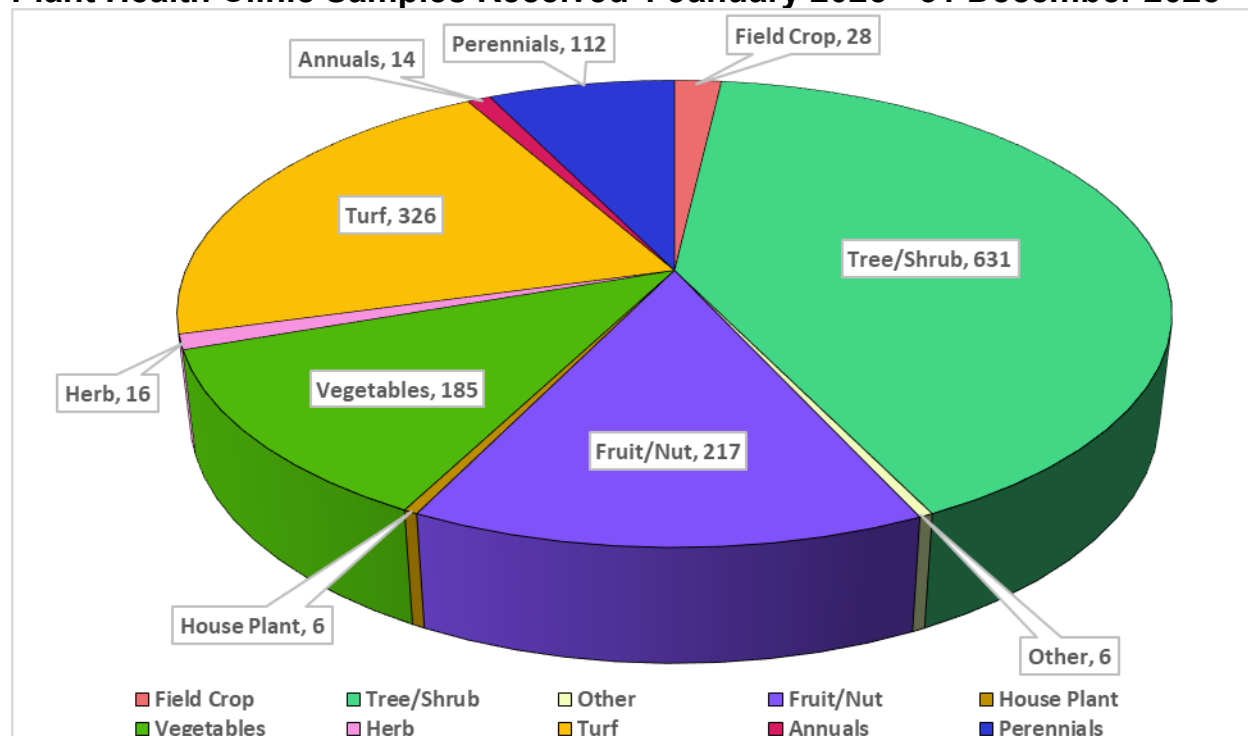


## Plant Health Clinic 2025 Summary Report

The Plant Health Clinic received 1,663 plant samples for calendar year 2025 and diagnosed 1,515 of them. Of those 1,469 of them were diagnosed in 2025 and 46 of them were diagnosed on or before 12 January 2026. Due to staffing constraints, 26 plant samples deteriorated in storage before they could be diagnosed. Also due to staffing constraints and the scope of this diagnostic service, limitations were placed on submissions from high-volume submitters. Accordingly, 122 samples received between 21 April 2025 and 29 May 2025, of which 106 were turf and 16 were tree/shrub, were not processed and are excluded from the tables and figures presented here.

### Plant Health Clinic Samples Received 1 January 2025 - 31 December 2025



Horticultural samples continue to follow the trend of recent years by comprising the largest percentage of samples received. The largest category of samples in 2025 was Tree/Shrub (41%) with 631 samples, followed by Turf (21.2%) with 326

samples, Fruit/Nut (14.1%) with 217 samples, Vegetables (12%) with 185 samples, Perennials (7.3%) with 112 samples, Field Crops (1.8%) with 28 samples, Herbs (1%) with 16 samples, Annuals (0.9%) with 14 samples, House Plants (0.4%) with 6 samples, and mosses, weeds, forage, and ground cover; vines making up the remaining (0.3%).

<b>Plant Health Clinic Samples Received by Commodity</b>	<b>Number of Samples Submitted</b>	<b>Percent of Total</b>
Annuals	14	0.91
Aquatic Plant	0	0.00
Field Crop	28	1.82
Food Additive	0	0.00
Forage	1	0.07
Fruit/Nut	217	14.08
Ground Cover; Vine	1	0.07
Herb	16	1.04
House Plant	6	0.39
Moss	2	0.13
Mushroom	0	0.00
Non-Plant Material	0	0.00
Perennials	112	7.27
Tree/Shrub	631	40.95
Turf	326	21.16
Unknown	0	0.00
Vegetables	185	12.01
Weed	2	0.13
<b>Total</b>	<b>1541</b>	

<b>District</b>	<b>Plant Health Samples Submitted</b>	<b>Percent of Total</b>
Out of State	24	1.56
Delta	266	17.26
Ouachita	623	40.43
Ozark	628	40.75
<b>Total</b>	<b>1541</b>	

<b>County</b>	<b>Plant Health Samples Submitted</b>	<b>County</b>	<b>Plant Health Clinic Samples Submitted</b>
Arkansas	6	Ashley	0
Baxter	66	Benton	51
Boone	19	Bradley	31
Calhoun	0	Carroll	4
Chicot	4	Clark	22
Clay	9	Cleburne	9
Cleveland	0	Columbia	11
Conway	0	Craighead	50
Crawford	10	Crittenden	24
Cross	8	Dallas	0
Desha	4	Drew	0
Faulkner	62	Franklin	4
Fulton	3	Garland	98
Grant	15	Greene	2
Hempstead	5	Hot Spring	4
Howard	1	Independence	7
Izard	5	Jackson	30
Jefferson	2	Johnson	12
Lafayette	2	Lawrence	4
Lee	8	Lincoln	0
Little River	11	Logan	5
Lonoke	6	Madison	0
Marion	7	Miller	10
Mississippi	3	Monroe	5
Montgomery	3	Nevada	0
Newton	0	Ouchita	0
Perry	0	Phillips	19
Pike	1	Poinsett	5
Polk	12	Pope	37
Prairie	2	Pulaski	309
Randolph	2	Saline	67
Scott	1	Searcy	2
Sebastian	28	Sevier	18
Sharp	1	St. Francis	5
Stone	5	Union	2
Van Buren	1	Washington	290
White	65	Woodruff	3
Yell	0	Out of State	24
Total	1541		

Day of Week Sample Arrived	Plant Health Samples Submitted	Percent of Total Pike
Monday	378	24.53
Tuesday	168	10.90
Wednesday	252	16.35
Thursday	365	23.69
Friday	378	24.53
<b>Total</b>	<b>1541</b>	

Month	Plant Health Samples Submitted
<b>January</b>	<b>41</b>
Week 1	6
Week 2	0
Week 3	16
Week 4	11
Week 5	8
<b>February</b>	<b>55</b>
Week 6	20
Week 7	4
Week 8	12
Week 9	19
<b>March</b>	<b>77</b>
Week 10	16
Week 11	16
Week 12	11
Week 13	25
Week 14	9 (20 for weekly total)
<b>April</b>	<b>177</b>
Week 14	11 (20 for weekly total)
Week 15	36
Week 16	54
Week 17	50
Week 18	26 (81 for weekly total)
<b>May</b>	<b>363</b>
Week 18	55 (81 for weekly total)
Week 19	81
Week 20	92
Week 21	96
Week 22	39
<b>June</b>	<b>185</b>
Week 23	53
Week 24	56
Week 25	32

