

Plant Disease Clinic Annual Report 2020

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2020 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: 2020 PLANT SPECIMEN DIAGNOSES

Crop	Commercial Samples	Homeowner Samples	Total
Field Crops	74	3	77
Fruits and Nuts	220	30	250
Herbaceous Ornamentals	42	25	67
Miscellaneous	2	5	7
Trees	58	57	115
Turf	129	53	182
Vegetables	239	27	266
Woody Ornamentals	141	87	228
Total*	905	287	1192

*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: 2020

Month	Commercial Samples	Homeowner Samples
January	26	9
February	76	15
March	81	11
April	18	13
May	31	13
June	40	47
July	61	45
August	48	32
September	87	50
October	99	34
November	43	9
December	41	7
Total*	651	285

*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 2020

County	Samples		County	Samples		County	Samples
Appling	11		Evans	7		Pulaski	5
Atkinson	8		Floyd	3		Rabun	3
Bacon	48		Forsyth	6		Richmond	10
Baker	2		Franklin	1		Rockdale	7
Barrow	1		Fulton	50		Screven	6
Bartow	1		Gilmer	1		Seminole	4
Ben Hill	4		Grady	3		Spalding	3
Berrien	12		Gwinnett	18		Sumter	14
Bibb	7		Habersham	1		Tattall	28
Bleckley	1		Hall	4		Taylor	1
Brooks	10		Harris	1		Telfair	1
Bulloch	4		Hart	4		Terrell	6
Burke	4		Henry	5		Thomas	2
Calhoun	2		Irwin	4		Tift	22
Camden	1		Jeff Davis	5		Toombs	9
Candler	3		Jefferson	11		Troup	1
Chatham	5		Johnson	1		Turner	10
Cherokee	1		Lanier	8		Union	1
Clarke	5		Laurens	6		Walker	2
Clinch	2		Lee	1		Walton	2
Cobb	34		Lowndes	19		Ware	2
Coffee	7		Lumpkin	5		Washington	4
Colquitt	67		Macon	3		Wayne	3
Columbia	1		Madison	3		Webster	4
Cook	10		McDuffie	16		Worth	15
Coweta	3		Meriwether	4			
Crisp	2		Miller	2			
Dawson	2		Mitchell	2			
De Kalb	17		Morgan	2			
Dodge	1		NA	35			
Douglas	3		Newton	2			
Echols	4		Oconee	2			
Effingham	1		Oglethorpe	1			
Elbert	2		Pickens	1			
Emanuel	1		Pike	5			

DISTRIBUTION OF HOMEOWNER SAMPLES SUBMITTED BY COUNTY FOR 2020

County	Samples		County	Samples
Baldwin	1		Liberty	2
Banks	2		Lincoln	2
Barrow	5		McDuffie	6
Ben Hill	3		Morgan	7
Berrien	1		Muscogee	21
Bibb	1		Oconee	2
Brooks	4		Paulding	4
Bryan	2		Pierce	3
Burke	1		Pike	5
Butts	13		Rabun	2
Camden	2		Rockdale	4
Carroll	2		Towns	1
Catoosa	1		Walton	1
Chatham	9		Ware	4
Clarke	25		White	2
Cobb	43		Whitfield	2
Colquitt	1			
Columbia	1			
Coweta	4			
Dade	1			
De Kalb	15			
Dodge	1			
Dougherty	6			
Douglas	1			
Fannin	2			
Fayette	2			
Forsyth	8			
Fulton	21			
Glynn	6			
Gwinnett	16			
Hall	1			
Harris	1			
Henry	5			
Irwin	2			
Jackson	3			
Jones	1			
Lee	5			

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 77: C=74; H=3)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Alfalfa C = 3 H = 0	Summer black stem; Leaf spot	<i>Cercospora medicaginis</i>	1	0
	Leptosphaerulina leaf spot	<i>Leptosphaerulina</i> sp./spp.	1	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Bermudagrass C = 2 H = 0	Leaf spot	<i>Bipolaris</i> sp./spp.	1	0
	Leaf rust; Rust	<i>Puccinia</i> sp./spp.	1	0
Common Apple C = 0 H = 1	Wound canker	Abiotic disorder	0	1
Common Wheat C = 1 H = 0	Tan spot	<i>Drechslera</i> sp./spp.	1	0
Corn C = 3 H = 0		No Pathogen Found	2	0
		Unknown cause	1	0
Cotton C = 12 H = 0	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	3	0
	Stemphylium leaf spot	<i>Stemphylium</i> sp./spp.	5	0
	Physiological responses	Abiotic disorder	1	0
		No Pathogen Found	1	0
		Unknown cause	2	0
Hemp C = 4 H = 0		<i>Fusarium</i> sp./spp.	1	0
		<i>Macrophomina</i> sp./spp.	1	0
		No Pathogen Found	1	0
		<i>Pythium</i> sp./spp.	1	0
Oats C = 5 H = 0	Cultural/environmental problem	Abiotic disorder	1	0
		<i>Drechslera</i> sp./spp.	2	0
	Gray leaf spot	<i>Pyricularia grisea</i>	2	0
Peanut C = 15 H = 0	Diplodia collar rot	<i>Diplodia gossypina</i>	1	0
	Chemical injury	Abiotic disorder	3	0
		<i>Neocosmospora vasinfecta</i>	1	0
		No Pathogen Found	3	0
		<i>Rhizoctonia solani</i>	1	0
		Unknown cause	1	0

	Southern blight	<i>Sclerotium rolfsii</i>	1	0
	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus	4	0
Pear C = 0 H = 1	Plum Curculio	<i>Conotrachelus nenuphar</i>	0	1
Sorghum C = 8 H = 0	Anthracnose	<i>Colletotrichum graminicola</i>	1	0
	African Sorghum ergot	<i>Claviceps africana</i>	1	0
	Grain mold	Various Fungi	2	0
	Sorghum curvul. head blight	<i>Curvularia</i> sp./spp.	2	0
	Target spot	<i>Bipolaris sorghicola</i>	1	0
	Anthracnose	<i>Colletotrichum</i> sp./spp.	1	0
Southern peas; Cowpeas Blackeye Peas C = 0 H = 1	Leaf spot	Unknown cause	0	1
Soybean C = 3 H = 0	Charcoal rot	<i>Macrophomina</i> sp./spp.	1	0
	Nutritional deficiency	Abiotic disorder	1	0
		No Pathogen Found	1	0
Tobacco (Flue-cured) C = 17 H = 0	Black shank	<i>Phytophthora nicotianae</i>	3	0
	Chemical injury	Abiotic disorder	1	0
	Sclerotinia rot	<i>Sclerotinia sclerotiorum</i>	1	0
	Pythium damping off	<i>Pythium</i> sp./spp.	2	0
		No Pathogen Found	3	0
	Bacterial soft rot	<i>Pectobacterium carotovorum</i>	1	0
	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus	4	0
	Tobacco mosaic (TMV)	Tobamovirus Tobacco Mosaic Virus	1	0
	Rhizoctonia stem rot	<i>Rhizoctonia solani</i>	1	0
White Clover C = 1 H = 0	Southern blight	<i>Sclerotium rolfsii</i>	1	0

