Twig Dieback	<i>Colletotrichum</i> sp./spp.	1	0
Cotton C = 39 H = 0	Ascochyta Blight	<i>Ascochyta gossypii</i>	1	0
	Bacterial Blight	<i>Xanthomonas campestris</i>	1	0
	Fusarium Wilt Complex	<i>Fusarium</i> sp./spp.	2	0
	Fusarium Wilt	<i>Fusarium oxysporum</i>	1	0
	Unknown	General	4	0
	Alternaria Leaf Spot	<i>Alternaria</i> sp./spp.	1	0
	Cercospora Leaf Spot	<i>Cercospora</i> sp./spp.	1	0
	Corynespora Leaf Spot	<i>Corynespora</i> sp./spp.	1	0
	Corynespora Leaf Spot	<i>Corynespora cassiicola</i>	3	0
	Stemphylium Leaf Spot	<i>Stemphylium</i> sp./spp.	9	0
	Southern Root-knot Nematode	<i>Meloidogyne incognita</i>	1	0
	Nutritional Deficiency	Abiotic disorder	1	0
	Cotton Fusarium Wilt	<i>Fusarium oxysporum</i>	3	0
		Abiotic disorder	1	0
		<i>Cercospora</i> sp./spp.	1	0
		No Pathogen Found	5	0
		Unknown cause	1	0
		No Pathogen Found	Identification Analysis	1
	Root-knot Nematodes	<i>Meloidogyne</i> sp./spp.	1	0
Grain Sorghum C = 5 H = 0	Anthracnose	<i>Colletotrichum graminicola</i>	2	0
	Charcoal Rot	<i>Macrophomina phaseolina</i>	1	0
		<i>Bipolaris</i> sp./spp.	1	0
		<i>Fusarium</i> sp./spp.	1	0
Oats C = 4 H = 0	Bipolaris Spot Blotch	<i>Bipolaris</i> sp./spp.	1	
	Bacterial Mosaic	<i>Clavibacter michiganensis</i>	1	0
		Barley Yellow Dwarf Virus (BYDV-RPV)	1	0
		No Pathogen Found	1	0
Oriental Sesame C = 2 H = 0	Charcoal Rot	<i>Macrophomina</i> sp./spp.	1	0
		No Pathogen Found	1	0
Peanut C = 46 H = 0	Unknown	General	2	0
	Cylindrocladium Black Rot	<i>Cylindrocladium parasiticum</i>	3	0
	Aspergillus Crown Rot	<i>Aspergillus niger</i>	3	0
	Rhizoctonia Pod Rot	<i>Rhizoctonia</i> sp./spp.	1	0

	Rhizoctonia Root and Stem Rot	<i>Thanatephorus (Rhizoctonia) cucumeris (solani)</i>	3	0
	Southern Stem Rot	<i>Sclerotium rolfsii</i>	2	0
	Rhizoctonia Damping Off	<i>Rhizoctonia sp./spp.</i>	1	0
	Tomato Spotted Wilt	Tomato Spotted Wilt Virus (TSWV)	4	0
	Lesion Nematodes	<i>Pratylenchus sp./spp.</i>	3	0
	Early Leaf Spot	<i>Mycosphaerella (ana. Cercospora) arachidis (arachidicola)</i>	2	0
	Leaf Scorch; Pepper Spot	<i>Leptosphaerulina crassiasca</i>	1	0
	Neocosmospora Root or Fruit Rot	<i>Neocosmospora vasinfecta</i>	1	0
	Late Leaf Spot	<i>Mycosphaerella (ana. Passalora) berkeleyi (personata)</i>	1	0
		Abiotic disorder	1	0
		No Pathogen Found	11	0
		Unknown cause	3	0
	Southern Blight	<i>Sclerotium rolfsii</i>	4	0
Pop Corn C = 2 H = 0		No Pathogen Found	1	0
		Unknown cause	1	0
Sorghum C = 2 H = 0	Unknown	General	1	0
		<i>Colletotrichum sp./spp.</i>	1	0
Southern peas; Cowpeas Blackeye Peas C = 3 H = 0	Ashy Stem Blight	<i>Macrophomina phaseolina</i>	1	0
	Fusarium Stem Rot	<i>Fusarium sp./spp.</i>	1	0
		<i>Colletotrichum sp./spp.</i>	1	0
Soybean C = 28 H = 0	Soybean Downy Mildew	<i>Peronospora manshurica</i>	2	0
	Unknown	General	4	0
	Charcoal Rot	<i>Macrophomina phaseolina</i>	2	0
	Chemical Injury	Abiotic disorder	1	0
	Pod and Stem Blight	<i>Diaporthe (Phomopsis) sp./spp.</i>	3	0
	Red Crown Rot	<i>Calonectria (ana. Cylindrocladium) ilicicola (parasiticum)</i>	2	0
	Insufficient Sample	Identification Analysis	1	0
		Abiotic disorder	1	0
		No Pathogen Found	4	0
		<i>Phyllosticta sp./spp.</i>	1	0
		<i>Rhizoctonia sp./spp.</i>	1	0



		Unknown cause	4	0
	No Pathogen Found	Identification Analysis	1	0
	Southern Blight	<i>Sclerotium rolfsii</i>	1	0
Sunflower C = 1 H = 0	Stalk Rot	<i>Sclerotinia</i> sp./spp.	1	0
Tobacco (Flue-cured) C = 19 H = 0	Black Root Rot	<i>Thielaviopsis (Chalara) basicola (elegans)</i>	1	0
	Black Shank	<i>Phytophthora nicotianae</i>	3	0
	Collar Rot	<i>Sclerotinia sclerotiorum</i>	1	0
	Rhizoctonia Damping Off	<i>Rhizoctonia</i> sp./spp.	1	0
	Sore Shin	<i>Rhizoctonia</i> sp./spp.	1	0
		No Pathogen Found	8	0
		Potato Virus Y (PVY)	1	0
	No Pathogen Found	Identification Analysis	3	0

**FRUITS AND NUTS**

(Total Diagnoses 292: C=245; H=47)

<b>HOST</b>	<b>DISEASE</b>	<b>CAUSAL ORGANISM</b>	<b>C</b>	<b>H</b>
Apricot C = 0 H = 1	Cultural/Environmental Problem	Abiotic disorder	0	1
Blackberry C = 5 H = 1	Cane Blotch	<i>Cephaleuros</i> sp./spp.	0	0
	Unknown	General	1	0
	Cultural/Environmental Problem	Abiotic disorder	0	1
	Cane Blight; Canker	<i>Leptosphaeria (Coniothyrium) coniothyrium (fuckelli)</i>	1	0
	No Virus Found	No Virus Found	1	0
		Unknown cause	1	0
Blueberry C = 148 H = 2	Anthracnose	<i>Gloeosporium</i> sp./spp.	1	0
	Crown Gall	<i>Agrobacterium tumefaciens</i>	1	0
	Unknown	General	4	0
	Rhizoctonia Root Rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Rhizoctonia Stem and Root Rot	<i>Rhizoctonia</i> sp./spp.	2	0
	Rhizoctonia Root and Stem Rot	<i>Thanatephorus (Rhizoctonia) cucumeris (solani)</i>	1	0
	Rhizoctonia Root; Crown Rot	<i>Rhizoctonia</i> sp./spp.	2	0
	Rhizoctonia Crown and Stem Rot	<i>Rhizoctonia</i> sp./spp.	6	0
	Phyllosticta Leaf Spot	<i>Phyllosticta</i> sp./spp.	1	0
	Septoria Leaf Spot	<i>Septoria</i> sp./spp.	1	0
	Algae	General	1	0
	Cultural/Environmental Problem	Abiotic disorder	0	2
	Nutritional Deficiency	Abiotic disorder	1	0
	Nutrient Imbalance	Abiotic disorder	3	0
	Iron Deficiency	Abiotic disorder	1	0
	Viruses	Viruses	1	0
	Anthracnose; Colletotrichum Leaf Spot	<i>Colletotrichum</i> sp./spp.	1	0
	Leaf Spot	<i>Pestalotiopsis (Pestalotia) sp./spp.</i>	1	0
	Cane Blight; Canker	<i>Leptosphaeria (Coniothyrium) coniothyrium (fuckelli)</i>	1	0
	Bacterial Leaf Scorch (BLS)	<i>Xylella fastidiosa</i> (BLS)	7	0
		Abiotic disorder	10	0
		Blueberry Necrotic Ring Blotch Disorder virus suspected	2	0
		<i>Botryosphaeria</i> sp./spp.	28	0