Month	Plant Health Samples Submitted
<b>June</b>	
Week 26	38
Week 27	6 (27 for weekly total)
<b>July</b>	<b>175</b>
Week 27	21 (27 for weekly total)
Week 28	55
Week 29	39
Week 30	32
Week 31	28
<b>August</b>	<b>134</b>
Week 32	6
Week 33	54
Week 34	30
Week 35	44
<b>September</b>	<b>122</b>
Week 36	18
Week 37	25
Week 38	44
Week 39	32
Week 40	3 (18 for weekly total)
<b>October</b>	<b>123</b>
Week 40	15 (18 for weekly total)
Week 41	47
Week 42	14
Week 43	36
Week 44	11
<b>November</b>	<b>55</b>
Week 45	23
Week 46	15
Week 47	8
Week 48	9
<b>December</b>	<b>34</b>
Week 49	7
Week 50	9
Week 51	17
Week 52	1
<b>Total</b>	<b>1541</b>

Month	Plant Health Samples Diagnosed
<b>January</b>	<b>41</b>
Week 1	6
Week 2	0
Week 3	16
Week 4	11
Week 5	8
<b>February</b>	<b>35</b>
Week 6	10
Week 7	14
Week 8	0
Week 9	11
<b>March</b>	<b>93</b>
Week 10	36
Week 11	4
Week 12	23
Week 13	17
Week 14	13 (28 for weekly total)
<b>April</b>	<b>144</b>
Week 14	15 (28 for weekly total)
Week 15	28
Week 16	35
Week 17	38
Week 18	28 (44 for weekly total)
<b>May</b>	<b>141</b>
Week 18	16 (44 for weekly total)
Week 19	33
Week 20	37
Week 21	33
Week 22	22
<b>June</b>	<b>174</b>
Week 23	40
Week 24	40
Week 25	50
Week 26	36
Week 27	8 (43 for weekly total)
<b>July</b>	<b>208</b>
Week 27	35 (43 for weekly total)
Week 28	51
Week 29	44
Week 30	21
Week 31	57
<b>August</b>	<b>146</b>
Week 32	1
Week 33	55

Month	Plant Health Samples Diagnosed
<b>August</b>	
Week 34	44
Week 35	46
<b>September</b>	<b>152</b>
Week 36	49
Week 37	27
Week 38	33
Week 39	31
Week 40	12 (32 for weekly total)
<b>October</b>	<b>169</b>
Week 40	20 (32 for weekly total)
Week 41	47
Week 42	38
Week 43	50
Week 44	14
<b>November</b>	<b>73</b>
Week 45	8
Week 46	38
Week 47	20
Week 48	7
<b>December</b>	<b>93</b>
Week 49	8
Week 50	42
Week 51	38
Week 52	5
<b>Total</b>	<b>1469</b>

### Comprehensive Host-Disease Diagnosis List

#### Annuals

##### Caladium; Elephant Ear

1	Insufficient sample	Incomplete submission
	Total for Caladium;	
1	Elephant Ear	

##### Cosmos

1	Rhizoctonia root and stem rot	Rhizoctonia solani
1	Total for Cosmos	

##### Dahlia

1	Beetles	Order Coleoptera
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	Cucumber mosaic (CMV) - Not	
1	Detected	Cucumovirus Cucumber Mosaic Virus
1	Dahlia mosaic (DMV)	Caulimoviridae Dahlia Mosaic Virus
	Impatiens necrotic spot (INSV) -	
1	Not Detected	Tospovirus Impatiens Necrotic Spot Virus
1	Lab comments	Lab notes
	Leafy gall; Bacterial fasciation -	
1	Suspected	Rhodococcus fascians
	Potyvirus Group - Not	
1	Detected	Potyvirus Group
	Tobacco mosaic (TMV) - Not	
1	Detected	Tobamovirus Tobacco Mosaic Virus
	Tobacco streak (TSV) - Not	
1	Detected	Ilarvirus Tobacco Streak Virus
	Tomato spotted wilt (TSWV) -	
1	Not Detected	Tospovirus Tomato Spotted Wilt Virus
10	Total for Dahlia	
Hibiscus Hybrid		
1	Fungal leaf spot	Unidentified Fungus
	Total for Hibiscus	
1	Hybrid	
Lantana		
1	Root rot - Suspected	Unidentified Agent
1	Total for Lantana	
Madagascar Periwinkle; Vinca		
1	Crown and root rot	Phytophthora sp./spp.
	Total for Madagascar	
1	Periwinkle; Vinca	
Marigold		
1	Insect damage	Class Insecta
1	True bugs	Order Hemiptera
2	Total for Marigold	
Periwinkle - Annual		
1	Crown and root rot	Phytophthora sp./spp.
	Total for Periwinkle -	
1	Annual	
Poinsettia		
	Fusarium root; Crown	
1	rot	Fusarium sp./spp.
1	Total for Poinsettia	



## Snapdragon

1	Snapdragon rust	Puccinia antirrhini
1	Total for Snapdragon	

## Violas (Violet; Pansy)

1	Spider mites	Family Tetranychidae
	Total for Violas (Violet;	
1	Pansy)	

## Zinnia

	Insect damage -	
1	Suspected	Class Insecta
1	Powdery mildew	Golovinomyces sp./spp.
1	Root rot - Suspected	Unidentified Agent
3	Total for Zinnia	

## Field Crop

### Cotton

	Herbicide injury G#4 Synthetic	
1	auxin - Suspected	Abiotic disorder
1	Total for Cotton	

### Field Corn

1	Anthracnose leaf blight	Colletotrichum graminicola
1	Common corn rust	Puccinia sorghi
1	Fusarium crown rot	Fusarium sp./spp.
	Maize chlorotic mottle	
1	(MCMV)	Machlomovirus Maize Chlorotic Mottle Virus
1	Maize dwarf mosaic	Various viruses
	Northern corn leaf blight; Leaf	
1	spot	Exserohilum turcicum
1	Southern leaf blight	Bipolaris maydis
7	Total for Field Corn	

### Hay (Silage)

	Fusarium stem rot; Fusarium	
1	stalk rot	Fusarium sp./spp.
1	Total for Hay (Silage)	

### Rice

	Cercospora leaf spot - Not	
1	Detected	Cercospora sp./spp.
1	Crown sheath rot	Gaeumannomyces graminis

	Curvularia blight; Leaf	
1	spot	Curvularia sp./spp.
2	Lab comments	Lab notes
	Nutritional deficiency -	
2	Suspected	Abiotic disorder
	Pythium root and/or	
1	crown rot	Pythium sp./spp.
1	Rice leaf smut	Entyloma oryzae
	Rice narrow brown leaf	
1	spot	Sphaerulina oryzina
1	Sheath blight	Rhizoctonia sp./spp.
1	Stackburn disease	Trichoconiella padwickii
1	Stem rot - Not Detected	Nakataea oryzae
	Straighthead in rice -	
1	Suspected	Unidentified Agent
1	Zonate leaf spot	Drechslera gigantea
15	Total for Rice	
Sorghum		
	Fusarium stem rot; Fusarium	
1	stalk rot	Fusarium sp./spp.
	Northern corn leaf blight; Leaf	
2	spot	Exserohilum turcicum
3	Total for Sorghum	
Soybean		
3	Charcoal rot	Macrophomina phaseolina
	Chemical injury -	
1	Suspected	Abiotic disorder
	Crown rot; Root rot;	
1	Stem rot	Phytophthora sp./spp.
	Fusarium root; Crown	
1	rot	Fusarium sp./spp.
1	Heat stress - Suspected	Abiotic disorder
	Herbicide injury - Not	
1	Detected	Abiotic disorder
1	Insect damage	Class Insecta
2	Lab comments	Lab notes
2	Leaf spot	Phyllosticta sp./spp.
	Neocosmospora root or	
1	fruit rot	Neocosmospora vasinfecta
1	No pathogen found	No Detection
	Nutritional deficiency -	
1	Suspected	Abiotic disorder
	Red crown rot - Not	
1	Detected	Calonectria ilicicola
	Rhizoctonia crown and	
1	root rot	Rhizoctonia solani