FRUITS AND NUTS

(Total Diagnoses 250: C=220; H=30)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Blackberry C = 15 H = 1	Mites	Order Acari	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
	Cane and leaf rust	<i>Kuehneola</i> sp./spp.	2	0
	Mite damage	Unidentified Mite	2	0
		<i>Colletotrichum</i> sp./spp.	1	0
		<i>Leptosphaeria</i> sp./spp.	1	0
		<i>Pestalotia</i> sp./spp.	1	0
		<i>Phytophthora</i> sp./spp.	1	0
		<i>Pseudocercospora</i> sp./spp.	3	0
	Root problem	Unknown cause	2	0
	Cane blight; Canker	<i>Paraconiothyrium fuckelii</i>	1	0
Blueberry C = 97 H = 5	Powdery mildew	<i>Oidium</i> sp./spp.	0	1
	Mummy berry	<i>Monilinia vaccinii-corymbosi</i>	0	1
	Chemical injury	Abiotic disorder	1	0
	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	2
	Bacterial wilt	<i>Ralstonia solanacearum</i>	1	0
	Scale insects	Order homoptera	1	0
	Sooty mold	Unidentified Fungus	2	0
	Root rot	Unidentified Agent	2	0
	Spider mite injury	Unidentified Spider Mite	1	0
	Mite damage	Unidentified Mite	1	0
		<i>Botryosphaeria</i> sp./spp.	3	0
		<i>Colletotrichum</i> sp./spp.	1	0
		Environmental Stresses	1	0
		<i>Fusicoccum</i> sp./spp.	4	0
		<i>Pestalotia</i> sp./spp.	3	0
		<i>Phyllosticta</i> sp./spp.	2	0
		<i>Phytophthora cinnamomi</i>	33	0
		<i>Phytophthora</i> sp./spp.	2	0
		<i>Pucciniastrum</i> sp./spp.	4	0
		<i>Ralstonia solanacearum</i>	1	0
		<i>Rhizoctonia</i> sp./spp.	26	0
		Unknown cause	1	0
	Root problem	Unknown cause	5	0
	Bacterial leaf scorch	<i>Xylella fastidiosa</i>	1	0
	Blueberry red ringspot (BRRV)	Soymovirus Blueberry Red Ringspot Virus	1	0

Citrus C = 15 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
	Insects	Class insecta	1	0
		<i>Botryosphaeria</i> sp./spp.	1	0
		<i>Colletotrichum</i> sp./spp.	3	0
		<i>Phytophthora</i> sp./spp.	4	0
		<i>Rhizoctonia</i> sp./spp.	3	0
		<i>Sphaeropsis</i> sp./spp.	1	0
	Root problem	Unknown cause	1	0
	Citrus leafminer	<i>Phyllocnistis citrella</i>	1	0
Common Apple C = 3 H = 4	Bitter rot	<i>Colletotrichum</i> sp./spp.	1	0
	Glomerella leaf spot	<i>Glomerella</i> sp./spp.	1	0
	Lichens	<i>Lichenes</i>	0	2
	Burr knot	Abiotic disorder	0	1
	Bitter rot	<i>Colletotrichum gloeosporioides</i>	0	1
		<i>Glomerella cingulata</i>	1	0
Common Fig C = 0 H = 5	Chemical injury	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	3
	Root problem	Unknown cause	0	1
English Walnut; Persian Walnut C = 0 H = 1	Wound canker	Abiotic disorder	0	1
Grape C = 1 H = 1	Unknown	General	0	1
		<i>Phomopsis</i> sp./spp.	1	0
Japanese Persimmon C = 3 H = 0	Scale insects	Order homoptera	1	0
	Sooty mold	Unidentified Fungus	1	0
	Insect damage	Unidentified Insect	1	0
Lime C = 0 H = 1	Unknown	General	0	1
Muscadine Grape C = 3 H = 3	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
		<i>Botryosphaeria</i> sp./spp.	1	0
		<i>Colletotrichum</i> sp./spp.	1	0
	Black rot	<i>Phyllosticta ampellicida</i>	1	0
	Grape black rot	<i>Guignardia bidwellii</i>	0	1
Olive C = 11 H = 0	Sooty mold	Unidentified Fungus	4	0
		<i>Phyllosticta</i> sp./spp.	2	0
		<i>Phytophthora</i> sp./spp.	3	0
		<i>Sphaeropsis</i> sp./spp.	2	0