		<i>Cephaleuros virescens</i>	1	0
		<i>Cladosporium</i> sp./spp.	2	0
		<i>Colletotrichum</i> sp./spp.	3	0
		Complex of Biotic; Abiotic Factors	3	0
		Environmental Stresses	2	0
		<i>Exobasidium</i> sp./spp.	1	0
		<i>Fusicoccum</i> sp./spp.	3	0
		Oomycetes	3	0
		<i>Pestalotia</i> sp./spp.	1	0
		<i>Phomopsis</i> sp./spp.	2	0
		<i>Phyllosticta</i> sp./spp.	3	0
		<i>Phytophthora</i> sp./spp.	4	0
		<i>Rhizoctonia</i> sp./spp.	18	0
		<i>Rhizopus</i> sp./spp.	1	0
		Unknown cause	5	0
	No Pathogen Found	Identification Analysis	1	0
	Anthracnose; Twig Dieback	<i>Colletotrichum</i> sp./spp.	2	0
	Anthracnose Stem Blight	<i>Colletotrichum</i> sp./spp.	3	0
	Phytophthora Root; Crown Rot	<i>Phytophthora cinnamomi</i>	13	0
Common Apple C = 0 H = 5	Fire Blight	<i>Erwinia amylovora</i>	0	2
	Alternaria Leaf Spot	<i>Alternaria</i> sp./spp.	0	1
	Environmental Stress; Problem	Abiotic disorder	0	1
	Wound Canker	Abiotic disorder	0	1
Common Fig C = 0 H = 4	Fig Rust	<i>Cerotelium (Physopella) fici</i>	0	1
	Cultural/Environmental Problem	Abiotic disorder	0	1
	Root Problems	Abiotic disorder	0	1
	Armillaria Root Rot	<i>Armillaria (Armillariella)</i> sp./spp.	0	1
Grape C = 5 H = 1	Phomopsis Blight	<i>Phomopsis</i> sp./spp.	0	1
	Unknown	General	1	0
	Phomopsis Fruit Rot	<i>Phomopsis</i> sp./spp.	1	0
	Ripe Rot	<i>Colletotrichum</i> sp./spp.	1	0
		Abiotic disorder	1	0
		<i>Pseudocercospora vitis</i>	0	1
Japanese Plum C = 1 H = 0	Unknown	General	0	1
Japanese Walnut C = 0 H = 1	Wound Canker	Abiotic disorder	0	1
Lemon	Environmental Stress; Problem	Abiotic disorder	0	2

C = 0 H = 2	Rust Mites	Order acari	1	0
Muscadine Grape C = 5 H = 3	Unknown	General	1	0
	Fusarium Root; Crown Rot	<i>Fusarium</i> sp./spp.	1	0
	Freeze; Frost; Cold Damage	Abiotic disorder	1	0
	Black Rot	<i>Guignardia (Phyllosticta) bidwellii (ampellicida)</i>	0	3
	Insect Damage	Unidentified Insect	1	0
		Secondary Agents; Saprophytes; Unspecif.	1	0
Nectarine C = 0 H = 1	Insect Damage	Unidentified Insect	0	1
Olive C = 0 H = 1	Root Problems	Abiotic disorder	0	1
Peach C = 6 H = 6	Brown Rot	<i>Monilia</i> sp./spp.	0	2
	Peach Leaf Curl	<i>Taphrina deformans</i>	0	1
	Scab	<i>Cladosporium carpophilum</i>	0	2
	Unknown	General	1	0
	Stonefruit Bacterial Spot	<i>Xanthomonas campestris</i>	1	0
	Chemical Injury	Abiotic disorder	1	0
	Cultural/Environmental Problem	Abiotic disorder	0	1
		Abiotic disorder	2	0
		Unknown cause	1	0
Pear C = 0 H = 5	Fire Blight	<i>Erwinia amylovora</i>	0	2
	Cultural/Environmental Problem	Abiotic disorder	0	1
	Cedar-Quince Rust	<i>Gymnosporangium clavipes</i>	0	1
	Fabraea Leaf and Fruit Spot	<i>Fabraea (Entomosporium) maculata (maculatum)</i>	0	1
Pecan C = 34 H = 2	Pecan; Hickory Scab	<i>Cladosporium caryigenum</i>	6	0
	Black Pecan Aphid	<i>Melanocallis caryaefoliae</i>	1	0
	Chemical Injury	Abiotic disorder	2	0
	Environmental Stress; Problem	Abiotic disorder	0	2
	Physiological Responses	Abiotic disorder	2	0
	Anthracoze Fruit Spot	<i>Colletotrichum</i> sp./spp.	1	0
	Anthracoze; Colletotrichum Leaf Spot	<i>Colletotrichum</i> sp./spp.	1	0
	Bacterial Leaf Scorch (BLS)	<i>Xylella fastidiosa</i> (BLS)	1	0
	Adequate Sample	Identification Analysis	1	0
		Abiotic disorder	2	0

		<i>Colletotrichum</i> sp./spp.	1	0
		<i>Lasiodiplodia</i> ( <i>Botryodiplodia</i> ) <i>theobromae</i>	3	0
		<i>Lasiodiplodia</i> ( <i>Diplodia</i> ) <i>theobromae</i> ( <i>gossypina</i> )	1	0
		No Pathogen Found	7	0
		Unknown cause	3	0
	No Pathogen Found	Identification Analysis	2	0
Plum C = 0 H = 6	Brown Rot	<i>Monilia</i> sp./spp.	0	2
	Not Pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	0	1
	Unknown Abiotic Disorder	Abiotic disorder	0	2
	Wound Canker	Abiotic disorder	0	1
Pomegranate C = 4 H = 2	Anthracnose Fruit Rot	<i>Colletotrichum</i> sp./spp.	1	0
	Anthracnose Fruit Rot	<i>Colletotrichum</i> <i>gloeosporioides</i>	0	1
	Cultural/Environmental Problem	Abiotic disorder	0	1
		<i>Aspergillus</i> sp./spp.	1	0
		<i>Botryosphaeria</i> sp./spp.	1	0
		<i>Fusarium</i> sp./spp.	1	0
Raspberry C = 1 H = 0	Cane Blight; Canker	<i>Leptosphaeria</i> ( <i>Coniothyrium</i> ) <i>coniothyrium</i> ( <i>fuckelli</i> )	1	0
Satsuma; Mandarin; Tangerine C = 0 H = 1	Cultural/Environmental Problem	Abiotic disorder	0	1
Strawberry C = 38 H = 1	Phytophthora Fruit Rot	<i>Phytophthora</i> sp./spp.	2	0
	Rhizoctonia Root Rot	<i>Rhizoctonia</i> sp./spp.	2	0
	Phytophthora Stem Rot	<i>Phytophthora</i> sp./spp.	3	0
	Rhizoctonia Crown and Stem Rot	<i>Rhizoctonia</i> sp./spp.	4	0
	Mycosphaerella Leaf Spot	<i>Mycosphaerella</i> sp./spp.	1	0
	Phomopsis Leaf Spot	<i>Phomopsis</i> sp./spp.	1	0
	Mites	Order Acari	3	0
	Spider Mites	Family Tetranychidae	1	0
	Chemical Injury	Abiotic disorder	1	0
	Sunscald	Abiotic disorder	1	0
	Environmental Stress; Problem	Abiotic disorder	0	1
	Anthracnose; Colletotrichum Leaf Spot	<i>Colletotrichum</i> sp./spp.	3	0
		Abiotic disorder	1	0

		<i>Botrytis</i> sp./spp.	8	0
		<i>Phytophthora cactorum</i>	4	0
		<i>Phytophthora</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
	Anthracnose Stem Blight	<i>Colletotrichum</i> sp./spp.	1	0

**HERBACEOUS ORNAMENTALS**  
(Total Diagnoses 86: C=71; H=15)

<b>HOST</b>	<b>DISEASE</b>	<b>CAUSAL ORGANISM</b>	<b>C</b>	<b>H</b>
Amborella C = 1 H = 0	Fusarium Stem Rot	<i>Fusarium</i> sp./spp.	1	0
Angel Flower C = 3 H = 0	Crown and Root Rot	<i>Phytophthora</i> sp./spp.	2	0
	Rhizoctonia Root; Crown Rot	<i>Rhizoctonia</i> sp./spp.	1	0
Arugula C = 1 H = 0		No Pathogen Found	1	0
Asiatic Jasmine C = 1 H = 0	Rhizoctonia Stem and Root Rot	<i>Rhizoctonia</i> sp./spp.	1	0
Blackeyed Susan C = 1 H = 0		No Pathogen Found	1	0
Candytuff C = 1 H = 0	Rhizoctonia Root; Crown Rot	<i>Rhizoctonia</i> sp./spp.	1	0
Cast Iron Plant C = 2 H = 0	Winter Injury	Abiotic disorder	1	0
		No Pathogen Found	1	0
Chrysanthemum C = 0 H = 1	Pythium Root and/or Crown Rot	<i>Pythium</i> sp./spp.	0	1
Common Borage; Talewort C = 1 H = 0		No Pathogen Found	1	0
Dahlia C = 1 H = 0	No Virus Found	No Virus Found	1	0
Daylily C = 0 H = 2	Leaf Streak	<i>Aureobasidium microstictum</i>	0	1
	Chemical Injury	Abiotic disorder	0	1
Downy Thornapple ; Angel's tru C = 2 H = 0	Tomato Spotted Wilt	Tomato Spotted Wilt Virus (TSWV)	1	0
		No Pathogen Found	1	0

English Ivy C = 3 H = 0	Anthracnose; Leaf Spot	<i>Colletotrichum trichellum</i>	1	0
	Crown Rot; Root Rot; Stem Rot	<i>Phytophthora</i> sp./spp.	2	0
Euphorbia C = 1 H = 0		No Pathogen Found	1	0
Ferns C = 0 H = 1	Environmental Stress; Problem	Abiotic disorder	0	1
Geranium ('cultivated') C = 1 H = 0		No Pathogen Found	1	0
Grandiflora Blanket Flower C = 1 H = 0	Powdery Mildew	<i>Oidium</i> sp./spp.	1	0
Hibiscus C = 3 H = 0	d	No Pathogen Found	2	0
	Crown Rot; Root Rot; Stem Rot	<i>Phytophthora</i> sp./spp.	1	0
Hosta C = 15 H = 0	Cercospora Leaf Spot	<i>Cercospora</i> sp./spp.	1	0
	Hosta Virus X	Hosta Virus X (HVX)	3	0
	Freeze; Frost; Cold Damage	Abiotic disorder	1	0
	Bacterial Soft Rot	<i>Pectobacterium carotovorum</i>	7	0
	Pythium Root and/or Crown Rot	<i>Pythium</i> sp./spp.	1	0
		<i>Cercospora</i> sp./spp.	1	0
House Geranium C = 1 H = 0	Pythium Root and/or Crown Rot	<i>Pythium</i> sp./spp.	1	0
Hydrangea C = 0 H = 1	Herbicide Injury; Exposure	Abiotic disorder	0	1
Impatiens C = 1 H = 0		No Pathogen Found	1	0
Kaffir Lily C = 1 H = 0	Sunscald	Abiotic disorder	1	0
Lily Turf C = 1 H = 0	Anthracnose; Colletotrichum Leaf Spot	<i>Colletotrichum</i> sp./spp.	1	0



