

Plant Disease Clinic Annual Report 2019

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2019 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: 2019 PLANT SPECIMEN DIAGNOSES

Crop	Commercial Samples	Homeowner Samples	Total
Field Crops	132	1	133
Fruits and Nuts	306	38	344
Herbaceous Ornamentals	74	19	93
Miscellaneous	2	1	3
Trees	114	95	209
Turf	236	91	327
Vegetables	402	41	443
Woody Ornamentals	157	108	265
Total*	1423	394	1817

*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 Fruits and Nuts. The largest crop category for Homeowner clinic submissions was Woody Ornamentals and then Trees.

MONTHLY SAMPLE SUBMISSION SUMMARY: 2019

Month	Commercial Samples	Homeowner Samples
January	17	10
February	43	7
March	57	21
April	99	30
May	143	63
June	137	66
July	109	40
August	111	65
September	84	28
October	96	37
November	49	15
December	38	7
Total*	983	389

*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 2019

County	Samples		County	Samples		County	Samples
Appling	7		Elbert	6		Newton	1
Atkinson	10		Emanuel	2		Oconee	11
Bacon	26		Evans	3		Paulding	1
Banks	1		Floyd	11		Peach	3
Barrow	5		Forsyth	7		Pierce	30
Bartow	1		Fulton	42		Pike	5
Ben Hill	10		Grady	11		Pulaski	21
Berrien	17		Greene	1		Rabun	4
Bibb	8		Gwinnett	8		Richmond	14
Brooks	10		Habersham	1		Rockdale	2
Bryan	1		Harris	6		Screven	5
Bulloch	15		Hart	1		Seminole	2
Burke	6		Henry	1		Spalding	2
Calhoun	1		Houston	11		Sumter	13
Camden	1		Irwin	10		Tattnall	40
Candler	6		Jackson	14		Taylor	2
Carroll	13		Jeff Davis	10		Telfair	8
Chatham	3		Jefferson	3		Terrell	4
Cherokee	2		Johnson	2		Thomas	5
Clarke	29		Lanier	4		Tift	14
Clinch	15		Laurens	7		Toombs	9
Cobb	39		Liberty	1		Turner	10
Coffee	11		Lowndes	22		Union	3
Colquitt	93		Macon	2		Walker	2
Cook	28		Madison	1		Walton	13
Coweta	5		McDuffie	23		Wayne	8
Crisp	3		McIntosh	2		Webster	4
De Kalb	17		Meriwether	2		Wheeler	7
Decatur	3		Miller	3		White	2
Dodge	11		Mitchell	4		Wilcox	12
Dougherty	9		Montgomery	1		Wilkes	1
Douglas	3		Morgan	2		Worth	16
Early	1		Murray	8			
Echols	4		Muscogee	12			
Effingham	2		NA	60			

DISTRIBUTION OF HOMEOWNER SAMPLES SUBMITTED BY COUNTY FOR 2019

County	Samples		County	Samples
Appling	1		Henry	10
Barrow	6		Jasper	1
Ben Hill	2		Jeff Davis	1
Bibb	9		Jenkins	1
Bryan	2		Johnson	1
Bulloch	1		Lanier	1
Burke	1		Laurens	2
Butts	8		Lee	12
Camden	6		Liberty	1
Candler	1		Lincoln	1
Carroll	1		McDuffie	6
Catoosa	2		McIntosh	4
Charlton	4		Meriwether	7
Chatham	2		Morgan	29
Cherokee	4		Murray	3
Clarke	43		Muscogee	12
Clayton	3		Newton	1
Cobb	33		Oconee	5
Coweta	5		Paulding	1
Crawford	3		Pickens	6
De Kalb	5		Pierce	11
Decatur	2		Pike	9
Dodge	2		Pulaski	1
Dougherty	9		Rabun	1
Douglas	1		Rockdale	12
Effingham	1		Screven	3
Fayette	1		Stephens	1
Forsyth	3		Tift	3
Franklin	3		Towns	2
Fulton	29		Troup	3
Glynn	2		Twiggs	2
Greene	6		Union	3
Gwinnett	8		Walton	3
Habersham	1		Ware	8
Hall	5		White	1
Harris	1		Wilkes	1
Hart	2		Worth	2

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 133: C=132; H=1)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Alfalfa C = 2 H = 0	Alfalfa common leaf spot	<i>Pseudopeziza medicaginis</i>	1	0
		<i>Rhizoctonia sp./spp.</i>	1	0
Bermudagrass C = 3 H = 0	Rust	<i>Uromyces sp./spp.</i>	1	0
	Leaf spot	<i>Bipolaris sp./spp.</i>	1	0
Common Wheat C = 3 H = 0	Insects	Class insecta	1	0
	Scab	<i>Fusarium sp./spp.</i>	1	0
Common Wheat C = 3 H = 0	Cultural/environmental problem	Abiotic disorder	1	0
	Sooty mold	Unidentified Fungus	1	0
Corn C = 19 H = 0	Unknown	General	2	0
	Chemical injury	Abiotic disorder	3	0
	Scorch	Abiotic disorder	1	0
	Southern corn rust	<i>Puccinia polysora</i>	1	0
		No Pathogen Found	4	0
	No pathogen found	Identification Analysis	1	0
	Southern leaf blight	<i>Bipolaris maydis</i>	4	0
	Northern corn leaf spot	<i>Bipolaris zeicola</i>	1	0
Northern corn leaf blight; Leaf spot	<i>Exserohilum turcicum</i>	2	0	
Cotton C = 44 H = 0	Fusarium wilt	<i>Fusarium oxysporum</i>	2	0
	Unknown	General	1	0
	Alternaria leaf spot	<i>Alternaria sp./spp.</i>	2	0
	Cercospora leaf spot	<i>Cercospora sp./spp.</i>	2	0
	Stemphylium leaf spot	<i>Stemphylium sp./spp.</i>	4	0
	Threecornered alfalfa hopper	<i>Spissistilus festinus</i>	1	0
	Chemical injury	Abiotic disorder	1	0
	Nutritional deficiency	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	1	0
Magnesium deficiency	Abiotic disorder	2	0	

	Cotton Fusarium wilt	<i>Fusarium oxysporum</i>	2	0
	Nematode damage	Unidentified Nematode	1	0
	Additional sample requested	Identification Analysis	2	0
		<i>Corynespora</i> sp./spp.	2	0
		No Pathogen Found	9	0
		<i>Rhizoctonia solani</i>	2	0
		<i>Sclerotium rolfsii</i>	1	0
		Unknown Agent	1	0
		Unknown cause	2	0
		Viruses	1	0
	No pathogen found	Identification Analysis	1	0
		<i>Ramularia gossypii</i>	1	0
	Root problem	Unknown cause	1	0
	Target spot	<i>Corynespora cassiicola</i>	1	0
Grain Sorghum C = 1 H = 0	Anthracoze	<i>Colletotrichum graminicola</i>	1	0
Oats C = 2 H = 0	Tan spot	<i>Drechslera</i> sp./spp.	1	0
	Barley yellow dwarf (BYDV-MAV)	Luteovirus Barley Yellow Dwarf Virus	1	0
Orchardgrass C = 1 H = 0	Leaf blight	Various Fungi	1	0
Peanut C = 30 H = 0	Diplodia collar rot	<i>Diplodia gossypina</i>	1	0
	Aspergillus crown rot	<i>Aspergillus niger</i>	2	0
	Southern stem rot	<i>Sclerotium rolfsii</i>	3	0
	Chemical injury	Abiotic disorder	3	0
		No Pathogen Found	10	0
		<i>Rhizoctonia solani</i>	1	0
		Unknown cause	1	0
	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus	7	0
	Peanut late leaf spot	<i>Passalora personata</i>	1	0
	Peanut early leaf spot	<i>Passalora arachidicola</i>	1	0
Pear C = 1 H = 0	Southern stem rot	<i>Sclerotium rolfsii</i>	1	0
Pecan C = 1 H = 0	Anthracoze	<i>Glomerella</i> sp./spp.	1	0

