

Plant Disease Clinic Annual Report 2016

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2016 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 2016, 2331 physical and digital plant samples were processed for diagnosis.

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: 2016 PLANT SPECIMEN DIAGNOSES

Crop	Commercial Samples	Homeowner Samples	Total
Field Crops	330	2	332
Fruits and Nuts	308	49	357
Herbaceous Ornamentals	107	41	148
Miscellaneous	2	6	8
Trees	94	82	176
Turf	374	126	500
Vegetables	645	59	704
Woody Ornamentals	347	174	521
Total*	2207	539	2746

*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. This data includes physical commercial samples, physical homeowner samples and digital homeowner samples; it does not include commercial digital samples.

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

MONTHLY SAMPLE SUBMISSION SUMMARY: 2016

Month	Commercial Samples	Homeowner Samples
January	42	13
February	66	22
March	102	27
April	159	55
May	277	74
June	204	99
July	131	64
August	177	79
September	213	41
October	121	32
November	51	15
December	45	12
Total*	1588	533

*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. The total number of samples includes digital homeowner samples.

DISTRIBUTION OF COMMERCIAL SAMPLES SUBMITTED BY COUNTY FOR 2016

County	Samples	County	Samples	County	Samples
Appling	15	Floyd	9	Newton	4
Atkinson	17	Forsyth	12	Oconee	15
Bacon	38	Franklin	7	Oglethorpe	2
Baker	5	Fulton	22	Paulding	9
Banks	2	Gilmer	12	Peach	6
Bartow	1	Gordon	2	Pickens	1
Ben Hill	14	Grady	20	Pierce	12
Berrien	48	Greene	2	Pike	1
Bibb	16	Gwinnett	20	Pulaski	10
Brantley	4	Hall	6	Putnam	1
Brooks	11	Harris	7	Rabun	13
Bulloch	3	Hart	4	Randolph	6
Burke	9	Henry	6	Richmond	10
Candler	4	Houston	12	Rockdale	3
Carroll	10	Irwin	25	Screven	10
Chatham	4	Jackson	11	Seminole	2
Chattooga	2	Jasper	2	Spalding	6
Cherokee	12	Jeff Davis	12	Sumter	12
Clarke	37	Jefferson	8	Tattnall	36
Cobb	13	Jenkins	1	Taylor	15
Coffee	10	Johnson	3	Telfair	13
Colquitt	131	Lamar	2	Terrell	7
Columbia	3	Lanier	14	Thomas	12
Cook	66	Laurens	15	Tift	84
Coweta	3	Lee	3	Toombs	9
Crawford	4	Lowndes	19	Treutlen	2
Crisp	35	Lumpkin	3	Troup	1
Dawson	1	Macon	4	Turner	47
De Kalb	60	Madison	2	Union	1
Decatur	11	Marion	1	Walton	4
Dodge	6	McDuffie	81	Ware	25
Dooly	13	McIntosh	2	Warren	1
Dougherty	7	Meriwether	1	Washington	4
Douglas	18	Miller	11	Wayne	4
Early	4	Mitchell	1	Webster	2
Echols	7	Monroe	1	Wheeler	6
Effingham	21	Montgomery	3	Whitfield	1
Elbert	6	Morgan	12	Wilcox	11
Emanuel	19	Murray	1	Worth	19
Evans	3	Muscogee	13		
Fayette	1	NA	67		

DISTRIBUTION OF HOMEOWNER SAMPLES SUBMITTED BY COUNTY FOR 2016

County	Samples	County	Samples
Appling	5	Jenkins	3
Bacon	4	Laurens	1
Baldwin	4	Lee	7
Ben Hill	9	Lowndes	1
Bibb	12	Madison	2
Brantley	2	McIntosh	1
Brooks	2	Mitchell	1
Camden	3	Monroe	17
Carroll	8	Montgomery	3
Chatham	2	Morgan	20
Cherokee	21	Murray	1
Clarke	60	Muscogee	23
Cobb	35	NA	2
Colquitt	16	Newton	8
Coweta	4	Oconee	2
Dade	11	Oglethorpe	1
De Kalb	6	Pickens	1
Decatur	3	Pierce	4
Dodge	1	Rabun	1
Dougherty	6	Richmond	2
Douglas	1	Rockdale	2
Effingham	3	Sumter	1
Elbert	6	Tattnell	2
Evans	3	Thomas	17
Fayette	24	Towns	8
Forsyth	3	Treutlen	2
Fulton	30	Troup	10
Gordon	1	Twiggs	5
Greene	8	Union	27
Gwinnett	8	Upson	1
Hall	1	Walker	1
Harris	3	Walton	10
Hart	1	Ware	4
Henry	14	Washington	1
Houston	1	Wayne	1
Jackson	4	Webster	1
Jasper	2	Wheeler	1
Jeff Davis	5	Whitfield	1
Jefferson	4	Worth	1

CROP SUMMARIES

The following sections contain summaries of diagnosed samples by crop category for physical commercial samples, physical homeowner samples and digital homeowner samples; it does not include commercial digital samples.

C: Commercial

H: Homeowner

FIELD CROPS

(Total Diagnoses 332: C=330; H=2)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Alfalfa C = 1 H = 0	Alfalfa rust	<i>Uromyces striatus</i>	1	0
Annual Ryegrass C = 3 H = 0	Leaf spot	<i>Bipolaris sp./spp.</i>	1	0
	Root rot	Various Fungi	1	0
	Anaerobic soil	Abiotic disorder	1	0
Bahigrass C = 2 H = 0	Leaf spot	<i>Bipolaris sp./spp.</i>	1	0
	Large patch	<i>Rhizoctonia solani</i>	1	0
Bermudagrass C = 1 H = 0	Leaf spot	<i>Bipolaris sp./spp.</i>	1	0
Common Wheat C = 20 H = 0	Scab	<i>Fusarium sp./spp.</i>	4	0
	Powdery mildew	<i>Erysiphe sp./spp.</i>	1	0
	Leaf spot	<i>Stagonospora sp./spp.</i>	2	0
	Cultural/environmental problem	Abiotic disorder	2	0
	Physiological responses	Abiotic disorder	1	0
	Leaf rust; Rust	<i>Puccinia sp./spp.</i>	2	0
	Tan spot; Yellow leaf spot	<i>Pyrenophora (ana. Drechslera) tritici-repentis</i>	1	0
	Root rot	Various Fungi	2	0
		<i>Alternaria sp./spp.</i>	1	0
		No Pathogen Found	1	0
		Saprophytic Fungi and Yeasts	2	0
		<i>Septoria sp./spp.</i>	1	0
Corn C = 30 H = 1	Fusarium ear rot	<i>Fusarium sp./spp.</i>	1	0
	Common corn rust	<i>Puccinia sorghi</i>	1	0
	Chemical injury	Abiotic disorder	2	0
	Cultural/environmental problem	Abiotic disorder	1	0
	Nutritional deficiency	Abiotic disorder	1	0
	Unknown abiotic disorder	Abiotic disorder	1	0
	Fusarium root rot; Stalk rot	<i>Fusarium oxysporum</i>	1	0
	Curvularia blight; Leaf spot	<i>Curvularia sp./spp.</i>	1	0
	Northern corn leaf blight; Leaf spot	<i>Setosphaeria (Exserohilum) turcica (turcicum)</i>	1	0
	Southern corn rust	<i>Puccinia polysora</i>	5	0

	Insect damage	Unidentified Insect	0	1	
		No Pathogen Found	6	0	
		Unknown Agent	1	0	
		Unknown cause	3	0	
	No pathogen found	Identification Analysis	1	0	
	Root-knot nematodes	<i>Meloidogyne</i> sp./spp.	1	0	
	Southern leaf blight	<i>Bipolaris maydis</i>	2	0	
	Northern corn leaf spot	<i>Bipolaris zeicola</i>	1	0	
Corn (Seed) C = 1 H = 0 Cotton C = 120 H = 0	No pathogen found	Identification Analysis	1	0	
	Anthracnose fruit rot	<i>Colletotrichum</i> sp./spp.	1	0	
	Alternaria leaf blight	<i>Alternaria</i> sp./spp.	1	0	
	Bacterial blight	<i>Xanthomonas</i> sp./spp.	21	0	
	Bacterial blight	<i>Xanthomonas campestris</i>	4	0	
	Fusarium wilt	<i>Fusarium oxysporum</i>	2	0	
	Unknown	General	2	0	
	Angular leaf spot	<i>Xanthomonas</i> sp./spp.	1	0	
	Alternaria leaf spot	<i>Alternaria</i> sp./spp.	9	0	
	Ascochyta leaf spot	<i>Ascochyta</i> sp./spp.	2	0	
	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	15	0	
	Corynespora leaf spot	<i>Corynespora</i> sp./spp.	5	0	
	Corynespora leaf spot	<i>Corynespora cassicola</i>	5	0	
	Stemphylium leaf spot	<i>Stemphylium</i> sp./spp.	5	0	
	Cotton flea hopper	<i>Atomoscellis seriatus</i>	1	0	
	Southern root-knot nematode	<i>Meloidogyne incognita</i>	1	0	
	Chemical injury	Abiotic disorder	2	0	
	Physiological responses	Abiotic disorder	1	0	
	Boll rot	Various fungi	7	0	
	Insufficient sample	Identification Analysis	3	0	
	Additional sample requested	Identification Analysis	1	0	
		<i>Cercospora</i> sp./spp.	1	0	
		<i>Corynespora</i> sp./spp.	1	0	
		<i>Fusarium</i> sp./spp.	1	0	
		No Pathogen Found	17	0	
		<i>Rhizoctonia solani</i>	1	0	
		Unknown Agent	1	0	
		Unknown cause	4	0	
		No pathogen found	Identification Analysis	2	0
		Root-knot nematodes	<i>Meloidogyne</i> sp./spp.	3	0
Grain Sorghum C = 1 H = 0	Fusarium root rot; Stalk rot	<i>Fusarium oxysporum</i>	1	0	
Oats C = 12 H = 0	Helminthosporium leaf spot	<i>Drechslera</i> sp./spp.	1	0	
	Leaf spot	<i>Bipolaris</i> sp./spp.	2	0	
	Crown rust; Rust	<i>Puccinia coronata</i>	1	0	