		<i>Sphaeropsis</i> sp./spp.	2	0
Peach C = 0 H = 1	Plum Curculio	<i>Conotrachelus nenuphar</i>	0	1
Pear C = 2 H = 5	Fire blight	<i>Erwinia amylovora</i>	0	1
	Cedar-quince rust	<i>Gymnosporangium clavipes</i>	0	3
	Scale insects	Order homoptera	1	0
		<i>Septobasidium</i> sp./spp.	1	0
	Fabraea leaf and fruit spot	<i>Diplocarpon mespili</i>	0	1
Pecan C = 14 H = 0	Anthracnose	<i>Glomerella</i> sp./spp.	9	0
	Crown gall	<i>Agrobacterium</i> sp./spp.	1	0
	Unknown	General	1	0
	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Neofusicoccum parvum</i>	1	0
		No Pathogen Found	1	0
Plum C = 0 H = 1	Lichens	<i>Lichenes</i>	0	1
Pomegranate C = 11 H = 0	Canker	Unidentified Fungus	1	0
	Insect damage	Unidentified Insect	2	0
		<i>Colletotrichum</i> sp./spp.	1	0
		<i>Coniella</i> sp./spp.	1	0
		<i>Fusarium</i> sp./spp.	2	0
		<i>Leptosphaeria</i> sp./spp.	2	0
	Root problem	Unknown cause	2	0
Satsuma Tangerine C = 5 H = 0	Insect damage	Unidentified Insect	1	0
		<i>Colletotrichum</i> sp./spp.	1	0
		<i>Phomopsis</i> sp./spp.	1	0
		<i>Phytophthora</i> sp./spp.	2	0
Strawberry C = 40 H = 1	Leaf blotch	<i>Gnomonia</i> sp./spp.	1	0
	Powdery mildew	<i>Oidium</i> sp./spp.	1	0
	Powdery mildew	<i>Podosphaera</i> sp./spp.	1	0
	Powdery mildew	<i>Sphaerotheca</i> sp./spp.	3	0
	Crown and root rot	<i>Phytophthora</i> sp./spp.	0	1
	Angular leaf spot	<i>Xanthomonas</i> sp./spp.	1	0
	Mites	Order Acari	2	0
	Phytophthora root and crown rot	<i>Phytophthora cactorum</i>	1	0
	Mite damage	Unidentified Mite	1	0
		<i>Botrytis</i> sp./spp.	1	0
		<i>Cercospora</i> sp./spp.	3	0
		<i>Colletotrichum</i> sp./spp.	3	0
		Environmental Stresses	1	0

		<i>Gnomonia</i> sp./spp.	3	0
		<i>Pestalotia</i> sp./spp.	3	0
		<i>Phytophthora cactorum</i>	12	0
		<i>Rhizoctonia</i> sp./spp.	2	0
		<i>Rhizopus</i> sp./spp.	1	0

HERBACEOUS ORNAMENTALS

(Total Diagnoses 67: C=42; H=25)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Begonia C = 3 H = 0	Root rot and web blight	<i>Rhizoctonia</i> sp./spp.	1	0
	Bacterial blight	<i>Xanthomonas</i> sp./spp.	1	0
		<i>Pythium</i> sp./spp.	1	0
Black Mondo Grass C = 0 H = 2	Cultural/environmental problem	Abiotic disorder	0	1
	Root rot	Various Fungi	0	1
Blue Anise Sage C = 1 H = 0		No Pathogen Found	1	0
Calla Lily C = 0 H = 1	Cultural/environmental problem	Abiotic disorder	0	1
Canna Lily C = 0 H = 2	Environmental stress; Problem	Abiotic disorder	0	1
	Rust	Unidentified Fungus	0	1
Cast Iron Plant C = 2 H = 0	Scale insects	Order homoptera	1	0
		<i>Colletotrichum</i> sp./spp.	1	0
Chrysanthemum C = 1 H = 1	Botrytis blight	<i>Botrytis</i> sp./spp.	0	1
	Fusarium crown rot	<i>Fusarium</i> sp./spp.	1	0
Crowfoot; Buttercup (Ornamental) C = 2 H = 0		<i>Phytophthora</i> sp./spp.	2	0
Daylily C = 1 H = 2	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
English Ivy C = 0 H = 3	Unknown	General	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
	Root rot	<i>Phytophthora</i> sp./spp.	0	1
Gerber Daisy; African Daisy C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Hellebore C = 0 H = 3	Downy mildew	<i>Peronospora pulveracea</i>	0	2
	Downy mildew	Order Peronosporales	0	1

Hibiscus C = 3 H = 0	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
		<i>Fusarium sp./spp.</i>	1	0
		No Pathogen Found	1	0
Hollyhock C = 0 H = 1	Mallow rust; Hollyhock rust	<i>Puccinia malvacearum</i>	0	1
Impatiens C = 2 H = 0		<i>Potyvirus sp./spp.</i>	1	0
	Root rot	<i>Phytophthora sp./spp.</i>	1	0
Ivy C = 1 H = 0		No Pathogen Found	1	0
Jasmine C = 0 H = 1	Rhizoctonia blight	<i>Rhizoctonia solani</i>	0	1
Lantana C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Lavender C = 10 H = 1	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Rhizoctonia crown and stem rot	<i>Rhizoctonia sp./spp.</i>	1	0
	Root problems	Abiotic disorder	0	1
		<i>Rhizoctonia sp./spp.</i>	1	0
	Root-knot nematodes	<i>Meloidogyne sp./spp.</i>	1	0
	Root rot	<i>Phytophthora sp./spp.</i>	6	0
Madagascar periwinkle; Vinca C = 1 H = 0	Root rot	<i>Phytophthora sp./spp.</i>	1	0
Muley Grass C = 0 H = 1	Root problems	Abiotic disorder	0	1
Oxalis C = 0 H = 1	Rust	Unidentified Fungus	0	1
Pachysandra C = 3 H = 0	Scale insects	Order homoptera	1	0
		<i>Phytophthora sp./spp.</i>	1	0
		<i>Rhizoctonia sp./spp.</i>	1	0
Pansy C = 4 H = 0	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
		<i>Myrothecium sp./spp.</i>	1	0
		No Pathogen Found	1	0
	Black root rot	<i>Berkeleyomyces basicola</i>	1	0
Pavonia C = 1		No Pathogen Found	1	0

H = 0				
Peony C = 0 H = 1	Root problem	Unknown cause	0	1
Peppermint C = 0 H = 1	Insect damage	Unidentified Insect	0	1
Philodendron C = 0 H = 1	Unidentified virus	<i>Unidentified Virus</i>	0	1
Sedges C = 2 H = 0		<i>Phytophthora sp./spp.</i>	1	0
		<i>Rhizoctonia sp./spp.</i>	1	0
Stocks C = 1 H = 0		<i>Phytophthora sp./spp.</i>	1	0
Sunflower C = 1 H = 0	Alternaria leaf spot and blight	<i>Alternariaster helianthi</i>	1	0
Thyme C = 0 H = 1	Slime mold	Class Myxogastria; Mycetozoa	0	1
Turmeric C = 1 H = 0		<i>Rhizoctonia sp./spp.</i>	1	0
Unknown; No Site Specified C = 0 H = 1	Slime mold	Class Myxogastria; Mycetozoa	0	1
Whorled Milkweed C = 1 H = 0		No Pathogen Found	1	0