Soybean C = 10 H = 0	Charcoal rot	<i>Macrophomina sp./spp.</i>	1	0
	Southern stem rot	<i>Sclerotium rolfsii</i>	1	0
	Phytotoxicity	Abiotic disorder	1	0
	Soybean bacterial pustule	<i>Xanthomonas axonopodis</i>	1	0
		No Pathogen Found	1	0
		<i>Rhizoctonia solani</i>	1	0
		<i>Septoria sp./spp.</i>	1	0
		Unknown cause	2	0
	Root rot	<i>Phytophthora sp./spp.</i>	1	0
Sugarcane C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Tobacco (Flue-cured) C = 13 H = 0	Black shank	<i>Phytophthora nicotianae</i>	3	0
		<i>Candida albicans</i>	1	0
		No Pathogen Found	4	0
	Frogeye leaf spot	<i>Cercospora physalidis</i>	1	0
	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus	3	0
	Seedling diseases	<i>Rhizoctonia solani</i>	1	0
Tomato C = 1 H = 0	Insufficient sample	Identification Analysis	1	0
Wheat C = 1 H = 0	Nutritional deficiency	Abiotic disorder	1	0

FRUITS AND NUTS

(Total Diagnoses 344: C=306; H=38)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Banana C = 0 H = 1	Unknown abiotic disorder	Abiotic disorder	0	1
Blackberry C = 35 H = 2	Cane blotch	<i>Cephaleuros</i> sp./spp.	2	0
	Crown gall	<i>Agrobacterium</i> sp./spp.	1	0
	Downy mildew	<i>Peronospora</i> sp./spp.	1	0
	Orange rust	<i>Gymnoconia nitens</i>	1	0
	Algal leaf spot	<i>Cephaleuros virescens</i>	0	1
	Cultural/environmental problem	Abiotic disorder	0	1
	Cane and leaf rust	<i>Kuehneola</i> sp./spp.	3	0
		<i>Botryosphaeria</i> sp./spp.	1	0
		<i>Colletotrichum</i> sp./spp.	1	0
		<i>Coniothyrium</i> sp./spp.	1	0
		<i>Fusicoccum</i> sp./spp.	1	0
		<i>Leptosphaeria</i> sp./spp.	3	0
		<i>Phytophthora</i> sp./spp.	10	0
		<i>Pseudocercospora</i> sp./spp.	6	0
		<i>Rhizoctonia</i> sp./spp.	3	0
	<i>Sphaeropsis</i> sp./spp.	1	0	
Blueberry C = 138 H = 5	Unknown	General	1	0
	Phyllosticta leaf spot	<i>Phyllosticta</i> sp./spp.	1	0
	Chemical injury	Abiotic disorder	5	0
	Chemical; Environmental injury	Abiotic disorder	1	0
	Nutritional deficiency	Abiotic disorder	3	0
	Nutrient imbalance	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	2
	Oedema; Edema	Abiotic disorder	1	0
	Unidentified fungus	Unidentified fungus	1	0
	Sooty mold	Unidentified Fungus	1	0
	Insect damage	Unidentified Insect	3	0
	Mite damage	Unidentified Mite	1	0
		<i>Alternaria</i> sp./spp.	1	0
		Blueberry Necrotic Ring Blotch Disorder virus suspected	1	0
		<i>Botryosphaeria</i> sp./spp.	8	0
		<i>Cercospora</i> sp./spp.	1	0
		<i>Cladosporium</i> sp./spp.	3	0

		<i>Colletotrichum</i> sp./spp.	5	0
		Environmental Stresses	4	0
		<i>Fusicoccum</i> sp./spp.	2	0
		<i>Leptosphaeria</i> sp./spp.	2	0
		<i>Pestalotia</i> sp./spp.	1	0
		<i>Phomopsis</i> sp./spp.	2	0
		<i>Phyllosticta</i> sp./spp.	3	0
		<i>Phytophthora cinnamomi</i>	35	0
		<i>Phytophthora</i> sp./spp.	1	0
		<i>Pucciniastrum</i> sp./spp.	5	0
		<i>Rhizoctonia</i> sp./spp.	33	0
		Unknown Agent	1	0
		Unknown cause	1	0
	Crown rot; Root rot; Stem rot	<i>Phytophthora</i> sp./spp.	0	1
	Root problem	Unknown cause	8	1
	Phytophthora root and crown rot	<i>Phytophthora cinnamomi</i>	1	0
	Bacterial leaf scorch	<i>Xylella fastidiosa</i>	2	0
Cherry C = 0 H = 1	Brown rot	<i>Monilia</i> sp./spp.	0	1
Citrus C = 9 H = 0	Nutritional deficiency	Abiotic disorder	1	0
	Insect damage	Unidentified Insect	1	0
		<i>Alternaria</i> sp./spp.	1	0
		<i>Colletotrichum</i> sp./spp.	4	0
		<i>Mycosphaerella</i> sp./spp.	1	0
	Root problem	Unknown cause	1	0
Common Apple C = 7 H = 4	Plum Curculio	<i>Conotrachelus nenuphar</i>	0	1
	Chemical injury	Abiotic disorder	0	1
	Cedar-apple rust	<i>Gymnosporangium juniperi-virginianae</i>	1	0
	Insect damage	Unidentified Insect	0	1
		<i>Botryosphaeria</i> sp./spp.	1	0
		Environmental Stresses	1	0
		<i>Fusicoccum</i> sp./spp.	1	0
		<i>Phomopsis</i> sp./spp.	1	0
		Unknown cause	2	0
	Apple scab	<i>Venturia inaequalis</i>	0	1
Common Fig C = 0 H = 4	Unknown	General	0	1
	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	2

Grape C = 23 H = 2	Bitter rot	<i>Greeneria uvicola</i>	1	0	
	Chemical; Environmental injury	Abiotic disorder	1	0	
	Environmental stress; Problem	Abiotic disorder	0	1	
	Poor pollination	Abiotic disorder	0	1	
		<i>Alternaria sp./spp.</i>	2	0	
		<i>Botryosphaeria sp./spp.</i>	1	0	
		<i>Cladosporium sp./spp.</i>	5	0	
		<i>Phytophthora sp./spp.</i>	2	0	
		Saprophytic Fungi and Yeasts	4	0	
		Thrips sp./spp.	4	0	
		Unknown cause	1	0	
		Armillaria root rot	<i>Armillaria sp./spp.</i>	1	0
		Black rot	<i>Phyllosticta ampellicida</i>	1	0
Japanese Pear C = 2 H = 0	Fruit flies	Family <i>Drosophilidae</i>	1	0	
		Saprophytic Fungi and Yeasts	1	0	
Japanese Persimmon C = 3 H = 0	Phomopsis blight	<i>Phomopsis sp./spp.</i>	1	0	
	Unknown	General	1	0	
	Mite damage	Unidentified Mite	1	0	
Lemon C = 0 H = 2	Mites	Order Acari	0	1	
	Insect damage	Unidentified Insect	0	1	
Loquat C = 0 H = 1	Cultural/environmental problem	Abiotic disorder	0	1	
Mango C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1	
Muscadine Grape C = 5 H = 0	Ripe rot	<i>Colletotrichum sp./spp.</i>	1	0	
		<i>Phyllosticta sp./spp.</i>	1	0	
		Unidentified Insect	1	0	
		Unknown Agent	1	0	
	Unknown cause	1	0		
Oleander C = 1 H = 0		<i>Colletotrichum sp./spp.</i>	1	0	
Peach	Cultural/environmental problem	Abiotic disorder	0	1	

C = 2 H = 3				
	Environmental stress; Problem	Abiotic disorder	0	1
	Insect damage	Unidentified Insect	0	1
	Brown rot; Blossom blight; Fruit rot	<i>Monilinia</i> sp./spp.	1	0
	San jose scale	<i>Diaspidiotus perniciosus</i>	1	0
Pear C = 2 H = 5	Fire blight	<i>Erwinia amylovora</i>	0	1
	Environmental stress; Problem	Abiotic disorder	0	2
	Unknown abiotic disorder	Abiotic disorder	0	1
	Cedar-quince rust	<i>Gymnosporangium clavipes</i>	0	1
		<i>Colletotrichum</i> sp./spp.	1	0
		Environmental Stresses	1	0
Pecan C = 11 H = 1	Pecan leaf Phylloxera	<i>Phylloxera notabilis</i>	1	0
	Zinc deficiency	Abiotic disorder	1	0
		No Pathogen Found	4	0
	Pecan; Hickory scab	<i>Fusicladium caryigenum</i>	2	1
	Bacterial leaf scorch	<i>Xylella fastidiosa</i>	2	0
	Anthracnose	<i>Colletotrichum</i> sp./spp.	1	0
Persimmon (Ornamental) C = 0 H = 3	Unknown	General	0	1
	Moss	General	0	1
	Cultural/environmental problem	Abiotic disorder	0	1
Plum C = 0 H = 3	Cultural/environmental problem	Abiotic disorder	0	1
	Black knot	<i>Apiosporina morbosa</i>	0	1
	Root problem	Unknown cause	0	1
Pomegranate C = 30 H = 0	Unknown	General	3	0
	Penicillium fruit rot	<i>Penicillium</i> sp./spp.	1	0
	Thrips	Thrips sp./spp.	1	0
	Chemical; Environmental injury	Abiotic disorder	1	0
	Unidentified fungus	Unidentified fungus	2	0
	Unidentified bacteria	Unidentified Bacteria	1	0
	Insect damage	Unidentified Insect	3	0
	Mite damage	Unidentified Mite	1	0
		<i>Alternaria</i> sp./spp.	2	0
		<i>Botryosphaeria</i> sp./spp.	1	0
		<i>Cladosporium</i> sp./spp.	1	0
		<i>Colletotrichum</i> sp./spp.	6	0
	<i>Fusicoccum</i> sp./spp.	1	0	
	<i>Leptosphaeria</i> sp./spp.	1	0	