	Root rot	Various Fungi	1	0	
	Insect damage	Unidentified Insect	1	0	
	Insufficient sample	Identification Analysis	1	0	
		Barley Yellow Dwarf Virus (BYDV)	1	0	
		<i>Helminthosporium</i> sp./spp.	1	0	
		No Pathogen Found	3	0	
Peanut C = 59 H = 0	Unknown	General	1	0	
	Collar rot	<i>Diplodia</i> sp./spp.	1	0	
	Diplodia collar rot	<i>Diplodia gossypina</i>	5	0	
	Aspergillus crown rot	<i>Aspergillus niger</i>	2	0	
	Pythium pod rot	<i>Pythium</i> sp./spp.	1	0	
	Southern stem rot	<i>Sclerotium rolfsii</i>	4	0	
	Rhizoctonia stem rot	<i>Rhizoctonia</i> sp./spp.	3	0	
	Lesser cornstalk borer (LCB)	<i>Elasmopalpus lignosellus</i>	1	0	
	Lesion nematodes	<i>Pratylenchus</i> sp./spp.	1	0	
	Chemical injury	Abiotic disorder	2	0	
	Chemical; Environmental injury	Abiotic disorder	1	0	
	Nutritional deficiency	Abiotic disorder	1	0	
	Leaf scorch; Pepper spot	<i>Leptosphaerulina crassiasca</i>	1	0	
		Abiotic disorder	1	0	
		No Pathogen Found	7	0	
		Unknown cause	4	0	
		Southern blight	<i>Sclerotium rolfsii</i>	2	0
		Root-knot nematodes	<i>Meloidogyne</i> sp./spp.	1	0
		Cylindrocladium black rot	<i>Calonectria</i> sp./spp.	1	0
		Early leaf spot	<i>Peyronellaea arachidicola</i>	2	0
	Late leaf spot	<i>Passalora personata</i>	2	0	
	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus	15	0	
Pearl Millet C = 2 H = 0	Leaf spot	<i>Bipolaris</i> sp./spp.	1	0	
	Gray leaf spot	<i>Pyricularia grisea</i>	1	0	
Rye C = 4 H = 0	Tan spot; Yellow leaf spot	<i>Pyrenophora</i> (ana. <i>Drechslera</i>) <i>tritici-repentis</i>	2	0	
	Root rot	Unidentified Agent	1	0	
	No pathogen found	Identification Analysis	1	0	
Ryegrass C = 5 H = 0	Helminthosporium leaf spot	<i>Drechslera</i> sp./spp.	2	0	
	Root rot	Various Fungi	1	0	
	Anaerobic soil	Abiotic disorder	1	0	
	Gray leaf spot	<i>Pyricularia grisea</i>	1	0	
Sorghum C = 6 H = 0	Nutrient imbalance	Abiotic disorder	1	0	
	Insect damage	Unidentified Insect	1	0	
		<i>Bipolaris</i> sp./spp.	1	0	
	No pathogen found	Identification Analysis	2	0	
	Target spot	<i>Bipolaris sorghicola</i>	1	0	
Soybean	Phomopsis blight	<i>Phomopsis</i> sp./spp.	2	0	

C = 32 H = 0	Fusarium wilt	<i>Fusarium oxysporum</i>	3	0
	Unknown	General	1	0
	Charcoal rot	<i>Macrophomina phaseolina</i>	7	0
	Rhizoctonia stem and root rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Australasian soybean rust	<i>Phakopsora pachyrhizi</i>	1	0
	Soybean brown spot	<i>Septoria glycines</i>	2	0
	Soybean pod and stem blight	<i>Diaporthe (Phomopsis) phaseolorum</i>	1	0
		No Pathogen Found	10	0
		Unknown cause	1	0
	Southern blight	<i>Sclerotium rolfsii</i>	1	0
	Root-knot nematodes	<i>Meloidogyne</i> sp./spp.	2	0
Sugarcane C = 0 H = 1	Insufficient sample	Identification Analysis	0	1
Tobacco (Flue-cured) C = 30 H = 0	Blue mold	<i>Peronospora hyoscyami</i>	5	0
	Black shank	<i>Phytophthora nicotianae</i>	5	0
	Collar rot	<i>Sclerotinia sclerotiorum</i>	1	0
	Southern stem rot	<i>Sclerotium rolfsii</i>	1	0
	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	1	0
	Tomato Spotted Wilt	Tomato Spotted Wilt Virus (TSWV)	2	0
	Chemical injury	Abiotic disorder	3	0
	Environmental stress; Problem	Abiotic disorder	1	0
	Physiological responses	Abiotic disorder	1	0
		No Pathogen Found	5	0
	Fertilizer injury	Abiotic disorder	1	0
	No pathogen found	Identification Analysis	1	0
	Black root rot	<i>Thielaviopsis basicola</i>	1	0
	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus	2	0
	Watermelon C = 1 H = 0		No Pathogen Found	1

FRUITS AND NUTS

(Total Diagnoses 357: C=308; H=49)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Apricot C = 0 H = 2	Brown rot	<i>Monilia sp./spp.</i>	0	1
	Root problems	Abiotic disorder	0	1
Blackberry C = 13 H = 0	Cane blotch	<i>Cephaleuros sp./spp.</i>	1	0
	Eriophyid mites	Family Eriophyidae	1	0
	Spider mites	Family Tetranychidae	1	0
	Canker	<i>Leptosphaeria sp./spp.</i>	1	0
	Cane and leaf rust	<i>Kuehneola sp./spp.</i>	1	0
	Mite damage	Unidentified Mite	2	0
		<i>Cercospora sp./spp.</i>	1	0
		<i>Cladosporium sp./spp.</i>	2	0
		<i>Fusicoccum sp./spp.</i>	1	0
	Unknown cause	2	0	
Blueberry C = 168 H = 11	Anthracnose	<i>Colletotrichum acutatum</i>	1	0
	Pestalotia dieback	<i>Pestalotia sp./spp.</i>	1	0
	Unknown	General	5	0
	Mummy berry	<i>Monilinia vaccinii-corymbosi</i>	0	1
	Rhizoctonia stem and root rot	<i>Rhizoctonia sp./spp.</i>	1	0
	Rhizoctonia root; Crown rot	<i>Rhizoctonia sp./spp.</i>	1	0
	Rhizoctonia crown and stem rot	<i>Rhizoctonia sp./spp.</i>	1	0
	Pucciniastrum rust	<i>Pucciniastrum sp./spp.</i>	0	1
	Thrips	Thrips sp./spp.	1	0
	Algae	General	2	0
	Chemical injury	Abiotic disorder	0	1
	Mechanical damage	Abiotic disorder	2	0
	Root damage	Abiotic disorder	1	0
	Cultural/environmental problem	Abiotic disorder	1	2
	Site disturbance	Abiotic disorder	0	1
	Oedema; Edema	Abiotic disorder	2	0
	Root problems	Abiotic disorder	0	1
	Unknown abiotic disorder	Abiotic disorder	1	1
	Hemlock-blueberry rust	<i>Thekopsora minima</i>	12	1
	Scale insects	Order homoptera	1	0
	Insects	Class insecta	1	0
	Sooty mold	Unidentified Fungus	1	0
	Insect damage	Unidentified Insect	1	0
	Mite damage	Unidentified Mite	2	0
	Blueberry necrotic ring blotch	Blueberry Necrotic Ring Blotch Disorder virus suspected	1	0
		Abiotic disorder	4	0

		<i>Alternaria</i> sp./spp.	2	0
		Blueberry Necrotic Ring Blotch Disorder virus suspected	1	1
		<i>Botryosphaeria</i> sp./spp.	15	0
		<i>Cephaleuros virescens</i>	1	0
		<i>Cladosporium</i> sp./spp.	3	0
		<i>Colletotrichum</i> sp./spp.	9	0
		Complex of Biotic; Abiotic Factors	1	0
		<i>Coniothyrium</i> sp./spp.	1	0
		Environmental Stresses	10	0
		<i>Fusicoccum</i> sp./spp.	4	0
		<i>Pestalotia</i> sp./spp.	4	0
		<i>Pestalotiopsis</i> sp./spp.	1	0
		<i>Phomopsis</i> sp./spp.	3	0
		<i>Phyllosticta</i> sp./spp.	2	0
		<i>Phytophthora cinnamomi</i>	20	0
		<i>Rhizoctonia solani</i>	1	0
		<i>Rhizoctonia</i> sp./spp.	16	0
		Unknown cause	6	0
	Anthracnose stem blight	<i>Colletotrichum</i> sp./spp.	1	0
	Phytophthora root and crown rot	<i>Phytophthora cinnamomi</i>	5	0
	Bacterial leaf scorch	<i>Xylella fastidiosa</i>	17	0
	Crown and root rot	Unidentified Agent	2	0
	Blueberry red ringspot (BRRV)	Soymovirus Blueberry Red Ringspot Virus	1	0
Chestnut C = 0 H = 1	Root problems	Abiotic disorder	0	1
Citrus C = 5 H = 0	Scale insects	Order homoptera	1	0
	Insect damage	Unidentified Insect	1	0
	Mite damage	Unidentified Mite	1	0
		<i>Sphaeropsis</i> sp./spp.	1	0
		Unknown cause	1	0
Common Apple C = 3 H = 6	Fire blight	<i>Erwinia amylovora</i>	0	1
	Chemical injury	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
	Cedar-apple rust	<i>Gymnosporangium juniperi-virginianae</i>	0	1
	Woolly aphids	Family Aphididae; Adelgidae	0	1
		<i>Colletotrichum</i> sp./spp.	1	0
		Complex of Biotic; Abiotic Factors	1	0
	Burr knot	Abiotic disorder	0	1
	Sooty blotch flyspeck complex	Various Fungi	1	0

Common Fig C = 0 H = 1	Wound canker	Abiotic disorder	0	1
European Grape C = 1 H = 0		Thrips sp./spp.	1	0
Grape C = 10 H = 5	Unknown	General	0	4
	Bitter rot	<i>Greeneria uvicola</i>	1	0
	Thrips	Thrips sp./spp.	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
	Thrips damage	Unidentified Thrips	2	0
		<i>Cladosporium</i> sp./spp.	3	0
		<i>Botrytis cinerea</i>	3	0
Hazelnut; Filbert Nut C = 0 H = 1	Crown rot; Root rot; Stem rot	<i>Phytophthora</i> sp./spp.	0	1
Japanese Persimmon C = 8 H = 0	Unknown	General	0	1
	Insect damage	Unidentified Insect	2	0
		Abiotic disorder	1	0
		<i>Pestalotia</i> sp./spp.	2	0
	Sooty blotch flyspeck complex	Various Fungi	2	0
Japanese Plum C = 0 H = 1	Unknown	General	1	0
Lime C = 3 H = 0	Sooty mold	Unidentified Fungus	1	0
	Insect damage	Unidentified Insect	1	0
		<i>Colletotrichum</i> sp./spp.	1	0
Loquat C = 0 H = 1	Wound canker	Abiotic disorder	0	1
May Hawthorne C = 2 H = 2	Fire blight	<i>Erwinia amylovora</i>	1	0
	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	0	1
	Cedar-quince rust	<i>Gymnosporangium clavipes</i>	1	0
		<i>Colletotrichum</i> sp./spp.	1	0
Muscadine Grape C = 1 H = 0	Black rot	<i>Phyllosticta ampellicida</i>	1	0
Nectarine C = 0 H = 2	Brown rot	<i>Monilia</i> sp./spp.	0	1
	Root problems	Abiotic disorder	0	1
Olive C = 4 H = 0	Eriophyid mites	Family Eriophyidae	1	0
	Gall	Unidentified Agent	1	0
	Sooty mold	Unidentified Fungus	1	0
		<i>Phytophthora</i> sp./spp.	1	0
Oriental Pear;	Insects	Class insecta	1	0