MISCELLANEOUS

(Total Diagnoses 7: C=2; H=5)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Bamboo (True) C = 1 H = 0		No Pathogen Found	1	0
Common Pokeweed; Pokeberry C = 0 H = 1		Unknown cause	0	1
Grain Sorghum C = 0 H = 1		No Pathogen Found	0	1
Lemon C = 1 H = 0		<i>Colletotrichum gloeosporioides</i>	1	0
Mushroom C = 0 H = 1	Unknown	General	0	1
Structural Wood C = 0 H = 1	Wood decay fungus	Unidentified Fungus	0	1
Unknown; No Site Specified C = 0 H = 1	Wood decay fungus	Unidentified Fungus	0	1

TREES

(Total Diagnoses 115: C=58; H=57)

HOST	DISEASE	CAUSAL ORGANISM	C	H
American Beech C = 2 H = 0		No Pathogen Found	2	0
American Sycamore C = 1 H = 0	Sycamore anthracnose	<i>Apiognomonia veneta</i>	1	0
Arborvitae C = 10 H = 4	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Environmental stress; Problem	Abiotic disorder	0	4
		No Pathogen Found	4	0
		<i>Sphaeropsis sp./spp.</i>	1	0
	Needle cast; Blight	<i>Passalora sequoiae</i>	1	0
	Root problem	Unknown cause	1	0
	Root rot	<i>Phytophthora sp./spp.</i>	2	0
Arizona Cypress C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Blue Spruce C = 1 H = 1	Rhizosphaera needle cast	<i>Rhizosphaera sp./spp.</i>	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
Callery Pear C = 0 H = 1	Herbicide drift	Abiotic disorder	0	1
Camellia C = 0 H = 1	Unknown	General	0	1
Cherry C = 0 H = 1	Cercospora leaf spot	<i>Cercospora sp./spp.</i>	0	1
Chinese Elm C = 0 H = 2	Environmental stress; Problem	Abiotic disorder	0	2
Contorted filbert C = 1 H = 0	Limb Blight	<i>Corticium sp./spp.</i>	1	0
Cryptomeria C = 3 H = 4	Environmental stress; Problem	Abiotic disorder	0	3
	Wound canker	Abiotic disorder	0	1
		No Pathogen Found	1	0
		<i>Pestalotiopsis sp./spp.</i>	1	0

	Root rot	<i>Phytophthora</i> sp./spp.	1	0
Deodar Cedar C = 1 H = 0		No Pathogen Found	1	0
Dogwood C = 0 H = 4	Chemical injury	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
	Unknown Abiotic disorder	Abiotic disorder	0	1
	Wound canker	Abiotic disorder	0	1
Eastern White Pine C = 1 H = 0		No Pathogen Found	1	0
Elm C = 3 H = 0		No Pathogen Found	1	0
		<i>Phytophthora</i> sp./spp.	1	0
	Anthraco nose; Black spot	<i>Stegophora ulmea</i>	1	0
Engelmann Spruce C = 1 H = 0		No Pathogen Found	1	0
Falsecypress C = 1 H = 0		No Pathogen Found	1	0
Flowering Cherry C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Fraser Fir C = 1 H = 0		No Pathogen Found	1	0
Ginkgo C = 0 H = 1	Unknown Abiotic disorder	Abiotic disorder	0	1
Holly C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Italian Cypress C = 1 H = 0		No Pathogen Found	1	0
Japanese Black Pine C = 0 H = 1	Dothistroma needle blight	<i>Dothistroma</i> sp./spp.	0	1
Japanese Cedar C = 1 H = 0		<i>Seiridium</i> sp./spp.	1	0

Japanese Dogwood; Kousa C = 1 H = 0		No Pathogen Found	1	0
Japanese Maple C = 2 H = 3	Crown and root rot	<i>Phytophthora sp./spp.</i>	0	1
	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
	Root problems	Abiotic disorder	1	0
		<i>Tubakia sp./spp.</i>	1	0
Leyland Cypress C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Leyland Cypress C = 0 H = 3	Environmental stress; Problem	Abiotic disorder	0	1
	Passalora leaf spot	<i>Passalora sp./spp.</i>	0	2
Leyland Cypress C = 3 H = 0		<i>Botryosphaeria sp./spp.</i>	1	0
	Needle cast; Blight	<i>Passalora sequoiae</i>	1	0
	Root rot	<i>Phytophthora sp./spp.</i>	1	0
Loblolly Pine C = 4 H = 0	Rhizosphaera needle cast	<i>Rhizosphaera sp./spp.</i>	1	0
	Southern pine beetle	<i>Dendroctonus frontalis</i>	1	0
	Blue stain	<i>Ceratocystis sp./spp.</i>	1	0
	Lophodermium leaf spot; Needle cast	<i>Lophodermium sp./spp.</i>	1	0
Longleaf Pine C = 2 H = 0		<i>Sphaeropsis sp./spp.</i>	1	0
	Root rot	<i>Phytophthora sp./spp.</i>	1	0
Magnolia C = 6 H = 7	Cultural/environmental problem	Abiotic disorder	0	1
	Site disturbance	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	3
	Insect damage	Unidentified Insect	0	2
		<i>Phytophthora sp./spp.</i>	6	0
Maple C = 1 H = 5	Environmental stress; Problem	Abiotic disorder	0	3
	Wound canker	Abiotic disorder	0	1
	Scale insects	Order homoptera	0	1
	Maple anthracnose	<i>Aureobasidium apocryptum</i>	1	0
Nuttall Oak C = 1 H = 0	Southern fusiforme rust	<i>Cronartium quercuum</i>	1	0
Oak C = 3 H = 6	Obscure scale	<i>Melanaspis obscura</i>	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
	Bacterial wetwood; Slime flux	Various Pathogens	0	1
	Wood decay fungus	Unidentified Fungus	0	1
	Insect Gall	Insect Gall	0	1
	Leaf spot	<i>Tubakia sp./spp.</i>	0	1

		No Pathogen Found	1	0
	Pine oak gall rust	<i>Cronartium quercuum</i>	0	1
	Root rot	<i>Phytophthora sp./spp.</i>	1	0
Pear (Ornamental) C = 0 H = 1	Cedar-quince rust	<i>Gymnosporangium clavipes</i>	0	1
Photinia C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Purpleleaf Plum C = 1 H = 1	Wound canker	Abiotic disorder	0	1
		No Pathogen Found	1	0
Red Maple C = 1 H = 1	Wound canker	Abiotic disorder	0	1
	Maple anthracnose	<i>Aureobasidium apocryptum</i>	1	0
Southern Magnolia C = 1 H = 0		<i>Phytophthora sp./spp.</i>	1	0
Spruce C = 2 H = 0	Spruce spider mite	<i>Oligonychus ununguis</i>	1	0
	Unspecified pathology	<i>Rhizosphaera sp./spp.</i>	1	0
Sugar Maple 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
White Oak C = 2 H = 3	Powdery mildew	<i>Oidium sp./spp.</i>	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
	Wound canker	Abiotic disorder	0	1
		No Pathogen Found	1	0
	Jumping oak gall wasp	<i>Neuroterus saltatorius</i>	1	0