2	Rhizoctonia root rot	Rhizoctonia solani
1	Rhizoctonia root rot	Rhizoctonia sp./spp.
	Soybean bacterial	
1	pustule	Xanthomonas campestris pv. glycines
1	Soybean brown stem rot	Cadophora gregata
	Soybean brown stem rot -	
1	Suspected	Cadophora gregata
	Soybean Phytophthora - Not	
1	Detected	Phytophthora sojae
	Soybean Phytophthora root and	
1	stem rot	Phytophthora sojae
	Soybean pod and stem blight -	
1	Not Detected	Diaporthe phaseolorum var. sojae
2	Soybean stem borer	Dectes texanus
	Soybean sudden death	
1	syndrome - Not Detected	Fusarium virguliforme
1	Thrips	Order Thysanoptera
1	Twospotted spider mite	Tetranychus urticae
1	Viruses - Suspected	Viruses
1	Whiteflies	Family Aleyrodidae
34	Total for Soybean	

#### Wheat

1	Insufficient sample	Incomplete submission
1	Rhizoctonia root rot	Rhizoctonia sp./spp.
2	Total for Wheat	

#### Forage

##### Bermudagrass - Forage

	Pythium blight; Cottony	
1	blight	Pythium sp./spp.
	Total for Bermudagrass	
1	- Forage	

#### Fruit/Nut

##### American Plum

	Butterflies; Moths;	
1	Caterpillars	Order Lepidoptera
1	No pathogen found	No Detection
2	Total for American Plum	

#### Black Raspberry

	Cane blight; Canker -	
1	Suspected	Paraconiothyrium fuckelii
1	Crown and root rot	Phytophthora sp./spp.

1	Root rot	Phytophthora sp./spp.
1	Verticillium wilt	Verticillium sp./spp.
	Total for Black	
4	Raspberry	

#### Blackberry

1	Aphids; Plant lice	Family Aphididae
	Bacterial blight - Not	
1	Detected	Xanthomonas sp./spp.
1	Cane and leaf rust	Kuehneola uredinis
1	Cane blight; Canker	Leptosphaeria coniothyrium
	Chemical injury -	
1	Undetermined	Abiotic disorder
1	Crown and root rot	Phytophthora sp./spp.
	Crown and root rot - Not	
2	Detected	Phytophthora sp./spp.
	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
	Eriophyid mites - Not	
1	Detected	Family Eriophyidae
1	Fire blight	Erwinia amylovora
	Fire blight - Not	
1	Detected	Erwinia amylovora
	Freeze; Frost; Cold damage -	
1	Suspected	Abiotic disorder
2	No pathogen found	No Detection
	Non-pathogenic;	
1	Saprophyte	Secondary Agents; Saprophytes; Unspecif.
3	Oedema; Edema	Abiotic disorder
	Pythium damping off -	
1	Suspected	Pythium sp./spp.
	Pythium root and/or	
1	crown rot	Pythium sp./spp.
4	Raspberry leaf spot	Pseudocercospora rubi
25	Total for Blackberry	

#### Blueberry

1	Alternaria leaf blight	Alternaria sp./spp.
	Bacterial leaf scorch - Not	
1	Detected	Xylella fastidiosa
1	Bacterial leaf spot	Burkholderia andropogonis
	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
	Flea beetles -	
1	Suspected	Subfamily Galerucinae; Tribe Alticini
1	High pH damage	Abiotic disorder
	High pH damage -	
1	Undetermined	Abiotic disorder

2	Insect damage	Class Insecta
1	Iron deficiency	Abiotic disorder
1	Mechanical damage	Abiotic disorder
1	No pathogen found	No Detection
	Non-pathogenic;	
2	Saprophyte	Secondary Agents; Saprophytes; Unspecif.
	Phomopsis canker and twig	
1	blight - Not Detected	Diaporthe vaccinii
	Phytophthora root and	
1	crown rot	Phytophthora cinnamomi
1	Root rot - Undetermined	Unidentified Agent
1	Scorch - Suspected	Abiotic disorder
	Septoria leaf spot; Stem	
1	canker	Septoria albopunctata
1	Spiders	Order Araneae
20	Total for Blueberry	

#### Cantalope; Cantaloupe

	Cucurbit gummy stem	
1	blight	Stagonosporopsis curcubitacearum
1	Melon Fusarium wilt	Fusarium oxysporum f sp melonis
	Total for Cantalope;	
2	Cantaloupe	

#### Commercial Strawberry; Garden Strawberry

1	Alternaria leaf blight	Alternaria sp./spp.
2	Aphids; Plant lice	Family Aphididae
1	Botrytis blight	Botrytis sp./spp.
1	Botrytis fruit rot	Botrytis sp./spp.
4	Crown and root rot	Phytophthora sp./spp.
	Crown and root rot - Not	
4	Detected	Phytophthora sp./spp.
2	Crown rot; Stem rot	Neopestalotiopsis sp./spp.
1	Excessive water	Abiotic disorder
1	Leaf spot	Neopestalotiopsis sp./spp.
	Neopestalotiopsis - Not	
1	Detected	Neopestalotiopsis sp./spp.
1	No pathogen found	No Detection
	Pythium root and/or	
1	crown rot	Pythium sp./spp.
	Verticillium wilt	
1	(Strawberry)	Verticillium sp./spp.
21	Total for Commercial Strawberry; Garden Strawberry	

#### Common Apple

1	Apple scab	Venturia inaequalis
1	Bitter rot	Colletotrichum gloeosporioides

2	Cedar-apple rust	<i>Gymnosporangium juniperi-virginianae</i>
1	Copper toxicity	Abiotic disorder
7	Fire blight	<i>Erwinia amylovora</i>
1	Fire blight - Suspected	<i>Erwinia amylovora</i>
1	Insect damage	Class Insecta
1	Lichens	Lichenes
2	No pathogen found	No Detection
	Nutritional deficiency -	
1	Suspected	Abiotic disorder
1	Pollen	Abiotic disorder
1	Russeting	Abiotic disorder
1	Rust	<i>Gymnosporangium</i> sp./spp.
	Sooty blotch flyspeck	
1	complex	Various Fungi
1	Spider mites	Family Tetranychidae
	White spot; Pear leaf	
2	fleck	<i>Septoria pyricola</i>
25	Total for Common Apple	

#### Common Fig

1	Bacterial leaf spot	Unidentified Bacteria
1	Total for Common Fig	

#### Common Persimmon

1	Root rot - Suspected	Unidentified Agent
	Total for Common	
1	Persimmon	

#### Domestic Apple

1	Apple scab	<i>Venturia inaequalis</i>
1	Bitter rot	<i>Colletotrichum gloeosporioides</i>
1	Burr knot	Abiotic disorder
1	Cedar-apple rust	<i>Gymnosporangium juniperi-virginianae</i>
1	Cicada egg-laying injury	Family Cicadidae
1	Fire blight	<i>Erwinia amylovora</i>
1	Hypoxylon canker	<i>Biscogniauxia atropunctata</i>
1	Insect damage	Class Insecta
	Phomopsis canker; Rough bark	
1	- Suspected	<i>Diaporthe pernicios</i>
	Phomopsis dieback; Tip blight;	
1	Canker	<i>Phomopsis</i> sp./spp.
1	Rust	<i>Gymnosporangium</i> sp./spp.
	Total for Domestic	
11	Apple	