Shinglo C = 1 H = 0				
Peach C = 7 H = 2	Brown rot	<i>Monilia sp./spp.</i>	0	1
	Powdery mildew	<i>Podosphaera sp./spp.</i>	1	0
	Unknown	General	2	0
	Environmental stress; Problem	Abiotic disorder	0	1
	Sour rot	Multiple Pathogens	1	0
		<i>Botryosphaeria sp./spp.</i>	1	0
		<i>Fusicoccum sp./spp.</i>	1	0
		<i>Phytophthora sp./spp.</i>	1	0
Pear C = 3 H = 4	Fire blight	<i>Erwinia amylovora</i>	0	1
	Bitter rot	<i>Colletotrichum sp./spp.</i>	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
	Root problems	Abiotic disorder	0	1
	Insect damage	Unidentified Insect	1	0
	Sooty blotch flyspeck complex	Various Fungi	1	0
	Fabraea leaf and fruit spot	<i>Diplocarpon mespili</i>	0	1
Pear (Ornamental) C = 0 H = 1	Fire blight	<i>Erwinia amylovora</i>	0	1
Pecan C = 13 H = 1	Anthracnose	<i>Glomerella sp./spp.</i>	3	0
	Lightning damage	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	2	0
	Zinc deficiency	Abiotic disorder	1	0
	Anthracnose; Colletotrichum leaf spot	<i>Colletotrichum sp./spp.</i>	1	0
		No Pathogen Found	4	0
		<i>Phylloxera sp./spp.</i>	0	1
	Bacterial leaf scorch	<i>Xylella fastidiosa</i>	1	0
Persimmon (Ornamental) C = 0 H = 2	Environmental stress; Problem	Abiotic disorder	0	1
	Wound canker	Abiotic disorder	0	1
Plum C = 0 H = 3	Phyllosticta leaf spot	<i>Phyllosticta sp./spp.</i>	0	1
	Plum Curculio	<i>Conotrachelus nenuphar</i>	0	1
	Black knot	<i>Apiosporina morbosa</i>	0	1
Pomegranate C = 8 H = 0	Phytophthora stem rot	<i>Phytophthora sp./spp.</i>	1	0
	Mites	Order Acari	1	0
	Bark beetles; Ambrosia beetles	Family Scolytidae	1	0
	Ambrosia beetle	<i>Trypodendron sp./spp.</i>	1	0
	Insects	Class insecta	1	0
		<i>Fusarium sp./spp.</i>	1	0
		<i>Fusicoccum sp./spp.</i>	1	0
	Phytophthora root and crown rot	<i>Phytophthora cinnamomi</i>	1	0
Rhubarb	Unknown	General	0	1

C = 0 H = 1				
Satsuma Tangerine C = 2 H = 0	Root rot	Unidentified Agent	1	0
	Insect damage	Unidentified Insect	1	0
Satsuma; Mandarin; Tangerine C = 5 H = 1	Oedema; Edema	Abiotic disorder	0	1
	Insect damage	Unidentified Insect	1	0
	Mite damage	Unidentified Mite	1	0
		<i>Phomopsis</i> sp./spp.	1	0
		<i>Phytophthora</i> sp./spp.	1	0
		Unknown cause	1	0
Strawberry C = 50 H = 0	Anthraxnose fruit rot	<i>Colletotrichum</i> sp./spp.	3	0
	Powdery mildew	<i>Sphaerotheca</i> sp./spp.	1	0
	Unknown	General	2	0
	Angular leaf spot	<i>Xanthomonas</i> sp./spp.	1	0
	Mites	Order Acari	1	0
	Spider mites	Family Tetranychidae	3	0
	Twospotted spider mite	<i>Tetranychus urticae</i>	1	0
	Thrips	Thrips sp./spp.	1	0
	Aphids (Plant lice)	Family Aphididae	1	0
	Nutritional deficiency	Abiotic disorder	1	0
	Unknown abiotic disorder	Abiotic disorder	1	0
	Leaf scorch	<i>Diplocarpon</i> (ana. <i>Marssonina</i>) <i>earlianum</i> (<i>fragariae</i>)	3	0
	Phytophthora root and crown rot	<i>Phytophthora cactorum</i>	3	0
	Mite damage	Unidentified Mite	2	0
		Abiotic disorder	1	0
		<i>Botrytis</i> sp./spp.	11	0
		<i>Cladosporium</i> sp./spp.	1	0
		<i>Colletotrichum</i> sp./spp.	1	0
		<i>Mycosphaerella</i> sp./spp.	1	0
		<i>Phytophthora cactorum</i>	6	0
		<i>Rhizoctonia</i> sp./spp.	3	0
		<i>Rhizopus</i> sp./spp.	1	0
		Unknown cause	1	0
Unknown; No Site Specified C = 0 H = 1	Unknown	General	0	1
Wheat C = 1 H = 0		No Pathogen Found	1	0

HERBACEOUS ORNAMENTALS

(Total Diagnoses 148: C=107; H=41)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Amaryllis C = 0 H = 1	Red blotch	<i>Stagonospora</i> sp./spp.	0	1
Asiatic Jasmine C = 0 H = 1	Rhizoctonia Crown and Root Rot	<i>Thanatephorus (Rhizoctonia) cucumeris (solani)</i>	0	1
Autumn Fern C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	2	0
Begonia C = 3 H = 3	Rhizoctonia root; Crown rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	2	1
		Abiotic disorder	0	1
Black Mondo Grass C = 0 H = 3	Cultural/environmental problem	Abiotic disorder	0	1
	Root problems	Abiotic disorder	0	1
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	0	1
Brackenridge's Rosemallow C = 1 H = 0	Oedema; Edema	Abiotic disorder	1	0
Bugloss C = 0 H = 1	Foliar nematodes	<i>Aphelenchoides</i> sp./spp.	0	1
Canna Lily C = 0 H = 1	Phytophthora stem rot	<i>Phytophthora</i> sp./spp.	0	1
Carolina Windflower C = 1 H = 0	Stone fruit rust	<i>Tranzschelia pruni-spinosae</i>	1	0
Coneflower C = 1 H = 0	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	1	0
Copper-leaf C = 0 H = 1		No Pathogen Found	1	0
Creeping Jenny C = 0 H = 1	Rhizoctonia blight	<i>Rhizoctonia solani</i>	0	1
Creeping Phlox C = 1	Root rot	<i>Thielaviopsis</i> sp./spp.	1	0

H = 0				
Dahlia C = 1 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
	Insect damage	Unidentified Insect	1	0
Daylily C = 0 H = 2	Environmental stress; Problem	Abiotic disorder	0	2
English Ivy C = 0 H = 4	Environmental stress; Problem	Abiotic disorder	0	1
	Root problems	Abiotic disorder	0	2
		Abiotic disorder	0	1
False Salvia C = 1 H = 0	Cucumber mosaic (CMV)	Cucumovirus Cucumber Mosaic Virus	1	0
Florist's Chrysanthemum C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Mite damage	Unidentified Mite	1	0
Foxglove C = 2 H = 0		<i>Paecilomyces</i> sp./spp.	1	0
		<i>Botrytis cinerea</i>	1	0
Goldenrod C = 0 H = 1	Aster rust; Pine needle rust	<i>Coleosporium asterum</i>	0	1
Grace Ward Lithodora C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Greater Periwinkle C = 1 H = 0	Phyllosticta leaf spot	<i>Phyllosticta</i> sp./spp.	1	0
Hellebore C = 10 H = 6	Crown and root rot	<i>Phytophthora</i> sp./spp.	2	0
	Coniothyrium leaf spot	<i>Coniothyrium</i> sp./spp.	1	0
	Hellebore black death	Carlavirus (HeNV)	2	0
		No Pathogen Found	1	0
	Downy mildew	<i>Peronospora pulveracea</i>	4	5
	Anthracnose stem blight	<i>Colletotrichum</i> sp./spp.	1	0
Heuchera C = 1 H = 0		<i>Rhizoctonia</i> sp./spp.	1	0
Holly Fern C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Hollyhock C = 1		No Pathogen Found	1	0

H = 0				
Hosta C = 3 H = 2	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Hosta Virus X	Hosta Virus X (HVX)	1	0
	Anthracnose; Colletotrichum leaf spot	<i>Colletotrichum</i> sp./spp.	1	2
Impatiens C = 3 H = 0	Downy mildew	<i>Plasmopara obducens</i>	2	0
		No Pathogen Found	1	0
Ivy 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 Spurge C = 5 H = 0	Leaf and stem blight	<i>Volutella pachysandrae</i>	2	0
	Root rot and web blight	<i>Rhizoctonia</i> sp./spp.	1	0
	Rhizoctonia crown and stem rot	<i>Rhizoctonia</i> sp./spp.	1	0
		<i>Pythium</i> sp./spp.	1	0
Japanese Tassel Fern C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Lavender C = 1 H = 0		Abiotic disorder	1	0
Leucanthemum C = 2 H = 0	Rhizoctonia root; Crown rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	1	0
Lily Turf C = 0 H = 1	Cultural/environmental problem	Abiotic disorder	0	1
Lily-of-the-nile C = 3 H = 0	Mites	Order Acari	1	0
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	1	0
		<i>Colletotrichum</i> sp./spp.	1	0
Lilyturf (Bordergrass) 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
Madagascar periwinkle; Vinca C = 3 H = 3	Rhizoctonia root; Crown rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Root problems	Abiotic disorder	0	3
	Phytophthora blight; Dieback	<i>Phytophthora nicotianae</i>	1	0
	Crown rot; Root rot; Stem rot	<i>Phytophthora</i> sp./spp.	1	0
Mandevilla C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Colletotrichum</i> sp./spp.	1	0
Mistflower C = 1 H = 0	Southern blight	<i>Sclerotium rolfsii</i>	1	0

Mondograss; Dwarf Lily Turf C = 4 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Root problems	Abiotic disorder	1	0
	Anthracnose; Colletotrichum leaf spot	<i>Colletotrichum</i> sp./spp.	2	0
Muck Sunflower C = 2 H = 0	Powdery mildew	<i>Erysiphe</i> sp./spp.	1	0
	Sunflower rust	<i>Puccinia helianthi</i>	1	0
Muck Sunflower C = 2 H = 0	Powdery mildew	<i>Erysiphe</i> sp./spp.	1	0
	Sunflower rust	<i>Puccinia helianthi</i>	1	0
Muley Grass C = 3 H = 0	Leaf rust; Rust	<i>Puccinia</i> sp./spp.	1	0
		<i>Pythium</i> sp./spp.	1	0
	Leaf spot; Leaf blight	<i>Exserohilum rostratum</i>	1	0
New Guinea Impatiens C = 3 H = 1	Broad mite	<i>Polyphagotarsonemus latus</i>	1	0
	Root problems	Abiotic disorder	0	1
		<i>Insolibasidium deformans</i>	1	0
	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus	1	0
Ostrich Fern C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	2	0
Pachysandra C = 2 H = 1	Leaf and stem blight	<i>Volutella pachysandrae</i>	2	1
Pansy C = 0 H = 1		Unknown cause	1	0
Pentas C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Peony C = 0 H = 1	Leaf blotch; Leaf spot	<i>Cladosporium</i> sp./spp.	0	1
Petunias C = 5 H = 1	Botrytis blight	<i>Botrytis</i> sp./spp.	1	0
	Rhizoctonia blight	<i>Rhizoctonia solani</i>	0	1
	Bacterial leaf blight	<i>Pseudomonas</i> sp./spp.	1	0
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	1	0
		<i>Fusarium</i> sp./spp.	1	0
		No Pathogen Found	1	0
Pitcher Plant C = 1 H = 0	Cylindrocladium blight; Root rot	<i>Calonectria</i> sp./spp.	1	0
Poinsettia C = 2 H = 0	Bacterial soft rot	<i>Erwinia</i> sp./spp.	1	0
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	1	0