TURF

(Total Diagnoses 182: C=129; H=53)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Annual Ryegrass C = 1 H = 0	Pythium blight; Cottony blight	<i>Pythium</i> sp./spp.	1	0
Bahigrass C = 3 H = 0	Leaf spot	<i>Bipolaris</i> sp./spp.	1	0
	Root rot	Various Fungi	1	0
	Large patch	<i>Rhizoctonia solani</i>	1	0
Bentgrass C = 6 H = 0	Cultural/environmental problem	Abiotic disorder	1	0
	Root problems	Abiotic disorder	1	0
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	2	0
	Black layer of turfgrass	Abiotic disorder	1	0
	Root rot	Various Fungi	1	0
Bermudagrass C = 16 H = 3	Cultural/environmental problem	Abiotic disorder	1	0
	Dense thatch layer	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	1	3
	Root problems	Abiotic disorder	2	0
	Leaf spot	<i>Bipolaris</i> sp./spp.	1	0
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	2	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	1	0
	Root rot	Various Fungi	1	0
	Nematode damage	Unidentified Nematode	1	0
		<i>Bipolaris</i> sp./spp.	2	0
		<i>Rhizoctonia</i> sp./spp.	1	0
	Slime mold	<i>Physarum cinereum</i>	1	0
	Dollar spot	<i>Clariireedia homoeocarpa</i>	1	0
Bermudagrass C = 12 H = 7	Spring dead spot	<i>Ophiosphaerella</i> sp./spp.	1	0
	Melting out (Turfgrass)	<i>Drechslera</i> sp./spp.	1	0
	Cultural/environmental problem	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	0	7
	Poor root development	Abiotic disorder	1	0
	Leaf spot	<i>Bipolaris</i> sp./spp.	3	0
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	1	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	2	0
		<i>Rhizoctonia</i> sp./spp.	1	0
Large patch	<i>Rhizoctonia solani</i>	1	0	
Centipedegrass C = 25 H = 5	Take-all	<i>Gaeumannomyces</i> sp./spp.	2	0
	Nematodes; General plant	Order Tylenchida	1	0
	Cultural/environmental problem	Abiotic disorder	4	0
	Environmental stress; Problem	Abiotic disorder	0	4

	High soil moisture	Abiotic disorder	1	0
	Drainage problem	Abiotic disorder	1	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	4	0
	Root rot	Various Fungi	2	0
		No Pathogen Found	1	0
	Slime mold	Class Myxogastria; Mycetozoa	0	1
	Large patch	<i>Rhizoctonia solani</i>	9	0
Fescues C = 0 H = 7	Environmental stress; Problem	Abiotic disorder	0	7
Perennial Ryegrass C = 5 H = 0	Melting out (Turfgrass)	<i>Drechslera</i> sp./spp.	2	0
	Cultural/environmental problem	Abiotic disorder	1	0
	Pythium blight; Cottony blight	<i>Pythium</i> sp./spp.	1	0
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	1	0
Ryegrass C = 9 H = 0	Soil compaction	Abiotic disorder	3	0
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	3	0
		<i>Rhizoctonia</i> sp./spp.	3	0
St. Augustinegrass C = 19 H = 17	Take-all	<i>Gaeumannomyces</i> sp./spp.	2	2
	Cultural/environmental problem	Abiotic disorder	1	1
	Nutrient imbalance	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	0	14
	High soil moisture	Abiotic disorder	1	0
	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	5	0
	Insects	Class insecta	1	0
	Gray leaf spot	<i>Pyricularia grisea</i>	2	0
	Large patch	<i>Rhizoctonia solani</i>	6	0
Tall Fescue C = 3 H = 0	Pythium blight	<i>Pythium ultimum</i>	1	0
	Brown patch	<i>Rhizoctonia</i> sp./spp.	1	0
	Drainage problem	Abiotic disorder	1	0
Turfgrass C = 0 H = 1	Cultural/environmental problem	Abiotic disorder	0	1
Zoysia Grass C = 30 H = 13	Spring dead spot	<i>Ophiosphaerella</i> sp./spp.	1	0
	Melting out (Turfgrass)	<i>Drechslera</i> sp./spp.	1	0
	Fairy ring	Various Fungi	1	0
	Take-all	<i>Gaeumannomyces</i> sp./spp.	2	0
	Cultural/environmental problem	Abiotic disorder	1	0
	Environmental stress; Problem	Abiotic disorder	4	12
	Drainage problem	Abiotic disorder	1	0
	Root problems	Abiotic disorder	1	0
	Unknown Abiotic disorder	Abiotic disorder	0	1
	Pythium root and/or crown rot	<i>Pythium</i> sp./spp.	1	0

	Root decline of warm season grasses	<i>Gaeumannomyces graminis</i>	2	0
	Root rot	Various Fungi	5	0
		No Pathogen Found	2	0
	Large patch	<i>Rhizoctonia solani</i>	7	0
	Dollar spot	<i>Claviceps homoeocarpa</i>	1	0

