

Plant Disease Clinic Annual Report 2018

The University of Georgia
College of Agricultural and Environmental Sciences
Department of Plant Pathology
Diagnosticians: Ansuya Jogi and Jason Brock
Extension Specialists: Phillip Brannen, Bhabesh Dutta, Bob Kemerait,
Elizabeth Little, Jonathan Oliver,
Alfredo Martinez-Espinoza, Jean Williams-Woodward

2018 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.

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: 2018 PLANT SPECIMEN DIAGNOSES

Crop	Commercial Samples	Homeowner Samples	Total
Field Crops	187	0	187
Fruits and Nuts	300	36	336
Herbaceous Ornamentals	104	22	126
Miscellaneous	0	4	4
Trees	85	102	187
Turf	354	110	464
Vegetables	425	42	467
Woody Ornamentals	228	101	329
Total*	1683	417	2100

*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 is for DDDI Plant Pathology commercial physical, homeowner physical & digital and homeowner digital samples. It excludes DDDI commercial digital submissions.

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

MONTHLY SAMPLE SUBMISSION SUMMARY: 2018

Month	Commercial Samples	Homeowner Samples
January	28	4
February	61	15
March	66	24
April	143	37
May	205	54
June	139	67
July	96	41
August	94	53
September	127	39
October	78	44
November	32	26
December	58	8
Total*	1127	412

*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. This data is for DDDI Plant Pathology commercial physical, homeowner physical & digital and homeowner digital samples. It excludes DDDI commercial digital submissions.

DISTRIBUTION OF COMMERCIAL SAMPLES SUBMITTED BY COUNTY FOR 2018

County	Samples		County	Samples		County	Samples
Appling	10		Elbert	9		Oconee	34
Atkinson	7		Emanuel	3		Oglethorpe	1
Bacon	46		Evans	3		Paulding	5
Baker	1		Fayette	2		Peach	2
Barrow	3		Floyd	7		Pickens	2
Bartow	2		Forsyth	5		Pierce	11
Ben Hill	4		Fulton	32		Pike	2
Berrien	23		Glascok	1		Polk	1
Bibb	6		Grady	21		Pulaski	8
Bleckley	5		Gwinnett	22		Rabun	8
Brantley	3		Habersham	1		Randolph	2
Brooks	16		Hall	3		Richmond	11
Bulloch	14		Harris	8		Screven	3
Burke	9		Hart	1		Seminole	2
Butts	2		Henry	2		Spalding	3
Candler	3		Irwin	8		Sumter	18
Carroll	1		Jackson	10		Tattnall	18
Chatham	7		Jeff Davis	2		Taylor	1
Cherokee	3		Jefferson	4		Telfair	5
Clarke	27		Jenkins	4		Thomas	5
Clinch	10		Johnson	2		Tift	61
Cobb	30		Lanier	9		Toombs	7
Coffee	9		Laurens	11		Troup	2
Colquitt	129		Lee	1		Turner	21
Columbia	2		Liberty	3		Twiggs	2
Cook	32		Lowndes	26		Union	1
Coweta	6		Lumpkin	3		Walker	2
Crawford	3		Macon	3		Walton	1
Crisp	7		Madison	3		Ware	16
De Kalb	13		McDuffie	69		Washington	1
Decatur	1		McIntosh	3		Wayne	5
Dodge	1		Miller	4		Webster	2
Dooly	8		Mitchell	6		Wheeler	4
Dougherty	6		Morgan	4		Wilcox	13
Douglas	7		Murray	2		Wilkes	2
Early	3		Muscogee	8		Worth	17
Echols	6		NA	58			
Effingham	2		Newton	1			

DISTRIBUTION OF HOMEOWNER SAMPLES SUBMITTED BY COUNTY FOR 2018

County	Samples		County	Samples
Bacon	1		Jefferson	4
Banks	2		Jenkins	7
Barrow	10		Jones	1
Ben Hill	5		Laurens	5
Bibb	6		Lee	7
Brooks	1		Liberty	2
Bulloch	2		McDuffie	8
Butts	4		Monroe	10
Camden	3		Morgan	17
Carroll	6		Muscogee	19
Catoosa	1		Newton	2
Chatham	9		Oconee	3
Cherokee	1		Oglethorpe	2
Clarke	26		Pickens	1
Clinch	1		Pierce	7
Cobb	36		Pike	2
Colquitt	8		Rabun	3
Coweta	2		Richmond	3
De Kalb	12		Rockdale	14
Decatur	2		Screven	2
Dougherty	11		Stephens	2
Douglas	2		Sumter	1
Emanuel	3		Tattnall	1
Fayette	6		Thomas	7
Forsyth	5		Tift	3
Fulton	18		Toombs	1
Gilmer	1		Troup	1
Gordon	2		Twiggs	2
Greene	4		Union	3
Gwinnett	24		Walton	4
Harris	6		Ware	4
Hart	1		Webster	1
Henry	25		Wheeler	3
Jackson	5		Whitfield	3
Jasper	2		Worth	1
Jeff Davis	3			

CROP SUMMARIES

The following sections contain summaries of diagnosed samples by crop category for commercial physical samples, homeowner physical samples and homeowner digital samples.

C: Commercial

H: Homeowner

FIELD CROPS

(Total Diagnoses 187: C=187; H=0)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Bermudagrass C = 13 H = 0	Nutritional deficiency	Abiotic disorder	1	0
	Soil compaction	Abiotic disorder	1	0
	Leaf spot	<i>Bipolaris</i> sp./spp.	5	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	2	0
	Leaf rust; Rust	<i>Puccinia</i> sp./spp.	2	0
		<i>Rhizoctonia</i> sp./spp.	1	0
	Large patch	<i>Rhizoctonia solani</i>	1	0
Blueberry C = 3 H = 0	Sooty mold	<i>Cladosporium</i> sp./spp.	1	0
	Freeze; Frost; Cold damage	Abiotic disorder	1	0
		<i>Botrytis cinerea</i>	1	0
Common Wheat C = 12 H = 0	Powdery mildew	<i>Erysiphe</i> sp./spp.	2	0
	Sooty mold	<i>Cladosporium</i> sp./spp.	1	0
	Cultural/environmental problem	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	2	0
	Freeze; Frost; Cold damage	Abiotic disorder	1	0
	Tan spot	<i>Drechslera</i> sp./spp.	4	0
		No Pathogen Found	1	0
Corn C = 23 H = 0	Charcoal rot	<i>Macrophomina</i> sp./spp.	1	0
	Charcoal rot	<i>Macrophomina phaseolina</i>	1	0
	Fusarium ear rot	<i>Fusarium</i> sp./spp.	1	0
	Chemical injury	Abiotic disorder	2	0
		Abiotic disorder	1	0
		<i>Bipolaris</i> sp./spp.	1	0
		No Pathogen Found	1	0
		Unknown cause	1	0
	Southern leaf blight	<i>Bipolaris maydis</i>	9	0
	Northern corn leaf spot	<i>Bipolaris zeicola</i>	3	0
	Northern corn leaf blight; Leaf spot	<i>Exserohilum turcicum</i>	2	0
Corn (Seed) C = 2 H = 0	Unknown	General	1	0
	Charcoal rot	<i>Macrophomina phaseolina</i>	1	0
Cotton C = 50	Stemphylium leaf blight	<i>Stemphylium vesicarium</i>	1	0
	Bacterial blight	<i>Xanthomonas campestris</i>	3	0