Lily-of-the-nile C = 2 H = 0	Anthracnose; Colletotrichum Leaf Spot	<i>Colletotrichum</i> sp./spp.	1	0
	Crown Rot; Root Rot; Stem Rot	<i>Phytophthora</i> sp./spp.	1	0
Lilyturf (Bordergrass) C = 1 H = 0	Crown and Root Rot	<i>Phytophthora</i> sp./spp.	1	0
Madagascar periwinkle; Vinca C = 0 H = 1	Root Problems	Abiotic disorder	0	1
Million Bells C = 2 H = 0		No Pathogen Found	2	0
Mondograss (Dwarf Lily Turf) C = 2 H = 2	Rhizoctonia Root; Crown Rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Root Problems	Abiotic disorder	0	1
	Anthracnose; Colletotrichum Leaf Spot	<i>Colletotrichum</i> sp./spp.	1	0
		Abiotic disorder	0	1
Monkey-flower C = 1 H = 0	Scorch	Abiotic disorder	1	0
Pansy C = 3 H = 0	Crown and Root Rot	<i>Phytophthora</i> sp./spp.	1	0
	Pythium Root and/or Crown Rot	<i>Pythium</i> sp./spp.	1	0
		<i>Pythium</i> sp./spp.	1	0
Parsley C = 2 H = 0		No Pathogen Found	2	0
Periwinkle C = 0 H = 1		<i>Phytophthora</i> sp./spp.	0	1
Petunias C = 1 H = 0	No Virus Found	No Virus Found	1	0
Phlox Moss (Pink Phlox) C = 1 H = 0	Crown and Stem Rot	<i>Fusarium</i> sp./spp.	1	0
Pitcher Plant; Sarracenia C = 1 H = 0	Pythium Root and/or Crown Rot	<i>Pythium</i> sp./spp.	1	0

Purslane (Rose Moss) C = 1 H = 0	Tomato Spotted Wilt	Tomato Spotted Wilt Virus (TSWV)	1	0
Rudbeckia C = 1 H = 0	Insufficient Sample	Identification Analysis	1	0
Salvia (Sage) C = 1 H = 3	Sclerotinia Stem Rot	<i>Sclerotinia</i> sp./spp.	1	0
	Environmental Stress; Problem	Abiotic disorder	0	2
	Undetermined Injury or Pest	Identification Analysis	0	1
Saw Palmetto C = 1 H = 0	Sooty Mold	<i>Meliola</i> sp./spp.	1	0
Sunflower C = 2 H = 0	Botrytis Blight	<i>Botrytis</i> sp./spp.	1	0
	Pythium Root and/or Crown Rot	<i>Pythium</i> sp./spp.	1	0
Sweet Basil C = 1 H = 0		No Pathogen Found	1	0
Sweet Flag (Myrtle Flag) C = 1 H = 0	Anthracnose; Colletotrichum Leaf Spot	<i>Colletotrichum</i> sp./spp.	1	0
Tickseed C = 0 H = 1	Southern Blight	<i>Sclerotium rolfsii</i>	0	1
Torenia C = 1 H = 0		No Pathogen Found	1	0
Tuberous Begonia C = 1 H = 0		No Pathogen Found	1	0
Unknown; No Site Specified C = 0 H = 1	Herbicide Injury; Exposure	Abiotic disorder	0	1
Verbena C = 1 H = 1	Rhizoctonia Blight	<i>Rhizoctonia solani</i>	0	1
	Impatiens Necrotic Spot	Impatiens Necrotic Spot Virus (INSV)	1	0

Violas (Violet; Pansy) C = 2 H = 0	Botrytis Blight	<i>Botrytis</i> sp./spp.	1	0
	Pythium Root and/or Crown Rot	<i>Pythium</i> sp./spp.	1	0

**MISCELLANEOUS**

(Total Diagnoses 13: C=7; H=6)

<b>HOST</b>	<b>DISEASE</b>	<b>CAUSAL ORGANISM</b>	<b>C</b>	<b>H</b>
Alfalfa C = 3 H = 0	Alfalfa Root Stem Crown Rot	<i>Thanatephorus (Rhizoctonia) cucumeris (solani)</i>	1	0
	Alfalfa Rust	<i>Uromyces striatus</i>	1	0
	Gray Leaf Spot	<i>Stemphylium botryosum</i>	1	0
Bamboo (True) C = 1 H = 0	Not Pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	1	0
Mouse-ear Cress C = 1 H = 0		No Pathogen Found	1	0
Mushroom C = 2 H = 3	Stinkhorn	<i>Clathrus sp./spp.</i>	0	1
	Bolete	<i>Boletus sp./spp.</i>	0	2
		<i>Cantharellus sp./spp.</i>	1	0
	Cinnabar Polypore	<i>Pycnoporus cinnabarinus</i>	1	0
Red Oak C = 1 H = 0		No Pathogen Found	0	1
Sweet Basil C = 0 H = 1	Mushroom	Unidentified Fungus	0	1
Unknown; No Site Specified C = 0 H = 1	Not Pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	0	1

## TREES

(Total Diagnoses 187: C=116; H=71)

HOST	DISEASE	CAUSAL ORGANISM	C	H
American Chestnut C = 1 H = 0	Pythium Root and/or Crown Rot	<i>Pythium</i> sp./spp.	1	0
American Sweetgum C = 0 H = 1	Not Pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	0	1
Arborvitae C = 4 H = 3	Mites	Order Acari	1	0
	Environmental Stress; Problem	Abiotic disorder	0	2
	Root Problems	Abiotic disorder	1	0
	Armillaria Root Rot	<i>Armillaria (Armillariella)</i> sp./spp.	0	1
	Needle Cast; Blight	<i>Passalora (Cercospora)</i> <i>sequoiae</i>	1	0
		No Pathogen Found	1	0
Arizona Cypress C = 3 H = 0	Root Girdling	Abiotic disorder	1	0
	Dieback; Canker; Twig Blight	<i>Botryosphaeria</i> sp./spp.	1	0
		No Pathogen Found	1	0
Arizona smooth-barked cypress C = 1 H = 0	Seiridium Canker	<i>Lepteutypa (Seiridium)</i> <i>cupressi (unicorne)</i>	1	0
Black Gum C = 1 H = 1	Tupelo Leafminer	<i>Antispila nysaefoliella</i>	0	1
	Dieback; Canker; Twig Blight	<i>Botryosphaeria</i> sp./spp.	1	0
Blue Atlas Cedar C = 1 H = 0		No Pathogen Found	1	0
Blue Spruce C = 0 H = 1	Sudden Needle Drop: Spruce Needle Drop	<i>Setomelanomma holmii</i>	0	1
Callery Pear C = 1 H = 0	Fire Blight	<i>Erwinia amylovora</i>	1	0
Carolina Sapphire Cypress C = 1 H = 0		No Pathogen Found	1	0

Cherry C = 0 H = 2	Wound Canker	Abiotic disorder	0	1
	Insect Damage	Unidentified Insect	0	1
Chestnut C = 2 H = 0	Rhizoctonia Root Rot	<i>Rhizoctonia sp./spp.</i>	1	0
	Crown and Root Rot	<i>Phytophthora sp./spp.</i>	1	0
Chinese Elm C = 0 H = 2	Cultural/Environmental Problem	Abiotic disorder	0	2
Citrus C = 1 H = 0	Citrus (Sour Orange) Scab	<i>Elsinoe (Sphaceloma) fawcettii</i>	1	0
Common Apple C = 4 H = 0	Fire Blight	<i>Erwinia amylovora</i>	2	0
	Powdery Mildew	<i>Oidium sp./spp.</i>	1	0
	Phomopsis Leaf Spot	<i>Phomopsis sp./spp.</i>	1	0
Crabapple C = 2 H = 0	Fire Blight	<i>Erwinia amylovora</i>	1	0
	Phomopsis Leaf Spot	<i>Phomopsis sp./spp.</i>	1	0
Crape Myrtle C = 0 H = 1	Wound Canker	Abiotic disorder	0	1
Cryptomeria C = 6 H = 2	Needle Dieback	<i>Phyllosticta sp./spp.</i>	1	0
	Rhizoctonia Root Rot	<i>Rhizoctonia sp./spp.</i>	1	0
	Branch and Twig Borers	Family Bostrichidae	1	0
	Cultural/Environmental Problem	Abiotic disorder	0	1
	Environmental Stress; Problem	Abiotic disorder	0	1
	Root Problems	Abiotic disorder	1	0
	Scale Insects	Order homoptera	1	0
Deodar Cedar C = 3 H = 2	Seiridium Canker	<i>Lepteutypa (Seiridium) cupressi (unicorne)</i>	1	0
	Environmental Stress; Problem	Abiotic disorder	1	1
		No Pathogen Found	2	0
Dogwood C = 1 H = 6	Normal Plant Growth	Identification Analysis	0	1
	Unknown	General	0	1
	Herbicide Injury; Exposure	Abiotic disorder	0	1
	Environmental Stress; Problem	Abiotic disorder	0	2
	Spot Anthracnose	<i>Elsinoe corni</i>	1	1
Eastern Hemlock C = 2 H = 0	Insect Damage	Unidentified Insect	0	1
		No Pathogen Found	1	0
	Rosellinia Blight	<i>Rosellinia herpotrichoides</i>	1	0