Prairie Dropseed C = 2 H = 0	Helminthosporium leaf spot	<i>Drechslera</i> sp./spp.	1	0
		<i>Pythium</i> sp./spp.	1	0
Red-hot Poker C = 1 H = 0	Southern blight	<i>Sclerotium rolfsii</i>	1	0
Rubber Plant C = 0 H = 1	Cultural/environmental problem	Abiotic disorder	0	1
Rudbeckia C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Southern blight	<i>Sclerotium rolfsii</i>	1	0
Shasta Daisy C = 0 H = 1	Root problems	Abiotic disorder	0	1
Siberian Iris C = 2 H = 0	Rhizoctonia root; Crown rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	1	0
Snapdragon C = 2 H = 0	Crown rot; Root rot; Stem rot	<i>Phytophthora</i> sp./spp.	1	0
	Root-knot nematodes	<i>Meloidogyne</i> sp./spp.	1	0
Snapdragon C = 0 H = 1	Root problems	Abiotic disorder	0	1
Soft Rush C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Rust	<i>Uromyces</i> sp./spp.	1	0
Stoke's Aster C = 1 H = 0		<i>Colletotrichum</i> sp./spp.	1	0
Swamp Milkweed C = 1 H = 0		<i>Pythium</i> sp./spp.	1	0
Sweet Basil C = 4 H = 0	Downy mildew	<i>Peronospora belbahrii</i>	2	0
		<i>Pythium</i> sp./spp.	2	0
Switchgrass C = 2 H = 0	Helminthosporium leaf spot	<i>Drechslera</i> sp./spp.	1	0
		<i>Pythium</i> sp./spp.	1	0
Tartarian Aster C = 1 H = 0	Southern blight	<i>Sclerotium rolfsii</i>	1	0
Violas (Violet; Pansy) C = 2	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	1	0
	Black root rot	<i>Thielaviopsis basicola</i>	1	0

H = 0				
Zinnia	Insect damage	Unidentified Insect	0	1
C = 0				
H = 1				

MISCELLANEOUS

(Total Diagnoses 8: C=2; H=6)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Multiple hosts C = 0 H = 1		Abiotic disorder	0	1
Potting Soil; growing media C = 1 H = 0		<i>Paecilomyces</i> sp./spp.	1	0
Sphagnum Moss C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Sunn Hemp; Indian Hemp C = 1 H = 0		<i>Colletotrichum</i> sp./spp.	1	0
Unknown Weeds; Unknown plants C = 0 H = 1	Unknown	General	0	1
Unknown; No Site Specified C = 0 H = 3	Unknown	General	0	1
	Not pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	0	1
		Abiotic disorder	0	1

TREES

(Total Diagnoses 176: C=94; H=82)

HOST	DISEASE	CAUSAL ORGANISM	C	H
American Sweetgum C = 0 H = 1	Insect damage	Unidentified Insect	0	1
Arborvitae C = 15 H = 8	Dieback; Canker	<i>Seiridium</i> sp./spp.	2	0
	Crown and root rot	<i>Phytophthora</i> sp./spp.	3	0
	Site disturbance	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	5
	Root problems	Abiotic disorder	0	2
	Mite damage	Unidentified Mite	1	0
		No Pathogen Found	5	0
	Root problem	Unknown Cause	3	0
	Seiridium canker	<i>Seiridium unicorne</i>	1	0
Arizona Cypress C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Ash C = 0 H = 1	Not pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	0	1
Atlantic Whitecedar C = 1 H = 0		No Pathogen Found	1	0
Black Alder; Common Alder C = 1 H = 0		No Pathogen Found	1	0
California Incense Cedar C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Callery Pear C = 0 H = 3	Environmental stress; Problem	Abiotic disorder	0	1
	Root problems	Abiotic disorder	0	2
Cherry C = 0 H = 4	Environmental stress; Problem	Abiotic disorder	0	1
	Root problems	Abiotic disorder	0	2
	Wound canker	Abiotic disorder	0	1
Conifers, Softwoods C = 0 H = 1	Eastern spruce gall adelgid	<i>Adelges abietis</i>	0	1
Cryptomeria C = 1 H = 3	Environmental stress; Problem	Abiotic disorder	0	2
	Root problems	Abiotic disorder	0	1
	Seiridium canker	<i>Seiridium unicorne</i>	1	0

Deodar Cedar C = 0 H = 2	Site disturbance	Abiotic disorder	0	1
	Unknown abiotic disorder	Abiotic disorder	0	1
Dogwood C = 0 H = 4	Herbicide injury; Exposure	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	2
	Root problems	Abiotic disorder	0	1
Eastern Red Cedar C = 1 H = 1	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	
	Environmental stress; Problem	Abiotic disorder	0	1
Eastern Redbud C = 1 H = 0	Armillaria root rot	<i>Armillaria sp./spp.</i>	1	0
Eastern White Pine C = 1 H = 0	Needle blight of pines	<i>Ploiderma lethale</i>	1	0
Falsecypress C = 2 H = 1	Crown and root rot	<i>Phytophthora sp./spp.</i>	2	0
	Root problems	Abiotic disorder	0	1
Flowering Dogwood C = 6 H = 0	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Spot anthracnose	<i>Elsinoe corni</i>	2	0
		Abiotic disorder	2	0
		No Pathogen Found	1	0
Giant Sequoia C = 1 H = 0	Conifer needle blight	<i>Passalora sequoiae</i>	1	0
Ginkgo C = 1 H = 0		No Pathogen Found	1	0
Green Ash C = 1 H = 0	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
Hemlock C = 2 H = 0	Scale insects	Order homoptera	1	0
		No Pathogen Found	1	0
Italian Cypress C = 3 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
	Mite damage	Unidentified Mite	1	0
		No Pathogen Found	1	0
	Root problem	Unknown Cause	1	0
Japanese Cedar C = 11 H = 0	Sclerotinia blight	<i>Sclerotinia sp./spp.</i>	1	0
	Needle dieback	<i>Phyllosticta sp./spp.</i>	1	0
	Dieback; Canker	<i>Seiridium sp./spp.</i>	1	0
	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Cercospora needle blight	<i>Cercospora sp./spp.</i>	1	0
	Scale insects	Order homoptera	1	0

		No Pathogen Found	2	0
		<i>Rhizoctonia</i> sp./spp.	1	0
	Root problem	Unknown Cause	2	0
Japanese Maple C = 2 H = 1	Cultural/environmental problem	Abiotic disorder	0	1
	Dieback; Canker; Twig blight	<i>Botryosphaeria</i> sp./spp.	1	0
		No Pathogen Found	1	0
Juniper C = 0 H = 2	Root problems	Abiotic disorder	0	2
Leyland Cypress C = 7 H = 24	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Not pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	0	1
	Lichens	Lichenes	0	1
	Herbicide injury; Exposure	Abiotic disorder	0	2
	Environmental stress; Problem	Abiotic disorder	0	19
	Dieback; Canker; Twig blight	<i>Botryosphaeria</i> sp./spp.	1	0
		No Pathogen Found	1	0
	Crown rot; Root rot; Stem rot	<i>Phytophthora</i> sp./spp.	1	0
	Root problem	Unknown Cause	1	0
	Cercospora blight	<i>Passalora sequoiae</i>	0	1
	Seiridium canker	<i>Seiridium unicorne</i>	2	0
Live Oak C = 1 H = 0	Tar spot of oak	<i>Trabutia quercina</i>	1	0
Loblolly Pine C = 5 H = 0	Diplodia blight	<i>Sphaeropsis sapinea</i>	1	0
	Rhizoctonia root rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Scale insects	Order homoptera	1	0
	Lophodermium leaf spot; Needle cast	<i>Lophodermium</i> sp./spp.	2	0
London Planetree C = 1 H = 0	Bacterial leaf scorch	<i>Xylella fastidiosa</i>	1	0
Longleaf Pine C = 1 H = 0		<i>Rhizoctonia</i> sp./spp.	1	0
Magnolia C = 2 H = 2	Algal leaf spot	<i>Cephaleuros</i> sp./spp.	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
		No Pathogen Found	1	0
	Root problem	Unknown Cause	1	0
Maple C = 3 H = 4	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Environmental stress; Problem	Abiotic disorder	0	2
	Wound canker	Abiotic disorder	0	1
	Yellow-bellied sapsucker	<i>Sphyrapicus varius</i>	0	1
		Abiotic disorder	1	0
		No Pathogen Found	1	0

North. White (American) Cedar C = 1 H = 0		No Pathogen Found	1	0
Norway Spruce C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Oak C = 5 H = 5	Powdery mildew	Oidium sp./spp.	0	1
	Unknown	General	0	1
	Oak Lecanium	<i>Parthenolecanium quercifex</i>	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
	Wound canker	Abiotic disorder	0	1
	Leaf spot	Unknown cause	0	1
	Leaf spot	<i>Tubakia</i> sp./spp.	1	0
		Abiotic disorder	1	0
		No Pathogen Found	1	0
Pear (Ornamental) C = 0 H = 1	Bacterial leaf scorch	<i>Xylella fastidiosa</i>	1	0
	Chemical injury	Abiotic disorder	1	0
Persimmon (Ornamental) C = 0 H = 1				
	Whiteflies	Family Aleyrodidae	1	0
Pin Oak C = 1 H = 0				
	Leaf spot	<i>Tubakia</i> sp./spp.	1	0
Pine C = 5 H = 2	Unknown	General	0	1
	Crown and root rot	<i>Phytophthora</i> sp./spp.	2	0
	Rhizoctonia root; Crown rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Not pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	0	1
	Lophodermium leaf spot; Needle cast	<i>Lophodermium</i> sp./spp.	1	0
		No Pathogen Found	1	0
Plum C = 0 H = 1	Wound canker	Abiotic disorder	0	1
Poplar C = 1 H = 0		<i>Phomopsis</i> sp./spp.	1	0
Red Maple C = 0 H = 3	Root problems	Abiotic disorder	0	1
	Wound canker	Abiotic disorder	0	2
Red Oak C = 3 H = 1				
	Oak leaf blister	<i>Taphrina caerulescens</i>	0	1
		No Pathogen Found	2	0
	Cristulariella Leaf Spot	<i>Grovesinia pyramidalis</i>	1	0

Red Oaks C = 1 H = 0	Leaf spot	<i>Tubakia</i> sp./spp.	1	0
Sawtooth Oak C = 1 H = 0	Leaf spot	<i>Tubakia</i> sp./spp.	1	0
Southern Magnolia C = 2 H = 0	Algal leaf spot	<i>Cephaleuros virescens</i>	1	0
	Sooty mold	Unidentified Fungus	1	0
Southern Sugar Maple; Florida Maple C = 2 H = 0	Anthracnose; Colletotrichum leaf spot	<i>Colletotrichum</i> sp./spp.	1	0
		No Pathogen Found	1	0
Sweetgum C = 1 H = 0		<i>Colletotrichum</i> sp./spp.	1	0
Water Oak C = 0 H = 1	Insect gall	Insect Gall	0	1
Western Red Cedar C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Willow C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1