H = 0	Fusarium wilt	<i>Fusarium oxysporum</i>	4	0
	Unknown	General	3	0
	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	3	0
	Corynespora leaf spot	<i>Corynespora cassiicola</i>	3	0
	Stemphylium leaf spot	<i>Stemphylium</i> sp./spp.	6	0
	Unknown Abiotic disorder	Abiotic disorder	1	0
	Boll rot	Various fungi	1	0
		<i>Alternaria</i> sp./spp.	1	0
		<i>Ascochyta</i> sp./spp.	1	0
		<i>Cercospora</i> sp./spp.	3	0
		<i>Corynespora</i> sp./spp.	3	0
		<i>Myrothecium</i> sp./spp.	1	0
		No Pathogen Found	4	0
	Root-knot nematodes	<i>Meloidogyne</i> sp./spp.	1	0
		<i>Ramularia gossypii</i>	3	0
	Cotton boll rot	<i>Lasiodiplodia theobromae</i>	1	0
	Rhizoctonia stem rot	<i>Rhizoctonia solani</i>	1	0
	Sore shin	<i>Rhizoctonia solani</i>	5	0
	Anthracnose	<i>Colletotrichum</i> sp./spp.	1	0
Grain Sorghum C = 1 H = 0	Anthracnose	<i>Colletotrichum graminicola</i>	1	0
Oats C = 9 H = 0	Nutritional deficiency	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	2	0
	Loose smut	<i>Ustilago avenae</i>	1	0
	Bacterial leaf spot	Unidentified Bacteria	1	0
	Leaf spot	<i>Bipolaris</i> sp./spp.	1	0
		Abiotic disorder	1	0
		No Pathogen Found	1	0
	Barley yellow dwarf (BYDV-MAV)	Luteovirus Barley Yellow Dwarf Virus	1	0
Oriental Sesame C = 1 H = 0	Corynespora leaf spot	<i>Corynespora cassiicola</i>	1	0
Peanut C = 30 H = 0	Dieback; Canker	<i>Diplodia</i> sp./spp.	1	0
	Unknown	General	3	0
	Diplodia collar rot	<i>Diplodia gossypina</i>	4	0
	Southern stem rot	<i>Sclerotium rolfsii</i>	3	0
	Zinc toxicity	Abiotic disorder	1	0
		Abiotic disorder	1	0
		No Pathogen Found	6	0
	Southern blight	<i>Sclerotium rolfsii</i>	1	0
	Rhizoctonia limb rot	<i>Rhizoctonia</i> sp./spp.	1	0

	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus	5	0
	Rhizoctonia stem rot	<i>Rhizoctonia solani</i>	1	0
	Peanut late leaf spot	<i>Passalora personata</i>	1	0
	Peanut early leaf spot	<i>Passalora arachidicola</i>	2	0
Pearl Millet C = 1 H = 0	Gray leaf spot	<i>Pyricularia grisea</i>	1	0
Rye C = 4 H = 0	Leaf rust; Rust	<i>Puccinia</i> sp./spp.	1	0
		<i>Bipolaris</i> sp./spp.	1	0
		<i>Drechslera</i> sp./spp.	1	0
		Saprophytic Fungi and Yeasts	1	0
Sorghum C = 2 H = 0	Anthraco nose	<i>Colletotrichum graminicola</i>	2	0
Soybean C = 20 H = 0	Phomopsis blight	<i>Phomopsis</i> sp./spp.	1	0
	Soybean bacterial pustule	<i>Xanthomonas campestris</i>	1	0
	Soybean downy mildew	<i>Peronospora manshurica</i>	2	0
	Unknown	General	2	0
	Charcoal rot	<i>Macrophomina phaseolina</i>	4	0
	Rhizoctonia root rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Chemical injury	Abiotic disorder	1	0
	Unidentified Bacteria	Unidentified Bacteria	1	0
		No Pathogen Found	2	0
		<i>Phomopsis</i> sp./spp.	1	0
		Unknown cause	2	0
	Southern blight	<i>Sclerotium rolfsii</i>	1	0
	Root-knot nematodes	<i>Meloidogyne</i> sp./spp.	1	0
Switchgrass C = 2 H = 0	Leaf spot	<i>Bipolaris</i> sp./spp.	1	0
	Slime mold	<i>Physarum cinereum</i>	1	0
Tobacco (Flue-cured) C = 14 H = 0	Black shank	<i>Phytophthora nicotianae</i>	2	0
	Chemical injury	Abiotic disorder	1	0
	Pythium damping off	<i>Pythium</i> sp./spp.	1	0
		<i>Erwinia</i> sp./spp.	1	0
		<i>Erwinia (Pectobacterium) carotovora (um)</i>	1	0
		No Pathogen Found	2	0
		Unknown cause	2	0
	No Pathogen Found	Identification Analysis	1	0
	Southern blight	<i>Sclerotium rolfsii</i>	1	0
	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus	1	0

	Rhizoctonia leaf spot	<i>Rhizoctonia solani</i>	1	0
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FRUITS AND NUTS

(Total Diagnoses 336: C=300; H=36)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Avocado C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Blackberry C = 25 H = 0	Orange rust	<i>Gymnoconia nitens</i>	1	0
	Mites	Order Acari	1	0
	Environmental stress; Problem	Abiotic disorder	1	0
	Wound canker	Abiotic disorder	1	0
	Cane and leaf rust	<i>Kuehneola sp./spp.</i>	1	0
		<i>Botryosphaeria sp./spp.</i>	1	0
		<i>Cephaleuros virescens</i>	2	0
		<i>Cercospora sp./spp.</i>	2	0
		<i>Leptosphaeria sp./spp.</i>	4	0
		<i>Phytophthora cinnamomi</i>	2	0
		<i>Phytophthora sp./spp.</i>	2	0
		<i>Pseudocercospora sp./spp.</i>	2	0
		<i>Rhizoctonia sp./spp.</i>	4	0
	Root problem	Unknown cause	1	0
Blueberry C = 155 H = 4	Unknown	General	3	0
	Sooty mold	<i>Cladosporium sp./spp.</i>	1	0
	Mummy berry	<i>Monilinia vaccinii-corymbosi</i>	1	0
	Rhizoctonia root rot	<i>Rhizoctonia sp./spp.</i>	1	0
	Chemical injury	Abiotic disorder	1	1
	Cultural/environmental problem	Abiotic disorder	0	2
	Nutritional deficiency	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
	Freeze; Frost; Cold damage	Abiotic disorder	2	0
	Scale insects	Order homoptera	1	0
	Insects	Class insecta	2	0
	Sooty mold	Unidentified Fungus	1	0
		<i>Botryosphaeria sp./spp.</i>	8	0
		<i>Cladosporium sp./spp.</i>	1	0
		<i>Colletotrichum sp./spp.</i>	5	0
		Environmental Stresses	11	0
		<i>Fusicoccum sp./spp.</i>	6	0
		<i>Leptosphaeria sp./spp.</i>	1	0
		<i>Phomopsis sp./spp.</i>	6	0
		<i>Phyllosticta sp./spp.</i>	2	0

		<i>Phytophthora cinnamomi</i>	38	0
		<i>Phytophthora</i> sp./spp.	1	0
		<i>Pucciniastrum</i> sp./spp.	4	0
		<i>Rhizoctonia</i> sp./spp.	35	0
		<i>Septoria</i> sp./spp.	2	0
		<i>Sphaeropsis</i> sp./spp.	1	0
		<i>Botrytis cinerea</i>	6	0
	Root problem	Unknown cause	8	0
	Phytophthora root and crown rot	<i>Phytophthora cinnamomi</i>	3	0
	Bacterial leaf scorch	<i>Xylella fastidiosa</i>	2	0
	Blueberry red ringspot (BRRV)	Soymovirus Blueberry Red Ringspot Virus	1	0
Cherry C = 0 H = 2	Wound canker	Abiotic disorder	0	1
	Leaf spot	Unknown cause	0	1
Citrus C = 5 H = 1	Mites	Order Acari	1	0
	Eriophyid mites	Family Eriophyidae	1	0
	Insect damage	Unidentified Insect	0	1
		<i>Colletotrichum</i> sp./spp.	2	0
		<i>Mycosphaerella</i> sp./spp.	1	0
Common Apple C = 6 H = 5	Fire blight	<i>Erwinia amylovora</i>	0	1
	Unknown	General	1	0
	Woolly apple aphid	<i>Eriosoma lanigerum</i>	0	1
	Freeze; Frost; Cold damage	Abiotic disorder	0	1
	Cedar-apple rust	<i>Gymnosporangium juniperi-virginianae</i>	0	1
		<i>Botryosphaeria</i> sp./spp.	2	0
		<i>Phomopsis</i> sp./spp.	1	0
		<i>Phytophthora</i> sp./spp.	1	0
	Burr knot	Abiotic disorder	1	0
	Bitter rot	<i>Colletotrichum gloeosporioides</i>	0	1
Common Quince C = 0 H = 1	Cedar-quince rust	<i>Gymnosporangium clavipes</i>	0	1
Grape C = 9 H = 6	Grape downy mildew	<i>Plasmopara viticola</i>	1	0
	Leaf spot	<i>Cristulariella</i> sp./spp.	1	0
	Grape Phylloxera	<i>Daktulosphaira vitifoliae</i>	1	0
	Chemical injury	Abiotic disorder	0	1
	Cultural/environmental problem	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
	Phytophthora root and crown rot	<i>Phytophthora cactorum</i>	1	0