Eastern Red Cedar C = 3 H = 1	Pestalotia Dieback	<i>Pestalotia</i> sp./spp.	1	0
	Environmental Stress; Problem	Abiotic disorder	0	1
	Kabatina Tip Blight; Needle Blight	<i>Kabatina juniperi</i>	1	0
	Needle Cast; Blight	<i>Passalora (Cercospora) sequoiae</i>	1	0
Elm C = 0 H = 1	Wax Scale	<i>Ceroplastes</i> sp./spp.	0	1
Flowering Dogwood C = 2 H = 0	Powdery Mildew	<i>Oidium</i> sp./spp.	1	0
	Root Damage	Abiotic disorder	1	0
Franklinia C = 1 H = 0	Crown and Root Rot	<i>Phytophthora</i> sp./spp.	1	0
Hawthorn C = 0 H = 1	Cedar-Hawthorn Rust	<i>Gymnosporangium globosum</i>	0	1
Hemlock C = 1 H = 0	Rosellinia Blight	<i>Rosellinia herpotrichoides</i>	1	0
Italian Cypress C = 0 H = 1	Environmental Stress; Problem	Abiotic disorder	0	1
Japanese Cedar C = 4 H = 0	Environmental Stress; Problem	Abiotic disorder	1	0
	Root Problems	Abiotic disorder	1	0
		No Pathogen Found	2	0
Japanese Dogwood (Kousa) C = 2 H = 0	Granulate Ambrosia Beetle	<i>Xylosandrus crassiusculus</i>	1	0
	Orange Slime Flux	<i>Cryptococcus macerans</i>	1	0
Japanese Maple C = 1 H = 6	Canker	<i>Hypoxylon</i> sp./spp.	0	1
	Squirrel Damage	Abiotic disorder	1	0
	Environmental Stress; Problem	Abiotic disorder	0	2
	Wound Canker	Abiotic disorder	0	2
		<i>Phytophthora</i> sp./spp.	0	1
Japanese Persimmon C = 1 H = 0		No Pathogen Found	1	0
Juniper C = 0 H = 1	Rust	<i>Gymnosporangium</i> sp./spp.	0	1

Katsura Tree C = 2 H = 0		Environmental Stresses	1	0
		No Pathogen Found	1	0
Lemon C = 2 H = 0	Oedema; Edema	Abiotic disorder	1	0
		No Pathogen Found	1	0
Leyland Cypress C = 15 H = 17	Dieback; Canker	<i>Seiridium</i> sp./spp.	1	0
	Crown and Root Rot	<i>Phytophthora</i> sp./spp.	1	0
	Bagworm	<i>Thyridopteryx ephemeraeformis</i>	0	1
	Cultural/Environmental Problem	Abiotic disorder	0	5
	Environmental Stress; Problem	Abiotic disorder	0	10
	Root Problems	Abiotic disorder	4	0
	Dieback; Canker; Twig Blight	<i>Botryosphaeria</i> sp./spp.	1	0
	Needle Cast; Blight	<i>Passalora (Cercospora) sequoiae</i>	1	0
	Seiridium Canker	<i>Lepteutypa (Seiridium) cupressi (unicorne)</i>	4	0
	Root Rot	Unidentified Agent	0	1
Live Oak C = 7 H = 0		No Pathogen Found	3	0
	Oak Leaf Blister	<i>Taphrina caerulescens</i>	1	0
	Branch and Twig Borers	Family Bostrichidae	1	0
	Canker	Unidentified fungus	1	0
	Bacterial Leaf Scorch (BLS)	<i>Xylella fastidiosa</i> (BLS)	1	0
London Planetree C = 0 H = 1		No Pathogen Found	3	0
	Bacterial Pathogens	General	0	1
Longleaf Pine C = 5 H = 0				
	Rhizoctonia Stem and Root Rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Rhizoctonia Root and Stem Rot	<i>Thanatephorus (Rhizoctonia) cucumeris (solani)</i>	1	0
	Scale Insects	Order homoptera	1	0
	Rhizoctonia Foliar/ Aerial/ Web Blight	<i>Rhizoctonia solani</i>	1	0
Loquat C = 0 H = 1	Sooty Mold	Unidentified Fungus	1	0
	Environmental Stress; Problem	Abiotic disorder	0	1
Magnolia C = 0 H = 2				
	Insect Damage	Unidentified Insect	0	1
Maple C = 1		<i>Cladosporium</i> sp./spp.	0	1
	Maple Tar Spot	<i>Rhytisma acerinum</i>	1	0
	Wound Canker	Abiotic disorder	0	1



H = 1				
Northern Red Oak C = 1 H = 0		No Pathogen Found	1	0
Nuttall Oak C = 1 H = 0		Unknown cause	1	0
Oak C = 1 H = 4	Wood Rot Fungus	<i>Ganoderma sp./spp.</i>	0	1
	Cultural/Environmental Problem	Abiotic disorder	0	1
	Root Problems	Abiotic disorder	0	1
	Wood Rot Fungus	<i>Inonotus sp./spp.</i>	0	1
		No Pathogen Found	1	0
Oriental Arborvitae C = 4 H = 0	Mites	Order Acari	1	0
	Scale Insects	Order homoptera	1	0
		No Pathogen Found	2	0
Peach C = 0 H = 1	White Peach Scale	<i>Pseudaulacaspis pentagona</i>	0	1
Pear C = 1 H = 0	Fire Blight	<i>Erwinia amylovora</i>	1	0
Pecan C = 0 H = 1	Anthracnose	<i>Glomerella (Colletotrichum) cingulata (gloeosporioides)</i>	0	1
Pin Oak C = 1 H = 0	Bacterial Leaf Scorch (BLS)	<i>Xylella fastidiosa</i> (BLS)	1	0
Pine C = 0 H = 2	Unknown	General	0	1
	Not Pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	0	1
Red Maple C = 6 H = 3	Dieback; Canker	<i>Seiridium sp./spp.</i>	1	0
	Maple Leaf Spot	<i>Phyllosticta minima</i>	1	0
	Bacterial Leaf Spot	<i>Pseudomonas sp./spp.</i>	1	0
	Chemical Injury	Abiotic disorder	1	0
	Environmental Stress; Problem	Abiotic disorder	0	1
	Wound Canker	Abiotic disorder	0	1
	Dieback; Canker; Twig Blight	<i>Botryosphaeria sp./spp.</i>	1	0
		No Pathogen Found	1	0
Leaf Spot; Tar Spot	<i>Rhytisma sp./spp.</i>	1	1	

Red Oak C = 3 H = 0	Oak Leaf Blister	<i>Taphrina caerulescens</i>	1	0
	Bacterial Leaf Scorch (BLS)	<i>Xylella fastidiosa</i> (BLS)	2	0
Red Oaks C = 1 H = 1	Bacterial Leaf Scorch (BLS)	<i>Xylella fastidiosa</i> (BLS)	1	0
		<i>Poria</i> sp./spp.	0	1
Redbud C = 0 H = 1	Insect Damage	Unidentified Insect	0	1
Redwood C = 1 H = 0	Scale Insects	Order homoptera	1	0
River Birch C = 0 H = 1	Cultural/Environmental Problem	Abiotic disorder	0	1
Rose C = 1 H = 0	Crown Rot; Root Rot; Stem Rot	<i>Phytophthora</i> sp./spp.	1	0
Shumard Oak [texas; Spanish] C = 1 H = 0	Bacterial Leaf Scorch (BLS)	<i>Xylella fastidiosa</i> (BLS)	1	0
Southern Magnolia C = 5 H = 0	Oystershell Scale	<i>Lepidosaphes ulmi</i>	1	0
		No Pathogen Found	3	0
Star Magnolia C = 1 H = 0	Stem canker	<i>Botryosphaeria</i> sp.	1	0
	Tea Scale	<i>Fiorinia theae</i>	1	0
Sweet Bay; Bay Laurel C = 0 H = 1	Environmental Stress; Problem	Abiotic disorder	0	1
Tulip Tree C = 1 H = 1	Environmental Stress; Problem	Abiotic disorder	0	1
	Bacterial Wetwood; Slime Flux	Various Pathogens	1	0
Water Oak C = 3 H = 1	Oak Leaf Blister	<i>Taphrina caerulescens</i>	1	0
	Unknown	General	0	1
	Not Pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	1	0
	Chemical; Environmental Injury	Abiotic disorder	1	0
Willow Oak C = 3 H = 0	Scale Insects	Order homoptera	1	0
		No Pathogen Found	1	0
	Mold	<i>Sporidesmium</i> sp.	1	0