		<i>Phytophthora</i> sp./spp.	2	0
		Unknown Agent	1	0
		Unknown cause	2	0
Satsuma Tangerine C = 11 H = 0	Graft failure	Abiotic disorder	1	0
	Root rot	Various Fungi	1	0
		<i>Alternaria</i> sp./spp.	1	0
		<i>Colletotrichum</i> sp./spp.	1	0
		<i>Phytophthora cinnamomi</i>	1	0
		<i>Phytophthora</i> sp./spp.	3	0
		<i>Rhizoctonia</i> sp./spp.	3	0
Strawberry C = 27 H = 0	Powdery mildew	<i>Oidium</i> sp./spp.	1	0
	Powdery mildew	<i>Sphaerotheca</i> sp./spp.	1	0
	Phomopsis leaf spot	<i>Phomopsis</i> sp./spp.	1	0
	Mites	Order Acari	2	0
	Spider mites	Family Tetranychidae	3	0
	Phytophthora root and crown rot	<i>Phytophthora cactorum</i>	2	0
	Mite damage	Unidentified Mite	1	0
		<i>Alternaria</i> sp./spp.	1	0
		<i>Cercospora</i> sp./spp.	1	0
		<i>Cladosporium</i> sp./spp.	2	0
		Environmental Stresses	1	0
		<i>Phytophthora cactorum</i>	3	0
		<i>Phytophthora</i> sp./spp.	1	0
		<i>Rhizopus</i> sp./spp.	1	0
		Saprophytic Fungi and Yeasts	3	0
		<i>Botrytis cinerea</i>	2	0
	Leaf scorch	<i>Diplocarpon fragariae</i>	1	0

HERBACEOUS ORNAMENTALS
(Total Diagnoses 93: C=74; H=19)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Algerian Ivy C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
American Ginseng C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	2	0
Begonia C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		No Pathogen Found	1	0
Black Mondo Grass C = 0 H = 3	Environmental stress; Problem	Abiotic disorder	0	3
Blue sedge C = 2 H = 0	Leaf rust; Rust	<i>Puccinia</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Butterflyweed C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Chrysanthemum C = 1 H = 0		No Pathogen Found	1	0
Coleus C = 1 H = 0		No Pathogen Found	1	0
Creeping Jenny C = 0 H = 3	Root problems	Abiotic disorder	0	1
	Root rot	<i>Rhizoctonia</i> sp./spp. <i>Phytophthora</i> sp./spp.	0 0	1 1
Creeping Phlox C = 1 H = 0		No Pathogen Found	1	0
Crowfoot; Buttercup (Ornamental) C = 2	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Botrytis</i> sp./spp.	1	0

H = 0				
English Ivy C = 2 H = 0		<i>Colletotrichum</i> sp./spp.	1	0
		<i>Phytophthora</i> sp./spp.	1	0
Fountain Grass C = 1 H = 0		<i>Rhizoctonia</i> sp./spp.	1	0
Ground Morning Glory C = 0 H = 1	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	0	1
Hellebore C = 0 H = 3	Unknown	General	0	1
	Downy mildew	<i>Peronospora pulveracea</i>	0	2
Helleborus Hybrid C = 2 H = 0	Downy mildew	<i>Peronospora pulveracea</i>	1	0
	Foliar nematodes	<i>Aphelenchoides</i> sp./spp.	1	0
Hibiscus C = 1 H = 0	Root rot	<i>Phytophthora</i> sp./spp.	1	0
Hops C = 1 H = 0		No Pathogen Found	1	0
Hosta C = 10 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
		<i>Colletotrichum</i> sp./spp.	1	0
		No Pathogen Found	3	0
		<i>Phytophthora</i> sp./spp.	4	0
		<i>Rhizoctonia</i> sp./spp.	1	0
	Hosta virus X (HVX)	<i>Potexvirus Hosta Virus X</i>	1	0
Iris C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Jade Plant C = 0 H = 1	Unknown abiotic disorder	Abiotic disorder	0	1
Lavender C = 8 H = 1	Rhizoctonia crown and stem rot	<i>Rhizoctonia</i> sp./spp.	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
		<i>Botrytis</i> sp./spp.	2	0

		<i>Phytophthora</i> sp./spp.	1	0
		<i>Pythium</i> sp./spp.	2	0
	Root rot	<i>Phytophthora</i> sp./spp.	2	0
Lavender Bell C = 1 H = 0		<i>Cucumber Mosaic Virus (CMV)</i>	1	0
Lupine C = 2 H = 0		<i>Colletotrichum</i> sp./spp.	1	0
		<i>Phytophthora</i> sp./spp.	1	0
Madagascar periwinkle; Vinca C = 2 H = 0	Phytophthora blight; Dieback	<i>Phytophthora nicotianae</i>	2	0
Marigold C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Mondograss; Dwarf Lily Turf C = 2 H = 0		<i>Phytophthora</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Moonflower C = 0 H = 1	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	0	1
Multiple hosts C = 2 H = 0		<i>Botrytis</i> sp./spp.	1	0
New Guinea Impatiens C = 2 H = 0		<i>Rhizoctonia</i> sp./spp.	1	0
		No Pathogen Found	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Pansy C = 4 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Botrytis</i> sp./spp.	1	0
		<i>Phytophthora</i> sp./spp.	1	0
	Black root rot	<i>Berkeleyomyces basicola</i>	1	0
Pentas C = 1 H = 0	Phytophthora blight; Dieback	<i>Phytophthora nicotianae</i>	1	0
Petchoa C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0

Phalaenopsis Orchid C = 0 H = 1	Unidentified virus	Unidentified Virus	0	1
Purple Lovegrass C = 3 H = 0		<i>Phytophthora sp./spp.</i>	1	0
	Rust	<i>Rhizoctonia sp./spp.</i> <i>Uromyces eragrostidis</i>	1	0
Red-hot Poker C = 1 H = 0		<i>Phytophthora sp./spp.</i>	1	0
Rockcress C = 1 H = 0	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus	1	0
Roselle C = 2 H = 0		<i>Rhizoctonia sp./spp.</i>	1	0
	Root rot	<i>Phytophthora sp./spp.</i>	1	0
Salvia; Sage C = 1 H = 0	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
Sky Flower; Golden Dewdrop C = 2 H = 0	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
		<i>Rhizoctonia sp./spp.</i>	1	0
Soft Rush C = 3 H = 0		<i>Colletotrichum sp./spp.</i>	1	0
		<i>Phytophthora sp./spp.</i> <i>Rhizoctonia sp./spp.</i>	1	0
Stonecrop C = 1 H = 0		<i>Pythium sp./spp.</i>	1	0
Unknown; No Site Specified C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Violas (Violet; Pansy) C = 1 H = 0	Black root rot	<i>Berkeleyomyces basicola</i>	1	0
Water Hyacinth C = 0 H = 1	Root problems	Abiotic disorder	0	1

Yucca C = 3 H = 0		<i>Pythium</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
	Anthracnose	<i>Colletotrichum</i> sp./spp.	1	0

MISCELLANEOUS

(Total Diagnoses 3: C=2; H=1)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Leyland Cypress C = 1 H = 0		No Pathogen Found	1	0
Sunflower C = 1 H = 0	Sunflower leaf blight; Stem spot	<i>Alternariaster helianthi</i>	1	0
Unknown; No Site Specified C = 0 H = 1		No Pathogen Found	0	1