	Leaf spot	Unknown cause	0	1
		Abiotic disorder	1	0
		<i>Cladosporium</i> sp./spp.	1	0
		<i>Pestalotia</i> sp./spp.	1	0
	Macrophoma rot	<i>Botryosphaeria dothidea</i>	0	1
	Black rot	<i>Phyllosticta ampellicida</i>	1	2
Japanese Persimmon C = 4 H = 0	Nutritional deficiency	Abiotic disorder	2	0
		Environmental Stresses	1	0
		<i>Phomopsis</i> sp./spp.	1	0
Lemon C = 0 H = 1	Unknown	General	0	1
Loquat C = 0 H = 1	Unknown	General	0	1
Muscadine Grape C = 3 H = 1	Unknown	General	0	1
		Complex of Biotic; Abiotic Factors	1	0
		<i>Fusicoccum</i> sp./spp.	1	0
	Black rot	<i>Phyllosticta ampellicida</i>	1	0
Olive C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Oriental Pear; Shinglo C = 4 H = 0	Sour rot	<i>Multiple Pathogens</i>	1	0
	Fruit fly	<i>Drosophila</i> sp./spp.	1	0
		Saprophytic Fungi and Yeasts	1	0
		Unknown cause	1	0
Peach C = 7 H = 3	Pear sawfly	<i>Caliroa cerasi</i>	0	1
	Environmental stress; Problem	Abiotic disorder	1	1
	Woolly aphids	Family Aphididae; Adelgidae	0	1
		<i>Fusarium</i> sp./spp.	1	0
		<i>Fusicoccum</i> sp./spp.	1	0
		<i>Phomopsis</i> sp./spp.	1	0
		<i>Sphaeropsis</i> sp./spp.	1	0
		Unknown cause	2	0
Pear C = 3 H = 3	Fire blight	<i>Erwinia amylovora</i>	1	2
	Unknown Abiotic disorder	Abiotic disorder	0	1
		<i>Entomosporium</i> sp./spp.	1	0
		<i>Phytophthora</i> sp./spp.	1	0
Pecan C = 10	Leaf spot	<i>Cristulariella</i> sp./spp.	1	0
	Pecan leaf scorch mite	<i>Eotetranychus hicoriae</i>	1	0

H = 3	Chemical injury	Abiotic disorder	1	0
	Cultural/environmental problem	Abiotic disorder	1	1
	Environmental stress; Problem	Abiotic disorder	1	1
		No Pathogen Found	2	0
		Unknown cause	1	0
	No Pathogen Found	<i>Identification Analysis</i>	1	0
	Pecan; Hickory scab	<i>Fusicladium caryigenum</i>	0	1
	Bacterial leaf scorch	<i>Xylella fastidiosa</i>	1	0
Plum C = 0 H = 1	Brown rot	<i>Monilia sp./spp.</i>	0	1
Pomegranate C = 19 H = 0	Unknown Abiotic disorder	Abiotic disorder	1	0
	Canker	Unidentified Fungus	1	0
	Insects	Class insecta	1	0
	Insect damage	Unidentified Insect	4	0
		<i>Botrytis sp./spp.</i>	1	0
		<i>Colletotrichum sp./spp.</i>	2	0
		Environmental Stresses	4	0
		<i>Thrips sp./spp.</i>	1	0
		Unknown Agent	1	0
	Fruit rot	Unidentified Agent	1	0
	Anthracnose	<i>Colletotrichum sp./spp.</i>	2	0
Raspberry C = 0 H = 1	Unknown Abiotic disorder	Abiotic disorder	0	1
Satsuma Tangerine C = 21 H = 0	Insect damage	Unidentified Insect	2	0
		Abiotic disorder	1	0
		<i>Alternaria sp./spp.</i>	3	0
		<i>Cladosporium sp./spp.</i>	1	0
		<i>Colletotrichum sp./spp.</i>	9	0
		<i>Mycosphaerella sp./spp.</i>	1	0
		<i>Phytophthora sp./spp.</i>	2	0
		Unknown Agent	2	0
Satsuma; Mandarin; Tangerine C = 2 H = 0	Citrus graft incompatibility	Abiotic disorder	1	0
		No Pathogen Found	1	0
Strawberry C = 27 H = 1	Powdery mildew	<i>Sphaerotheca sp./spp.</i>	1	0
	Mites	Order Acari	3	0
	Spider mites	Family Tetranychidae	1	0
	Sunscald	Abiotic disorder	1	0

	Nutritional deficiency	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
	Phytophthora root and crown rot	<i>Phytophthora cactorum</i>	2	0
		<i>Botrytis sp./spp.</i>	3	0
		<i>Cladosporium sp./spp.</i>	1	0
		<i>Colletotrichum sp./spp.</i>	1	0
		Environmental Stresses	1	0
		<i>Gnomonia sp./spp.</i>	3	0
		<i>Phomopsis sp./spp.</i>	1	0
		<i>Phytophthora cactorum</i>	4	0
		<i>Pythium sp./spp.</i>	1	0
		<i>Rhizoctonia solani</i>	1	0
		<i>Sclerotinia sclerotiorum</i>	1	0
	Leaf scorch	<i>Diplocarpon fragariae</i>	1	0

HERBACEOUS ORNAMENTALS

(Total Diagnoses 126: C=104; H=22)

HOST	DISEASE	CAUSAL ORGANISM	C	H
African Violet C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Mite damage	Unidentified Mite	1	0
Algerian Ivy C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Xanthomonas</i> sp./spp.	1	0
American Ginseng C = 1 H = 0	Seed/seedling rot	<i>Cylindrocarpon</i> sp.	1	0
Angel Flower C = 2 H = 0	Oedema; Edema	Abiotic disorder	1	0
		No Pathogen Found	1	0
Asiatic Jasmine C = 0 H = 1	Rhizoctonia blight	<i>Rhizoctonia solani</i>	0	1
Bachelor's Buttons; Cornflower C = 1 H = 0	Downy mildew	<i>Plasmopara</i> sp./spp.	1	0
Barbados Aloe C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Begonia C = 1 H = 1		No Pathogen Found	1	0
	Root problem	Unknown cause	0	1
Black Mondo Grass C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Butterfly Bush; Summer Lilac C = 3 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Corynespora leaf spot	<i>Corynespora</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Cattleya Orchid C = 0 H = 2	Environmental stress; Problem	Abiotic disorder	0	1
	Scale insects	Order homoptera	0	1

Chrysanthemum C = 1 H = 0		<i>Phytophthora</i> sp./spp.	1	0
Coleus C = 0 H = 1	Insect damage	Unidentified Insect	0	1
Coleus C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Rhizoctonia solani</i>	1	0
Coneflower C = 0 H = 1	Unknown Abiotic disorder	Abiotic disorder	0	1
Cosmos Flower C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Creeping Jenny C = 2 H = 0		<i>Pythium</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Creeping Speedwell C = 2 H = 0		<i>Pythium</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Crowfoot; Buttercup (Ornamental) C = 2 H = 0	Sclerotinia crown rot	<i>Sclerotinia</i> sp./spp.	1	0
		No Pathogen Found	1	0
Daylily C = 3 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Cercospora</i> sp./spp.	1	0
Echinacea Coneflower C = 1 H = 0	Crown and root rot	<i>Rhizoctonia</i> sp./spp.	1	0
		<i>Phytophthora</i> sp./spp.	1	0
English Ivy C = 2 H = 2	Environmental stress; Problem	Abiotic disorder	0	1
	Unknown Abiotic disorder	Abiotic disorder	0	1
		<i>Colletotrichum</i> sp./spp.	1	0
	Root problem	Unknown cause	1	0
Ferns C = 1 H = 0		<i>Pythium</i> sp./spp.	1	0
French Marigold		<i>Pythium</i> sp./spp.	1	0

C = 3 H = 0		<i>Rhizoctonia</i> sp./spp.	1	0
		<i>Botrytis cinerea</i>	1	0
Giant Hyssop C = 2 H = 0	Bacterial leaf spot	<i>Pseudomonas</i> sp./spp.	1	0
		<i>Pythium</i> sp./spp.	1	0
Hellebore C = 0 H = 1	Downy mildew	<i>Peronospora pulveracea</i>	0	1
Heuchera C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Colletotrichum</i> sp./spp.	1	0
Hyacinth Bean C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Iris C = 2 H = 0		<i>Pythium</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Jasmine C = 2 H = 0		<i>Phytophthora</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Johnny-Jump-Up C = 1 H = 0		<i>Phytophthora</i> sp./spp.	1	0
Lavender C = 5 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Bacterial leaf spot	<i>Pseudomonas</i> sp./spp.	1	0
		<i>Phytophthora</i> sp./spp.	1	0
		<i>Pythium</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Lilyturf; Bordergrass C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Colletotrichum</i> sp./spp.	1	0
Madagascar periwinkle; Vinca C = 5 H = 0	Aerial blight	<i>Phytophthora nicotianae</i>	3	0
		<i>Pythium</i> sp./spp.	1	0
	Southern blight	<i>Sclerotium rolfsii</i>	1	0
Mallow C = 0 H = 1	Mallow rust; Hollyhock rust	<i>Puccinia malvacearum</i>	0	1
Mazus C = 2 H = 0		No Pathogen Found	1	0
		<i>Thrips</i> sp./spp.	1	0