#### Goji; Wolfberry

1	No pathogen found	No Detection
1	Total for Goji; Wolfberry	
Gopher Apple		
1	Insect damage	Class Insecta
1	Spider mites	Family Tetranychidae
	White spot; Pear leaf	
1	fleck	Septoria pyricola
3	Total for Gopher Apple	
Grape		
	Armillaria root rot -	
1	Suspected	Armillaria sp./spp.
3	Black rot	Phyllosticta ampellicida
2	Crown and root rot	Phytophthora sp./spp.
1	Grape powdery mildew	Erysiphe necator var. necator
	Grapevine leafroll (GLRaV-3) -	Ampelovirus Grapevine Leafroll Associated
2	Not Detected	Virus 3
	Grapevine red blotch (GRBaV) -	Incertae sedis Grapevine Red Blotch
2	Not Detected	Associated Virus
	Grapevine rupestris stem	Foveavirus Grapevine Rupestris Stem Pitting-
2	pitting-assoc	assoc
1	Insect damage	Class Insecta
	Insect damage -	
2	Suspected	Class Insecta
3	Leaf blight	Pseudocercospora vitis
1	No pathogen found	No Detection
1	Ripe rot	Colletotrichum sp./spp.
21	Total for Grape	
Hazelnut; Filbert Nut		
1	Insect damage	Class Insecta
	Total for Hazelnut;	
1	Filbert Nut	
Highbush Blueberry		
	Anthraxnose - Not	
1	Detected	Colletotrichum sp./spp.
	Canker; Stem blight; Dieback -	
1	Not Detected	Botryosphaeria dothidea
	Phomopsis canker and twig	
1	blight - Not Detected	Diaporthe vaccinii
	Phytophthora root and	
1	crown rot	Phytophthora cinnamomi
	Total for Highbush	
4	Blueberry	

#### Jamaica Mandarin Orange

1	Lab notes	Lab comments
1	Scale insects	Order Homoptera
	Total for Jamaica Mandarin	
2	Orange	

#### Lemon

	Nutritional deficiency -	
1	Suspected	Abiotic disorder
1	Total for Lemon	

#### Meyer Lemon

1	Citrus greasy spot	Zasmidium citri
	Insect damage -	
1	Suspected	Class Insecta
2	Total for Meyer Lemon	

#### Mulberry (For Fruit)

1	Lab comments	Lab notes
1	No pathogen found	No Detection
	Total for Mulberry (For	
2	Fruit)	

#### Muscadine Grape

	Canker; Stem blight; Dieback -	
1	Suspected	Botryosphaeria dothidea
	Total for Muscadine	
1	Grape	

#### Nectarine

1	Scab	Venturia carpophila
1	Total for Nectarine	

#### Paradise Apple

1	Cedar-apple rust	Gymnosporangium juniperi-virginianae
1	Total for Paradise Apple	

#### Peach

4	Bacterial leaf spot	Xanthomonas arboricola pv. pruni
	Bacterial leaf spot -	
1	Suspected	Xanthomonas arboricola pv. pruni
1	Brown rot	Monilia sp./spp.
1	Canker; Dieback	Valsa leucostoma
	Chemical injury -	
2	Suspected	Abiotic disorder



	Fire blight - Not	
1	Detected	Erwinia amylovora
1	Fungal leaf spot	Unidentified Fungus
	Insect damage -	
3	Suspected	Class Insecta
2	Insufficient sample	Incomplete submission
1	Lab comments	Lab notes
	Mechanical damage -	
1	Suspected	Abiotic disorder
1	No pathogen found	No Detection
	Nutritional deficiency -	
1	Suspected	Abiotic disorder
1	Oriental fruit moth	Grapholita molesta
3	Scab	Venturia carpophila
1	Scale insects	Order Homoptera
	Wood boring insect	
1	damage	Class Insecta
26	Total for Peach	

#### Pear

	Fabraea leaf and fruit	
1	spot	Diplocarpon mespili
5	Fire blight	Erwinia amylovora
1	Lichens	Lichenes
1	No pathogen found	No Detection
1	Rust	Gymnosporangium sp./spp.
9	Total for Pear	

#### Pear (For Fruit)

3	Fire blight	Erwinia amylovora
	Frogeye leaf spot; Black	
1	rot	Botryosphaeria obtusa
1	Honeydew	Order Hemiptera
1	Insect damage	Class Insecta
1	Pear scab	Venturia pyrina
1	Rust	Gymnosporangium sp./spp.
	White spot; Pear leaf	
1	fleck	Septoria pyricola
9	Total for Pear (For Fruit)	

#### Pecan

2	Alternaria leaf blight	Alternaria sp./spp.
1	Aphids; Plant lice	Family Aphididae
	Bacterial leaf scorch - Not	
2	Detected	Xylella fastidiosa
1	Bark damage	Abiotic disorder

	Black pecan aphid -	
1	Suspected	Melanocallis caryaefoliae
1	Blackmargined aphid	Monellia caryella
	Butterflies; Moths;	
1	Caterpillars	Order Lepidoptera
	Chemical injury -	
7	Suspected	Abiotic disorder
	Chemical; Environmental injury	
2	- Suspected	Abiotic disorder
	Drought stress damage -	
1	Undetermined	Abiotic disorder
	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
1	Heat and water stress	Abiotic disorder
	Herbicide injury -	
1	Undetermined	Abiotic disorder
3	Insect damage	Class Insecta
2	Lab comments	Lab notes
1	Lacewing	Micromus sp./spp.
	Natural senescence -	
1	Suspected	Abiotic disorder
7	No pathogen found	No Detection
1	Oak petiole gall wasp	Andricus quercuspetiolicola
1	Pecan Phylloxera	Phylloxera devastatrix
	Pecan serpentine	
1	leafminer	Cameraria caryaefoliella
2	Pecan shuck decline	Abiotic disorder
2	Pecan weevil	Curculio caryae
6	Pecan; Hickory scab	Fusicladium caryigenum
2	Sooty mold	Unidentified Fungus
1	Spider mites	Family Tetranychidae
3	Stink bugs	Family Pentatomidae
	Wood boring insect	
2	damage	Class Insecta
57	Total for Pecan	

#### Plum

1	Anthraxnose	Colletotrichum sp./spp.
1	Black knot	Apiosporina morbosa
	Codling moth -	
1	Suspected	Cydia pomonella
1	Copper toxicity	Abiotic disorder
1	Fusarium fruit rot	Fusarium sp./spp.
1	Insect damage	Class Insecta
6	Total for Plum	

#### Raspberry

Fire blight - Not	
1 Detected	Erwinia amylovora
1 Insect damage	Class Insecta
1 Leaf spot	Sphaerulina rubi
2 Raspberry leaf spot	Pseudocercospora rubi
1 Root rot - Suspected	Phytophthora sp./spp.
Septoria leaf and cane	
1 spot	Sphaerulina westendorpii
1 Spider mites	Family Tetranychidae
2 Spot anthracnose	Elsinoe veneta
Tobacco ringspot (TRSV) - Not	
1 Detected	Nepovirus Tobacco Ringspot Virus
Tomato ringspot	
1 (ToRSV)	Nepovirus Tomato Ringspot Virus
12 Total for Raspberry	

#### Red Mulberry

Wood boring insect damage -	
1 Suspected	Class Insecta
1 Total for Red Mulberry	

#### Strawberry

7 Anthracnose	Colletotrichum sp./spp.
Anthracnose basal rot;	
3 Crown rot	Colletotrichum sp./spp.
Bacterial blight - Not	
1 Detected	Xanthomonas sp./spp.
3 Cercospora leaf spot	Cercospora sp./spp.
15 Crown and root rot	Phytophthora sp./spp.
Crown and root rot - Not	
10 Detected	Phytophthora sp./spp.
6 Crown rot; Stem rot	Neopestalotiopsis sp./spp.
5 Fusarium wilt	Fusarium oxysporum
1 Fusarium wilt	Fusarium sp./spp.
2 Insect damage	Class Insecta
5 Lab comments	Lab notes
1 Lab notes	Lab comments
2 Leaf spot	Cercospora fragariae
7 Leaf spot	Neopestalotiopsis sp./spp.
1 Leaf spot; Blight	Ramularia grevilleana
Neopestalotiopsis - Not	
6 Detected	Neopestalotiopsis sp./spp.
2 Phomopsis leaf blight	Phomopsis obscurans
Pythium root and/or	
2 crown rot	Pythium sp./spp.
2 Red stele disease	Phytophthora fragariae
1 Rhizoctonia root rot	Rhizoctonia sp./spp.