TREES

(Total Diagnoses 209: C=114; H=95)

HOST	DISEASE	CAUSAL ORGANISM	C	H
American Sycamore C = 0 H = 1	Wound canker	Abiotic disorder	0	1
Arborvitae C = 12 H = 12	Rhizoctonia stem and root rot	<i>Rhizoctonia sp./spp.</i>	1	0
	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Bagworm moths	Family Psychidae	0	1
	Environmental stress; Problem	Abiotic disorder	0	10
	Sooty mold	Unidentified Fungus	0	1
	Wood decay fungus	Unidentified Fungus	1	0
		No Pathogen Found	3	0
	Needle cast; Blight	<i>Passalora sequoiae</i>	1	0
	Root problem	Unknown cause	2	0
	Seiridium canker	<i>Seiridium unicorne</i>	3	0
	Black Gum C = 1 H = 0		Unidentified Canker	1
Blue Spruce C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Centipedegrass C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Cherry C = 1 H = 2	Eriophyid mites	<i>Family Eriophyidae</i>	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
Chinese Elm C = 1 H = 1		<i>Leptosphaeria sp./spp.</i>	1	0
	Wound canker	Abiotic disorder	0	1
		No Pathogen Found	1	0
Common Apple C = 0 H = 3	Putnam scale	<i>Diaspidiotus ancyllus</i>	0	1
	Oystershell scale	<i>Lepidosaphes ulmi</i>	0	1
	San jose scale	<i>Diaspidiotus perniciosus</i>	0	1
Crabapple C = 1		No Pathogen Found	1	0

H = 0					
Crape Myrtle C = 0 H = 2	Environmental stress; Problem	Abiotic disorder	0	1	
	Powdery mildew	<i>Erysiphe australiana</i>	0	1	
Cryptomeria C = 4 H = 4	Environmental stress; Problem	Abiotic disorder	0	3	
	Unknown abiotic disorder	Abiotic disorder	0	1	
		<i>Phytophthora sp./spp.</i>	1	0	
		<i>Passalora sp./spp.</i>	1	0	
	Root problem	Unknown cause	1	0	
	Cypress canker	<i>Leptotypha cupressi</i>	1	0	
Deodar Cedar C = 1 H = 1	Environmental stress; Problem	Abiotic disorder	0	1	
	Root rot	<i>Phytophthora sp./spp.</i>	1	0	
Dogwood C = 0 H = 4	Cercospora leaf spot	<i>Cercospora sp./spp.</i>	0	1	
	Chemical injury	Abiotic disorder	0	1	
	Environmental stress; Problem	Abiotic disorder	0	1	
	Spot anthracnose	<i>Elsinoe corni</i>	0	1	
Eastern Red Cedar C = 0 H = 2	Environmental stress; Problem	Abiotic disorder	0	2	
Eastern Redbud C = 1 H = 0		No Pathogen Found	1	0	
Elm C = 2 H = 1	Woodpeckers	Family Picidae	0	1	
		No Pathogen Found	1	0	
English Oak C = 1 H = 0		Root rot	<i>Phytophthora sp./spp.</i>	1	0
		No Pathogen Found	1	0	
English Walnut; Persian Walnut C = 1 H = 0					
		<i>Pseudocercospora sp./spp.</i>	1	0	
European Hornbeam C = 2 H = 0		Environmental Stresses	1	0	
		Anthracnose	<i>Monostichella sp./spp.</i>	1	0
Falsecypress	Environmental stress; Problem	Abiotic disorder	0	1	

C = 0 H = 1				
Flowering Cherry C = 2 H = 0		<i>Cercospora sp./spp.</i>	1	0
	Root rot	<i>Phytophthora sp./spp.</i>	1	0
Flowering Dogwood C = 1 H = 0		<i>Fusicoccum sp./spp.</i>	1	0
Franklinia C = 1 H = 0	Root rot	<i>Phytophthora sp./spp.</i>	1	0
Fringe Tree C = 2 H = 0		<i>Botryosphaeria sp./spp.</i>	1	0
	Unspecified pathology	<i>Pleospora sp./spp.</i>	1	0
Ginkgo C = 0 H = 1	Wound canker	Abiotic disorder	0	1
Green Giant Arborvitae C = 2 H = 0	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
		No Pathogen Found	1	0
Hemlock C = 2 H = 2	Environmental stress; Problem	Abiotic disorder	0	2
		<i>Phytophthora sp./spp.</i>	1	0
		<i>Rhizoctonia sp./spp.</i>	1	0
Hinoki Falsecypress C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Italian Cypress C = 4 H = 1	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
		<i>Botryosphaeria sp./spp.</i>	1	0
	Root problem	Unknown cause	1	0
	Seiridium canker	<i>Seiridium unicorne</i>	1	0
Japanese Black Pine C = 2 H = 0	Lophodermium leaf spot; Needle cast	<i>Lophodermium sp./spp.</i>	1	0
	Diplodia tip blight; Canker	<i>Diplodia sapinea</i>	1	0

Japanese Cedar C = 1 H = 0		Secondary Agents; Saprophytes; Unspecif.	1	0
Japanese Flowering Cherry C = 1 H = 0	Leaf blight and spot; Shothole	<i>Blumeriella jaapii</i>	1	0
Japanese Maple C = 9 H = 6	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	1
	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	3
	Unknown abiotic disorder	Abiotic disorder	0	1
	Dieback; Canker; Twig blight	<i>Botryosphaeria sp./spp.</i>	1	0
		<i>Colletotrichum sp./spp.</i>	1	0
		<i>Fusicoccum sp./spp.</i>	1	0
		No Pathogen Found	1	0
	Root rot	<i>Phytophthora sp./spp.</i>	4	0
Leyland Cypress C = 10 H = 12	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	9
		<i>Phytophthora sp./spp.</i>	3	0
	Passalora leaf spot	<i>Passalora sp./spp.</i>	0	2
	Needle cast; Blight	<i>Passalora sequoiae</i>	3	0
	Seiridium canker	<i>Seiridium unicorne</i>	4	0
Live Oak C = 2 H = 0		No Pathogen Found	1	0
		<i>Sphaeropsis sp./spp.</i>	1	0
Longleaf Pine C = 1 H = 0		<i>Pythium sp./spp.</i>	1	0
Magnolia C = 0 H = 5	Environmental stress; Problem	Abiotic disorder	0	4
	Leaf spot	Unknown cause	0	1
Maple C = 2 H = 2	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
	Wound canker	Abiotic disorder	0	1
		No Pathogen Found	1	0
North. White (American) Cedar	Needle cast; Blight	<i>Passalora sequoiae</i>	1	0

C = 1 H = 0				
Nuttall Oak C = 2 H = 0	Anthracnose	<i>Apiognomonina</i> sp./spp.	1	0
Oak C = 2 H = 15	Bacterial leaf scorch	<i>Xylella fastidiosa</i>	1	0
	Unknown	General	0	2
	Herbicide injury; Exposure	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
	Wound canker	Abiotic disorder	0	3
	Insect gall	Insect Gall	0	1
	Leaf spot	<i>Tubakia</i> sp./spp.	0	5
		<i>Septobasidium</i> sp./spp.	1	0
		<i>Tubakia</i> sp./spp.	1	0
	Pine oak gall rust	<i>Cronartium quercuum</i>	0	1
Leaf spot	Unknown cause	0	1	
Oriental Arborvitae C = 1 H = 0	Needle cast; Blight	<i>Passalora sequoiae</i>	1	0
Peach C = 0 H = 1	Unknown	General	0	1
Pecan C = 1 H = 0		No Pathogen Found	1	0
Pin Oak C = 0 H = 1	Leaf spot	<i>Tubakia</i> sp./spp.	0	1
Pine C = 2 H = 3	Unknown	General	0	1
	Algae	General	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
	Scale insects	Order homoptera	1	0
	No Pathogen Found	1	0	
Purpleleaf Plum C = 1 H = 0		<i>Colletotrichum</i> sp./spp.	1	0
Red Maple C = 8 H = 2	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Corynespora leaf spot	<i>Corynespora</i> sp./spp.	0	1
		<i>Botryosphaeria</i> sp./spp.	2	0