Mexican Petunia C = 2 H = 0	Freeze; Frost; Cold damage	Abiotic disorder	1	0
		<i>Pythium</i> sp./spp.	1	0
Milkweed C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Million Bells C = 2 H = 0	Bacterial leaf spot	<i>Acidovorax</i> sp./spp.	1	0
		<i>Pythium</i> sp./spp.	1	0
Mixed Plant Material C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Botrytis</i> sp./spp.	1	0
Mondograss; Dwarf Lily Turf C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Multiple hosts C = 2 H = 0		<i>Phytophthora</i> sp./spp.	1	0
		<i>Sclerotium rolfsii</i>	1	0
New Guinea Impatiens C = 3 H = 0		<i>Cercospora</i> sp./spp.	1	0
		<i>Fusarium</i> sp./spp.	1	0
		<i>Rhizoctonia solani</i>	1	0
Pachysandra C = 1 H = 0		No Pathogen Found	1	0
Pansy C = 0 H = 2	Environmental stress; Problem	Abiotic disorder	0	2
Pentas C = 6 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	3	0
	Mites	Order Acari	1	0
	Broad mite	<i>Polyphagotarsonemus latus</i>	2	0
Peony C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Petunias C = 3 H = 0	Bacterial leaf spot	<i>Acidovorax</i> sp./spp.	1	0
		<i>Phytophthora</i> sp./spp.	1	0
		<i>Pythium</i> sp./spp.	1	0
Phlox Moss; Pink		<i>Phytophthora</i> sp./spp.	1	0

Phlox C = 2 H = 0		<i>Pythium</i> sp./spp.	1	0
Pinks C = 3 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Fusarium</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Poinsettia C = 1 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
		<i>Pythium</i> sp./spp.	1	0
Ponytail Palm C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Red Mallow C = 2 H = 0	Cucumber mosaic (CMV)	Cucumovirus Cucumber Mosaic Virus	1	0
	Tobacco mosaic (TMV)	Tobamovirus Tobacco Mosaic Virus	1	0
Rose Mallow C = 2 H = 0	Mealybugs	Family Pseudococcidae	1	0
		<i>Potyvirus</i> sp./spp.	1	0
Rosemary C = 1 H = 0		<i>Pythium</i> sp./spp.	1	0
Salvia; Sage C = 1 H = 0	Bacterial leaf spot	<i>Pseudomonas cichorii</i>	1	0
Sedges C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Colletotrichum</i> sp./spp.	1	0
Shasta Daisy C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Shasta Daisy C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Siberian Iris C = 0 H = 1	Root problems	Abiotic disorder	0	1
Snapdragon C = 1 H = 0	Sclerotinia blight	<i>Sclerotinia</i> sp./spp.	1	0
Spiderwort	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0

C = 1 H = 0				
Sunflower C = 2 H = 0		<i>Pseudomonas sp./spp.</i>	1	0
	Sunflower leaf blight; Stem spot	<i>Alternariaster helianthi</i>	1	0
Sweet Flag; Myrtle Flag C = 1 H = 0		<i>Pythium sp./spp.</i>	1	0
Violas (Violet; Pansy) C = 0 H = 1	Unknown	General	0	1
Zinnia C = 6 H = 0	Powdery mildew	<i>Oidium sp./spp.</i>	2	0

MISCELLANEOUS

(Total Diagnoses 4: C=0; H=4)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Mushroom C = 0 H = 2	Unknown	General	0	2
Unknown; No Site Specified C = 0 H = 2	Unknown	General	0	1
		<i>Wolfiporia extensa</i>	0	1

TREES

(Total Diagnoses 187: C=102; H=85)

HOST	DISEASE	CAUSAL ORGANISM	C	H
American Beech C = 0 H = 1		Insect Gall	0	1
American Sycamore C = 2 H = 0		<i>Multiple genera sp./spp.</i>	1	0
		Unknown Agent	1	0
Arborvitae C = 3 H = 8	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Cultural/environmental problem	Abiotic disorder	0	2
	Environmental stress; Problem	Abiotic disorder	0	6
		No Pathogen Found	2	0
Arizona Cypress C = 1 H = 3	Environmental stress; Problem	Abiotic disorder	0	3
	Needle cast; Blight	<i>Passalora sequoiae</i>	1	0
Ash C = 0 H = 1	Anthracnose	<i>Discula fraxinea</i>	0	1
Baldcypress (Ornamental Spp.) C = 0 H = 1	Cultural/environmental problem	Abiotic disorder	0	1
Black Gum C = 1 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
		No Pathogen Found	1	0
Blue Spruce C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Callery Pear C = 0 H = 1		Unidentified Fungus	0	1
Cherry C = 1 H = 3	Environmental stress; Problem	Abiotic disorder	0	1
	Unknown Abiotic disorder	Abiotic disorder	0	1
	Sooty mold	Unidentified Fungus	0	1
		No Pathogen Found	1	0
Chinaberry; Umbrella Tree C = 0	Insect damage	Unidentified Insect	0	1

H = 1				
Chinese Elm C = 0 H = 1	Wound canker	Abiotic disorder	0	1
Chinese Pistache C = 0 H = 1	Cultural/environmental problem	Abiotic disorder	0	1
Colorado Blue Spruce C = 2 H = 0	Stigmina needle blight	<i>Stigmina lautii</i>	1	0
	Rhizosphaera needle cast	<i>Rhizosphaera sp./spp.</i>	1	0
Common Apple C = 0 H = 1	Burr knot	Abiotic disorder	0	1
Crape Myrtle C = 2 H = 1	Powdery mildew	<i>Oidium sp./spp.</i>	1	0
	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
Cryptomeria C = 1 H = 3	Environmental stress; Problem	Abiotic disorder	0	2
	Root rot	Various fungi	0	1
		Environmental Stresses	1	0
Deodar Cedar C = 1 H = 0		No Pathogen Found	1	0
Dogwood C = 0 H = 2	Environmental stress; Problem	Abiotic disorder	0	2
Eastern Redbud C = 1 H = 0		<i>Fusicoccum sp./spp.</i>	1	0
Elm C = 0 H = 1	Unknown	General	0	1
Falsecypress C = 1 H = 0		<i>Phytophthora sp./spp.</i>	1	0
Flowering Cherry C = 0 H = 1	Crown and root rot	<i>Phytophthora sp./spp.</i>	0	1
Flowering Dogwood C = 1 H = 0	Spot anthracnose	<i>Elsinoe corni</i>	1	0

Hickory C = 0 H = 2	Environmental stress; Problem	Abiotic disorder	0	1
	Wound canker	Abiotic disorder	0	1
Hophornbeam C = 2 H = 0	Mite damage	Unidentified Mite	1	0
		No Pathogen Found	1	0
Italian Cypress C = 6 H = 3	Environmental stress; Problem	Abiotic disorder	0	3
	Scale insects	Order homoptera	1	0
	Mite damage	Unidentified Mite	1	0
		<i>Sphaeropsis</i> sp./spp.	1	0
	Root problem	Unknown cause	1	0
	Seiridium canker	<i>Seiridium unicorne</i>	2	0
Japanese Cedar C = 1 H = 0	Dieback; Canker	<i>Seiridium</i> sp./spp.	1	0
Japanese Flowering Cherry C = 2 H = 0	Mites	Order Acari	1	0
		<i>Pseudocercospora</i> sp./spp.	1	0
Japanese Maple C = 2 H = 4	Unknown	General	0	1
	Environmental stress; Problem	Abiotic disorder	0	3
		<i>Phomopsis</i> sp./spp.	1	0
		Secondary Agents; Saprophytes; Unspecif.	1	0
Japanese Snowbell C = 1 H = 0		No Pathogen Found	1	0
Juniper C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Leyland Cypress C = 10 H = 16	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	9
	Root problems	Abiotic disorder	0	1
		No Pathogen Found	2	0
		<i>Pestalotia</i> sp./spp.	1	0
		<i>Phyllosticta</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
	Passalora leaf spot	<i>Passalora</i> sp./spp.	0	5
	Needle cast; Blight	<i>Passalora sequoiae</i>	3	0
	Seiridium canker	<i>Seiridium unicorne</i>	1	0