VEGETABLES

(Total Diagnoses 266: C=239; H=27)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Bean C = 0 H = 4	Unknown	General	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
	Unknown Abiotic disorder	Abiotic disorder	0	1
	Insect damage	Unidentified Insect	0	1
Bell Pepper C = 2 H = 0		No Pathogen Found	1	0
		Unknown cause	1	0
Bok Choy; Chinese Cabbage C = 1 H = 0	Bacterial soft rot	Unidentified Bacterium	1	0
Broccoli C = 9 H = 0	Black leaf spot	<i>Alternaria brassicicola</i>	1	0
		<i>Alternaria sp./spp.</i>	3	0
		No Pathogen Found	3	0
		Viruses	1	0
	Brassica Downy Mildew	<i>Hyaloperenospora</i>	1	0
Cabbage C = 21 H = 0	Black rot	<i>Xanthomonas campestris</i>	3	0
	Black leaf spot	<i>Alternaria brassicicola</i>	2	0
		<i>Alternaria sp./spp.</i>	2	0
		Mixed bacterial species	1	0
		No Pathogen Found	2	0
		<i>Pseudomonas sp./spp.</i>	1	0
		<i>Rhizoctonia sp./spp.</i>	1	0
		<i>Sclerotinia sclerotiorum</i>	1	0
		Unidentified Agent	1	0
		Unknown cause	3	0
		<i>Xanthomonas campestris</i>	2	0
		<i>Xanthomonas sp./spp.</i>	1	0
	Brassica Downy Mildew	<i>Hyaloperenospora</i>	1	0
Cantaloupe; Cantaloupe C = 12 H = 0	Anthracoese	<i>Colletotrichum orbiculare</i>	1	0
	Unknown Abiotic disorder	Abiotic disorder	1	0
		Begomovirus Group	1	0
		<i>Colletotrichum sp./spp.</i>	2	0
		No Pathogen Found	1	0
		<i>Pythium sp./spp.</i>	1	0
		<i>Xanthomonas sp./spp.</i>	1	0
		<i>Potyvirus sp./spp.</i>	2	0
	Crinivirus Cucurbit Yellow Stunting Disorder Virus	1	0	

		Abiotic disorder	1	0
Carrot C = 1 H = 0		<i>Rhizoctonia</i> sp./spp.	1	0
Cauliflower C = 2 H = 0	Black rot	<i>Xanthomonas campestris</i>	2	0
Collards C = 6 H = 0		<i>Alternaria</i> sp./spp.	2	0
		<i>Cercospora</i> sp./spp.	1	0
		Unknown cause	1	0
		<i>Xanthomonas campestris</i>	1	0
Corn C = 0 H = 1	Corn (Common) smut	<i>Ustilago maydis</i>	0	1
Cucumber C = 2 H = 1	Insect damage	Unidentified Insect	0	1
		<i>Colletotrichum</i> sp./spp.	1	0
		<i>Pseudomonas</i> sp./spp.	1	0
Dill C = 1 H = 0		<i>Sclerotinia sclerotiorum</i>	1	0
Eggplant C = 2 H = 0		No Pathogen Found	1	0
		Unknown cause	1	0
Honeydew melon C = 1 H = 0	Anthracnose	<i>Colletotrichum orbiculare</i>	1	0
Kale C = 11 H = 0	Black rot	<i>Xanthomonas campestris</i>	1	0
		<i>Alternaria</i> sp./spp.	5	0
		<i>Cercospora</i> sp./spp.	1	0
		No Pathogen Found	1	0
		<i>Sclerotinia sclerotiorum</i>	2	0
	Bacterial leaf spot	<i>Xanthomonas raphni</i>	1	0
Lettuce C = 5 H = 0	High soluble salt	Abiotic disorder	1	0
		<i>Cercospora</i> sp./spp.	1	0
		No Pathogen Found	3	0
Lima Bean C = 1 H = 0		<i>Phyllosticta</i> sp./spp.	1	0
Mustard Greens C = 2 H = 0		<i>Cercospora</i> sp./spp.	1	0
		<i>Sclerotinia sclerotiorum</i>	1	0

Okra C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1	
Onion C = 19 H = 0	Leaf streak and bulb rot	<i>Pseudomonas viridiflava</i>	2	0	
	Center rot	<i>Pantoea ananatis</i>	1	0	
		<i>Botrytis</i> sp./spp.	2	0	
		<i>Erwinia</i> sp./spp.	2	0	
		<i>Fusarium</i> sp./spp.	2	0	
		No Pathogen Found	3	0	
		<i>Pantoea ananatis</i>	2	0	
		<i>Pseudomonas</i> sp./spp.	1	0	
		<i>Stemphylium</i> sp./spp.	2	0	
		<i>Xanthomonas</i> sp./spp.	1	0	
		<i>Pantoea</i> sp./spp.	1	0	
Parsley C = 0 H = 1	Cercospora leaf spot	<i>Cercospora</i> sp./spp.	0	1	
Pepper C = 12 H = 1	Sclerotinia blight	<i>Sclerotinia</i> sp./spp.	1	0	
	Bacterial leaf spot	<i>Pseudomonas</i> sp./spp.	1	0	
	Bacterial leaf spot	<i>Xanthomonas</i> sp./spp.	1	0	
	Insect damage	Unidentified Insect	0	1	
		No Pathogen Found	1	0	
		<i>Pectobacterium</i> sp./spp.	1	0	
		<i>Phytophthora</i> sp./spp.	2	0	
		<i>Pseudomonas</i> sp./spp.	1	0	
		<i>Sclerotinia sclerotiorum</i>	1	0	
		<i>Xanthomonas</i> sp./spp.	1	0	
		Southern blight	<i>Sclerotium rolfsii</i>	1	0
			Abiotic disorder	1	0
Potato C = 0 H = 1	Wireworms (Click beetles)	Family Elateridae	0	1	
Radish C = 1 H = 0		No Pathogen Found	1	0	
Rutabaga; Swedish Turnip C = 1 H = 0		No Pathogen Found	1	0	
Snap Bean; Green Bean C = 7 H = 0		<i>Macrophomina</i> sp./spp.	1	0	
		No Virus Found	1	0	
		<i>Pythium</i> sp./spp.	3	0	
		<i>Sclerotinia sclerotiorum</i>	1	0	