TURF

(Total Diagnoses 500: C=374; H=126)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Asiatic Jasmine C = 0 H = 1	Root problems	Abiotic disorder	0	1
Bentgrass C = 44 H = 0	Brown patch	<i>Rhizoctonia</i> sp./spp.	1	0
	Root damage	Abiotic disorder	1	0
	Cultural/environmental problem	Abiotic disorder	7	0
	Anthracnose	<i>Colletotrichum cereale</i>	12	0
	Pythium root and/or crown rot	Pythium sp./spp.	15	0
	Root rot	Various Fungi	5	0
	Anaerobic soil	Abiotic disorder	2	0
	Magnaporthe summer patch	<i>Magnaporthiopsis poae</i>	1	0
Bermudagrass C = 20 H = 7	Spring dead spot	<i>Ophiosphaerella</i> sp./spp.	1	0
	Melting out (Turfgrass)	<i>Drechslera</i> sp./spp.	1	0
	Nematodes; General plant	Order Tylenchida	2	0
	Cultural/environmental problem	Abiotic disorder	6	2
	Environmental stress; Problem	Abiotic disorder	0	5
	Leaf spot	<i>Bipolaris</i> sp./spp.	2	0
	Large Patch	<i>Thanatephorus (Rhizoctonia) cucumeris (solani)</i>	1	0
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	1	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	3	0
	Root rot	Various Fungi	1	0
		<i>Rhizoctonia</i> sp./spp.	2	0
Bermudagrass C = 86 H = 22	Spring dead spot	<i>Ophiosphaerella</i> sp./spp.	3	0
	Melting out (Turfgrass)	<i>Drechslera</i> sp./spp.	10	0
	Take-all	<i>Gaeumannomyces</i> sp./spp.	2	0
	Nematodes; General plant	Order Tylenchida	1	0
	Algae	General	1	1
	Cultural/environmental problem	Abiotic disorder	6	4
	Nutritional deficiency	Abiotic disorder	2	0
	Nutrient imbalance	Abiotic disorder	1	0
	Dense thatch layer	Abiotic disorder	3	0
	Soil compaction	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	13	0
	Root problems	Abiotic disorder	1	0
	Red leaf and sheath spot	<i>Rhizoctonia zeae</i>	3	0
	Leaf spot	<i>Bipolaris</i> sp./spp.	8	0
	Large Patch	<i>Thanatephorus (Rhizoctonia) cucumeris (solani)</i>	7	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	13	0
	Dollar spot	<i>Sclerotinia homeocarpa</i>	1	0

	Black layer of turfgrass	Abiotic disorder	1	0
	Root rot	Various Fungi	6	0
	Insect damage	Unidentified Insect	1	0
	Insufficient sample	Identification Analysis	1	0
		Abiotic disorder	1	0
		<i>Fusarium</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	7	0
	Anaerobic soil	Abiotic disorder	2	0
	Large patch	<i>Rhizoctonia solani</i>	7	0
Bluegrass; Kentucky Bluegrass C = 2 H = 0	Cultural/environmental problem	Abiotic disorder	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Centipedegrass C = 74 H = 33	Anthracnose	<i>Colletotrichum graminicola</i>	0	1
	Rhizoctonia blight	<i>Rhizoctonia solani</i>	1	3
	Melting out (Turfgrass)	<i>Drechslera</i> sp./spp.	5	1
	Fairy ring	Various fungi	2	0
	Unknown	General	0	1
	Physarum slime mold	<i>Physarum</i> sp./spp.	0	1
	Take-all	<i>Gaeumannomyces</i> sp./spp.	0	1
	Not pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	0	1
	Nematodes; General plant	Order Tylenchida	2	0
	Cultural/environmental problem	Abiotic disorder	12	2
	Nutritional deficiency	Abiotic disorder	3	0
	Environmental stress; Problem	Abiotic disorder	2	21
	Poor root development	Abiotic disorder	2	0
	Leaf spot	<i>Bipolaris</i> sp./spp.	1	0
	Large Patch	<i>Thanatephorus (Rhizoctonia) cucumeris (solani)</i>	19	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	7	0
	Root rot	Various Fungi	10	0
	Root rot	Unidentified Agent	1	0
		No Pathogen Found	0	1
		Large patch	<i>Rhizoctonia solani</i>	7
Common Wheat C = 2 H = 0	Cultural/environmental problem	Abiotic disorder	1	0
	Tan spot; Yellow leaf spot	<i>Pyrenophora</i> (ana. <i>Drechslera</i>) <i>tritici-repentis</i>	1	0
Fescues C = 0 H = 6	Rhizoctonia blight	<i>Rhizoctonia solani</i>	0	1
	Environmental stress; Problem	Abiotic disorder	0	5
Grain Sorghum C = 1 H = 0	Anthracnose	<i>Colletotrichum graminicola</i>	1	0

Pecan C = 0 H = 1	Wound canker	Abiotic disorder	0	1
Ryegrass C = 8 H = 0	Leptosphaerulina leaf spot	<i>Leptosphaerulina</i> sp./spp.	2	0
	Dense thatch layer	Abiotic disorder	2	0
	Pythium root and/or crown rot	Pythium sp./spp.	1	0
	Root rot	Various Fungi	2	0
	Anaerobic soil	Abiotic disorder	1	0
St. Augustinegrass C = 39 H = 20	Rhizoctonia blight	<i>Rhizoctonia solani</i>	0	2
	Melting out (Turfgrass)	<i>Drechslera</i> sp./spp.	1	0
	Fairy ring	Various fungi	1	0
	Take-all	<i>Gaeumannomyces</i> sp./spp.	1	7
	Cultural/environmental problem	Abiotic disorder	1	0
	Nutritional deficiency	Abiotic disorder	2	0
	Environmental stress; Problem	Abiotic disorder	0	11
	Root problems	Abiotic disorder	1	0
	Large Patch	<i>Thanatephorus (Rhizoctonia) cucumeris (solani)</i>	6	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	12	0
	Root rot	Various Fungi	1	0
	Root rot	Unidentified Agent	1	0
	Gray leaf spot	<i>Pyricularia grisea</i>	6	0
	Large patch	<i>Rhizoctonia solani</i>	6	0
Tall Fescue C = 8 H = 0	Brown patch	<i>Rhizoctonia</i> sp./spp.	1	0
	Environmental stress; Problem	Abiotic disorder	1	0
	Decline; Dieback	Abiotic disorder	1	0
	Insects	Class insecta	1	0
	Root rot	Various Fungi	3	0
	Insufficient sample	Identification Analysis	1	0
Turfgrass C = 0 H = 1	Algae	General	0	1
Zoysia Grass C = 90 H = 35	Anthrachnose	<i>Colletotrichum graminicola</i>	0	1
	Rhizoctonia blight	<i>Rhizoctonia solani</i>	0	4
	Melting out (Turfgrass)	<i>Drechslera</i> sp./spp.	11	0
	Fairy ring	Various fungi	2	0
	Take-all	<i>Gaeumannomyces</i> sp./spp.	1	0
	Chemical; Environmental injury	Abiotic disorder	1	0
	Cultural/environmental problem	Abiotic disorder	11	3
	Nutritional deficiency	Abiotic disorder	6	0
	Nutrient imbalance	Abiotic disorder	1	0
	Soil compaction	Abiotic disorder	4	0
	Environmental stress; Problem	Abiotic disorder	2	27
	Poor root development	Abiotic disorder	1	0
	Root problems	Abiotic disorder	2	0

	Leaf spot	<i>Bipolaris</i> sp./spp.	1	0
	Large Patch	<i>Thanatephorus (Rhizoctonia) cucumeris (solani)</i>	19	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	11	0
	Leaf rust; Rust	<i>Puccinia</i> sp./spp.	5	0
	Root rot	Various Fungi	5	0
	Root rot	Unidentified Agent	3	0
	Insufficient sample	Identification Analysis	1	0
	Large patch	<i>Rhizoctonia solani</i>	3	0

VEGETABLES

(Total Diagnoses 704: C=645; H=59)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Allium; Onions; Leeks; Garlic C = 5 H = 0	Unknown	General	1	0
	Fusarium stem rot	<i>Fusarium</i> sp./spp.	1	0
	Fusarium root; Crown rot	<i>Fusarium</i> sp./spp.	1	0
		<i>Fusarium</i> sp./spp.	1	0
		Unknown cause	1	0
Bean C = 13 H = 8	Unknown	General	1	0
	Nutrient imbalance	Abiotic disorder	0	1
	Root problems	Abiotic disorder	0	4
	Pythium pod and stem blight	<i>Pythium</i> sp./spp.	1	0
	Begomovirus Group	Begomovirus Group	1	0
	Pythium damping off	<i>Pythium</i> sp./spp.	2	0
	Insect damage	Unidentified Insect	0	1
	No virus found	No Virus Found	1	0
		No Pathogen Found	2	0
		<i>Pythium</i> sp./spp.	1	0
		<i>Sclerotium rolfsii</i>	1	0
		Unknown cause	1	0
		Viruses	1	0
		No pathogen found	Identification Analysis	1
	Southern blight	<i>Sclerotium rolfsii</i>	0	2
Bell Pepper C = 2 H = 0		<i>Phytophthora capsici</i>	2	0
Bok Choy; Chinese Cabbage C = 1 H = 0	Insect damage	Unidentified Insect	1	0
Broccoli C = 6 H = 1	Unknown	General	1	0
	Environmental stress; Problem	Abiotic disorder	1	0
	Bacterial pathogens	General	0	1
	Insect damage	Unidentified Insect	1	0
		No Pathogen Found	2	0
		No pathogen found	Identification Analysis	1
Brussels-sprouts C = 2 H = 0	Black rot	<i>Xanthomonas campestris</i>	1	0
		<i>Pseudomonas</i> sp./spp.	1	0
Cabbage C = 40 H = 0	Unknown	General	5	0
	Black rot	<i>Xanthomonas campestris</i>	4	0
	Not pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	1	0
	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	3	0
	Bacterial leaf spot	<i>Xanthomonas campestris</i>	1	0

	Chemical; Environmental injury	Abiotic disorder	1	0
	Cultural/environmental problem	Abiotic disorder	1	0
	Sclerotinia rot	<i>Sclerotinia sclerotiorum</i>	1	0
	No virus found	No Virus Found	1	0
		<i>Alternaria sp./spp.</i>	1	0
		<i>Erwinia sp./spp.</i>	1	0
		No Pathogen Found	9	0
		<i>Pythium sp./spp.</i>	1	0
		<i>Rhizoctonia solani</i>	1	0
	No pathogen found	Identification Analysis	4	0
	Bacterial leaf spot	<i>Xanthomonas campestris</i>	1	0
	Normal plant growth	Identification Analysis	1	0
	Downy mildew	<i>Hyaloperonospora parasitica</i>	2	0
		Begomovirus Cucurbit Leaf Crumple Virus	1	0
Cantaloupe; Cantaloupe C = 11 H = 0	Nutritional deficiency	Abiotic disorder	2	0
	Begomovirus Group	Begomovirus Group	1	0
	Insufficient sample	Identification Analysis	1	0
		Abiotic disorder	1	0
		No Pathogen Found	1	0
		<i>Phytophthora capsici</i>	1	0
		<i>Pseudomonas sp./spp.</i>	1	0
		<i>Pseudoperonospora cubensis</i>	1	0
		No pathogen found	Identification Analysis	1
Carrot C = 3 H = 0	Root rot	Unidentified Agent	1	0
		<i>Alternaria sp./spp.</i>	1	0
	Bacterial soft rot	<i>Pectobacterium carotovorum</i>	1	0
Cauliflower C = 2 H = 0	Black rot	<i>Xanthomonas campestris</i>	1	0
		<i>Alternaria sp./spp.</i>	1	0
Celery C = 2 H = 0	Tomato Spotted Wilt	Tomato Spotted Wilt Virus (TSWV)	1	0
		No Pathogen Found	1	0
Citrullus Melons C = 1 H = 0		No Pathogen Found	1	0
Collards C = 14 H = 0	Black rot	<i>Xanthomonas campestris</i>	1	0
	Chemical injury	Abiotic disorder	1	0
		<i>Alternaria sp./spp.</i>	1	0
		No Pathogen Found	6	0
		<i>Pseudomonas sp./spp.</i>	2	0
		Unidentified Bacterium	1	0
		<i>Xanthomonas sp./spp.</i>	1	0