Live Oak C = 2 H = 0		No Pathogen Found	1	0
	Anthracnose	<i>Apiognomonina errabunda</i>	1	0
Loblolly Pine C = 2 H = 0	Diplodia blight	<i>Sphaeropsis sapinea</i>	2	0
Longleaf Pine C = 3 H = 0	Lophodermium leaf spot; Needle cast	<i>Lophodermium sp./spp.</i>	1	0
		No Pathogen Found	1	0
		<i>Pythium sp./spp.</i>	1	0
Loquat C = 1 H = 0		<i>Sphaeropsis sp./spp.</i>	1	0
Maple C = 0 H = 2	Unknown	General	0	1
	Scale insects	Order homoptera	0	1
Multiple hosts C = 0 H = 1	Canker	<i>Hypoxylon sp./spp.</i>	0	1
Oak C = 7 H = 18	Anthracnose	<i>Apiognomonina sp./spp.</i>	1	0
	Canker	<i>Hypoxylon sp./spp.</i>	0	1
	Unknown	General	0	4
	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Herbicide injury; Exposure	Abiotic disorder	0	1
	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	5
	Wound canker	Abiotic disorder	0	2
	Wood rot fungus	<i>Cerrena unicolor</i>	0	1
	Woolly aphids	Family Aphididae; Adelgidae	0	1
	Leaf spot	<i>Tubakia sp./spp.</i>	0	2
		<i>Rhizoctonia sp./spp.</i>	1	0
		<i>Sphaeropsis sp./spp.</i>	1	0
Overcup Oak C = 3 H = 0	Cercospora leaf spot	<i>Cercospora sp./spp.</i>	1	0
	Insect Gall	Insect Gall	1	0
	Leaf spot	<i>Tubakia sp./spp.</i>	1	0
Persian Ironwood C = 1 H = 0		No Pathogen Found	1	0
Pin Oak C = 8 H = 0	Leaf spot	<i>Tubakia sp./spp.</i>	1	0
		<i>Phytophthora sp./spp.</i>	1	0
		<i>Tubakia sp./spp.</i>	3	0

	Bacterial leaf scorch	<i>Xylella fastidiosa</i>	3	0
Pine C = 2 H = 3	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Wood rot fungus	<i>Poria</i> sp./spp.	0	1
	Unknown Abiotic disorder	Abiotic disorder	0	1
		No Pathogen Found	1	0
		Unidentified Fungus	0	1
Planetree; Sycamore C = 0 H = 2	Environmental stress; Problem	Abiotic disorder	0	2
Red Maple C = 3 H = 4	Cultural/environmental problem	Abiotic disorder	0	1
	Root problems	Abiotic disorder	0	2
	Maple <i>Cristulariella</i> leaf spot	<i>Cristulariella depraedans</i>	1	0
	Leaf spot	Unknown cause	0	1
		No Pathogen Found	1	0
		<i>Phytophthora</i> sp./spp.	1	0
Red Oak C = 0 H = 1	Wound canker	Abiotic disorder	0	1
Redbud C = 0 H = 1	Unknown	General	0	1
River Birch C = 2 H = 0		<i>Discula</i> sp./spp.	1	0
		Unknown Agent	1	0
Sassafras C = 0 H = 1	Wound canker	Abiotic disorder	0	1
Silk Tree C = 0 H = 1	Root rot	<i>Ganoderma</i> sp./spp.	0	1
Southern Magnolia C = 1 H = 0		No Pathogen Found	1	0
Southern Sugar Maple; Florida Maple C = 1 H = 0		<i>Tubakia</i> sp./spp.	1	0
Spruce C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1

Sugar Maple C = 0 H = 2	Discula anthracnose	<i>Discula sp./spp.</i>	0	1
	Unknown	General	0	1
Sweetgum C = 0 H = 1	Lichens	Lichenes	0	1
Tulip Tree C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Unknown; No Site Specified C = 1 H = 1	Fire blight	<i>Erwinia amylovora</i>	1	0
	Wood rot fungus; False turkey tail	<i>Stereum ostrea</i>	0	1
Virginia Pine C = 1 H = 0	Lophodermium leaf spot; Needle cast	<i>Lophodermium sp./spp.</i>	1	0
Water Oak C = 1 H = 1	Wood rot fungus	<i>Inonotus sp./spp.</i>	0	1
		<i>Tubakia sp./spp.</i>	1	0
White Oak C = 2 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
	Wood decay fungus	Unidentified Fungus	1	0
Whitebark Pine C = 1 H = 0		<i>Botryosphaeria sp./spp.</i>	1	0
		<i>Phytophthora sp./spp.</i>	1	0
Willow C = 0 H = 1	Leaf spot	Unknown cause	0	1
Yellowwood C = 1 H = 0		<i>Pseudocercospora sp./spp.</i>	1	0
Yoshino Cherry C = 1 H = 0		No Pathogen Found	1	0
Zelkova C = 0 H = 1	Wound canker	Abiotic disorder	0	1

TURF

(Total Diagnoses 464: C=354; H=110)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Bentgrass C = 30 H = 0	Nematodes; General plant	Order Tylenchida	3	0
	Environmental stress; Problem	Abiotic disorder	3	0
	Poor root development	Abiotic disorder	1	0
	Anthracnose	<i>Colletotrichum cereale</i>	6	0
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	10	0
	Wet wilt	Abiotic disorder	1	0
	Root rot	Various fungi	1	0
		Environmental Stresses	1	0
		No Pathogen Found	3	0
		Anaerobic soil	Abiotic disorder	1
Bermudagrass C = 25 H = 6	Spring dead spot	<i>Ophiosphaerella</i> sp./spp.	2	1
	Fairy ring	Various fungi	1	0
	Take-all	<i>Gaeumannomyces</i> sp./spp.	1	0
	Nematodes; General plant	Order Tylenchida	3	0
	Cultural/environmental problem	Abiotic disorder	2	0
	Dense thatch layer	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	0	5
	Red leaf and sheath spot	<i>Rhizoctonia zea</i>	1	0
	Leaf spot	<i>Bipolaris</i> sp./spp.	3	0
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	2	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	2	0
	Root rot	Various fungi	1	0
		No Pathogen Found	1	0
		<i>Rhizoctonia solani</i>	1	0
		<i>Rhizoctonia</i> sp./spp.	3	0
Large patch	<i>Rhizoctonia solani</i>	1	0	
Bermudagrass C = 54 H = 7	Spring dead spot	<i>Ophiosphaerella</i> sp./spp.	0	1
	Melting out (Turfgrass)	<i>Drechslera</i> sp./spp.	2	0
	Take-all	<i>Gaeumannomyces</i> sp./spp.	1	0
	Nematodes; General plant	Order Tylenchida	1	0
	Cultural/environmental problem	Abiotic disorder	6	1
	Nutritional deficiency	Abiotic disorder	1	0
	Soil compaction	Abiotic disorder	2	0
Environmental stress; Problem	Abiotic disorder	2	4	

	Drainage problem	Abiotic disorder	1	0
	Root problems	Abiotic disorder	1	0
	Leaf spot	<i>Bipolaris</i> sp./spp.	11	0
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	2	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	6	0
	Insects	Class insecta	1	0
	Root rot	Various fungi	3	0
		Abiotic disorder	0	1
		No Pathogen Found	1	0
		<i>Rhizoctonia</i> sp./spp.	3	0
	Large patch	<i>Rhizoctonia solani</i>	10	0
Centipede grass C = 70 H = 36	Rhizoctonia blight	<i>Rhizoctonia solani</i>	0	2
	Fairy ring	Various fungi	4	0
	Take-all	<i>Gaeumannomyces</i> sp./spp.	4	0
	Nematodes; General plant	Order Tylenchida	3	0
	Cultural/environmental problem	Abiotic disorder	9	2
	Nutritional deficiency	Abiotic disorder	2	0
	Environmental stress; Problem	Abiotic disorder	3	31
	Root problems	Abiotic disorder	1	0
	Unknown Abiotic disorder	Abiotic disorder	0	1
	Leaf spot	<i>Bipolaris</i> sp./spp.	3	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	7	0
	Root rot	Various fungi	7	0
	Insect damage	Unidentified Insect	1	0
		<i>Bipolaris</i> sp./spp.	1	0
	Large patch	<i>Rhizoctonia solani</i>	25	0
Fescues C = 0 H = 2 Oats C = 2 H = 0	Environmental stress; Problem	Abiotic disorder	0	2
	Tan spot	<i>Drechslera</i> sp./spp.	1	0
		Luteovirus Barley Yellow Dwarf Virus	1	0
Ryegrass C = 6 H = 0	Leptosphaerulina leaf spot	<i>Leptosphaerulina</i> sp./spp.	2	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	1	0
	Root rot	Various fungi	2	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Seashore Paspalum	Chemical; Environmental injury	Abiotic disorder	1	0