2	Root and or pot bound	Abiotic disorder
2	Root rot	Phytophthora sp./spp.
1	Spider mites	Family Tetranychidae
	Strawberry black root rot	
7	complex	Complex of Biotic; Abiotic Factors
	Strawberry black root rot	
1	complex - Suspected	Complex of Biotic; Abiotic Factors
1	Twospotted spider mite	Tetranychus urticae
96	Total for Strawberry	

#### Watermelon

	Agromyzid melon	
1	leafminer	Liriomyza sp./spp.
1	Alternaria leaf blight	Alternaria sp./spp.
5	Anthraxnose	Colletotrichum orbiculare
	Bacterial fruit blotch - Not	
1	Detected	Acidovorax citrulli
2	Cercospora leaf spot	Cercospora citrullina
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
	Cucurbit bacterial wilt - Not	
1	Detected	Erwinia tracheiphila
	Cucurbit gummy stem	
4	blight	Stagonosporopsis curcubitacearum
	Cucurbit gummy stem blight -	
3	Not Detected	Stagonosporopsis cucurbitacearum
	Fusarium wilt - Not	
1	Detected	Fusarium oxysporum
1	Insect damage	Class Insecta
1	Insufficient sample	Incomplete submission
2	No pathogen found	No Detection
1	Physiological leaf roll	Abiotic disorder
1	Pythium damping off	Pythium sp./spp.
	Pythium root and/or crown rot -	
1	Not Detected	Pythium sp./spp.
1	Rhizoctonia damping off	Rhizoctonia sp./spp.
	Watermelon Fusarium	
3	wilt	Fusarium oxysporum f sp niveum
31	Total for Watermelon	

#### Ground Cover; Vine

##### Jasmine

1	Fusarium wilt	Fusarium oxysporum
1	Oedema; Edema	Abiotic disorder
1	Scale insects	Order Homoptera
1	Winter injury	Abiotic disorder

4 Total for Jasmine

Herb  
Catnip

1	True bugs - Suspected	Order Hemiptera
1	Total for Catnip	

Dill

1	Powdery mildew	Erysiphe heraclei
1	Total for Dill	

Garlic

1	Corm and bulb rot	Penicillium sp./spp.
1	Fusarium basal rot	Fusarium sp./spp.
1	Garlic Penicillium decay	Penicillium hirsutum
1	Undetermined injury	Unidentified agent
1	White rot - Not Detected	Stromatinia cepivora
5	Total for Garlic	

Lemon Balm

1	Insect damage	Class Insecta
1	True bugs	Order Hemiptera
2	Total for Lemon Balm	

Mint

1	Black root rot	Berkeleyomyces basicola
1	Fungus Gnats	Superfamily Sciaroidea
1	Insect damage	Class Insecta
1	Lab comments	Lab notes
1	No pathogen found	No Detection
	Phytophthora leaf spot negative	
1	- Not Detected	Phytophthora sp./spp.
1	Powdery mildew	Erysiphe cichoracearum
2	Powdery mildew	Golovinomyces sp./spp.
	Powdery mildew - Not	
1	Detected	Order Erysiphales
	Pythium root and/or	
1	crown rot	Pythium sp./spp.
1	True bugs	Order Hemiptera
12	Total for Mint	

Oregano

1	Insect damage	Class Insecta
1	True bugs	Order Hemiptera

2 Total for Oregano

Rosemary

- |   |                    |                       |
|---|--------------------|-----------------------|
| 1 | Crown and root rot | Phytophthora sp./spp. |
| 1 | Leafhoppers        | Family Cicadellidae   |
| 2 | Total for Rosemary |                       |

Sweet Basil

- |   |                       |                 |
|---|-----------------------|-----------------|
| 1 | Insect damage         | Class Insecta   |
| 1 | True bugs             | Order Hemiptera |
| 2 | Total for Sweet Basil |                 |

Wild Mint

- |   |                       |                  |
|---|-----------------------|------------------|
| 1 | No pathogen found     | No Detection     |
| 1 | Poor root development | Abiotic disorder |
| 2 | Total for Wild Mint   |                  |

House Plant

Cast Iron Plant

- |   |                                 |                  |
|---|---------------------------------|------------------|
|   | Environmental stress; Problem - |                  |
| 1 | Suspected                       | Abiotic disorder |
| 1 | Total for Cast Iron Plant       |                  |

Corn Plant (Ornamental)

- |   |                      |                  |
|---|----------------------|------------------|
|   | Fluoride toxicity -  |                  |
| 1 | Suspected            | Abiotic disorder |
|   | Total for Corn Plant |                  |
| 1 | (Ornamental)         |                  |

Ponytail Palm

- |   |                          |                       |
|---|--------------------------|-----------------------|
|   | Crown and root rot - Not |                       |
| 1 | Detected                 | Phytophthora sp./spp. |
|   | Fluoride toxicity -      |                       |
| 1 | Suspected                | Abiotic disorder      |
|   | Pythium root and/or      |                       |
| 1 | crown rot                | Pythium sp./spp.      |
| 3 | Total for Ponytail Palm  |                       |

Sago Palm

- |   |                          |                  |
|---|--------------------------|------------------|
|   | Nutritional deficiency - |                  |
| 1 | Suspected                | Abiotic disorder |
| 1 | Total for Sago Palm      |                  |

Schefflera

1	Colletotrichum leaf spot	Colletotrichum gloeosporioides
	Oedema; Edema -	
1	Suspected	Abiotic disorder
2	Total for Schefflera	
Moss		
Common Hair Cap Moss		
	Drought stress damage -	
1	Suspected	Abiotic disorder
	Total for Common Hair Cap	
1	Moss	
Moss		
1	Lab comments	Lab notes
1	Total for Moss	
Perennials		
Arabian Jasmine		
	Nutritional deficiency -	
1	Suspected	Abiotic disorder
	Total for Arabian	
1	Jasmine	
Bugleweed (Ground Cover)		
	Herbicide injury G#2 ALS	
1	inhibitor - Suspected	Abiotic disorder
	Phytoplasma disease - Not	
1	Detected	Phytoplasma sp./spp.
	Total for Bugleweed (Ground	
2	Cover)	
Butterfly Bush; Summer Lilac		
1	Natural senescence	Abiotic disorder
	Total for Butterfly Bush;	
1	Summer Lilac	
Canna Lily		
1	Alternaria leaf blight	Alternaria sp./spp.
1	Bacterial leaf spot	Unidentified Bacteria
2	Total for Canna Lily	
Clematis		
	Environmental stress; Problem -	
1	Suspected	Abiotic disorder