		<i>Cristulariella</i> sp./spp.	0	1
		<i>Phomopsis</i> sp./spp.	1	0
		<i>Pseudocercospora</i> sp./spp.	1	0
		<i>Sphaeropsis</i> sp./spp.	2	0
		<i>Phloeospora</i> sp./spp.	1	0
Redbud C = 2 H = 0	Verticillium wilt	<i>Verticillium</i> sp./spp.	1	0
		<i>Fusicoccum</i> sp./spp.	1	0
Sabal Palm; Fan Palm C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Sassafras C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	2	0
Sawtooth Oak C = 2 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
		<i>Entomosporium</i> sp./spp.	1	0
		<i>Pestalotia</i> sp./spp.	1	0
Scarlet Oak C = 1 H = 0		<i>Tubakia</i> sp./spp.	1	0
Shumard Oak; Texas Oak; Spanish Oak C = 1 H = 0	Trunk decay; Rot	Unidentified fungus	1	0
Southern Magnolia C = 4 H = 0	Algal leaf spot	<i>Cephaleuros virescens</i>	1	0
	Scale insects	Order homoptera	1	0
		<i>Colletotrichum</i> sp./spp.	1	0
	Root problem	Unknown cause	1	0
Sugar Hackberry C = 1 H = 0		<i>Fusarium</i> sp./spp.	1	0
Sugar Maple C = 2 H = 0		No Pathogen Found	1	0
	Anthracoese	<i>Monostichella</i> sp.	1	0
Swamp White Oak C = 1 H = 0	Bacterial leaf scorch	<i>Xylella fastidiosa</i>	1	0

Sweetgum C = 2 H = 0		<i>Fusicoccum</i> sp./spp.	1	0
	Canker; Stem rot	<i>Lasiodiplodia theobromae</i>	1	0
Trident Maple C = 2 H = 0		<i>Phomopsis</i> sp./spp.	1	0
		<i>Phytophthora</i> sp./spp.	1	0
Tulip Tree C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Unknown; No Site Specified C = 0 H = 1	Wood decay fungus	Unidentified Fungus	0	1
Water Oak C = 2 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
		<i>Tubakia</i> sp./spp.	1	0
	Southern fusiforme rust	<i>Cronartium quercuum</i>	1	0
Weeping Willow C = 1 H = 0		<i>Cladosporium</i> sp./spp.	1	0
Western Red Cedar C = 1 H = 0		No Pathogen Found	1	0
White Oak C = 2 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
	Bacterial wetwood; Slime flux	Various Pathogens	1	0
		No Pathogen Found	1	0
Willow C = 0 H = 1	Cultural/environmental problem	Abiotic disorder	0	1

TURF

(Total Diagnoses 327: C=236; H=91)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Bentgrass C = 24 H = 0	Nematodes; General plant	Order Tylenchida	1	0
	Anthracnose	<i>Colletotrichum cereale</i>	8	0
	Pythium root and/or crown rot	<i>Pythium sp./spp.</i>	13	0
	Root rot	Various Fungi	1	0
		No Pathogen Found	1	0
Bermudagrass C = 24 H = 0	Nematodes; General plant	Order Tylenchida	5	0
	Cultural/environmental problem	Abiotic disorder	1	0
	Soil compaction	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	2	0
	Root problems	Abiotic disorder	1	0
	Leaf spot	<i>Bipolaris sp./spp.</i>	3	0
	Pythium root and/or crown rot	<i>Pythium sp./spp.</i>	6	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	2	0
	Root rot	Various Fungi	1	0
		<i>Bipolaris sp./spp.</i>	1	0
	<i>Rhizoctonia sp./spp.</i>	1	0	
Bermudagrass C = 36 H = 14	Melting out (Turfgrass)	<i>Drechslera sp./spp.</i>	2	0
	Nematodes; General plant	Order Tylenchida	2	0
	Cultural/environmental problem	Abiotic disorder	4	2
	Nutritional deficiency	Abiotic disorder	1	0
	Soil compaction	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	1	11
	Poor root development	Abiotic disorder	1	0
	Anthracnose	<i>Colletotrichum cereale</i>	1	0
	Leaf spot	<i>Bipolaris sp./spp.</i>	1	0
	Pythium root and/or crown rot	<i>Pythium sp./spp.</i>	1	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	4	0
	Root rot	Various Fungi	6	0
		<i>Bipolaris sp./spp.</i>	2	0
		<i>Rhizoctonia sp./spp.</i>	1	0
	Slime mold	<i>Physarum cinereum</i>	1	0
	Large patch	<i>Rhizoctonia solani</i>	7	0
	Dollar spot	<i>Clariireedia homoeocarpa</i>	0	1
Centipedegrass C = 57	Fairy ring	Various Fungi	3	0

H = 29	Take-all	<i>Gaeumannomyces sp./spp.</i>	0	1
	Nematodes; General plant	Order Tylenchida	1	0
	Cultural/environmental problem	Abiotic disorder	12	2
	Soil compaction	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	8	26
	Pythium root and/or crown rot	<i>Pythium sp./spp.</i>	2	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	7	0
	Root rot	Various Fungi	5	0
	Large patch	<i>Rhizoctonia solani</i>	18	0
Fescues C = 0 H = 6	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	3
	Unknown abiotic disorder	Abiotic disorder	0	1
	Pythium root and/or crown rot	<i>Pythium sp./spp.</i>	0	1
St. Augustinegrass C = 23 H = 18	Unknown	General	0	1
	Take-all	<i>Gaeumannomyces sp./spp.</i>	1	9
	Cultural/environmental problem	Abiotic disorder	1	1
	Environmental stress; Problem	<i>Abiotic disorder</i>	0	7
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	7	0
	Insects	Class insecta	2	0
	Gray leaf spot	<i>Pyricularia grisea</i>	4	0
	Large patch	<i>Rhizoctonia solani</i>	8	0
Tall Fescue C = 3 H = 0	Brown patch	<i>Rhizoctonia sp./spp.</i>	1	0
	Environmental stress; Problem	Abiotic disorder	1	0
	Root rot	Various Fungi	1	0
	Melting out (Turfgrass)	<i>Drechslera sp./spp.</i>	1	0
Zoysia Grass C = 69 H = 24	Take-all	<i>Gaeumannomyces sp./spp.</i>	1	1
	Cultural/environmental problem	Abiotic disorder	9	0
	Nutritional deficiency	Abiotic disorder	1	0
	Soil compaction	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	6	22
	Drought stress damage	Abiotic disorder	1	0
	Drainage problem	Abiotic disorder	1	0
	Leaf spot	<i>Bipolaris sp./spp.</i>	1	0
	Pythium root and/or crown rot	<i>Pythium sp./spp.</i>	3	1
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	8	0
	Root rot	Various Fungi	13	0
	Large patch	<i>Rhizoctonia solani</i>	22	0
	Dollar spot	<i>Clariireedia homoeocarpa</i>	1	0

VEGETABLES

(Total Diagnoses 443: C=402; H=41)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Asparagus C = 1 H = 1	Anthracnose	<i>Colletotrichum orbiculare</i>	1	0
	Root rot	<i>Phytophthora sp./spp.</i>	0	1
Bean C = 1 H = 3	Unknown	General	0	1
	Cercospora leaf spot	<i>Cercospora sp./spp.</i>	0	1
	Unknown abiotic disorder	Abiotic disorder	0	1
		No Pathogen Found	1	0
Bok Choy; Chinese Cabbage C = 1 H = 0		<i>Begomovirus Group</i>	1	0
Brassica green C = 1 H = 0		<i>Rhizoctonia sp./spp.</i>	1	0
Broccoli C = 3 H = 3	Root maggots; General	<i>Family Anthomyiidae</i>	0	1
	Environmental stress; Problem	Abiotic disorder	0	2
		<i>Begomovirus Group</i>	1	0
		<i>Erwinia (Pectobacterium) carotovora (um)</i>	1	0
	<i>Sclerotinia sclerotiorum</i>	1	0	
Cabbage C = 44 H = 0	Powdery mildew	<i>Erysiphe sp./spp.</i>	1	0
	Black rot	<i>Xanthomonas campestris</i>	4	0
	Bacterial soft rot	<i>Erwinia carotovora</i>	1	0
	Crucifer bacterial black rot	<i>Xanthomonas campestris</i>	4	0
	Cercospora leaf spot	<i>Cercospora sp./spp.</i>	2	0
	Nutrient imbalance	Abiotic disorder	1	0
	Unknown abiotic disorder	Abiotic disorder	1	0
		<i>Alternaria sp./spp.</i>	1	0
		<i>Begomovirus Group</i>	2	0
		<i>Cercospora sp./spp.</i>	9	0
		No Pathogen Found	8	0
		<i>Pseudomonas sp./spp.</i>	1	0
		<i>Pythium sp./spp.</i>	2	0
	<i>Rhizoctonia solani</i>	1	0	
	<i>Rhizoctonia sp./spp.</i>	2	0	