C = 9 H = 0	Root problems	Abiotic disorder	2	0
	Dollar spot	<i>Sclerotinia homeocarpa</i>	1	0
		No Pathogen Found	5	0
St. Augustinegrass C = 40 H = 21	Fairy ring	Various fungi	2	0
	Take-all	<i>Gaeumannomyces sp./spp.</i>	7	6
	Cultural/environmental problem	Abiotic disorder	0	2
	Environmental stress; Problem	Abiotic disorder	0	13
	Leaf spot	<i>Bipolaris sp./spp.</i>	1	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	6	0
	Root rot	Various fungi	2	0
	Insect damage	Unidentified Insect	1	0
	Gray leaf spot	<i>Pyricularia grisea</i>	6	0
	Large patch	<i>Rhizoctonia solani</i>	15	0
	Tall Fescue C = 1 H = 0	Brown patch	<i>Rhizoctonia sp./spp.</i>	1
Unknown Weeds; Unknown plants C = 0 H = 2	Cultural/environmental problem	Abiotic disorder	0	1
		No Pathogen Found	0	1
Unknown; No Site Specified C = 0 H = 1	Unknown	General	0	1
Zoysia Grass C = 117 H = 35	Rhizoctonia blight	<i>Rhizoctonia solani</i>	0	1
	Fairy ring	Various fungi	4	1
	Take-all	<i>Gaeumannomyces sp./spp.</i>	2	0
	Cultural/environmental problem	Abiotic disorder	13	3
	Nutritional deficiency	Abiotic disorder	4	0
	Nutrient imbalance	Abiotic disorder	1	1
	Soil compaction	Abiotic disorder	2	0
	Environmental stress; Problem	Abiotic disorder	3	24
	Unknown Abiotic disorder	Abiotic disorder	0	1
	Leaf spot	<i>Bipolaris sp./spp.</i>	9	0
	Pythium root and/or crown rot	<i>Pythium sp./spp.</i>	1	1
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	9	0
	Leaf rust; Rust	<i>Puccinia sp./spp.</i>	3	0
	Dollar spot	<i>Sclerotinia homeocarpa</i>	3	1
Root rot	Various fungi	19	1	

		<i>Bipolaris</i> sp./spp.	3	0
		<i>Drechslera</i> sp./spp.	1	0
		No Pathogen Found	2	0
		<i>Rhizoctonia</i> sp./spp.	9	0
	Large patch	<i>Rhizoctonia solani</i>	27	1
	Dollar spot	<i>Clariireedia homoeocarpa</i>	2	0

VEGETABLES

(Total Diagnoses 467: C=425; H=42)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Austrian Winter Pea C = 2 H = 0	Damping off	<i>Fusarium</i> sp./spp.	1	0
	Rhizoctonia damping off	<i>Rhizoctonia</i> sp./spp.	1	0
Bean C = 1 H = 1	Leaf spot	Unknown cause	0	1
		<i>Xanthomonas</i> sp./spp.	1	0
Broccoli C = 13 H = 1	Spider mites	Family Tetranychidae	1	0
	Unknown Abiotic disorder	Abiotic disorder	0	1
		<i>Cercospora</i> sp./spp.	1	0
		No Pathogen Found	2	0
		<i>Pectobacterium</i> sp./spp.	1	0
		<i>Pseudomonas</i> sp./spp.	1	0
		<i>Xanthomonas</i> sp./spp.	3	0
	Bacterial leaf spot	<i>Xanthomonas campestris</i>	1	0
	Bacterial soft rot	<i>Pectobacterium carotovorum</i>	2	0
	Bacterial spot of crucifer	<i>Xanthomonas campestris</i> pv. <i>raphani</i>	1	0
Cabbage C = 21 H = 1	Black rot	<i>Xanthomonas campestris</i>	5	0
	Crucifer bacterial black rot	<i>Xanthomonas campestris</i>	1	0
	Physiological responses	Abiotic disorder	1	0
	Insect damage	Unidentified Insect	0	1
		<i>Alternaria</i> sp./spp.	1	0
		<i>Corynespora</i> sp./spp.	1	0
		No Pathogen Found	6	0
		<i>Pseudomonas syringae</i>	1	0
		<i>Sclerotinia sclerotiorum</i>	1	0
		<i>Xanthomonas campestris</i>	1	0
		<i>Xanthomonas</i> sp./spp.	1	0
	Bacterial leaf spot	<i>Xanthomonas campestris</i>	1	0
	Downy mildew	<i>Hyaloperonospora parasitica</i>	1	0
Cantaloupe; Cantaloupe C = 12 H = 0	Gummy stem blight	<i>Didymella</i> sp./spp.	1	0
	Unknown	General	1	0
	Chemical injury	Abiotic disorder	1	0
	Nutritional pathology	Abiotic disorder	1	0
		<i>Alternaria</i> sp./spp.	1	0
		No Pathogen Found	5	0

		<i>Phytophthora capsici</i>	1	0
		Unknown cause	1	0
Carrot C = 1 H = 0		<i>Sclerotinia sclerotiorum</i>	1	0
Cauliflower C = 1 H = 0		<i>Xanthomonas sp./spp.</i>	1	0
Celery C = 1 H = 0		Unknown Bacterial Disease	1	0
Collards C = 7 H = 0		<i>Alternaria sp./spp.</i>	2	0
		<i>Cercospora sp./spp.</i>	1	0
		No Pathogen Found	4	0
Cowpea C = 1 H = 0		<i>Xanthomonas sp./spp.</i>	1	0
Cucumber C = 9 H = 2	Gummy stem blight	<i>Didymella sp./spp.</i>	1	0
	Cucurbit downy mildew	<i>Pseudoperonospora cubensis</i>	0	1
	Chemical injury	Abiotic disorder	1	0
	Herbicide injury; Exposure	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
		Cucumber Mosaic Virus (CMV)	1	0
		<i>Didymella bryoniae</i>	1	0
		<i>Erwinia (Pectobacterium) carotovora (um)</i>	1	0
		<i>Phytophthora sp./spp.</i>	1	0
		<i>Pseudomonas sp./spp.</i>	1	0
Eggplant C = 12 H = 0	Phomopsis blight	<i>Phomopsis sp./spp.</i>	1	0
	Anthracnose; Colletotrichum leaf spot	<i>Colletotrichum sp./spp.</i>	1	0
		No Pathogen Found	4	0
		<i>Phomopsis sp./spp.</i>	2	0
		<i>Phytophthora sp./spp.</i>	1	0
		<i>Rhizoctonia solani</i>	1	0
		Unknown cause	1	0
		Anthracnose	<i>Colletotrichum sp./spp.</i>	1
Garlic C = 0 H = 1	Sclerotinia rot	<i>Sclerotinia sclerotiorum</i>	0	1

Lettuce C = 1 H = 0		<i>Alternaria sp./spp.</i>	1	0
Onion C = 15 H = 1	Stemphylium leaf blight	<i>Stemphylium vesicarium</i>	1	0
	Bacterial blight	<i>Pseudomonas viridiflava</i>	1	0
	Leaf streak and bulb rot	<i>Pseudomonas viridiflava</i>	4	0
	Nutritional deficiency	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
		<i>Botrytis sp./spp.</i>	2	0
		<i>Erwinia (Pectobacterium) carotovora (um)</i>	1	0
		No Pathogen Found	1	0
		<i>Pantoea ananatis</i>	1	0
		<i>Pythium sp./spp.</i>	1	0
	Botrytis leaf blight	<i>Botrytis squamosa</i>	1	0
	Bacterial streak and bulb rot	<i>Pseudomonas viridiflava</i>	1	0
	Pepper C = 32 H = 3	Fusarium root; Crown rot	<i>Fusarium sp./spp.</i>	1
Alternaria leaf spot		<i>Alternaria sp./spp.</i>	0	1
Chemical; Environmental injury		Abiotic disorder	1	0
Environmental stress; Problem		Abiotic disorder	1	1
Tomato; Pepper bacterial spot		<i>Xanthomonas campestris</i>	1	0
Bacterial leaf spot		<i>Xanthomonas campestris</i>	3	0
Insufficient sample		<i>Identification Analysis</i>	1	0
		Abiotic disorder	1	0
		<i>Botrytis sp./spp.</i>	1	0
		<i>Fusarium sp./spp.</i>	5	0
		No Pathogen Found	5	0
		<i>Phytophthora capsici</i>	1	0
		<i>Phytophthora sp./spp.</i>	4	0
		<i>Rhizoctonia solani</i>	1	0
		<i>Rhizoctonia sp./spp.</i>	1	0
		Unknown cause	2	0
		<i>Xanthomonas sp./spp.</i>	1	0
Root problem		Unknown cause	0	1
Tomato spotted wilt (TSWV)		Tospovirus Tomato Spotted Wilt Virus	2	0
Potato C = 1 H = 5		Potato common scab	<i>Streptomyces scabies</i>	0
	Chemical injury	Abiotic disorder	0	2
	Early blight; Leaf spot	<i>Alternaria solani</i>	0	1
		No Pathogen Found	1	0
Snap Bean; Green Bean		No Pathogen Found	3	0