1	Insufficient sample	Incomplete submission
2	Total for Clematis	
Common Golden Alexanders		
1	Cercospora leaf spot	Cercospora sp./spp.
	Total for Common Golden	
1	Alexanders	
Coneflower		
1	Crown and root rot	Phytophthora sp./spp.
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
	Fusarium root; Crown	
2	rot	Fusarium sp./spp.
	Pythium root and/or	
1	crown rot	Pythium sp./spp.
5	Total for Coneflower	
Daylily		
1	Aphids; Plant lice	Family Aphididae
1	Total for Daylily	
East Indian Lemongrass		
	Chemical; Environmental injury	
1	- Suspected	Abiotic disorder
	Total for East Indian	
1	Lemongrass	
English Ivy		
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
	Freeze; Frost; Cold damage -	
1	Suspected	Abiotic disorder
	Fusarium root; Crown rot - Not	
1	Detected	Fusarium sp./spp.
1	Leaf spot	Boeremia sp./spp.
	Rhizoctonia root rot - Not	
1	Detected	Rhizoctonia sp./spp.
5	Total for English Ivy	
English Lavender		
1	Crown and root rot	Phytophthora sp./spp.
	Total for English	
1	Lavender	

Ferns



1	No pathogen found	No Detection
1	Pollen	Abiotic disorder
2	Total for Ferns	
Garden Verbena		
1	Rhizoctonia root rot	Rhizoctonia sp./spp.
	Total for Garden	
1	Verbena	
Goldenrod		
	Chrysanthemum lace	
1	bug	Corythucha marmorata
1	Root rot - Undetermined	Unidentified Agent
2	Total for Goldenrod	
Ground Ivy; Creeping Charlie		
1	No pathogen found	No Detection
	Total for Ground Ivy; Creeping	
1	Charlie	
Heuchera		
	Cucumber mosaic (CMV) - Not	
1	Detected	Cucumovirus Cucumber Mosaic Virus
	Impatiens necrotic spot (INSV) -	
1	Not Detected	Tospovirus Impatiens Necrotic Spot Virus
1	No pathogen found	No Detection
	Potyvirus Group - Not	
1	Detected	Potyvirus Group
	Tobacco mosaic (TMV) - Not	
1	Detected	Tobamovirus Tobacco Mosaic Virus
	Tobacco rattle (TRV) - Not	
1	Detected	Tobravirus Tobacco Rattle Virus
	Tomato spotted wilt (TSWV) -	
1	Not Detected	Tospovirus Tomato Spotted Wilt Virus
1	Viruses - Suspected	Viruses
8	Total for Heuchera	
Honeysuckle		
1	Deteriorated sample	Deterioration
1	Total for Honeysuckle	
Hosta		
1	Aphids; Plant lice	Family Aphididae
	Bacterial soft rot -	
1	Suspected	Pectobacterium sp./spp.
1	Deteriorated sample	Deterioration
1	Mealybugs	Family Pseudococcidae

4 Total for Hosta

Iris

1	Aphids; Plant lice	Family Aphididae
1	Bacterial blight	Xanthomonas campestris
1	Iris borer	Macronoctua onusta
2	Iris leaf spot	Cladosporium iridis
1	Lesser bulb fly	Eumerus tuberculatus
6	Total for Iris	

Ivy

1	Root rot - Suspected	Unidentified Agent
1	Total for Ivy	

Joe-pye Weed; Purple Boneset

1	Cercospora leaf spot	Cercospora sp./spp.
	Total for Joe-pye Weed; Purple	
1	Boneset	

Lenten Rose

1	No pathogen found	No Detection
1	Total for Lenten Rose	

Lily

1	Fungal leaf blight	Unidentified Fungus
1	Fungal leaf spot	Unidentified Fungus
2	Total for Lily	

Mandevilla

1	Twospotted spider mite	Tetranychus urticae
1	Total for Mandevilla	

Mexican Petunia

1	Insect damage	Class Insecta
	Total for Mexican	
1	Petunia	

Multiflora Rose

1	No pathogen found	No Detection
1	Total for Multiflora Rose	

Ostrich Fern

1	Insect damage	Class Insecta
1	Lab comments	Lab notes

1	No pathogen found	No Detection
1	Spider mites	Family Tetranychidae
4	Total for Ostrich Fern	
Penstemon; Beard-tongue		
1	Crown and root rot	Phytophthora sp./spp.
1	No pathogen found	No Detection
	Total for Penstemon; Beard-	
2	tongue	
Peony		
2	Blight	Botrytis paeoniae
1	Cercospora leaf spot	Cercospora sp./spp.
1	Deteriorated sample	Deterioration
1	Lab comments	Lab notes
	Phytophthora leaf spot negative	
1	- Not Detected	Phytophthora sp./spp.
2	Powdery mildew	Erysiphe polygoni
2	Tobacco rattle (TRV)	Tobravirus Tobacco Rattle Virus
10	Total for Peony	
Phlox		
1	Deteriorated sample	Deterioration
1	Total for Phlox	
Plains Coreopsis; Tickseed		
1	Coreopsis leaf beetle	Calligrapha californica
1	Crown and root rot	Phytophthora sp./spp.
1	Deteriorated sample	Deterioration
1	Insect damage	Class Insecta
	Total for Plains Coreopsis;	
4	Tickseed	
Primrose		
1	Powdery mildew	Order Erysiphales
1	Total for Primrose	
Purple Queen		
1	No pathogen found	No Detection
1	Total for Purple Queen	
Rose		
4	Black spot (Rose)	Diplocarpon rosae
	Butterflies; Moths;	
1	Caterpillars	Order Lepidoptera

2	Canker	Unidentified Agent
2	Canker; Coral spot; Blight;	
2	Dieback	Nectria cinnabarina
	Crown and root rot - Not	
2	Detected	Phytophthora sp./spp.
4	Deteriorated sample	Deterioration
	Fire blight - Not	
1	Detected	Erwinia amylovora
	Freeze; Frost; Cold	
1	damage	Abiotic disorder
	Herbicide injury G#2 ALS	
1	inhibitor - Suspected	Abiotic disorder
2	Insect damage	Class Insecta
	Insect damage -	
1	Suspected	Class Insecta
3	Lab comments	Lab notes
1	Leaf spot	Rosisphaerella rosicola
12	No pathogen found	No Detection
	Phytoplasma disease - Not	
1	Detected	Phytoplasma sp./spp.
2	Powdery mildew	Podosphaera pannosa
1	Rodents	Order Rodentia
1	Root rot - Suspected	Unidentified Agent
1	Root rot - Undetermined	Unidentified Agent
	Rose rosette disease	
9	(RRV)	Emaravirus Rose Rosette Virus
	Rose rosette disease (RRV) -	
7	Not Detected	Emaravirus Rose Rosette Virus
1	Scale insects	Order Homoptera
	Verticillium wilt -	
1	Suspected	Verticillium sp./spp.
61	Total for Rose	
Rudbeckia		
	Moisture stress -	
1	Suspected	Abiotic disorder
1	Total for Rudbeckia	
Sedum		
1	Crown and root rot	Phytophthora sp./spp.
1	Fungal leaf spot	Unidentified Fungus
2	Total for Sedum	
Shasta Daisy		
1	Alternaria leaf blight	Alternaria sp./spp.
1	Crown gall	Agrobacterium tumefaciens

Environmental stress; Problem -		
1	Suspected	Abiotic disorder
1	Insect damage	Class Insecta
1	Root rot - Suspected	Unidentified Agent
5	Total for Shasta Daisy	
St. Johnswort		
1	Crown and root rot	Phytophthora sp./spp.
1	Total for St. Johnswort	
Swamp Milkweed		
1	Root rot - Suspected	Unidentified Agent
	Total for Swamp	
1	Milkweed	
Sweet William		
	Pythium root and/or	
1	crown rot	Pythium sp./spp.
1	Total for Sweet William	
Sweet Woodruff		
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
1	Rhizoctonia root rot	Rhizoctonia sp./spp.
	Total for Sweet	
2	Woodruff	
Unknown Bulb		
1	Lab comments	Lab notes
1	Total for Unknown Bulb	
Unknown Perennial		
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
	Pythium root and/or	
1	crown rot	Pythium sp./spp.
	Total for Unknown	
2	Perennial	
Wingstem		
1	Aphids; Plant lice	Family Aphididae
1	Root rot - Suspected	Unidentified Agent
2	Total for Wingstem	
Yarrow		
1	Crown and root rot	Phytophthora sp./spp.