	No pathogen found	Identification Analysis	1	0	
Cucumber C = 18 H = 1	Not pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	0	1	
	Chemical injury	Abiotic disorder	1	0	
	Cultural/environmental problem	Abiotic disorder	1	0	
	Nutritional pathology	Abiotic disorder	1	0	
	No virus found	No Virus Found	4	0	
		<i>Colletotrichum</i> sp./spp.	1	0	
		No Pathogen Found	2	0	
		<i>Phytophthora capsici</i>	1	0	
		<i>Phytophthora</i> sp./spp.	2	0	
		<i>Pseudoperonospora cubensis</i>	1	0	
		<i>Pythium</i> sp./spp.	1	0	
		CYSDV	Cucurbit Yellow Stunt Disorder Virus	1	0
		CYSDV	Cucurbit Yellow Stunt Disorder Virus	1	0
		CYSDV	Cucurbit Yellow Stunt Disorder Virus	1	0
Curly Mustard; Leaf Mustard C = 1 H = 0		No Pathogen Found	1	0	
Eggplant C = 7 H = 0		<i>Alternaria</i> sp./spp.	1	0	
		No Pathogen Found	4	0	
		<i>Phomopsis</i> sp./spp.	1	0	
		<i>Phytophthora capsici</i>	1	0	
Garden Beet C = 1 H = 0		<i>Pseudomonas</i> sp./spp.	1	0	
Kale C = 3 H = 0	Black rot	<i>Xanthomonas campestris</i>	1	0	
		No Pathogen Found	1	0	
		<i>Pseudomonas</i> sp./spp.	1	0	
Lettuce C = 1 H = 0		No Pathogen Found	1	0	
Lima Bean C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1	
Mustards C = 5 H = 1	Rhizoctonia blight	<i>Rhizoctonia solani</i>	0	1	
	Nutritional deficiency	Abiotic disorder	1	0	
	No virus found	No Virus Found	1	0	
		No Pathogen Found	3	0	
Okra C = 2 H = 2		Abiotic disorder	1	0	
		No Pathogen Found	1	0	
	Southern blight	<i>Sclerotium rolfsii</i>	0	1	

	Root-knot nematodes	<i>Meloidogyne sp./spp.</i>	0	1	
Olive C = 1 H = 0	Botrytis leaf blight	<i>Botrytis squamosa</i>	1	0	
Onion C = 21 H = 0	Bacterial blight	<i>Xanthomonas sp./spp.</i>	1	0	
	Unknown	General	1	0	
	Bacterial leaf spot	<i>Xanthomonas sp./spp.</i>	1	0	
	Unknown abiotic disorder	Abiotic disorder	1	0	
	Center rot	<i>Pantoea ananatis</i>	1	0	
		Abiotic disorder	1	0	
		<i>Botrytis allii</i>	2	0	
		No Pathogen Found	5	0	
		Unknown Agent	1	0	
		No pathogen found	Identification Analysis	2	0
		Botrytis leaf blight	<i>Botrytis squamosa</i>	4	0
		center rot of onion	<i>Pantoea ananatis</i>	1	0
Pepper C = 39 H = 7	Anthracoze	<i>Glomerella sp./spp.</i>	0	2	
	Anthracoze fruit rot	<i>Colletotrichum gloeosporioides</i>	0	1	
	Botrytis blight	<i>Botrytis sp./spp.</i>	1	0	
	Unknown	General	3	2	
	Phytophthora stem rot	<i>Phytophthora sp./spp.</i>	1	0	
	Not pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	0	1	
	Tomato Spotted Wilt	Tomato Spotted Wilt Virus (TSWV)	1	0	
	Sunscald	Abiotic disorder	1	0	
	Nutritional pathology	Abiotic disorder	1	0	
	Uneven irrigation	Abiotic disorder	1	0	
	Pythium root and/or crown rot	<i>Pythium sp./spp.</i>	1	0	
	Pythium damping off	<i>Pythium sp./spp.</i>	1	0	
	Bacterial leaf spot	<i>Xanthomonas campestris</i>	1	0	
		Abiotic disorder	1	0	
		<i>Alternaria sp./spp.</i>	1	0	
		<i>Colletotrichum sp./spp.</i>	1	0	
		<i>Erwinia sp./spp.</i>	1	0	
		<i>Fusarium sp./spp.</i>	1	0	
		No Pathogen Found	9	0	
		<i>Phytophthora capsici</i>	2	0	
		<i>Phytophthora sp./spp.</i>	2	0	
		<i>Pseudomonas sp./spp.</i>	1	0	
		<i>Pythium sp./spp.</i>	4	0	
		<i>Xanthomonas sp./spp.</i>	1	0	
		No pathogen found	Identification Analysis	1	0
		Southern blight	<i>Sclerotium rolfsii</i>	0	2
	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted	1	0	

		Wilt Virus		
Potato C = 7 H = 4	Unknown	General	1	2
	Herbicide injury; Exposure	Abiotic disorder	0	1
	Insect damage	Unidentified Insect	0	1
		<i>Erwinia</i> sp./spp.	1	0
		No Pathogen Found	4	0
		Unknown cause	1	0
Pumpkin C = 2 H = 1		Abiotic disorder	0	1
		No Pathogen Found	2	0
Snap Bean; Green Bean C = 12 H = 0	Pythium blight	<i>Pythium ultimum</i>	1	0
	Chemical; Environmental injury	Abiotic disorder	1	0
	Physiological responses	Abiotic disorder	1	0
	Begomovirus Group	Begomovirus Group	2	0
	Pythium damping off	<i>Pythium</i> sp./spp.	1	0
	No virus found	No Virus Found	1	0
		No Pathogen Found	1	0
		<i>Pythium</i> sp./spp.	2	0
		Viruses	1	0
	Begomovirus Cucurbit Leaf Crumple Virus	1	0	
Southern peas; Cowpeas Blackeye Peas C = 3 H = 1	Rhizoctonia stem rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Nutritional deficiency	Abiotic disorder	1	0
	Root problems	Abiotic disorder	0	1
		<i>Rhizoctonia solani</i>	1	0
Spinach C = 4 H = 0		<i>Fusarium</i> sp./spp.	1	0
		No Pathogen Found	2	0
	No pathogen found	Identification Analysis	1	0
Squash C = 27 H = 2	Powdery mildew	<i>Erysiphe</i> sp./spp.	2	0
	Powdery mildew	<i>Sphaerotheca</i> sp./spp.	2	0
	Unknown	General	0	1
	Phytophthora fruit rot	<i>Phytophthora capsici</i>	1	0
	Bacterial leaf spot	Unidentified Bacteria	1	0
	Begomovirus Group	Begomovirus Group	10	0
	Phytophthora root/ stem/ crown rot	<i>Phytophthora capsici</i>	2	0
	Insect damage	Unidentified Insect	1	0
		Abiotic disorder	1	0
		<i>Myrothecium</i> sp./spp.	1	0
		No Pathogen Found	2	0
		<i>Phytophthora capsici</i>	1	0
		<i>Pseudomonas</i> sp./spp.	1	0
	Papaya Ringspot	Papaya Ringspot Virus (PRSV) (Watermelon Mosaic Virus 1)	1	0
Potyvirus Group	<i>Potyvirus</i> sp./spp.	2	0	
Sugar Beet	Fusarium wilt	<i>Fusarium oxysporum</i>	1	0

C = 1 H = 0				
Sweetpotato C = 10 H = 1	Sweetpotato scurf	<i>Monilochaetes infuscans</i>	3	0
	Unknown	General	2	0
	Charcoal rot	<i>Macrophomina sp./spp.</i>	1	0
	Bacterial soft rot	<i>Erwinia sp./spp.</i>	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
	Soft rot	<i>Pseudomonas sp./spp.</i>	1	0
		No Pathogen Found	1	0
		<i>Sclerotium rolfsii</i>	1	0
Swiss Chard C = 3 H = 0	Cercospora leaf spot	<i>Cercospora sp./spp.</i>	1	0
		Unidentified Bacteria	2	0
Tomatillo; Tree Tomato C = 2 H = 0	Cercospora leaf spot	<i>Cercospora sp./spp.</i>	1	0
		<i>Cercospora sp./spp.</i>	1	0
Tomato C = 31 H = 0	Unknown	General	1	0
	Tomato Spotted Wilt	Tomato Spotted Wilt Virus (TSWV)	2	0
	Chemical injury	Abiotic disorder	1	0
	Tomato; Pepper bacterial spot	<i>Xanthomonas campestris</i>	1	0
	Insufficient sample	Identification Analysis	1	0
		Environmental Stresses	1	0
		No Pathogen Found	13	1
		<i>Pythium sp./spp.</i>	1	0
		<i>Sclerotium rolfsii</i>	1	0
		Unknown cause	2	0
		<i>Xanthomonas sp./spp.</i>	2	0
	Tomato bacterial spot	<i>Xanthomonas perforans</i>	1	0
	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus	2	0
Tomato Target Spot	<i>Corynespora cassicola</i>	1	0	
Tomato C = 56 H = 29	Fusarium wilt	<i>Fusarium oxysporum</i>	0	1
	Pith necrosis	<i>Pseudomonas corrugata</i>	1	0
	Unknown	General	1	3
	Bacterial leaf spot	<i>Xanthomonas sp./spp.</i>	5	1
	Tomato Spotted Wilt	Tomato Spotted Wilt Virus (TSWV)	3	0
	Chemical injury	Abiotic disorder	1	4
	Herbicide injury; Exposure	Abiotic disorder	0	3
	Herbicide drift	Abiotic disorder	0	1
	Cultural/environmental problem	Abiotic disorder	0	2
	Nutrient imbalance	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	3
	Root problems	Abiotic disorder	0	1