C = 8 H = 0		<i>Pythium sp./spp.</i>	2	0
		<i>Sclerotium rolfsii</i>	1	0
	Cucurbit leaf crumple (CuLCrV)	Begomovirus Cucurbit Leaf Crumple Virus	2	0
Southern peas; Cowpeas Blackeye Peas C = 1 H = 0		Unknown cause	1	0
Soybean C = 1 H = 0		No Pathogen Found	1	0
Spruce C = 1 H = 0		<i>Rhizoctonia solani</i>	1	0
Squash C = 24 H = 1	Cucurbit yellow vine disease	<i>Serratia marcescens</i>	1	0
	Cucurbit downy mildew	<i>Pseudoperonospora cubensis</i>	1	0
	Powdery mildew	<i>Erysiphe sp./spp.</i>	1	0
	Powdery mildew	<i>Sphaerotheca sp./spp.</i>	1	0
	Unknown	General	2	0
	Bacterial soft rot	<i>Erwinia sp./spp.</i>	1	0
	Unknown Abiotic disorder	Abiotic disorder	0	1
	No Virus Found	No Virus Found	1	0
		No Pathogen Found	2	0
		<i>Phytophthora capsici</i>	3	0
		<i>Pseudomonas sp./spp.</i>	2	0
		<i>Pseudomonas syringae</i>	1	0
		<i>Pythium sp./spp.</i>	1	0
		<i>Rhizoctonia solani</i>	1	0
		Unknown cause	1	0
		<i>Xanthomonas sp./spp.</i>	1	0
	Southern blight	<i>Sclerotium rolfsii</i>	1	0
	Cucurbit leaf crumple (CuLCrV)	Begomovirus Cucurbit Leaf Crumple Virus	1	0
	Tobacco streak (TSV)	Ilarvirus Tobacco Streak Virus	1	0
	Zucchini yellow mosaic (ZYMV)	Potyvirus Zucchini Yellow Mosaic Virus	1	0
Sweet Basil C = 1 H = 0		Begomovirus Group	1	0
Sweetpotato C = 2 H = 0	Sweetpotato scurf	<i>Monilochaetes infuscans</i>	1	0
		<i>Erwinia sp./spp.</i>	1	0

Tomato C = 29 H = 24	Unknown	General	0	2	
	Corynespora leaf spot	<i>Corynespora cassiicola</i>	1	0	
	Bacterial leaf spot	<i>Xanthomonas</i> sp./spp.	1	0	
	Chemical injury	Abiotic disorder	1	0	
	Herbicide injury; Exposure	Abiotic disorder	0	2	
	Cultural/environmental problem	Abiotic disorder	0	2	
	Environmental stress; Problem	Abiotic disorder	1	9	
	Unknown Abiotic disorder	Abiotic disorder	1	0	
	Septoria leaf blight	<i>Septoria lycopersici</i>	0	2	
	Bacterial wilt	<i>Ralstonia solanacearum</i>	4	0	
	Early blight; Leaf spot	<i>Alternaria solani</i>	2	0	
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	0	1	
	Tomato; Pepper bacterial spot	<i>Xanthomonas campestris</i>	2	0	
	Bacterial pathogens	General	0	2	
		<i>Alternaria</i> sp./spp.	1	0	
		<i>Botrytis</i> sp./spp.	1	0	
		<i>Cercospora</i> sp./spp.	1	0	
		No Pathogen Found	7	0	
		<i>Sclerotium rolfsii</i>	1	0	
		<i>Xanthomonas</i> sp./spp.	1	0	
		Bacterial leaf spot	<i>Xanthomonas campestris</i>	0	1
		Southern blight	<i>Sclerotium rolfsii</i>	0	1
		Leaf mold	<i>Passalora fulva</i>	0	1
		Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus	0	1
	Rhizoctonia crown and stem rot	<i>Rhizoctonia solani</i>	1	0	
		Begomovirus Tomato Yellow Leaf Curl Virus	2	0	
	Rhizopus sour rot	<i>Rhizopus</i>	1	0	
Turnip C = 2 H = 2	Chemical; Environmental injury	Abiotic disorder	1	0	
	Root problems	Abiotic disorder	0	1	
	White leaf spot	<i>Pseudocercospora albida</i>	0	1	
		<i>Rhizoctonia solani</i>	1	0	
Watermelon C = 208 H = 0	Anthrachnose	<i>Colletotrichum orbiculare</i>	1	0	
	Gummy stem blight	<i>Didymella</i> sp./spp.	18	0	
	Powdery mildew	<i>Erysiphe</i> sp./spp.	1	0	
	Fusarium wilt	<i>Fusarium oxysporum</i>	2	0	
	Unknown	General	2	0	
	Chemical injury	Abiotic disorder	1	0	
	Cultural/environmental problem	Abiotic disorder	1	0	
	Environmental stress; Problem	Abiotic disorder	5	0	
	Genetic disorders	Abiotic disorder	1	0	

	Physiological responses	Abiotic disorder	4	0
	Unknown Abiotic disorder	Abiotic disorder	1	0
	Soft rot	<i>Pseudomonas</i> sp./spp.	1	0
	Watermelon Fusarium wilt	<i>Fusarium oxysporum</i>	3	0
	No Virus Found	No Virus Found	1	0
	Insufficient sample	<i>Identification Analysis</i>	1	0
		Abiotic disorder	3	0
		<i>Colletotrichum</i> sp./spp.	2	0
		<i>Didymella bryoniae</i>	17	0
		<i>Erwinia</i> sp./spp.	1	0
		<i>Fusarium</i> sp./spp.	35	0
		<i>Macrophomina phaseolina</i>	1	0
		No Pathogen Found	66	0
		<i>Phytophthora capsici</i>	4	0
		<i>Pseudoperonospora cubensis</i>	2	0
		<i>Pythium</i> sp./spp.	20	0
		<i>Rhizoctonia solani</i>	1	0
		<i>Rhizoctonia</i> sp./spp.	4	0
		Unknown Agent	1	0
		Unknown cause	1	0
		<i>Xanthomonas</i> sp./spp.	1	0
	No Pathogen Found	<i>Identification Analysis</i>	1	0
	Root-knot nematodes	<i>Meloidogyne</i> sp./spp.	1	0
	Bacterial fruit blotch	<i>Acidovorax avenae</i>	1	0
		<i>Potyvirus</i> sp./spp.	1	0
	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus	1	0
	Powdery mildew	<i>Podosphaera fuliginea</i>	1	0
Zucchini Squash C = 5 H = 0	Powdery mildew	<i>Sphaerotheca</i> sp./spp.	1	0
		<i>Cercospora</i> sp./spp.	1	0
		No Pathogen Found	1	0
		<i>Pseudoperonospora cubensis</i>	1	0
		Unknown Agent	1	0

WOODY ORNAMENTALS

(Total Diagnoses 329: C=228; H=101)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Abelia C = 1 H = 0		<i>Phytophthora</i> sp./spp.	1	0
Arborvitae C = 5 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	2	0
		No Pathogen Found	1	0
		<i>Rhizoctonia</i> sp./spp.	2	0
Asiatic Jasmine C = 3 H = 0		<i>Phytophthora</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
	Southern blight	<i>Sclerotium rolfsii</i>	1	0
Azalea; Rhododendron C = 7 H = 7	Herbicide drift	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	3
	Leaf and flower gall	<i>Exobasidium</i> sp./spp.	0	1
	Rhizoctonia foliar/ aerial/ web blight	<i>Rhizoctonia solani</i>	1	0
		<i>Phytophthora</i> sp./spp.	3	0
		<i>Pseudocercospora</i> sp./spp.	3	0
	Root problem	Unknown cause	0	2
Boxwood C = 117 H = 13	Crown and root rot	<i>Phytophthora</i> sp./spp.	23	0
	Mites	Order Acari	1	0
	Boxwood leafminer	<i>Monarthropalpus flavus</i> (<i>buxi</i>)	3	0
	Cultural/environmental problem	Abiotic disorder	0	2
	Environmental stress; Problem	Abiotic disorder	0	11
	Scale insects	Order homoptera	2	0
	Boxwood Volutella blight; Canker	<i>Volutella buxi</i>	34	0
	Mite damage	Unidentified Mite	6	0
		<i>Colletotrichum</i> sp./spp.	19	0
		No Pathogen Found	8	0
		<i>Phytophthora</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
	Boxwood blight; Leaf and stem blight	<i>Calonectria pseudonaviculata</i>	10	0
	Root problem	Unknown cause	7	0
	Boxwood Macrophoma leaf spot	<i>Dothiorella candollei</i>	1	0
Stem canker	<i>Colletotrichum theobromicola</i>	1	0	
Boxwood Hybrids C = 1 H = 0	Boxwood blight; Leaf and stem blight	<i>Calonectria pseudonaviculata</i>	1	0
Broom		<i>Fusarium</i> sp./spp.	1	0