	No Pathogen Found	Identification Analysis	1	0
Southern peas; Cowpeas Blackeye Peas C = 4 H = 0	Nutritional deficiency	Abiotic disorder	1	0
		Abiotic disorder	1	0
		No Pathogen Found	1	0
	No Pathogen Found	Identification Analysis	1	0
Spaghetti Squash C = 1 H = 0		No Pathogen Found	1	0
Spinach C = 1 H = 0	Anthracnose	<i>Colletotrichum spinaciae</i>	1	0
Squash C = 6 H = 0	Nutritional deficiency	Abiotic disorder	1	0
	Oedema; Edema	Abiotic disorder	1	0
	Insect damage	Unidentified Insect	1	0
		No Pathogen Found	1	0
		<i>Phytophthora sp./spp.</i>	1	0
		<i>Potyvirus sp./spp.</i>	1	0
Sweet Basil C = 2 H = 0		No Pathogen Found	2	0
Sweetpotato C = 3 H = 0	Sweetpotato scurf	<i>Monilochaetes infuscans</i>	1	0
	Cultural/environmental problem	Abiotic disorder	1	0
		No Virus Found	1	0
Tomato C = 12 H = 0	Nutritional deficiency	Abiotic disorder	2	0
	Bacterial wilt	<i>Ralstonia solanacearum</i>	1	0
		No Pathogen Found	1	0
	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus	1	0
	Tomato yellow leaf curl (TYLCV)	Begomovirus Tomato Yellow Leaf Curl Virus	6	0
	Target spot	<i>Corynespora cassiicola</i>	1	0
Tomato C = 13 H = 17	Unknown	General	0	1
	Chemical injury	Abiotic disorder	1	0
	Chemical; Environmental injury	Abiotic disorder	1	0
	Herbicide drift	Abiotic disorder	0	3
	Cultural/environmental problem	Abiotic disorder	0	3
	Environmental stress; Problem	Abiotic disorder	0	5
	Tomato; Pepper bacterial spot	<i>Xanthomonas campestris</i>	1	0
	Bacterial pathogens	General	0	2
	Insect damage	Unidentified Insect	0	1
		No Pathogen Found	5	0
		<i>Phytophthora capsici</i>	1	0

		<i>Sclerotium rolfsii</i>	1	0
		<i>Xanthomonas sp./spp.</i>	2	0
	Southern blight	<i>Sclerotium rolfsii</i>	0	1
	Root problem	Unknown cause	0	1
	Herbicide injury	Abiotic disorder	1	0
Turnip C = 3 H = 0		<i>Cercospora sp./spp.</i>	2	0
		<i>Rhizoctonia sp./spp.</i>	1	0
Watermelon C = 73 H = 0	Gummy stem blight	<i>Didymella sp./spp.</i>	2	0
	Bacterial fruit blotch	<i>Acidovorax sp./spp.</i>	1	0
	Powdery mildew	<i>Sphaerotheca sp./spp.</i>	2	0
	Chemical; Environmental injury	Abiotic disorder	1	0
	High soluble salt	Abiotic disorder	1	0
	Nutritional deficiency	Abiotic disorder	2	0
	Physiological responses	Abiotic disorder	2	0
	Watermelon Fusarium wilt	<i>Fusarium oxysporum</i>	5	0
		Abiotic disorder	1	0
		<i>Alternaria sp./spp.</i>	1	0
		<i>Botrytis sp./spp.</i>	1	0
		<i>Colletotrichum sp./spp.</i>	2	0
		<i>Fusarium sp./spp.</i>	11	0
		<i>Meloidogyne incognita</i>	1	0
		No Pathogen Found	19	0
		No Virus Found	1	0
		<i>Phytophthora capsici</i>	1	0
		<i>Phytophthora sp./spp.</i>	1	0
		<i>Pseudomonas sp./spp.</i>	5	0
		<i>Pythium sp./spp.</i>	2	0
		<i>Rhizoctonia sp./spp.</i>	4	0
		<i>Stemphylium sp./spp.</i>	1	0
	Rhizoctonia stem rot	<i>Rhizoctonia solani</i>	1	0
		Abiotic disorder	1	0
	Gummy stem blight	<i>Stagonosporopsis citrulli</i>	4	0
Zucchini Squash C = 2 H = 0	Insufficient sample	Identification Analysis	1	0
		<i>Pseudomonas sp./spp.</i>	1	0

WOODY ORNAMENTALS

(Total Diagnoses 228: C=141; H=87)

HOST	DISEASE	CAUSAL ORGANISM	C	H
Abelia C = 2 H = 0	Foliar nematodes	<i>Aphelenchoides</i> sp./spp.	2	0
Anise Tree C = 2 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
		<i>Sphaeropsis</i> sp./spp.	1	0
Arborvitae C = 1 H = 0	Root problem	Unknown cause	1	0
Aucuba C = 0 H = 1	Phytophthora stem rot	<i>Phytophthora</i> sp./spp.	0	1
Azalea; Rhododendron C = 2 H = 6	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	2
		<i>Pseudocercospora</i> sp./spp.	1	0
	Root problem	Unknown cause	0	1
	Root rot	<i>Phytophthora</i> sp./spp.	1	2
Bamboo C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Bigleaf Hydrangea C = 3 H = 0		<i>Rhizoctonia</i> sp./spp.	1	0
	Unspecified pathology	<i>Pseudomonas</i> sp./spp.	1	0
	Root rot	<i>Phytophthora</i> sp./spp.	1	0
Boxwood C = 49 H = 23	Boxwood leafminer	<i>Monarthropalpus flavus (buxi)</i>	2	2
	Chemical injury	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	12
	Root problems	Abiotic disorder	0	1
		<i>Colletotrichum</i> sp./spp.	9	0
		No Pathogen Found	3	0
	Boxwood blight; Leaf and stem blight	<i>Calonectria pseudonaviculata</i>	14	7
	Root problem	Unknown cause	2	0
	Boxwood Macrophoma leaf spot	<i>Dothiorella candollei</i>	2	0
	Root rot	<i>Phytophthora</i> sp./spp.	4	0
	Boxwood Volutella blight; Canker	<i>Pseudonectria buxi</i>	13	0

Burford Holly C = 1 H = 0		No Pathogen Found	1	0
Camellia C = 7 H = 6	Cultural/environmental problem	Abiotic disorder	0	1
	Environmental stress; Problem	Abiotic disorder	0	4
	Viruses	Viruses	2	0
	Insect damage	Unidentified Insect	0	1
		<i>Colletotrichum sp./spp.</i>	1	0
		No Pathogen Found	1	0
	Root rot	<i>Phytophthora sp./spp.</i>	3	0
Cherry laurel C = 3 H = 0		No Pathogen Found	3	0
Chinese Fringe-flower C = 0 H = 2	Unknown	General	0	1
	Unknown Abiotic disorder	Abiotic disorder	0	1
Chinese Privet C = 3 H = 0	Root girdling	Abiotic disorder	1	0
	Root rot	<i>Phytophthora sp./spp.</i>	2	0
Common Boxwood C = 23 H = 0		<i>Colletotrichum sp./spp.</i>	1	0
		No Pathogen Found	5	0
	Boxwood blight; Leaf and stem blight	<i>Calonectria pseudonaviculata</i>	13	0
	Root problem	Unknown cause	1	0
	Boxwood Volutella blight; Canker	<i>Pseudonectria buxi</i>	3	0
Common Gardenia; Cape Jasmine C = 2 H = 0	Root rot	<i>Phytophthora sp./spp.</i>	2	0
Confederate (Star-j.) Jasmine C = 1 H = 1		No Pathogen Found	1	0
	Root problem	Unknown cause	0	1
Crape Myrtle C = 0 H = 2	Powdery mildew	<i>Oidium sp./spp.</i>	0	1
	Adventitious buds	Abiotic disorder	0	1
Devils Walking Stick	Mushroom	Unidentified Fungus	0	1