	Bacterial wilt	<i>Ralstonia solanacearum</i>	2	0
	Early blight; Leaf spot	<i>Alternaria solani</i>	0	3
	Pythium damping off	<i>Pythium sp./spp.</i>	1	0
	Tomato; Pepper bacterial spot	<i>Xanthomonas campestris</i>	2	0
	Bacterial pathogens	General	0	1
	Bacterial leaf spot	<i>Xanthomonas campestris</i>	0	1
	No virus found	No Virus Found	1	0
	Insufficient sample	Identification Analysis	1	1
		<i>Alternaria sp./spp.</i>	1	0
		<i>Cladosporium sp./spp.</i>	1	0
		Geminivirus Group	2	0
		No Pathogen Found	9	0
		<i>Pseudomonas sp./spp.</i>	2	0
		<i>Pythium sp./spp.</i>	3	0
		<i>Sclerotium rolfsii</i>	3	0
		<i>Septoria sp./spp.</i>	1	0
		Tobacco Mosaic Virus-ob (TMV)	1	0
		<i>Xanthomonas sp./spp.</i>	2	0
	No pathogen found	Identification Analysis	1	0
	Tomato bacterial spot	<i>Xanthomonas perforans</i>	1	0
	Leaf mold	<i>Passalora fulva</i>	0	1
	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus	10	3
Turnip C = 5 H = 0	Powdery mildew	<i>Oidium sp./spp.</i>	1	0
	No virus found	No Virus Found	1	0
		<i>Cercospora sp./spp.</i>	1	0
	White leaf spot; Gray stem	<i>Pseudocercospora capsellae</i>	1	0
	Downy mildew of crucifers	<i>Hyaloperonospora parasitica</i>	1	0
Unknown; No Site Specified C = 3 H = 0	Pythium root and/or crown rot	<i>Pythium sp./spp.</i>	1	0
		No Pathogen Found	1	0
	Sore shin	<i>Rhizoctonia solani</i>	1	0
Watermelon C = 269 H = 0	Anthraxnose	<i>Colletotrichum orbiculare</i>	2	0
	Botrytis blight	<i>Botrytis sp./spp.</i>	1	0
	Rhizoctonia blight	<i>Rhizoctonia solani</i>	1	0
	Gummy stem blight	<i>Didymella sp./spp.</i>	11	0
	Bacterial fruit blotch	<i>Acidovorax sp./spp.</i>	4	0
	Powdery mildew	<i>Erysiphe sp./spp.</i>	1	0
	Powdery mildew	<i>Sphaerotheca sp./spp.</i>	9	0
	Fusarium wilt	<i>Fusarium oxysporum</i>	1	0
	Unknown	General	6	0
	Phytophthora fruit rot	<i>Phytophthora sp./spp.</i>	1	0
	Phytophthora fruit rot	<i>Phytophthora capsici</i>	2	0
	Bacterial soft rot	<i>Erwinia sp./spp.</i>	1	0

Tomato Spotted Wilt	Tomato Spotted Wilt Virus (TSWV)	1	0
Chemical injury	Abiotic disorder	1	0
Chemical; Environmental injury	Abiotic disorder	3	0
Growth regulator effect	Abiotic disorder	2	0
Mechanical damage	Abiotic disorder	1	0
Lightning damage	Abiotic disorder	1	0
Nutritional pathology	Abiotic disorder	1	0
Nutritional deficiency	Abiotic disorder	2	0
Environmental stress; Problem	Abiotic disorder	4	0
Physiological responses	Abiotic disorder	5	0
Unknown abiotic disorder	Abiotic disorder	5	0
Blossom end rot	Abiotic disorder	1	0
Poor pollination	Abiotic disorder	2	0
Unidentified fungus	Unidentified fungus	1	0
Anthracnose fruit spot	<i>Colletotrichum</i> sp./spp.	1	0
Watermelon Fusarium wilt	<i>Fusarium oxysporum</i>	36	0
Begomovirus Group	Begomovirus Group	2	0
Anthracnose; Colletotrichum leaf spot	<i>Colletotrichum</i> sp./spp.	1	0
Gummy stem blight	<i>Didymella</i> (ana. <i>Phoma</i>) <i>bryoniae</i> (<i>cucurbitacearum</i>)	2	0
Pythium damping off	<i>Pythium</i> sp./spp.	1	0
Insect damage	Unidentified Insect	1	0
Insufficient sample	Identification Analysis	2	0
Thrips damage	Unidentified Thrips	3	0
	Abiotic disorder	7	0
	<i>Colletotrichum</i> sp./spp.	4	0
	<i>Didymella bryoniae</i>	10	0
	<i>Fusarium</i> sp./spp.	25	0
	No Pathogen Found	61	0
	<i>Phytophthora capsici</i>	3	0
	<i>Phytophthora</i> sp./spp.	1	0
	<i>Pseudoperonospora cubensis</i>	1	0
	<i>Pythium</i> sp./spp.	9	0
	<i>Rhizoctonia solani</i>	4	0
	<i>Rhizoctonia</i> sp./spp.	1	0
	<i>Sclerotium rolfsii</i>	1	0
	Unknown cause	5	0
No pathogen found	Identification Analysis	9	0
Southern blight	<i>Sclerotium rolfsii</i>	1	0
Bacterial fruit blotch	<i>Acidovorax avenae</i>	1	0
Fruit rot	Unidentified Agent	1	0
Pellicularia root and stem rot	<i>Rhizoctonia solani</i>	1	0
	<i>Potyvirus</i> sp./spp.	3	0
Potyvirus Group	<i>Potyvirus</i> sp./spp.	1	0

		Potyvirus Potato Virus Y	1	0
Zucchini Squash C = 9 H = 0	Not pathogen; Saprophyte	Secondary Agents; Saprophytes; Unspecif.	0	1
	Poor pollination	Abiotic disorder	0	1
	Begomovirus Group	Begomovirus Group	5	0
		<i>Phytophthora capsici</i>	2	0

WOODY ORNAMENTALS

(Total Diagnoses 521: C=347; H=174)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Abelia C = 2 H = 0	Rhizoctonia stem and root rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Foliar nematodes	<i>Aphelenchoides</i> sp./spp.	1	0
Arborvitae C = 0 H = 11	Environmental stress; Problem	Abiotic disorder	0	9
	Transplant shock; Stress	Abiotic disorder	0	1
	Root problems	Abiotic disorder	0	1
Asiatic Jasmine C = 8 H = 1	Rhizoctonia root rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Crown and root rot	<i>Phytophthora</i> sp./spp.	3	0
	Herbicide drift	Abiotic disorder	0	1
	Anthracnose; Colletotrichum leaf spot	<i>Colletotrichum</i> sp./spp.	1	0
	Anthracnose stem blight	<i>Colletotrichum</i> sp./spp.	3	0
Atlantic Whitecedar C = 1 H = 0	Root damage	Abiotic disorder	1	0
Azalea; Rhododendron C = 25 H = 13	Rhizoctonia root rot	<i>Rhizoctonia</i> sp./spp.	2	0
	Rhizoctonia stem and root rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Crown and root rot	<i>Phytophthora</i> sp./spp.	12	0
	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	2	0
	Herbicide injury; Exposure	Abiotic disorder	0	1
	Herbicide drift	Abiotic disorder	0	2
	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	3
	Root problems	Abiotic disorder	0	3
	Wound canker	Abiotic disorder	0	1
	Anthracnose; Colletotrichum leaf spot	<i>Colletotrichum</i> sp./spp.	1	0
	Dieback; Canker; Twig blight	<i>Botryosphaeria</i> sp./spp.	1	0
	Insect damage	Unidentified Insect	0	1
		No Pathogen Found	1	0
		Rhododendron Necrotic Ringspot Virus	0	1
	Azalea leaf spot	<i>Pseudocercospora handelii</i>	5	0
Blueberry C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Insect damage	Unidentified Insect	1	0
Bottlebrush C = 0 H = 1	Root problems	Abiotic disorder	0	1
Boxwood C = 107	Unknown	General	0	1
	Rhizoctonia root rot	<i>Rhizoctonia</i> sp./spp.	1	0

H = 33	Crown and root rot	<i>Phytophthora</i> sp./spp.	7	0	
	Boxwood leafminer	<i>Monarthropalpus flavus</i> (buxi)	11	0	
	Boxwood webworm	<i>Galasa nigrinodis</i>	0	1	
	Cultural/environmental problem	Abiotic disorder	0	4	
	Environmental stress; Problem	Abiotic disorder	0	17	
	Root problems	Abiotic disorder	0	2	
	Scale insects	Order homoptera	1	0	
	Boxwood Macrophoma leaf spot	<i>Dothiorella (Macrophoma) sempervirens (candollei)</i>	8	0	
	Stem canker	<i>Colletotrichum</i> (teleo. <i>Glomerella</i>) sp./spp.	2	0	
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	1	0	
	Boxwood Volutella blight; Canker	<i>Volutella buxi</i>	23	0	
	Mite damage	Unidentified Mite	1	0	
		Abiotic disorder	1	0	
		<i>Colletotrichum</i> sp./spp.	1	0	
		No Pathogen Found	19	0	
		Unknown Agent	1	0	
		Anthrachnose stem blight	<i>Colletotrichum</i> sp./spp.	1	0
		Root-knot nematodes	<i>Meloidogyne</i> sp./spp.	1	0
		Boxwood blight; Leaf and stem blight	<i>Calonectria pseudonaviculata</i>	24	5
		Root problem	Unknown Cause	6	0
		Boxwood Dieback	<i>Colletotrichum theobromicola</i>	1	0
	Camellia C = 7 H = 9	Camellia leaf gall	<i>Exobasidium camelliae</i>	0	1
		Algal leaf spot	<i>Cephaleuros</i> sp./spp.	0	1
Tea scale		<i>Fiorinia theae</i>	1	0	
Cultural/environmental problem		Abiotic disorder	0	2	
Environmental stress; Problem		Abiotic disorder	0	4	
Oedema; Edema		Abiotic disorder	1	0	
Unidentified virus		Unidentified Virus	0	1	
Freeze; Frost; Cold damage		Abiotic disorder	1	0	
Mite damage		Unidentified Mite	1	0	
		No Pathogen Found	3	0	
Cherry C = 0 H = 2	Root problems	Abiotic disorder	0	1	
	Shothole	<i>Thyrostroma (Wilsonomyces)</i> sp./spp.	0	1	
Cherry-laurel C = 5 H = 2	Crown and root rot	<i>Phytophthora</i> sp./spp.	3	0	
	Bacterial leaf spot	<i>Xanthomonas</i> sp./spp.	0	1	
	Mealybugs	Family Pseudococcidae	1	0	
	Environmental stress; Problem	Abiotic disorder	0	1	
	Anthrachnose; Colletotrichum leaf spot	<i>Colletotrichum</i> sp./spp.	1	0	
Chinese Fringe Flower	Bacterial Gall	<i>Pseudomonas syringae</i>	2	0	
	Environmental stress; Problem	Abiotic disorder	0	1	