**TURF**

(Total Diagnoses 401: C=273; H=128)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Annual Ryegrass C = 1 H = 0	Melting Out (Turfgrass)	<i>Drechslera</i> sp./spp.	1	0
Bentgrass C = 26 H = 0	Cultural/Environmental Problem	Abiotic disorder	6	0
	Anthracnose	<i>Colletotrichum cereale</i>	6	0
	Plant Parasitic Nematodes	Unspecified Genera	1	0
	Pythium Root and/or Crown Rot	<i>Pythium</i> sp./spp.	9	0
	Root Rot	Various Fungi	1	0
		No Pathogen Found	3	0
Bermudagrass C = 4 H = 4	Melting Out (Turfgrass)	<i>Drechslera</i> sp./spp.	1	0
	Rhizoctonia Crown and Root Rot	<i>Thanatephorus (Rhizoctonia) cucumeris (solani)</i>	0	1
	Cultural/Environmental Problem	Abiotic disorder	1	1
	Environmental Stress; Problem	Abiotic disorder	0	2
	Large Patch	<i>Thanatephorus (Rhizoctonia) cucumeris (solani)</i>	1	0
	No Pathogen Found	1	0	
Bermudagrass C = 86 H = 23	Rhizoctonia Blight	<i>Rhizoctonia solani</i>	0	2
	Pink Patch	<i>Limonomyces roseipellis</i>	1	0
	Spring Dead Spot	<i>Ophiosphaerella</i> sp./spp.	5	4
	Melting Out (Turfgrass)	<i>Drechslera</i> sp./spp.	6	0
	Take-all	<i>Gaeumannomyces</i> sp./spp.	0	1
	Armyworms; General	Family Noctuidae	0	3
	Cultural/Environmental Problem	Abiotic disorder	14	6
	Environmental Stress; Problem	Abiotic disorder	0	7
	Plant Parasitic Nematodes	Unspecified Genera	3	0
	Pink Snow Mold; Fusarium Patch	<i>Monographella (Microdochium) nivalis (nivale)</i>	1	0
	Leaf Spot	<i>Bipolaris</i> sp./spp.	4	0
	Large Patch	<i>Thanatephorus (Rhizoctonia) cucumeris (solani)</i>	3	0
	Pythium Root and/or Crown Rot	<i>Pythium</i> sp./spp.	4	0
	Root Decline of Warm Season Grasses	<i>Gaeumannomyces graminis</i>	4	0
	Root Rot	Various Fungi	6	0
		<i>Bipolaris</i> sp./spp.	15	0
		<i>Fusarium</i> sp./spp.	2	0

		No Pathogen Found	9	0
		<i>Rhizoctonia solani</i>	2	0
		<i>Rhizoctonia sp./spp.</i>	6	0
		<i>Rhizoctonia zeae</i>	1	0
	Insect Damage	Unidentified Insect	0	1
Centipedegrass C = 51 H = 50	Rhizoctonia Blight	<i>Rhizoctonia solani</i>	0	10
	Melting Out (Turfgrass)	<i>Drechslera sp./spp.</i>	1	0
	Fairy Ring	Various fungi	2	0
	Unknown	General	0	1
	Fusarium Crown Rot	<i>Fusarium sp./spp.</i>	1	0
	Take-all	<i>Gaeumannomyces sp./spp.</i>	0	1
	Cultural/Environmental Problem	Abiotic disorder	8	6
	Winter Injury	Abiotic disorder	3	0
	Environmental Stress; Problem	Abiotic disorder	1	32
	Decline; Dieback	Abiotic disorder	1	0
	Large Patch	<i>Thanatephorus (Rhizoctonia) cucumeris (solani)</i>	9	0
	Pythium Root and/or Crown Rot	<i>Pythium sp./spp.</i>	1	0
	Root Decline of Warm Season Grasses	<i>Gaeumannomyces graminis</i>	7	0
	Insects	Class insecta	1	0
	Root Rot	Various Fungi	1	0
	Insect Damage	Unidentified Insect	1	0
	Insufficient Sample	Identification Analysis	1	0
		<i>Drechslera sp./spp.</i>	1	0
		No Pathogen Found	1	0
		<i>Pythium sp./spp.</i>	2	0
		<i>Rhizoctonia solani</i>	4	0
	<i>Rhizoctonia sp./spp.</i>	5	0	
Common Wheat C = 3 H = 0	Powdery Mildew	<i>Erysiphe sp./spp.</i>	1	0
	Freeze; Frost; Cold Damage	Abiotic disorder	1	0
		No Pathogen Found	1	0
Fescues C = 0 H = 8	Rhizoctonia Blight	<i>Rhizoctonia solani</i>	0	2
	Cultural/Environmental Problem	Abiotic disorder	0	1
	Environmental Stress; Problem	Abiotic disorder	0	5
Rye C = 2 H = 0	Root Decline of Warm Season Grasses	<i>Gaeumannomyces graminis</i>	1	0
		<i>Drechslera sp./spp.</i>	1	0
Seashore Paspalum C = 2 H = 0		No Pathogen Found	1	0
		Viruses	1	0

St. Augustinegrass C = 55 H = 17	Rhizoctonia Blight	<i>Rhizoctonia solani</i>	0	1
	Fairy Ring	Various fungi	3	0
	Take-all	<i>Gaeumannomyces</i> sp./spp.	0	7
	Gray Leaf Spot	<i>Magnaporthe</i> (ana. <i>Pyricularia</i> ) <i>grisea</i>	7	0
	Cultural/Environmental Problem	Abiotic disorder	2	3
	Environmental Stress; Problem	Abiotic disorder	0	6
	Large Patch	<i>Thanatephorus</i> ( <i>Rhizoctonia</i> ) <i>cucumeris</i> ( <i>solani</i> )	10	0
	Root Decline of Warm Season Grasses	<i>Gaeumannomyces graminis</i>	19	0
	Insects	Class insecta	1	0
	Root Rot	Various Fungi	1	0
	Insect Damage	Unidentified Insect	1	0
		<i>Rhizoctonia solani</i>	6	0
		<i>Rhizoctonia</i> sp./spp.	5	0
	Tall Fescue C = 5 H = 0	Cultural/Environmental Problem	Abiotic disorder	2
Pythium Root and/or Crown Rot		<i>Pythium</i> sp./spp.	2	0
		<i>Fusarium</i> sp./spp.	1	0
Turfgrass C = 0 H = 1	Algae	General	0	1
Zoysia (Japanese Lawngress) C = 0 H = 4	Cultural/Environmental Problem	Abiotic disorder	0	1
	Environmental Stress; Problem	Abiotic disorder	0	2
		Abiotic disorder	0	1
Zoysia Grass C = 38 H = 20	Rhizoctonia Blight	<i>Rhizoctonia solani</i>	0	6
	Melting Out (Turfgrass)	<i>Drechslera</i> sp./spp.	1	0
	Fairy Ring	Various fungi	1	0
	Take-all	<i>Gaeumannomyces</i> sp./spp.	0	1
	Armyworms; General	Family Noctuidae	0	1
	Cultural/Environmental Problem	Abiotic disorder	10	0
	Environmental Stress; Problem	Abiotic disorder	1	12
	Large Patch	<i>Thanatephorus</i> ( <i>Rhizoctonia</i> ) <i>cucumeris</i> ( <i>solani</i> )	5	0
	Root Decline of Warm Season Grasses	<i>Gaeumannomyces graminis</i>	2	0
	Root Rot	Various Fungi	1	0
		<i>Bipolaris</i> sp./spp.	1	0
		No Pathogen Found	5	0
		<i>Ramularia</i> sp./spp.	1	0

		<i>Rhizoctonia solani</i>	4	0
		<i>Rhizoctonia</i> sp./spp.	6	0

**VEGETABLES**

(Total Diagnoses 479: C=423; H=56)

HOST	DISEASE	CAUSAL ORGANISM	C	H	
Allium; Onions; Leeks; Garlic C = 1 H = 0		No Pathogen Found	1	0	
Arugula C = 1 H = 0		No Pathogen Found	1	0	
Bean C = 12 H = 1	Bean Anthracnose	<i>Colletotrichum lindemuthianum</i>	0	1	
	Not Pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	1	0	
	Viruses	Viruses	1	0	
	Bacterial Leaf Spot	Unidentified Bacteria	2	0	
	Pythium Blight; Cottony Blight	<i>Pythium</i> sp./spp.	1	0	
	Pythium Damping Off	<i>Pythium</i> sp./spp.	1	0	
		No Pathogen Found	3	0	
		<i>Pseudomonas</i> sp./spp.	1	0	
		<i>Pythium</i> sp./spp.	1	0	
		Bacterial Blight	Unidentified Bacteria	1	0
Bell Pepper C = 14 H = 0	Phytophthora Stem Rot	<i>Phytophthora</i> sp./spp.	2	0	
	Bacterial Leaf Spot	<i>Pseudomonas</i> sp./spp.	1	0	
	Bacterial Leaf Spot	<i>Xanthomonas</i> sp./spp.	1	0	
	Tomato Spotted Wilt	Tomato Spotted Wilt Virus (TSWV)	3	0	
	Sclerotinia Rot	<i>Sclerotinia sclerotiorum</i>	1	0	
		Abiotic disorder	1	0	
		No Pathogen Found	1	0	
		<i>Pseudomonas</i> sp./spp.	2	0	
		Bacterial Leaf Spot	<i>Xanthomonas campestris</i>	1	0
		Phytophthora Root; Crown Rot	<i>Phytophthora cinnamomi</i>	1	0
Butternut Squash C = 1 H = 0		Abiotic disorder	1	0	
Cabbage C = 37 H = 0	Downy Mildew	<i>Peronospora</i> sp./spp.	3	0	
	Unknown	General	4	0	
	Black Rot	<i>Xanthomonas campestris</i>	4	0	
	Crucifer Bacterial Black Rot	<i>Xanthomonas campestris</i>	1	0	
	Radish Bacterial Black Rot	<i>Xanthomonas campestris</i>	1	0	
	Bacterial Leaf Spot	<i>Xanthomonas</i> sp./spp.	1	0	