C = 0 H = 1				
Distylium C = 0 H = 2	Mites	Order Acari	0	1
		No Pathogen Found	0	1
Dogwood C = 0 H = 2	Powdery mildew	<i>Oidium</i> sp./spp.	0	1
	Environmental stress; Problem	Abiotic disorder	0	1
Edging Boxwood C = 1 H = 0	Boxwood blight; Leaf and stem blight	<i>Calonectria pseudonaviculata</i>	1	0
English Ivy C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Eucalyptus C = 1 H = 0	Leaf spot	<i>Cristulariella</i> sp./spp.	1	0
Falsecypress C = 1 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
	Root rot	<i>Phytophthora</i> sp./spp.	1	0
Florida Anisetree C = 0 H = 1	Algal leaf spot	<i>Cephaleuros</i> sp./spp.	0	1
Gardenia C = 1 H = 0		No Pathogen Found	1	0
Glossy Abelia C = 1 H = 0	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
Hawthorn C = 0 H = 1	Entomosporium leaf spot	<i>Entomosporium</i> sp./spp.	0	1
Hibiscus C = 0 H = 1	Root problems	Abiotic disorder	0	1
Holly C = 3 H = 6	Phytophthora stem rot	<i>Phytophthora</i> sp./spp.	0	1
	Environmental stress; Problem	Abiotic disorder	0	3
	Root problems	Abiotic disorder	0	1
	Root rot	<i>Phytophthora</i> sp./spp.	3	1

Hydrangea C = 5 H = 3	Phytophthora stem rot	<i>Phytophthora sp./spp.</i>	0	1
	Crown and root rot	<i>Phytophthora sp./spp.</i>	1	0
	Environmental stress; Problem	Abiotic disorder	0	1
		No Pathogen Found	1	0
	Root problem	Unknown cause	0	1
		<i>Potyvirus sp./spp.</i>	1	0
	Root rot	<i>Phytophthora sp./spp.</i>	2	0
Indian Hawthorn C = 0 H = 4	Entomosporium leaf spot	<i>Entomosporium sp./spp.</i>	0	2
	Environmental stress; Problem	Abiotic disorder	0	1
	Root problems	Abiotic disorder	0	1
Japanese Maple C = 0 H = 1	Wound canker	Abiotic disorder	0	1
Japanese Privet C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Jasmine C = 1 H = 1	Root rot	Various Fungi	0	1
	Root rot	<i>Phytophthora sp./spp.</i>	1	0
Juniper C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Korean Boxwood C = 1 H = 0	Boxwood blight; Leaf and stem blight	<i>Calonectria pseudonaviculata</i>	1	0
Korean Boxwood C = 8 H = 0	Boxwood leafminer	<i>Monarthropalpus flavus (buxi)</i>	1	0
		<i>Colletotrichum sp./spp.</i>	3	0
		No Pathogen Found	2	0
	Boxwood blight; Leaf and stem blight	<i>Calonectria pseudonaviculata</i>	1	0
	Boxwood Volutella blight; Canker	<i>Pseudonectria buxi</i>	1	0
Leyland Cypress C = 0 H = 1	Unknown Abiotic disorder	Abiotic disorder	0	1
Ligustrum; Privet C = 3 H = 3	Environmental stress; Problem	Abiotic disorder	0	1
		No Pathogen Found	1	0
	No Pathogen Found	Identification Analysis	1	0
	Crown rot; Root rot; Stem rot	<i>Phytophthora sp./spp.</i>	0	1
	Root problem	Unknown cause	0	1

	Root rot	<i>Phytophthora</i> sp./spp.	1	0
Loropetalum; Chinese Fringe Flower C = 5 H = 0	Leaf spot	<i>Pseudocercospora</i> sp./spp.	1	0
		Abiotic disorder	1	0
		<i>Pseudocercospora</i> sp./spp.	2	0
	Root rot	<i>Phytophthora</i> sp./spp.	1	0
Multiple hosts C = 1 H = 0		Unidentified Agent	1	0
Osmanthus C = 2 H = 0		<i>Colletotrichum</i> sp./spp.	1	0
	Root rot	<i>Phytophthora</i> sp./spp.	1	0
Pearl Bush C = 2 H = 0		<i>Colletotrichum</i> sp./spp.	1	0
	Root rot	<i>Phytophthora</i> sp./spp.	1	0
Pittosporum C = 0 H = 1	Leaf spot	<i>Pseudocercospora pittospori</i>	0	1
Plum-yew C = 0 H = 1	Root rot	Various Fungi	0	1
Prunus C = 1 H = 0		No Pathogen Found	1	0
Rose C = 2 H = 8	Bacterial blight	<i>Xanthomonas</i> sp./spp.	1	0
	Unknown	General	0	1
	Crown and root rot	<i>Phytophthora</i> sp./spp.	1	0
	Roseslug	<i>Endelomyia aethiops</i>	0	1
	Environmental stress; Problem	Abiotic disorder	0	2
	Root problems	Abiotic disorder	0	1
	Rose rosette disease (RRV)	Emaravirus Rose Rosette Virus	0	2
	Black spot (Rose)	<i>Diplocarpon rosae</i>	0	1
Sakaki C = 0 H = 1	Environmental stress; Problem	Abiotic disorder	0	1
Sawara Falsecypress C = 1	Environmental stress; Problem	Abiotic disorder	0	1
	Root problem	Unknown cause	1	0

H = 1				
Thorny Olive		No Pathogen Found	1	0
C = 2	Root problem	Unknown cause	1	0
H = 0				
Unknown; No Site Specified	Root problems	Abiotic disorder	0	1
C = 0				
H = 1				
Wax Myrtle	Environmental stress; Problem	Abiotic disorder	0	1
C = 0				
H = 1				