1 Total for Yarrow

Shrub

Azalea; Rhododendron

2	Azalea bark scale	Eriococcus azaleae
10	Azalea lace bug	Stephanitis pyrioides
2	Azalea leafminer	Caloptilia azaleella
1	Botrytis blight	Botrytis sp./spp.
1	Crown and root rot	Phytophthora sp./spp.
	Crown and root rot - Not	
3	Detected	Phytophthora sp./spp.
	Freeze; Frost; Cold	
2	damage	Abiotic disorder
5	Fungal leaf spot	Unidentified Fungus
7	Host-site mis-match	Abiotic disorder
	Insect damage -	
1	Suspected	Class Insecta
1	Insufficient sample	Incomplete submission
4	Lab comments	Lab notes
1	Leaf spot	Sphaerulina azaleae
2	Lichens	Lichenes
8	No pathogen found	No Detection
	Non-pathogenic;	
1	Saprophyte	Secondary Agents; Saprophytes; Unspecif.
	Ovulinia petal blight - Not	
1	detected	Ovulinia azaleae
1	Root rot	Phytophthora sp./spp.
3	Root rot - Suspected	Unidentified Agent
3	Sooty mold	Unidentified Fungus
2	Spider mites	Family Tetranychidae
	Total for Azalea;	
61	Rhododendron	

Crape Myrtle

1	Insect damage	Class Insecta
1	Rhizoctonia root rot	Rhizoctonia sp./spp.
2	Total for Crape Myrtle	

Evergreen Azalea

3	Azalea lace bug	Stephanitis pyrioides
1	Leaf and flower gall	Exobasidium vaccinii
1	No pathogen found	No Detection
	Phytophthora leaf spot negative	
1	- Not Detected	Phytophthora sp./spp.

	Total for Evergreen	
6	Azalea	
Flowering Quince		
	Herbicide injury G#2 ALS	
1	inhibitor - Suspected	Abiotic disorder
	Total for Flowering	
1	Quince	
Fragrant Snowball Viburnum		
1	No pathogen found	No Detection
1	Oedema; Edema	Abiotic disorder
	Phytophthora leaf spot negative	
1	- Not Detected	Phytophthora sp./spp.
	Total for Fragrant Snowball	
3	Viburnum	
Holly		
	Black root rot - Not	
3	Detected	Berkeleyomyces basicola
1	Brown soft scale	Coccus hesperidum
1	Canker	Unidentified Agent
1	Canker - Suspected	Unidentified Agent
1	Cottony camellia scale	Pulvinaria floccifera
3	Crown and root rot	Phytophthora sp./spp.
	Crown and root rot - Not	
3	Detected	Phytophthora sp./spp.
	Freeze; Frost; Cold damage -	
1	Suspected	Abiotic disorder
3	Insufficient sample	Incomplete submission
1	Lab comments	Lab notes
	Mechanical damage -	
1	Suspected	Abiotic disorder
7	No pathogen found	No Detection
	Phomopsis dieback; Tip blight;	
1	Canker	Phomopsis sp./spp.
	Phytophthora twig dieback - Not	
1	Detected	Phytophthora ilicis
	Pythium root and/or	
1	crown rot	Pythium sp./spp.
	Pythium root and/or crown rot -	
3	Not Detected	Pythium sp./spp.
1	Root rot - Suspected	Unidentified Agent
1	Root rot - Undetermined	Unidentified Agent
1	Sooty mold	Unidentified Fungus
1	Tea scale	Fiorinia theae
	Wood boring insect	
1	damage	Class Insecta

## 37 Total for Holly

### Hydrangea

Alfalfa mosaic (AMV) - Not	
1 Detected	Alfamovirus Alfalfa Mosaic Virus
1 Alternaria leaf blight	Alternaria sp./spp.
1 Anthracnose	Colletotrichum sp./spp.
2 Bacterial wilt	Ralstonia solanacearum
1 Crown and root rot	Phytophthora sp./spp.
Cucumber mosaic (CMV) - Not	
1 Detected	Cucumovirus Cucumber Mosaic Virus
1 Fungal leaf spot	Cercospora hydrangeae
2 Fungal leaf spot	Unidentified Fungus
Fusarium root; Crown	
1 rot	Fusarium sp./spp.
Herbicide injury G#2 ALS	
1 inhibitor - Suspected	Abiotic disorder
Impatiens necrotic spot (INSV) -	
1 Not Detected	Tospovirus Impatiens Necrotic Spot Virus
1 Insect damage	Class Insecta
1 No pathogen found	No Detection
Nutritional deficiency -	
1 Suspected	Abiotic disorder
1 Powdery mildew	Erysiphe sp./spp.
Pythium root and/or	
1 crown rot	Pythium sp./spp.
1 Root rot - Undetermined	Unidentified Agent
Tobacco mosaic (TMV) - Not	
1 Detected	Tobamovirus Tobacco Mosaic Virus
Tobacco ringspot (TRSV) - Not	
1 Detected	Nepovirus Tobacco Ringspot Virus
Tomato ringspot (ToRSV) - Not	
1 Detected	Nepovirus Tomato Ringspot Virus
Tomato spotted wilt (TSWV) -	
1 Not Detected	Tospovirus Tomato Spotted Wilt Virus
1 Viruses - Suspected	Viruses
24 Total for Hydrangea	

### Itea; Sweetspire

1 No pathogen found	No Detection
Total for Itea;	
1 Sweetspire	

### Lilac

1 Cercospora leaf spot	Cercospora sp./spp.
Herbicide injury -	
1 Suspected	Abiotic disorder
2 Total for Lilac	



Pink Ruffles Azalea

	Nutritional deficiency -	
1	Suspected	Abiotic disorder
	Total for Pink Ruffles	
1	Azalea	

Red-tip Photinia

	Entomosporium leaf	
1	spot	Entomosporium sp./spp.
	Mycosphaerella leaf	
1	spot	Mycosphaerella sp./spp.
1	Septoria leaf spot	Septoria sp./spp.
	Total for Red-tip	
3	Photinia	

Sweetshrub; Carolina Allspice

	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
1	Pythium damping off	Pythium sp./spp.
	Total for Sweetshrub; Carolina	
2	Allspice	

Tree

American Elm

1	Canker - Undetermined	Sphaeropsis ulmicola
1	Elm lace bug	Corythucha ulmi
1	Insect damage	Class Insecta
3	Total for American Elm	

American Sycamore

3	Sycamore anthracnose	Apiognomonia veneta
	Total for American	
3	Sycamore	

Beech

1	Beech canker	Asterosporium asterospermum
	Canker; Stem blight;	
1	Dieback	Botryosphaeria dothidea
1	Eutypella canker	Eutypella sp./spp.
	Eutypella canker -	
1	Suspected	Eutypella quaternata
	Non-pathogenic;	
1	Saprophyte	Secondary Agents; Saprophytes; Unspecif.
1	Twig and branch canker	Stegonsporium sp./spp.