C = 7 H = 2	Root problems	Abiotic disorder	0	1
	Root rot	Various Fungi	1	0
		No Pathogen Found	2	0
	Cercospora leaf spot	<i>Pseudocercospora liquidambaricola</i>	1	0
	Leaf spot	<i>Pseudocercospora liquidambaricola</i>	1	0
Chinese Fringe-flower C = 0 H = 1	Chemical injury	Abiotic disorder	0	1
Chinese Juniper C = 3 H = 0	Sphaeropsis dieback	<i>Sphaeropsis sp./spp.</i>	1	0
	Seiridium Canker	<i>Leptotypha cupressi</i>	2	0
Common Boxwood C = 27 H = 0	Boxwood leafminer	<i>Monarthropalpus flavus (buxi)</i>	1	0
	Boxwood Macrophoma leaf spot	<i>Dothiorella (Macrophoma) sempervirens (candollei)</i>	2	0
	Boxwood Volutella blight; Canker	<i>Volutella buxi</i>	7	0
	Mite damage	Unidentified Mite	4	0
		No Pathogen Found	5	0
	Boxwood blight; Leaf and stem blight	<i>Calonectria pseudonaviculata</i>	6	0
	Root problem	Unknown Cause	2	0
Creeping Fig; Climbing Fig C = 1 H = 0	Southern blight	<i>Sclerotium rolfsii</i>	1	0
Cryptomeria C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Cypress C = 1 H = 0	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
Dogwood C = 1 H = 2	Crown and root rot	<i>Phytophthora sp./spp.</i>	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
	Wound canker	Abiotic disorder	0	1
Dwarf Heavenly Bamboo C = 3 H = 0	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Cercospora leaf spot	<i>Cercospora sp./spp.</i>	1	0
	Cucumber Mosaic	Cucumber Mosaic Virus (CMV)	1	0
Edging Boxwood C = 3 H = 0	Boxwood blight; Leaf and stem blight	<i>Calonectria pseudonaviculata</i>	3	0
Falsecypress C = 2 H = 0	Crown and root rot	<i>Phytophthora sp./spp.</i>	2	0
Florida Anisetree	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0

C = 1 H = 0				
Forsythia; Golden Bells C = 1 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
		Unknown cause	1	0
Fothergilla C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	1	0
Gardenia C = 2 H = 1	Rhizoctonia root rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Whiteflies	Family Aleyrodidae	1	0
Glossy Abelia C = 1 H = 0	Rhizoctonia stem and root rot	<i>Rhizoctonia</i> sp./spp.	1	0
Gold Dust Plant C = 3 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Anthracnose; Colletotrichum leaf spot	<i>Colletotrichum</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Hawthorn C = 0 H = 2	Entomosporium leaf spot	<i>Entomosporium</i> sp./spp.	0	1
	Cedar-hawthorn rust	<i>Gymnosporangium globosum</i>	0	1
Heavenly Bamboo C = 3 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Anthracnose; Colletotrichum leaf spot	<i>Colletotrichum</i> sp./spp.	1	0
	Cucumber mosaic (CMV)	Cucumovirus Cucumber Mosaic Virus	1	0
Hibiscus C = 1 H = 0	Bacterial leaf spot	<i>Pseudomonas cichorii</i>	1	0
Hinoki Falsecypress C = 1 H = 1	Environmental stress; Problem	Abiotic disorder	1	0
		No Pathogen Found	1	0
Holly C = 7 H = 19	Lace bugs	Family Tingidae	1	0
	Mealybugs	Family Pseudococcidae	1	0
	Cultural/environmental problem	Abiotic disorder	0	4
	Environmental stress; Problem	Abiotic disorder	0	7
	Root problems	Abiotic disorder	0	6
	Scale insects	Order homoptera	2	0
	Insect damage	Unidentified Insect	0	1
		No Pathogen Found	2	0
	Root problem	Unknown Cause	2	0
Honeysuckle C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	2	0
Hydrangea	Unknown	General	0	1

C = 4 H = 7	Saprophytic fungus	<i>Chromelosporium</i> sp./spp.	1	0
	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	0	3
	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	2
		Secondary Agents; Saprophytes; Unspecif.	3	0
Indian Hawthorn C = 2 H = 3	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Entomosporium leaf spot	<i>Entomosporium</i> sp./spp.	0	1
	Cold wet soils	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	0	2
Inkberry C = 1 H = 0		No Pathogen Found	1	0
Italian Cypress C = 0 H = 2	Environmental stress; Problem	Abiotic disorder	0	2
Itea; Sweetspire C = 3 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	2	0
	Flea beetles	Subfamily Alticinae	1	0
Japanese Aucuba C = 5 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Anthracnose; Colletotrichum leaf spot	<i>Colletotrichum</i> sp./spp.	2	0
		No Pathogen Found	1	0
	Root problem	Unknown Cause	1	0
Japanese Boxwood C = 2 H = 0	Boxwood Volutella blight; Canker	Volutella buxi	1	0
	Boxwood blight; Leaf and stem blight	<i>Calonectria pseudonaviculata</i>	1	0
Japanese Cleyera C = 0 H = 1	Cultural/environmental problem	Abiotic disorder	1	0
Japanese Holly C = 3 H = 0	Aerial blight	<i>Rhizoctonia</i> sp./spp.	1	0
	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Rhizoctonia foliar/ aerial/ web blight	<i>Rhizoctonia solani</i>	1	0
Japanese Maple C = 0 H = 6	Herbicide injury; Exposure	Abiotic disorder	0	2
	Environmental stress; Problem	Abiotic disorder	0	3
	Insect damage	Unidentified Insect	0	1
Japanese Privet C = 5 H = 1	Unknown abiotic disorder	Abiotic disorder	0	1
		No Pathogen Found	3	0
		<i>Passalora</i> sp./spp.	1	0
	Root problem	Unknown Cause	1	0
Juniper C = 10 H = 8	Dieback; Canker	<i>Seiridium</i> sp./spp.	1	0
	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Environmental stress; Problem	Abiotic disorder	0	3
	Root problems	Abiotic disorder	0	4
	Scale insects	Order homoptera	1	0

	Kabatina tip blight; Needle blight	<i>Kabatina juniperi</i>	1	0
	Mite damage	Unidentified Mite	1	0
		No Pathogen Found	2	0
	Armillaria root rot; Butt rot	<i>Armillaria sp./spp.</i>	0	1
	Root problem	Unknown Cause	2	0
	Seiridium canker	<i>Seiridium unicorne</i>	1	0
Korean Boxwood C = 9 H = 0	Boxwood leafminer	<i>Monarthropalpus flavus (buxi)</i>	1	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>	1	0
		No Pathogen Found	3	0
	Root problem	Unknown Cause	1	0
Leucothoe C = 1 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
		<i>Exobasidium sp./spp.</i>	1	0
Leyland Cypress C = 1 H = 4	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Environmental stress; Problem	Abiotic disorder	4	0
Ligustrum; Privet C = 1 H = 1	Root problems	Abiotic disorder	0	1
	Root rot	Various Fungi	1	0
Lilac C = 1 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
		No Pathogen Found	1	0
Loropetalum C = 1 H = 0	Bacterial Gall	<i>Pseudomonas syringae</i>	1	0
Magnolia C = 0 H = 3	Environmental stress; Problem	Abiotic disorder	0	3
Myrtle-leaved Distylium C = 1 H = 0		No Pathogen Found	1	0
Oakleaf Hydrangea C = 0 H = 1	Root problems	Abiotic disorder	0	1
Osmanthus C = 0 H = 1	Root problems	Abiotic disorder	0	1
Pearl Bush C = 7 H = 0	Cercospora leaf spot	<i>Cercospora sp./spp.</i>	2	0
	Anthracnose; Colletotrichum leaf spot	<i>Colletotrichum sp./spp.</i>	1	0
		No Pathogen Found	1	0

		<i>Tubakia sp./spp.</i>	1	0
	Root problem	Unknown Cause	2	0
Photinia C = 0 H = 1	Entomosporium leaf spot	<i>Entomosporium sp./spp.</i>	0	1
Pieris C = 1 H = 1	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Unknown abiotic disorder	Abiotic disorder	0	1
Pittosporum C = 0 H = 4	Environmental stress; Problem	Abiotic disorder	0	2
	Wound canker	Abiotic disorder	0	1
	Scale insects	Order homoptera	1	0
Plum-yew C = 2 H = 0		<i>Fusarium sp./spp.</i>	1	0
	Crown rot; Root rot; Stem rot	<i>Phytophthora sp./spp.</i>	1	0
Rhododendron C = 6 H = 3	Cranberry rootworm	<i>Rhabdopterus picipes</i>	1	0
	Cultural/environmental problem	Abiotic disorder	0	1
	Root problems	Abiotic disorder	0	1
	Insect damage	Unidentified Insect	0	1
	Mite damage	Unidentified Mite	1	0
		No Pathogen Found	4	0
Rose C = 27 H = 13	Unknown	General	0	2
	Rhizoctonia stem and root rot	<i>Rhizoctonia sp./spp.</i>	2	0
	Crown and root rot	<i>Phytophthora sp./spp.</i>	7	0
	Black spot (Rose)	<i>Diplocarpon (Marssonina) rosae</i>	0	2
	Chemical injury	Abiotic disorder	1	0
	Cultural/environmental problem	Abiotic disorder	0	2
	Environmental stress; Problem	Abiotic disorder	0	3
	Root problems	Abiotic disorder	0	1
	Scale insects	Order homoptera	1	0
	Rose downy mildew	<i>Peronospora sparsa</i>	1	0
		Abiotic disorder	1	0
		<i>Colletotrichum sp./spp.</i>	4	0
		No Pathogen Found	3	0
		<i>Phomopsis sp./spp.</i>	3	0
		Secondary Agents; Saprophytes; Unspecif.	1	0
	Root problem	Unknown Cause	1	0
		Rose Rosette Virus (RRV)	0	1
	Rose rosette disease	Rose Rosette Virus (RRV)	1	1
	Rose rosette disease (RRV)	Emaravirus Rose Rosette Virus	2	0
Rose-of-sharon; Shrub-althea C = 0 H = 1	Root problems	Abiotic disorder	0	1

Rubber Plant C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Rubus (Ornamental) C = 1 H = 0	Late leaf rust	<i>Pucciniastrum americanum</i>	1	0
Sasanqua Camellia C = 11 H = 0	Camellia leaf gall	<i>Exobasidium camelliae</i>	2	0
	Crown and root rot	<i>Phytophthora</i> sp./spp.	2	0
	Tea scale	<i>Fiorinia theae</i>	1	0
	Root damage	Abiotic disorder	1	0
	Anthracnose; Colletotrichum leaf spot	<i>Colletotrichum</i> sp./spp.	1	0
		No Pathogen Found	3	0
Smoke Tree C = 0 H = 1		<i>Rhizoctonia</i> sp./spp.	1	0
		No Pathogen Found	1	0
Spirea C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Sweet Olive; Tea Olive C = 2 H = 0	Anthracnose; Colletotrichum leaf spot	<i>Colletotrichum</i> sp./spp.	1	0
	Root problem	Unknown Cause	1	0
Unknown Host C = 1 H = 0		No Pathogen Found	1	0
Unknown; No Site Specified C = 1 H = 3	Unknown	General	1	1
	Sooty mold	<i>Septobasidium</i> sp./spp.	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
Viburnum C = 6 H = 0	Rhizoctonia root rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Crown and root rot	<i>Phytophthora</i> sp./spp.	2	0
	Broad mite	<i>Polyphagotarsonemus latus</i>	1	0
		No Pathogen Found	1	0
	Root problem	Unknown Cause	1	0
Wax Myrtle C = 0 H = 1	Unknown	General	0	1
Wisteria C = 0 H = 3	Unknown	General	0	1
	Environmental stress; Problem	Abiotic disorder	0	2
Yew C = 2 H = 0	Mite damage	Unidentified Mite	1	0
	Root problem	Unknown Cause	1	0