		<i>Sclerotinia sclerotiorum</i>	1	0
		<i>Xanthomonas campestris</i>	1	0
		<i>Xanthomonas raphni</i>	2	0
Cantaloupe; Cantaloupe C = 6 H = 0		No Pathogen Found	1	0
		<i>Phytophthora capsici</i>	2	0
		<i>Pseudomonas sp./spp.</i>	1	0
		Unknown Agent	1	0
		<i>Xanthomonas sp./spp.</i>	1	0
Carrot C = 2 H = 0		<i>Alternaria sp./spp.</i>	1	0
	Root-knot nematodes	<i>Meloidogyne sp./spp.</i>	1	0
Cauliflower C = 10 H = 1	Black rot	<i>Xanthomonas campestris</i>	0	1
	Black leaf spot	<i>Alternaria brassicicola</i>	1	0
		<i>Alternaria brassicicola</i>	1	0
		No Pathogen Found	5	0
		<i>Rhizoctonia sp./spp.</i>	1	0
	Alternaria head rot	<i>Alternaria sp./spp.</i>	1	0
	Undetermined injury	Identification Analysis	1	0
Cilantro C = 1 H = 0	Corynespora leaf spot	<i>Corynespora sp./spp.</i>	1	0
Collards C = 6 H = 0		<i>Cercospora sp./spp.</i>	1	0
		No Pathogen Found	2	0
		<i>Xanthomonas campestris</i>	1	0
		<i>Xanthomonas sp./spp.</i>	1	0
	Bacterial spot	<i>Xanthomonas sp./spp.</i>	1	0
Cucumber C = 23 H = 1	Anthracoise	<i>Colletotrichum orbiculare</i>	3	0
	Cucurbit downy mildew	<i>Pseudoperonospora cubensis</i>	0	1
	Nutritional deficiency	Abiotic disorder	1	0
		<i>Alternaria sp./spp.</i>	1	0
		Cucumber Mosaic Virus (CMV)	5	0
		No Virus Found	1	0
		<i>Pseudoperonospora cubensis</i>	2	0
		<i>Pythium sp./spp.</i>	1	0
	Root-knot nematodes	<i>Meloidogyne sp./spp.</i>	1	0
		<i>Potyvirus sp./spp.</i>	5	0
		Cucumovirus Cucumber Mosaic Virus	2	0

		Potyvirus Potato Virus Y	1	0
Curly Mustard; Leaf Mustard C = 1 H = 0		Begomovirus Group	1	0
Eggplant C = 3 H = 0	Bacterial leaf spot	<i>Pseudomonas syringae</i>	1	0
		<i>Pectobacterium sp./spp.</i>	1	0
Garlic C = 1 H = 0		<i>Phomopsis sp./spp.</i>	1	0
	Cultural/environmental problem	Abiotic disorder	1	0
Kale C = 5 H = 0		<i>Alternaria sp./spp.</i>	1	0
		<i>Cercospora sp./spp.</i>	1	0
		No Pathogen Found	1	0
		<i>Pythium sp./spp.</i>	1	0
Lettuce C = 1 H = 0	No pathogen found	Identification Analysis	1	0
		<i>Pythium sp./spp.</i>	1	0
Lima Bean C = 0 H = 2				
	Cercospora leaf spot	<i>Cercospora sp./spp.</i>	0	1
Mustard Green C = 1 H = 0	Insect damage	Unidentified Insect	0	1
		<i>Pythium sp./spp.</i>	1	0
Mustards C = 1 H = 0		<i>Pythium sp./spp.</i>	1	0
Not Found On List C = 1 H = 0	Root-knot nematodes	<i>Meloidogyne sp./spp.</i>	1	0
Okra C = 5 H = 2	Nematodes; General plant	Order Tylenchida	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
		<i>Fusarium sp./spp.</i>	2	0
		No Pathogen Found	1	0
		Southern blight	<i>Sclerotium rolfsii</i>	0
Onion C = 33	Root-knot nematodes	<i>Meloidogyne sp./spp.</i>	1	0
	Botrytis blight	<i>Botrytis sp./spp.</i>	1	0

H = 0	Stemphylium leaf blight	<i>Stemphylium vesicarium</i>	2	0	
	Bacterial blight	<i>Pseudomonas viridiflava</i>	1	0	
	Downy mildew	<i>Peronospora</i> sp./spp.	1	0	
	Bacterial soft rot	<i>Erwinia</i> sp./spp.	1	0	
	Stemphylium leaf spot	<i>Stemphylium</i> sp./spp.	1	0	
	Leaf streak and bulb rot	<i>Pseudomonas viridiflava</i>	1	0	
	Center rot	<i>Pantoea ananatis</i>	1	0	
	Additional sample requested	Identification Analysis	1	0	
		<i>Botrytis allii</i>	1	0	
		<i>Botrytis</i> sp./spp.	8	0	
		<i>Erwinia</i> sp./spp.	1	0	
		<i>Fusarium</i> sp./spp.	2	0	
		No Pathogen Found	2	0	
		<i>Pantoea ananatis</i>	2	0	
		<i>Pythium</i> sp./spp.	4	0	
		<i>Enterobacter</i> sp./spp.	1	0	
		Secondary onion pathogen	<i>Enterobacter ludwigii</i>	1	0
		Secondary bacterial species	Secondary	1	0
	Pepper C = 29 H = 5	Unknown	General	0	2
Bacterial leaf spot		<i>Pseudomonas</i> sp./spp.	2	0	
Bacterial leaf spot		<i>Pseudomonas syringae</i>	1	0	
High soluble salt		Abiotic disorder	1	0	
Cultural/environmental problem		Abiotic disorder	0	1	
Environmental stress; Problem		Abiotic disorder	0	2	
Bacterial leaf blight		<i>Pseudomonas</i> sp./spp.	1	0	
Sclerotinia rot		<i>Sclerotinia sclerotiorum</i>	1	0	
Bacterial leaf spot		<i>Xanthomonas campestris</i>	2	0	
		<i>Fusarium</i> sp./spp.	1	0	
		No Pathogen Found	7	0	
		<i>Phytophthora capsici</i>	2	0	
		<i>Phytophthora</i> sp./spp.	2	0	
		<i>Pseudomonas</i> sp./spp.	1	0	
		<i>Pythium</i> sp./spp.	3	0	
		Unknown cause	1	0	
Tomato spotted wilt (TSWV)		Tospovirus Tomato Spotted Wilt Virus	1	0	
Anthracnose		<i>Colletotrichum</i> sp./spp.	1	0	
Bacterial leaf spot		<i>Xanthomonas euvesicatoria</i>	1	0	
Viral pathogen suspect	Viral suspect	1	0		
Potato C = 1 H = 0		<i>Potyvirus</i> sp./spp.	1	0	

Pumpkin C = 1 H = 0	Cucurbit downy mildew	<i>Pseudoperonospora cubensis</i>	1	0
Rutabaga; Swedish Turnip C = 1 H = 0	Rutabaga	<i>Brassica napus</i>	1	0
Snap Bean; Green Bean C = 12 H = 0	Ashy stem blight	<i>Macrophomina phaseolina</i>	1	0
	Bacterial blight	<i>Xanthomonas sp./spp.</i>	1	0
		<i>Alternaria sp./spp.</i>	1	0
		<i>Cercospora sp./spp.</i>	2	0
		No Pathogen Found	1	0
		<i>Pythium sp./spp.</i>	3	0
	Cucurbit leaf crumple (CuLCrV)	Begomovirus Cucurbit Leaf Crumple Virus	1	0
	Burn due to potential phytotoxicity from spray burn	Phytotoxicity	1	0
	SIGMV	Sida Golden Mosaic Virus	1	0
Southern peas; Cowpeas Blackeye Peas C = 2 H = 0	Insect damage	Unidentified Insect	1	0
		No Pathogen Found	1	0
Sphagetti squash C = 1 H = 0	Anthrachnose	<i>Colletotrichum orbiculare</i>	1	0
Squash C = 20 H = 1	Anthrachnose	<i>Colletotrichum orbiculare</i>	1	0
	Gummy stem blight	<i>Didymella sp./spp.</i>	1	0
	Cucurbit yellow vine disease	<i>Serratia marcescens</i>	0	1
	Unidentified virus	Unidentified Virus	1	0
	Wet rot; Fruit rot	<i>Choanephora cucurbitarum</i>	1	0
		Abiotic disorder	1	0
		<i>Choanephora sp./spp.</i>	1	0
		No Pathogen Found	5	0
		<i>Phytophthora capsici</i>	3	0
		<i>Pseudomonas sp./spp.</i>	1	0
		Unknown cause	1	0
	Cucurbit leaf crumple (CuLCrV)	Begomovirus Cucurbit Leaf Crumple Virus	2	0
	Cucurbit Yellow Stunting Disorder(CYSDV)	Crinivirus Cucurbit Yellow Stunting Disorder Virus	1	0
	Powdery mildew	<i>Podosphaera xanthii</i>	1	0