	Bacterial Leaf Spot	<i>Xanthomonas campestris</i>	1	0
	Chemical; Environmental Injury	Abiotic disorder	1	0
	Sclerotinia Rot	<i>Sclerotinia sclerotiorum</i>	2	0
	Root Rot	Unidentified Agent	0	1
		No Pathogen Found	5	0
		<i>Pseudomonas sp./spp.</i>	2	0
		<i>Pythium sp./spp.</i>	1	0
		<i>Xanthomonas campestris</i>	5	0
	No Pathogen Found	Identification Analysis	2	0
	Bacterial Leaf Spot	<i>Xanthomonas campestris</i>	3	0
Cantaloupe; Cantaloupe C = 11 H = 0	Gummy Stem Blight	<i>Didymella sp./spp.</i>	2	0
	Powdery Mildew	<i>Sphaerotheca sp./spp.</i>	1	0
	Phytophthora Fruit Rot	<i>Phytophthora sp./spp.</i>	1	0
	Phytophthora Fruit Rot	<i>Phytophthora capsici</i>	1	0
	Anthracnose; Colletotrichum Leaf Spot	<i>Colletotrichum sp./spp.</i>	1	0
	Rhizoctonia Leaf Spot and/or Leaf Blight	<i>Rhizoctonia sp./spp.</i>	1	0
		Abiotic disorder	1	0
		<i>Alternaria sp./spp.</i>	1	0
		No Pathogen Found	2	0
Carrot C = 2 H = 0	Fusarium Root; Crown Rot	<i>Fusarium sp./spp.</i>	1	0
		Abiotic disorder	1	0
Collards C = 4 H = 0	Unknown	General	1	0
	Black Rot	<i>Xanthomonas campestris</i>	1	0
	Cercospora Leaf Spot	<i>Cercospora sp./spp.</i>	1	0
	No Pathogen Found	Identification Analysis	1	0
Cucumber C = 14 H = 0	Anthracnose	<i>Colletotrichum orbiculare</i>	1	0
	Anthracnose	<i>Glomerella sp./spp.</i>	1	0
	Downy Mildew	<i>Peronospora sp./spp.</i>	1	0
	Cucurbit Downy Mildew	<i>Pseudoperonospora cubensis</i>	1	0
	Unknown	General	2	0
	Phytophthora Fruit Rot	<i>Phytophthora capsici</i>	1	0
	Corynespora Leaf Spot	<i>Corynespora sp./spp.</i>	2	0
	Anthracnose; Colletotrichum Leaf Spot	<i>Colletotrichum sp./spp.</i>	1	0
	Potyvirus Group	Potyvirus Group	2	0
		No Pathogen Found	2	0
Eggplant C = 8 H = 0	Seedling Blight	<i>Acidovorax avena</i>	1	0
	Bacterial Wilt	<i>Ralstonia solanacearum</i>	1	0
	Pythium Root and/or Crown Rot	<i>Pythium sp./spp.</i>	1	0

		No Pathogen Found	4	0
		Unknown Bacterial Disease	1	0
Indian Mustard C = 2 H = 0		No Pathogen Found	2	0
Kale C = 3 H = 0	Bacterial Blight	<i>Xanthomonas campestris</i>	1	0
	Crucifer Bacterial Black Rot	<i>Xanthomonas campestris</i>	2	0
Lettuce C = 14 H = 0	Powdery Mildew	<i>Oidium</i> sp./spp.	1	0
	Bacterial Leaf Spot	<i>Pseudomonas</i> sp./spp.	1	0
	Nutritional Pathology	Abiotic disorder	1	0
	Bacterial Leaf Blight	<i>Pseudomonas</i> sp./spp.	1	0
	Sclerotinia Rot	<i>Sclerotinia sclerotiorum</i>	1	0
	Freeze; Frost; Cold Damage	Abiotic disorder	1	0
	Pythium Root and/or Crown Rot	<i>Pythium</i> sp./spp.	2	0
	Pythium Damping Off	<i>Pythium</i> sp./spp.	1	0
		No Pathogen Found	3	0
		<i>Pseudomonas</i> sp./spp.	1	0
		<i>Pythium</i> sp./spp.	1	0
Mustard Family C = 1 H = 0		<i>Pseudomonas</i> sp./spp.	1	0
Okra C = 0 H = 2	Wet Rot; Fruit Rot	<i>Choanephora cucurbitarum</i>	0	2
Onion C = 6 H = 0	Bacterial Leaf Spot	<i>Pseudomonas</i> sp./spp.	1	0
		<i>Botrytis</i> sp./spp.	1	0
		No Pathogen Found	3	0
		Unknown cause	1	0
Pepper C = 7 H = 6	Anthracnose Fruit Rot	<i>Colletotrichum gloeosporioides</i>	0	5
	Tomato Spotted Wilt	Tomato Spotted Wilt Virus (TSWV)	3	0
	Sunscald	Abiotic disorder	0	1
	Anthracnose; Colletotrichum Leaf Spot	<i>Colletotrichum</i> sp./spp.	1	0
		No Pathogen Found	2	0
		Unknown cause	1	0
Potato C = 1 H = 2	Ozone Damage	Abiotic disorder	1	0
	Cultural/Environmental Problem	Abiotic disorder	0	1
	Environmental Stress; Problem	Abiotic disorder	0	1

Snap Bean; Green Bean C = 3 H = 0	Pythium Root and/or Crown Rot	<i>Pythium</i> sp./spp.	1	0
	Pythium Damping Off	<i>Pythium</i> sp./spp.	1	0
		No Pathogen Found	1	0
Southern peas; Cowpeas Blackeye Peas C = 2 H = 1	Ashy Stem Blight	<i>Macrophomina phaseolina</i>	1	0
	Insect Damage	Unidentified Insect	0	1
		No Pathogen Found	1	0
Squash C = 9 H = 4	Gummy Stem Blight	<i>Didymella</i> sp./spp.	1	0
	Fusarium Wilt Complex	<i>Fusarium</i> sp./spp.	1	0
	Not Pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	0	1
	Cucumber Mosaic	Cucumber Mosaic Virus (CMV)	1	0
	Chemical Injury	Abiotic disorder	1	0
	Genetic Disorders	Abiotic disorder	1	0
	Unknown Abiotic Disorder	Abiotic disorder	0	2
	Phytophthora Blight; Root Rot	<i>Phytophthora capsici</i>	1	0
	Potyvirus Group	Potyvirus Group	1	0
	Insect Damage	Unidentified Insect	0	1
		Unidentified Bacteria	1	0
Sugar Beet C = 2 H = 0	Cercospora Leaf Spot	<i>Cercospora</i> sp./spp.	1	0
		No Pathogen Found	1	0
Sweet Basil C = 1 H = 1	Downy Mildew	<i>Peronospora belbahrii</i>	0	1
		No Pathogen Found	1	0
Sweet Corn C = 5 H = 0	Southern Leaf Blight	<i>Cochliobolus</i> (ana. <i>Bipolaris</i> ) <i>heterostrophus</i> ( <i>maydis</i> )	4	0
		Unknown cause	1	0
Sweetpotato C = 0 H = 1	Environmental Stress; Problem	Abiotic disorder	0	1
Tomatillo; Tree Tomato C = 2 H = 0		<i>Cercospora</i> sp./spp.	1	0
		No Pathogen Found	1	0
Tomato C = 69 H = 36	Anthracoese Fruit Rot	<i>Colletotrichum</i> sp./spp.	1	0
	Late Blight	<i>Phytophthora infestans</i>	0	1
	Fusarium Wilt	<i>Fusarium oxysporum</i>	2	0
	Pith Necrosis	<i>Pseudomonas corrugata</i>	1	0
	Unknown	General		0
	Southern Stem Rot	<i>Sclerotium rolfsii</i>	2	0

	Not Pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	0	1
	Alternaria Leaf Spot	<i>Alternaria</i> sp./spp.	0	1
	Cercospora Leaf Spot	<i>Cercospora</i> sp./spp.	1	0
	Corynespora Leaf Spot	<i>Corynespora</i> sp./spp.	1	0
	Stemphylium Leaf Spot	<i>Stemphylium</i> sp./spp.	1	0
	Bacterial Leaf Spot	<i>Xanthomonas</i> sp./spp.	3	0
	Bacterial Leaf Spot	<i>Xanthomonas campestris</i>	2	0
	Tomato Spotted Wilt	Tomato Spotted Wilt Virus (TSWV)	9	1
	Tomato Yellow Leaf Curl	Tomato Yellow Leaf Curl Virus (TYLCV)	1	0
	Chemical Injury	Abiotic disorder	4	6
	Herbicide Injury; Exposure	Abiotic disorder	1	6
	Herbicide Drift	Abiotic disorder	0	1
	Cultural/Environmental Problem	Abiotic disorder	0	5
	Environmental Stress; Problem	Abiotic disorder	0	2
	Physiological Responses	Abiotic disorder	1	0
	Root Problems	Abiotic disorder	0	1
	Septoria Leaf Blight	<i>Septoria lycopersici</i>	0	1
	Bacterial Wilt	<i>Ralstonia solanacearum</i>	3	0
	Early Blight; Leaf Spot	<i>Alternaria solani</i>	1	3
	Pythium Root and/or Crown Rot	<i>Pythium</i> sp./spp.	2	0
	Yellow Shoulder; Water Imbalance	Abiotic disorder	0	1
	Bacterial Leaf Spot	<i>Xanthomonas campestris</i>	3	0
	Additional Sample Requested	Identification Analysis	1	0
	Undetermined Injury or Pest	Identification Analysis	0	2
		Abiotic disorder	1	0
		<i>Cladosporium</i> sp./spp.	1	0
		No Pathogen Found	16	0
		Unknown Agent	1	0
		Unknown cause	2	0
		<i>Xanthomonas</i> sp./spp.	1	0
	Normal Plant Growth	Identification Analysis	0	1
	Bacterial Leaf Spot	<i>Xanthomonas campestris</i>	3	0
	Southern Blight	<i>Sclerotium rolfsii</i>	0	1
	Tomato Chlorosis	Tomato Chlorosis Virus (TOCV)	2	0
	Tomato Bacterial Spot	<i>Xanthomonas perforans</i>	1	0
Turnip C = 4 H = 0	Bacterial Leaf Spot	<i>Pseudomonas</i> sp./spp.	1	0
	Pythium Pod and Stem Blight	<i>Pythium</i> sp./spp.	1	0
		No Pathogen Found	1	0