C = 3 H = 0		<i>Phytophthora</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Camellia C = 3 H = 4	Camellia leaf gall	<i>Exobasidium camelliae</i>	1	0
	Algal leaf spot	<i>Cephaleuros</i> sp./spp.	0	1
	Environmental stress; Problem	Abiotic disorder	0	2
	Scale insects	Order homoptera	0	1
		No Pathogen Found	1	0
	Root problem	Unknown cause	1	0
Cherry-laurel C = 2 H = 1	Cultural/environmental problem	Abiotic disorder	0	1
		No Pathogen Found	1	0
	Root problem	Unknown cause	1	0
Chinese Fringe Flower C = 1 H = 2	Unknown Abiotic disorder	Abiotic disorder	0	2
		<i>Pseudocercospora</i> sp./spp.	1	0
Chinese Fringe-flower C = 0 H = 3	Unknown	General	0	1
	Chemical injury	Abiotic disorder	0	1
	Armillaria root rot; Butt rot	<i>Armillaria</i> sp./spp.	0	1
Chinese Juniper C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Clematis C = 0 H = 1	Cultural/environmental problem	Abiotic disorder	0	1
Common Boxwood C = 6 H = 1	Boxwood Volutella blight; Canker	<i>Volutella buxi</i>	3	1
	Mite damage	Unidentified Mite	1	0
	Boxwood blight; Leaf and stem blight	<i>Calonectria pseudonaviculata</i>	2	0
Crape Myrtle C = 0 H = 3	Environmental stress; Problem	Abiotic disorder	0	1
	Scale insects	Order homoptera	0	1
	Sooty mold	Unidentified Fungus	0	1
Dogwood C = 1 H = 0		<i>Phytophthora</i> sp./spp.	1	0
Dwarf Heavenly Bamboo C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	2	0
Edging Boxwood C = 3	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Boxwood Volutella blight; Canker	<i>Volutella buxi</i>	1	0

H = 0	Boxwood blight; Leaf and stem blight	<i>Calonectria pseudonaviculata</i>	1	0
Empress of China Dogwood C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Phomopsis</i> sp./spp.	1	0
Falsecypress C = 4 H = 0	Twig blight	<i>Fusicoccum</i> sp./spp.	1	0
	Crown and root rot	<i>Phytophthora</i> sp./spp.	2	0
		<i>Phomopsis</i> sp./spp.	1	0
Flowering Cherry C = 0 H = 1	White peach scale	<i>Pseudaulacaspis pentagona</i>	0	1
Flowering Quince C = 3 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Botrytis</i> sp./spp.	1	0
		<i>Rhizoctonia solani</i>	1	0
Forsythia; Golden Bells C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Gardenia C = 3 H = 3	Environmental stress; Problem	Abiotic disorder	0	2
		Abiotic disorder	0	1
		<i>Phytophthora</i> sp./spp.	2	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Heavenly Bamboo C = 1 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
	Mite damage	Unidentified Mite	1	0
Holly C = 0 H = 7	Herbicide drift	Abiotic disorder	0	1
	Cultural/environmental problem	Abiotic disorder	0	2
	Environmental stress; Problem	Abiotic disorder	0	4
Honeysuckle C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Hops C = 1 H = 0	Mites	Order Acari	1	0
Hydrangea C = 9 H = 10	Powdery mildew	<i>Oidium</i> sp./spp.	1	0
	Crown and root rot	<i>Phytophthora</i> sp./spp.	2	1
	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	0	4
	Mites	Order Acari	1	0
	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	3
		Abiotic disorder	0	1

		<i>Cercospora</i> sp./spp.	1	0
		<i>Phytophthora</i> sp./spp.	1	0
		<i>Pseudocercospora</i> sp./spp.	1	0
		<i>Pythium</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Indian Hawthorn C = 1 H = 0		<i>Sphaeropsis</i> sp./spp.	1	0
Inkberry C = 3 H = 0	Sooty mold	Unidentified Fungus	1	0
		No Pathogen Found	1	0
	Root problem	Unknown cause	1	0
Japanese Aucuba C = 1 H = 0	Scale insects	Order homoptera	1	0
Japanese Black Pine C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Japanese Cleyera C = 1 H = 0	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	1	0
Japanese Holly C = 4 H = 3	Phytophthora stem rot	<i>Phytophthora</i> sp./spp.	0	1
	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
		<i>Colletotrichum</i> sp./spp.	1	0
		<i>Phytophthora</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
		<i>Sphaeropsis</i> sp./spp.	1	0
Japanese Privet C = 0 H = 1	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	0	1
Juniper C = 3 H = 9	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	7
		No Pathogen Found	2	0
	Root problem	Unknown cause	0	1
Leyland Cypress C = 0 H = 4	Root problems	Abiotic disorder	0	1
	Passalora leaf spot	<i>Passalora</i> sp./spp.	0	3
Ligustrum; Privet C = 4 H = 4	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	0	1
	Corynespora leaf spot	<i>Corynespora cassiicola</i>	1	0

	Herbicide drift	Abiotic disorder	0	2
	Environmental stress; Problem	Abiotic disorder	0	1
		No Pathogen Found	3	0
Lilac C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Loropetalum; Chinese Fringe Flower C = 2 H = 0		<i>Phytophthora</i> sp./spp.	1	0
		<i>Pseudocercospora</i> sp./spp.	1	0
Magnolia C = 0 H = 3	Environmental stress; Problem	Abiotic disorder	0	2
	Scale insects	Order homoptera	0	1
Mondograss; Dwarf Lily Turf C = 2 H = 0		Abiotic disorder	1	0
		<i>Phytophthora</i> sp./spp.	1	0
Myrtle-leaved Distylium C = 3 H = 0		<i>Colletotrichum</i> sp./spp.	1	0
		<i>Fusicoccum</i> sp./spp.	1	0
		<i>Phyllosticta</i> sp./spp.	1	0
North. White (American) Cedar C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	2	0
Oakleaf Hydrangea C = 0 H = 2	Environmental stress; Problem	Abiotic disorder	0	1
	Armillaria root rot; Butt rot	<i>Armillaria</i> sp./spp.	0	1
Oriental Arborvitae C = 1 H = 0	Needle cast; Blight	<i>Passalora sequoiae</i>	1	0
Osmanthus C = 0 H = 2	Environmental stress; Problem	Abiotic disorder	0	2
Photinia C = 0 H = 1	Cultural/environmental problem	Abiotic disorder	0	1
Pittosporum C = 1 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
	Leaf spot	<i>Pseudocercospora pittospori</i>	1	0

Plum-yew C = 1 H = 1	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Root problems	Abiotic disorder	0	1
Privet C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Rhododendron C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Rose C = 8 H = 4	Unknown	General	0	1
	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
		No Pathogen Found	2	0
	Rose rosette disease (RRV)	Emaravirus Rose Rosette Virus	3	2
Rose-of-sharon; Shrub-althea C = 0 H = 1	Black spot (Rose)	<i>Diplocarpon rosae</i>	2	0
	Environmental stress; Problem	Abiotic disorder	0	1
Sawara Falsecypress C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Spirea C = 1 H = 0		<i>Phomopsis</i> sp./spp.	1	0
		No Pathogen Found	1	0
Vaccinium (Ornamental) C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Vegetables C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Viburnum C = 4 H = 2	Environmental stress; Problem	Abiotic disorder	0	1
	Root problems	Abiotic disorder	0	1
		Environmental Stresses	1	0
		No Pathogen Found	3	0
Yellow anise C = 1 H = 0		<i>Colletotrichum</i> sp./spp.	1	0
Yellow anise	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0

C = 1 H = 0				
Yew C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1