Sweet Basil C = 1 H = 0		<i>Pseudomonas sp./spp.</i>	1	0
Sweet Corn C = 2 H = 0	Southern corn rust	<i>Puccinia polysora</i>	1	0
	Southern leaf blight	<i>Bipolaris maydis</i>	1	0
Sweetpotato C = 3 H = 0		No Pathogen Found	1	0
	Java black rot	<i>Lasiodiplodia theobromae</i>	1	0
	Potato black leg	<i>Pectobacterium atrosepticum</i>	1	0
Tomatillo; Tree Tomato C = 1 H = 0		<i>Cercospora sp./spp.</i>	1	0
Tomato C = 16 H = 0	Sour rot	<i>Geotrichum candidum</i>	1	0
	Tomato; Pepper bacterial spot	<i>Xanthomonas campestris</i>	1	0
	No virus found	No Virus Found	1	0
		<i>Fusarium sp./spp.</i>	1	0
		No Pathogen Found	6	0
		<i>Phytophthora capsici</i>	1	0
		<i>Pythium sp./spp.</i>	1	0
		Unknown cause	1	0
	Southern blight	<i>Sclerotium rolfsii</i>	1	0
	Leaf mold	<i>Passalora fulva</i>	1	0
	Tomato Bacterial Spot	<i>Xanthomonas sp.</i>	1	0
	Tomato C = 21 H = 19	Unknown	General	1
Sour rot		<i>Geotrichum sp./spp.</i>	1	0
Herbicide injury; Exposure		Abiotic disorder	0	2
Herbicide drift		Abiotic disorder	0	1
Cultural/environmental problem		Abiotic disorder	0	1
Environmental stress; Problem		Abiotic disorder	0	6
Unknown abiotic disorder		Abiotic disorder	1	0
Septoria leaf blight		<i>Septoria lycopersici</i>	0	1
Bacterial wilt		<i>Ralstonia solanacearum</i>	1	0
Early blight; Leaf spot		<i>Alternaria solani</i>	1	3
Tomato; Pepper bacterial spot		<i>Xanthomonas campestris</i>	2	0
Bacterial pathogens		General	0	1
No virus found		No Virus Found	1	0
		<i>Cercospora sp./spp.</i>	1	0
		No Pathogen Found	3	0

		Unknown Agent	1	0	
		<i>Xanthomonas</i> sp./spp.	1	0	
	Bacterial blight	<i>Unidentified Bacteria</i>	1	0	
	Southern blight	<i>Sclerotium rolfsii</i>	1	1	
	Tomato bacterial spot	<i>Xanthomonas perforans</i>	1	0	
	Root problem	Unknown cause	0	1	
	Leaf mold	<i>Passalora fulva</i>	2	0	
	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus	1	1	
	Target spot	<i>Corynespora cassiicola</i>	1	0	
Turnip C = 3 H = 0		<i>Cercospora</i> sp./spp.	1	0	
		No Pathogen Found	1	0	
		<i>Rhizoctonia solani</i>	1	0	
Watermelon C = 130 H = 3	Anthracnose	<i>Colletotrichum orbiculare</i>	4	0	
	Gummy stem blight	<i>Didymella</i> sp./spp.	4	0	
	Downy mildew	<i>Pseudoperonospora</i> sp./spp.	1	0	
	Cucurbit downy mildew	<i>Pseudoperonospora cubensis</i>	1	0	
	Fusarium wilt	<i>Fusarium oxysporum</i>	1	0	
	Unknown	General	0	1	
	Pythium pod rot	<i>Pythium</i> sp./spp.	1	0	
	Unknown abiotic disorder	Abiotic disorder	2	0	
	Blossom end rot	Abiotic disorder	1	0	
	Stem rot	<i>Sclerotinia sclerotiorum</i>	1	0	
	Watermelon Fusarium wilt	<i>Fusarium oxysporum</i>	10	0	
	Insect damage	Unidentified Insect	0	2	
	Insufficient sample	Identification Analysis	1	0	
		<i>Cercospora</i> sp./spp.	2	0	
		<i>Fusarium</i> sp./spp.	24	0	
		No Pathogen Found	38	0	
		<i>Phytophthora capsici</i>	7	0	
		<i>Phytophthora</i> sp./spp.	1	0	
		<i>Pseudomonas viridiflava</i>	1	0	
		<i>Pseudoperonospora cubensis</i>	3	0	
		<i>Pythium</i> sp./spp.	10	0	
		<i>Sclerotium rolfsii</i>	1	0	
		Unknown Agent	1	0	
		Unknown cause	5	0	
		No pathogen found	Identification Analysis	1	0
		Root-knot nematodes	<i>Meloidogyne</i> sp./spp.	1	0
			Begomovirus Cucurbit Leaf Crumple Virus	2	0

		Potyvirus Papaya Ringspot Virus	1	0
	Tomato pith necrosis	<i>Pseudomonas</i> sp./spp.	1	0
	Cucurbit gummy stem blight	<i>Stagonosporopsis curcubitacearum</i>	1	0
	Powdery mildew	<i>Podosphaera fuliginea</i>	1	0
	Anthracnose	<i>Colletotrichum</i> sp./spp.	1	0
	Gummy stem blight	<i>Stagonosporopsis citrulli</i>	1	0
Zucchini Squash C = 7 H = 0	Phytophthora fruit rot	<i>Phytophthora capsici</i>	1	0
		<i>Choanephora cucurbitarum</i>	1	0
		<i>Choanephora</i> sp./spp.	1	0
		<i>Phytophthora capsici</i>	1	0
		<i>Pseudomonas</i> sp./spp.	1	0
	Cucurbit leaf crumple (CuLCrV)	Begomovirus Cucurbit Leaf Crumple Virus	1	0
	Cucurbit Yellow Stunting Disorder(CYSDV)	Crinivirus Cucurbit Yellow Stunting Disorder Virus	1	0

WOODY ORNAMENTALS

(Total Diagnoses 265: C=157; H=108)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Andora Juniper C = 2 H = 0	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Phomopsis tip blight; Needle blight	<i>Phomopsis juniperovora</i>	1	0
Anise Tree C = 4 H = 0		No Virus Found	1	0
		<i>Phytophthora sp./spp.</i>	1	0
	Root problem	Unknown cause	1	0
	Root rot	<i>Phytophthora sp./spp.</i>	1	0
Arborvitae C = 8 H = 2	Crown and root rot	<i>Phytophthora sp./spp.</i>	3	0
	Site disturbance	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
	Scale insects	Order homoptera	1	0
		No Pathogen Found	1	0
		<i>Rhizoctonia sp./spp.</i>	1	0
	Root rot	<i>Phytophthora sp./spp.</i>	2	0
Arizona Cypress C = 1 H = 0		<i>Phomopsis sp./spp.</i>	1	0
Asiatic Jasmine C = 2 H = 0		<i>Phytophthora sp./spp.</i>	1	0
		<i>Rhizoctonia sp./spp.</i>	1	0
Azalea; Rhododendron C = 6 H = 10	Rhizoctonia stem and root rot	<i>Rhizoctonia sp./spp.</i>	1	0
	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Cercospora leaf spot	<i>Cercospora sp./spp.</i>	1	0
	Leaf spot	<i>Pseudocercospora sp./spp.</i>	0	1
	Azalea lace bug	<i>Stephanitis pyrioides</i>	0	1
	Herbicide drift	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	6
	Root problems	Abiotic disorder	0	1
		<i>Phytophthora sp./spp.</i>	1	0
	Leaf and flower gall	<i>Exobasidium vaccinii</i>	1	0
	Root rot	<i>Phytophthora sp./spp.</i>	1	0
Bigleaf Hydrangea C = 1		No Pathogen Found	1	0