		<i>Pseudomonas</i> sp./spp.	1	0
Watermelon C = 172 H = 0	Anthraco nose	<i>Colletotrichum orbiculare</i>	6	0
	Gummy Stem Blight	<i>Didymella</i> sp./spp.	3	0
	Cucurbit Downy Mildew	<i>Pseudoperonospora cubensis</i>	7	0
	Powdery Mildew	<i>Podosphaera</i> sp./spp.	7	0
	Powdery Mildew	<i>Sphaerotheca</i> sp./spp.	3	0
	Fusarium Wilt Complex	<i>Fusarium</i> sp./spp.	1	0
	Fusarium Wilt	<i>Fusarium oxysporum</i>	16	0
	Black Root Rot	<i>Thielaviopsis (Chalara) basicola (elegans)</i>	1	0
	Charcoal Rot	<i>Macrophomina</i> sp./spp.	1	0
	Phytophthora Fruit Rot	<i>Phytophthora capsici</i>	2	0
	Pythium Fruit Rot;Cottony Leak	<i>Pythium</i> sp./spp.	2	0
	Cucurbit Angular Leaf Spot	<i>Pseudomonas syringae</i>	6	0
	Bacterial Leaf Spot	<i>Pseudomonas</i> sp./spp.	2	0
	Bacterial Leaf Spot	<i>Pseudomonas syringae</i>	1	0
	Physiological Responses	Abiotic disorder	2	0
	Unknown Abiotic Disorder	Abiotic disorder	1	0
	Watermelon Fusarium Wilt	<i>Fusarium oxysporum</i>	2	0
	Alternaria Leaf Blight and Spot	<i>Alternaria cucumerina</i>	1	0
	Potyvirus Group	Potyvirus Group	2	0
	Gummy Stem Blight	<i>Didymella (ana. Phoma) bryonae (cucurbitacearum)</i>	21	0
	Pythium Root and/or Crown Rot	<i>Pythium</i> sp./spp.	1	0
	Pythium Damping Off	<i>Pythium</i> sp./spp.	1	0
	Wire Stem; Belly Rot	<i>Thanatephorus (Rhizoctonia) cucumeris (solani)</i>	1	0
	Insect Damage	Unidentified Insect	1	0
	Spider Mite Injury	Unidentified Spider Mite	1	0
	Insufficient Sample	Identification Analysis	2	0
		Abiotic disorder	3	0
		No Pathogen Found	27	0
		<i>Pseudomonas</i> sp./spp.	4	0
		<i>Pythium</i> sp./spp.	2	0
	Unknown cause	2	0	
	No Pathogen Found	6	0	
	Bacterial Fruit Blotch	<i>Acidovorax avenae</i>	34	0
Yellow Squash C = 8 H = 0	Phytophthora Fruit Rot	<i>Phytophthora capsici</i>	1	0
	Phytophthora Stem Rot	<i>Phytophthora</i> sp./spp.	2	0
	Viruses	Viruses	1	0
		No Pathogen Found	1	0
		<i>Pseudomonas</i> sp./spp.	3	0

Zucchini Squash C = 8 H = 1	Phytophthora Fruit Rot	<i>Phytophthora capsici</i>	1	0
	Cucumber Mosaic	Cucumber Mosaic Virus (CMV)	2	0
	Unknown Abiotic Disorder	Abiotic disorder	1	0
	Bacterial Leaf Spot	Unidentified Bacteria	1	0
	Potyvirus Group	Potyvirus Group	1	0
	Phytophthora Root/ Stem/ Crown Rot	<i>Phytophthora capsici</i>	1	0
		No Pathogen Found	1	0
		Unidentified Virus	0	1

**WOODY ORNAMENTALS**  
(Total Diagnoses 257: C=159; H=98)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Abelia C = 0 H = 2	Powdery Mildew	<i>Oidium</i> sp./spp.	0	1
	Root Problems	Abiotic disorder	0	1
Anise Tree C = 1 H = 0		<i>Colletotrichum</i> sp./spp.	1	0
Arborvitae C = 1 H = 5	Cultural/Environmental Problem	Abiotic disorder	0	1
	Environmental Stress; Problem	Abiotic disorder	0	4
	Root Rot	Unidentified Agent	1	0
Azalea; Rhododendron C = 9 H = 3	Rhizoctonia Stem and Root Rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Azalea Lace Bug	<i>Stephanitis pyrioides</i>	0	1
	Root Girdling	Abiotic disorder	1	0
	Cultural/Environmental Problem	Abiotic disorder	0	1
	Pythium Root and/or Crown Rot	<i>Pythium</i> sp./spp.	1	0
		Abiotic disorder	1	0
		<i>Exobasidium azaleae</i>	0	1
		No Pathogen Found	5	0
Boxwood C = 27 H = 15	Black Root Rot	<i>Thielaviopsis (Chalara) basicola (elegans)</i>	1	0
	Crown and Root Rot	<i>Phytophthora</i> sp./spp.	7	0
	Mites	Order Acari	1	0
	Spider Mites	Family Tetranychidae	1	0
	Algae	General	0	1
	Cultural/Environmental Problem	Abiotic disorder	0	3
	Planting Too Deep	Abiotic disorder	1	0
	Environmental Stress; Problem	Abiotic disorder	0	5
	Root Problems	Abiotic disorder	3	6
	Boxwood Macrophoma Leaf Spot	<i>Dothiorella (Macrophoma) sempervirens (candollei)</i>	4	0
	Boxwood Volutella Blight; Canker	<i>Volutella buxi</i>	8	0
	Insect Damage	Unidentified Insect	0	1
Burford Holly C = 1 H = 0		No Pathogen Found	1	0
Camellia C = 2 H = 4	Anthracnose	<i>Glomerella (Colletotrichum) cingulata (gloeosporioides)</i>	1	0
	Environmental Stress; Problem	Abiotic disorder	0	3
	Root Problems	Abiotic disorder	0	1

		No Pathogen Found	1	0
Cherry-laurel C = 2 H = 1	Fire Blight	<i>Erwinia amylovora</i>	1	0
	Environmental Stress; Problem	Abiotic disorder	0	1
		<i>Pythium sp./spp.</i>	1	0
Chinese Fringe Flower C = 1 H = 0	Bacterial Gall	<i>Pseudomonas syringae</i>	1	0
Chinese Holly C = 2 H = 0	Environmental Stress; Problem	Abiotic disorder	1	0
		No Pathogen Found	1	0
Citrus C = 0 H = 1	Citrus Whitefly (Cwf)	<i>Dialeurodes citri</i>	0	1
Common Boxwood C = 7 H = 0	Root Problems	Abiotic disorder	1	0
	Boxwood Macrophoma Leaf Spot	<i>Dothiorella (Macrophoma) sempervirens (candollei)</i>	2	0
	Boxwood Volutella Blight; Canker	<i>Volutella buxi</i>	3	0
		No Pathogen Found	1	0
Common Buckwheat C = 2 H = 0	Boxwood Macrophoma Leaf Spot	<i>Dothiorella (Macrophoma) sempervirens (candollei)</i>	1	0
	Boxwood Volutella Blight; Canker	<i>Volutella buxi</i>	1	0
Common Camellia C = 2 H = 0	Tea Scale	<i>Fiorinia theae</i>	1	0
	Freeze; Frost; Cold Damage	Abiotic disorder	1	0
Crape Myrtle C = 0 H = 2	Chemical Injury	Abiotic disorder	0	1
	Wound Canker	Abiotic disorder	0	1
Cryptomeria C = 0 H = 2	Environmental Stress; Problem	Abiotic disorder	0	2
Dogwood C = 0 H = 1	Wound Canker	Abiotic disorder	0	1
Edging Boxwood C = 15 H = 0	Black Twig Borer	<i>Xylosandrus compactus</i>	1	0
	Environmental Stress; Problem	Abiotic disorder	3	0
	Boxwood Macrophoma Leaf Spot	<i>Dothiorella (Macrophoma) sempervirens (candollei)</i>	2	0
	Rhizoctonia Foliar/ Aerial/ Web Blight	<i>Rhizoctonia solani</i>	1	0
	Boxwood Volutella Blight; Canker	<i>Volutella buxi</i>	6	0