H = 0				
Bluebeard C = 2 H = 0		<i>Fusarium sp./spp.</i>	1	0
	Root rot	<i>Phytophthora sp./spp.</i>	1	0
Blueberry C = 1 H = 0		<i>Sphaeropsis sp./spp.</i>	1	0
Boxwood C = 63 H = 31	Crown and root rot	<i>Phytophthora sp./spp.</i>	3	0
	Cottony cushion scale	<i>Icerya purchasi</i>	0	2
	Environmental stress; Problem	Abiotic disorder	0	22
	Root problems	Abiotic disorder	0	3
	Mite damage	Unidentified Mite	1	0
		<i>Colletotrichum sp./spp.</i>	16	0
		Environmental Stresses	1	0
		No Pathogen Found	7	0
		<i>Phytophthora sp./spp.</i>	3	0
	Boxwood blight; Leaf and stem blight	<i>Calonectria pseudonaviculata</i>	5	1
	Root problem	Unknown cause	3	2
	Boxwood Macrophoma leaf spot	<i>Dothiorella candollei</i>	2	0
	Root rot	<i>Phytophthora sp./spp.</i>	0	1
	Boxwood Volutella blight; Canker	<i>Pseudonectria buxi</i>	22	0
Butterfly Bush C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Camellia C = 0 H = 2	Environmental stress; Problem	Abiotic disorder	0	2
Cherry Laurel; Wild Orange Laurel C = 1 H = 0		<i>Phytophthora sp./spp.</i>	1	0
Chindo Viburnum C = 2 H = 0		No Pathogen Found	2	0
Chinese Fringe Flower C = 3 H = 2	Unknown	General	0	1
		Abiotic disorder	1	0
		No Pathogen Found	1	0
		<i>Pseudomonas amygdali</i> (Bacterial)	1	0

	Bacterial gall	<i>Pseudomonas savastanoi</i>	0	1
Chinese Holly C = 2 H = 0	Scale insects	Order homoptera	1	0
	Root rot	Various Fungi	1	0
Common Boxwood C = 6 H = 0		<i>Colletotrichum</i> sp./spp.	1	0
		No Pathogen Found	1	0
	Boxwood Volutella blight; Canker	<i>Pseudonectria buxi</i>	4	0
Common Camellia C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Common Fig C = 1 H = 0	Phytophthora fruit rot	<i>Phytophthora</i> sp./spp.	1	0
Confederate Rose C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Crape Myrtle C = 0 H = 1	Unknown	General	0	1
Distylium C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Dogwood C = 0 H = 2	Environmental stress; Problem	Abiotic disorder	0	1
		Abiotic disorder	0	1
Elaeagnus C = 0 H = 1	Unknown abiotic disorder	Abiotic disorder	0	1
English Ivy C = 0 H = 2	Bacterial leaf spot	<i>Xanthomonas</i> sp./spp.	0	1
	Chemical injury	Abiotic disorder	0	1
Falsecypress C = 1 H = 0		<i>Phytophthora</i> sp./spp.	1	0
Florida Anisetree C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Gardenia	Unknown abiotic disorder	Abiotic disorder	0	1

C = 1 H = 1				
		No Pathogen Found	1	0
Green Giant Arborvitae C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Hawthorn C = 0 H = 1	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	0	1
Heavenly Bamboo C = 2 H = 0		Cucumber Mosaic Virus (CMV)	2	0
Himalayan Sweet Box C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Holly C = 3 H = 5	Environmental stress; Problem	Abiotic disorder	0	3
	Root problems	Abiotic disorder	0	1
		<i>Fusicoccum</i> sp./spp.	1	0
		No Pathogen Found	1	0
		<i>Phytophthora</i> sp./spp.	1	0
	Root problem	Unknown cause	0	1
Hydrangea C = 2 H = 4	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	0	1
	Spider mites	Family Tetranychidae	0	1
	Chemical injury	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
		<i>Phytophthora</i> sp./spp.	1	0
		<i>Pythium</i> sp./spp.	1	0
Indian Hawthorn C = 1 H = 3	Entomosporium leaf spot	<i>Entomosporium</i> sp./spp.	0	1
	Environmental stress; Problem	Abiotic disorder	0	2
		No Pathogen Found	1	0
Japanese Andromeda C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Japanese Aralia C = 2 H = 1	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Insect damage	Unidentified Insect	0	1
		<i>Colletotrichum</i> sp./spp.	1	0
Japanese Holly	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0

C = 1 H = 1				
	Environmental stress; Problem	Abiotic disorder	0	1
Japanese Maple C = 0 H = 1	Unknown abiotic disorder	Abiotic disorder	0	1
Jasmine C = 1 H = 0		<i>Cercospora sp./spp.</i>	1	0
Juniper C = 8 H = 4	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Environmental stress; Problem	Abiotic disorder	1	2
	Root problems	Abiotic disorder	0	2
	Scale insects	Order homoptera	2	0
		No Pathogen Found	1	0
		<i>Phytophthora sp./spp.</i>	1	0
	Root problem	Unknown cause	1	0
	Seiridium canker	<i>Seiridium unicorne</i>	1	0
Leucothoe C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Leyland Cypress C = 0 H = 1	Passalora leaf spot	<i>Passalora sp./spp.</i>	0	1
Ligustrum; Privet C = 3 H = 2	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Cercospora leaf spot	<i>Cercospora sp./spp.</i>	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
		<i>Phytophthora sp./spp.</i>	1	0
		<i>Pseudocercospora sp./spp.</i>	1	0
Loropetalum; Chinese Fringe Flower C = 1 H = 0		No Pathogen Found	1	0
Magnolia C = 0 H = 1		<i>Pseudaulacaspis cockerelli</i>	0	1
Mahonia C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Mountain Laurel C = 0	Leaf spot	Unknown cause	0	1

H = 1				
Oakleaf Hydrangea C = 2 H = 0	Bacterial leaf spot	<i>Xanthomonas</i> sp./spp.	1	0
		<i>Phytophthora</i> sp./spp.	1	0
Pittosporum C = 2 H = 4	Mealybugs	Family Pseudococcidae	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
		<i>Phytophthora</i> sp./spp.	1	0
	Nectriella stem gall	<i>Nectriella pironii</i>	1	0
	Root problem	Unknown cause	0	1
	Aphids; Plant lice	Family Aphididae	0	1
Plum-yew C = 1 H = 1		No Pathogen Found	1	0
		<i>Pulvinaria</i> sp./spp.	0	1
Podocarpus; Plum Pine C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Pomegranate C = 0 H = 1	Unknown abiotic disorder	Abiotic disorder	0	1
Red Osier Dogwood C = 1 H = 0		<i>Colletotrichum</i> sp./spp.	1	0
Rhododendron C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Rose C = 8 H = 12	Powdery mildew	<i>Oidium</i> sp./spp.	1	0
	Unknown	General	0	3
	Crown and root rot	<i>Phytophthora</i> sp./spp.	2	0
	Chemical injury	Abiotic disorder	1	1
	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; 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	1	0
	Root problem	Unknown cause	0	2
Rose rosette disease (RRV)	Emaravirus Rose Rosette Virus	1	1	

	Black spot (Rose)	<i>Diplocarpon rosae</i>	0	1
	Root rot	<i>Phytophthora sp./spp.</i>	1	0
Rosemary C = 0 H = 1	Insect damage	<i>Unidentified Insect</i>	0	1
Sasanqua Camellia C = 1 H = 0	Armillaria root rot	<i>Armillaria sp./spp.</i>	1	0
Sawara Falsecypress C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Summersweet C = 0 H = 1	Armillaria root rot; Butt rot	<i>Armillaria sp./spp.</i>	0	1
Unknown; No Site Specified C = 2 H = 0		No Pathogen Found	1	0
	Root problem	Unknown cause	1	0
Viburnum C = 1 H = 1	Root problem	Unknown cause	0	1
	Root rot	<i>Phytophthora sp./spp.</i>	1	0
Winter Daphne C = 2 H = 0		<i>Phytophthora sp./spp.</i>	1	0
	Black root rot	<i>Berkeleyomyces basicola</i>	1	0
Yellow anise C = 1 H = 0		<i>Botryosphaeria sp./spp.</i>	1	0