	Boxwood Blight; Leaf and Stem Blight	<i>Calonectria</i> (ana. <i>Cylindrocladium</i> ) <i>pseudonaviculata</i> ( <i>pseudonaviculatum</i> )	1	0
	Crown Rot; Root Rot; Stem Rot	<i>Phytophthora</i> sp./spp.	1	0
Euonymus C = 0 H = 1	Environmental Stress; Problem	Abiotic disorder	0	1
Falsecypress C = 0 H = 1	Environmental Stress; Problem	Abiotic disorder	0	1
Firethorn C = 2 H = 0	Wound Canker	Abiotic disorder	1	0
	Scale Insects	Order homoptera	1	0
Florida Anisetree C = 2 H = 1	Root Problems	Abiotic disorder	0	1
		No Pathogen Found	1	0
	Insufficient Sample	Identification Analysis	1	0
Flowering Dogwood C = 1 H = 0	Spot Anthracnose	<i>Elsinoe corni</i>	1	0
Gardenia C = 3 H = 2	Crown and Root Rot	<i>Phytophthora</i> sp./spp.	1	0
	Rhizoctonia Root; Crown Rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Environmental Stress; Problem	Abiotic disorder	0	1
	Root Problems	Abiotic disorder	0	1
	Crown Rot; Root Rot; Stem Rot	<i>Phytophthora</i> sp./spp.	1	0
Glossy Abelia C = 1 H = 0	Crown and Root Rot	<i>Phytophthora</i> sp./spp.	1	0
Heavenly Bamboo C = 1 H = 0	Anthracnose; Colletotrichum Leaf Spot	<i>Colletotrichum</i> sp./spp.	1	0
Hibiscus C = 1 H = 1	Bacterial Leaf Spot	<i>Pseudomonas</i> sp./spp.	1	0
		<i>Phytophthora</i> sp./spp.	0	1
Holly C = 0 H = 9	Environmental Stress; Problem	Abiotic disorder	0	4
	Root Problems	Abiotic disorder	0	2
	Sooty Mold	Unidentified Fungus	0	1
	Insect Damage	Unidentified Insect	0	2
Honeysuckle C = 1 H = 0	Sooty Mold	<i>Cladosporium</i> sp./spp.	1	0

Hydrangea C = 2 H = 5	Unknown	General	0	1
	Cercospora Leaf Spot	<i>Cercospora</i> sp./spp.	0	3
	Environmental Stress; Problem	Abiotic disorder	0	1
		No Pathogen Found	2	0
Indian Hawthorn C = 4 H = 0	Freeze; Frost; Cold Damage	Abiotic disorder	1	0
		Abiotic disorder	1	0
		No Pathogen Found	2	0
Itea; Sweetspire C = 2 H = 0	Crown and Root Rot	<i>Phytophthora</i> sp./spp.	1	0
	Anthracnose; Colletotrichum Leaf Spot	<i>Colletotrichum</i> sp./spp.	1	0
Japanese Aucuba C = 0 H = 1	Root Problems	Abiotic disorder	0	1
Japanese Boxwood C = 1 H = 0	Crown and Root Rot	<i>Phytophthora</i> sp./spp.	1	0
Japanese Cleyera C = 3 H = 2	Cercospora Leaf Spot	<i>Cercospora</i> sp./spp.	1	0
	Environmental Stress; Problem	Abiotic disorder	0	2
	Freeze; Frost; Cold Damage	Abiotic disorder	1	0
		No Pathogen Found	1	0
Japanese Holly C = 2 H = 0	Root Problems	Abiotic disorder	1	0
		Secondary Agents; Saprophytes; Unspecif.	1	0
Japanese Maple C = 0 H = 2	Environmental Stress; Problem	Abiotic disorder	0	1
	Root Problems	Abiotic disorder	0	1
Japanese Privet C = 3 H = 0	Leaf Spot	<i>Pseudocercospora ligustri</i>	1	0
		Abiotic disorder	1	0
		No Pathogen Found	1	0
Juniper C = 2 H = 4	Crown and Root Rot	<i>Phytophthora</i> sp./spp.	1	0
	Cultural/Environmental Problem	Abiotic disorder	0	1
	Root Problems	Abiotic disorder	0	2
	Unknown Abiotic Disorder	Abiotic disorder	0	1
		<i>Phytophthora</i> sp./spp.	1	0
Late Cotoneaster C = 1 H = 0		No Pathogen Found	1	0
Leyland Cypress C = 1	Environmental Stress; Problem	Abiotic disorder	1	0

H = 0				
Ligustrum; Privet C = 2 H = 1	Phytophthora Stem Rot	<i>Phytophthora</i> sp./spp.	1	0
	Root Problems	Abiotic disorder	1	0
	Insect Damage	Unidentified Insect	0	1
Loropetalum C = 4 H = 2	Bacterial Gall	<i>Pseudomonas syringae</i>	4	0
	Chemical Injury	Abiotic disorder	0	1
	Cultural/Environmental Problem	Abiotic disorder	0	1
Magnolia C = 0 H = 2	Environmental Stress; Problem	Abiotic disorder	0	2
Myrtle-leaved Distylium C = 3 H = 0	Crown and Root Rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Phytophthora</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Native Rhododendron C = 1 H = 0	Yellow Leaf Spot	<i>Exobasidium</i> sp./spp.	1	0
Nellie R. Stevens Holly C = 2 H = 0	Tea Scale	<i>Fiorinia theae</i>	1	0
		No Pathogen Found	1	0
Oakleaf Hydrangea C = 5 H = 1	Crown and Root Rot	<i>Phytophthora</i> sp./spp.	1	0
	Rhizoctonia Root; Crown Rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Bacterial Leaf Spot	<i>Xanthomonas</i> sp./spp.	0	1
	Planting Too Deep	Abiotic disorder	1	0
	Bacterial Leaf Spot	<i>Xanthomonas campestris</i>	1	0
	Crown Rot; Root Rot; Stem Rot	<i>Phytophthora</i> sp./spp.	1	0
Osmanthus C = 0 H = 1	Cultural/Environmental Problem	Abiotic disorder	0	1
Panicle Hydrangea C = 1 H = 0	Phytoplasma Disease	<i>Phytoplasma</i> sp./spp.	1	0
Panicle Hydrangea C = 1 H = 0		Secondary Agents; Saprophytes; Unspecif.	1	0
Photinia C = 0 H = 3	Entomosporium Leaf Spot	<i>Entomosporium</i> sp./spp.	0	1
	Chemical Injury	Abiotic disorder	0	2
Pieris	Rhizoctonia Root; Crown Rot	<i>Rhizoctonia</i> sp./spp.	1	0

C = 2 H = 0	Crown Rot; Root Rot; Stem Rot	<i>Phytophthora</i> sp./spp.	1	0
Pittosporum C = 0 H = 2	Environmental Stress; Problem	Abiotic disorder	0	2
Pondberry C = 2 H = 0	Dieback; Canker; Twig Blight	<i>Botryosphaeria</i> sp./spp.	1	0
	Phytophthora Root; Crown Rot	<i>Phytophthora cinnamomi</i>	1	0
Port Orford Cedar C = 0 H = 1	Environmental Stress; Problem	Abiotic disorder	0	1
Rose C = 17 H = 16	Unknown	General	0	1
	Black Spot (Rose)	<i>Diplocarpon (Marssonina) rosae</i>	0	2
	Cercospora Leaf Spot	<i>Cercospora</i> sp./spp.	0	1
	Chemical Injury	Abiotic disorder	0	3
	Herbicide Drift	Abiotic disorder	0	1
	Root Girdling	Abiotic disorder	1	0
	Nutrient Imbalance	Abiotic disorder	0	1
	Root Problems	Abiotic disorder	0	1
	Unknown Abiotic Disorder	Abiotic disorder	0	1
	Rose Mosaic	Prunus Necrotic Ringspot Virus (PNRSV)	0	1
	Armillaria Root Rot	<i>Armillaria (Armillariella) sp./spp.</i>	0	1
	Macrophoma Blight; Dieback	<i>Macrophoma</i> sp./spp.	1	0
	Phomopsis Dieback; Tip Blight; Canker	<i>Phomopsis</i> sp./spp.	1	0
	Rose Rosette Disease	Rose rosette-associated virus (RRaV)	6	1
	No Virus Found	No Virus Found	1	0
	Undetermined Injury or Pest	Identification Analysis	0	1
		Abiotic disorder	1	0
		No Pathogen Found	2	0
		Unknown cause	0	1
		Anthracnose; Twig Dieback	<i>Colletotrichum</i> sp./spp.	1
	Phytophthora Root; Crown Rot	<i>Phytophthora cinnamomi</i>	1	0
	Crown Rot; Root Rot; Stem Rot	<i>Phytophthora</i> sp./spp.	2	0
Sandankwa Viburnum C = 1 H = 0	Viburnum Downy Mildew	<i>Plasmopara viburni</i>	1	0

Sawara Falsecypress C = 1 H = 0	Crown and Root Rot	<i>Phytophthora</i> sp./spp.	1	0
Southern Bayberry; Wax Myrtle C = 6 H = 0	Rhizoctonia Root; Crown Rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Eriophyid Mites	Family Eriophyidae	1	0
		No Pathogen Found	2	0
	Crown Rot; Root Rot; Stem Rot	<i>Phytophthora</i> sp./spp.	1	0
Sweet (Tea) Olive C = 0 H = 1	Insect Damage	Unidentified Insect	1	0
			0	1
Unknown; No Site Specified C = 1 H = 0	Insect Damage	Unidentified Insect	0	1
Watermelon C = 2 H = 0	Insufficient Sample	Identification Analysis	1	0
Wax Myrtle C = 0 H = 1	Gummy Stem Blight	<i>Didymella</i> sp./spp.	1	0
	Anthrachnose Stem Blight	<i>Colletotrichum</i> sp./spp.	1	0
Wilton Carpet(blue Rug)juniper C = 1 H = 0				
Yaupon C = 2 H = 0	Winter Injury	Abiotic disorder	0	1
Yellow Squash C = 1 H = 0	No Pathogen Found	No Pathogen Found	1	0
Yew C = 0 H = 1	Root Damage	Abiotic disorder	1	0
		No Pathogen Found	1	0
Yew C = 0 H = 1	Phytophthora Stem Rot	<i>Phytophthora</i> sp./spp.	1	0
Yew C = 0 H = 1	Root Problems	Abiotic disorder	0	1