6	Total for Beech	
Black Gum		
	Dieback; Canker; Twig	
1	blight	Botryosphaeria sp./spp.
1	Total for Black Gum	
Black Walnut		
1	Walnut caterpillar	Datana integerrima
1	Total for Black Walnut	
Blue Atlas Cedar		
1	Crown and root rot	Phytophthora sp./spp.
1	Insufficient sample	Incomplete submission
	Total for Blue Atlas	
2	Cedar	
Callery Pear		
1	Fire blight - Suspected	Erwinia amylovora
1	Total for Callery Pear	
Cedar		
1	Cedar-apple rust	Gymnosporangium juniperi-virginianae
	Crown and root rot - Not	
2	Detected	Phytophthora sp./spp.
1	Lab comments	Lab notes
1	No pathogen found	No Detection
	Pestalotiopsis needle blight; Tip	
1	blight	Pestalotiopsis sp./spp.
1	Sirococcus twig blight	Sirococcus sp./spp.
7	Total for Cedar	
Cherry (Ornamental)		
	Brown rot; Blossom blight; Fruit	
1	rot	Monilinia sp./spp.
	Canker; Stem blight;	
1	Dieback	Botryosphaeria dothidea
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
1	Heat stress	Abiotic disorder
1	Lichens	Lichenes
	Mycosphaerella leaf	
1	spot	Passalora circumscissa
	Total for Cherry	
6	(Ornamental)	

#### Cherry Plum - Tree

1	Anthraxnose	Colletotrichum sp./spp.
	Flea beetles -	
1	Suspected	Subfamily Galerucinae; Tribe Alticini
1	No pathogen found	No Detection
	Total for Cherry Plum -	
3	Tree	

#### Colorado Blue Spruce

1	Bagworm moths	Family Psychidae
1	Spider mites	Family Tetranychidae
1	Stigmata needle blight	Stigmata lautii
	Total for Colorado Blue	
3	Spruce	

#### Corkscrew Willow; Dragon Cl. Willow

1	Cercospora leaf spot	Pseudocercospora salicina
	Cytospora canker;	
1	Dieback	Cytospora sp./spp.
	Willow bacterial twig	
1	blight	Pseudomonas saliciperda
3	Total for Corkscrew Willow; Dragon Cl. Willow	

#### Cryptomeria

1	Crown and root rot	Phytophthora sp./spp.
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
1	Fungal leaf blight	Unidentified Fungus
1	No pathogen found	No Detection
1	Pestalotiopsis dieback	Pestalotiopsis funerea
	Pestalotiopsis needle blight; Tip	
1	blight	Pestalotiopsis sp./spp.
6	Total for Cryptomeria	

#### Deodar Cedar

1	Crown and root rot	Phytophthora sp./spp.
1	Total for Deodar Cedar	

#### Eastern Red Cedar

	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
1	Dieback; Canker	Seiridium sp./spp.
	Drought stress damage -	
1	Suspected	Abiotic disorder
1	Insufficient sample	Incomplete submission

1	Juniper scale	Carulaspis juniperi
1	Natural senescence	Abiotic disorder
1	No pathogen found	No Detection
1	Phomopsis tip blight; Needle blight	Phomopsis juniperovora
	Total for Eastern Red	
8	Cedar	
Eastern Redbud		
1	Crown and root rot	Phytophthora sp./spp.
1	Deteriorated sample	Deterioration
1	Insufficient sample	Incomplete submission
1	Lab comments	Lab notes
	Total for Eastern	
4	Redbud	
Eastern White Pine		
1	Crown and root rot	Phytophthora sp./spp.
	Phytophthora canker - Not	
1	Detected	Phytophthora sp./spp.
	Pitch canker -	
1	Suspected	Fusarium tricinctum
	Total for Eastern White	
3	Pine	
Elm		
	Bacterial wetwood;	
1	Slime flux	Unidentified Bacteria
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
	Dutch elm disease - Not	
1	Detected	Ophiostoma sp./spp.
1	Lichens	Lichenes
	Verticillium dieback - Not	
1	Detected	Verticillium sp./spp.
	Wood boring insect	
1	damage	Class Insecta
6	Total for Elm	
Flowering Dogwood		
1	Insufficient sample	Incomplete submission
	Moisture stress -	
1	Suspected	Abiotic disorder
	Phytophthora canker;	
1	Dieback	Phytophthora cactorum
1	Root rot - Suspected	Unidentified Agent

- Total for Flowering
- 4 Dogwood

#### Ginkgo

- |                             |                       |
|-----------------------------|-----------------------|
| Bacterial leaf scorch - Not |                       |
| 2 Detected                  | Xylella fastidiosa    |
| 1 Insufficient sample       | Incomplete submission |
| 1 Lichens                   | Lichenes              |
| 2 No pathogen found         | No Detection          |
| 1 Scorch                    | Abiotic disorder      |
| 1 Scorch - Suspected        | Abiotic disorder      |
| 8 Total for Ginkgo          |                       |

#### Green Giant Arborvitae

- |                                   |                         |
|-----------------------------------|-------------------------|
| 1 Arborvitae needle blight        | Phyllosticta thujae     |
| 2 Crown and root rot              | Phytophthora sp./spp.   |
| Crown and root rot - Not          |                         |
| 1 Detected                        | Phytophthora sp./spp.   |
| 2 Lab comments                    | Lab notes               |
| 3 No pathogen found               | No Detection            |
| Pestalotiopsis canker/            |                         |
| 1 dieback                         | Pestalotiopsis sp./spp. |
| Pestalotiopsis needle blight; Tip |                         |
| 3 blight                          | Pestalotiopsis sp./spp. |
| 2 Root rot - Suspected            | Unidentified Agent      |
| 1 Scale insects                   | Order Homoptera         |
| 1 Spider mites                    | Family Tetranychidae    |
| Total for Green Giant             |                         |
| 17 Arborvitae                     |                         |

#### Hickory

- |                             |                       |
|-----------------------------|-----------------------|
| 1 Host-site mis-match       | Abiotic disorder      |
| 1 Insect damage             | Class Insecta         |
| 1 Insufficient sample       | Incomplete submission |
| 1 No pathogen found         | No Detection          |
| 1 Phylloxerans              | Family Phylloxeridae  |
| Wood boring insect damage - |                       |
| 1 Undetermined              | Class Insecta         |
| 6 Total for Hickory         |                       |

#### Japanese Dogwood; Kousa

- |                             |                         |
|-----------------------------|-------------------------|
| Canker; Stem blight;        |                         |
| 1 Dieback                   | Botryosphaeria dothidea |
| 1 Nectria canker            | Neonectria ditissima    |
| Total for Japanese Dogwood; |                         |
| 2 Kousa                     |                         |

#### Japanese Flowering Cherry

1	Lichens	Lichenes
	Wood boring insect damage -	
1	Suspected	Class Insecta
1	Woodpeckers	Family Picidae
	Total for Japanese Flowering	
3	Cherry	

#### Japanese Lanceleaf Maple

1	Insufficient sample	Incomplete submission
	Total for Japanese Lanceleaf	
1	Maple	

#### Japanese Maple

1	Anthraxnose	Colletotrichum sp./spp.
2	Crown and root rot	Phytophthora sp./spp.
	Crown and root rot - Not	
4	Detected	Phytophthora sp./spp.
	Dieback; Canker; Twig	
1	blight	Botryosphaeria sp./spp.
	Environmental stress;	
1	Problem	Abiotic disorder
	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
1	Fungal leaf spot	Unidentified Fungus
1	Host-site mis-match	Abiotic disorder
2	Insect damage	Class Insecta
1	Insufficient sample	Incomplete submission
1	Japanese maple scale	Lopholeucaspis japonica
5	Lab comments	Lab notes
1	Lichens	Lichenes
	Mechanical damage -	
1	Suspected	Abiotic disorder
11	No pathogen found	No Detection
2	Root rot - Suspected	Unidentified Agent
7	Scorch - Suspected	Abiotic disorder
	Verticillium dieback - Not	
2	Detected	Verticillium sp./spp.
	Verticillium dieback -	
1	Suspected	Verticillium sp./spp.
	Wood boring insect	
1	damage	Class Insecta
	Total for Japanese	
47	Maple	

#### Laurel Oak

1	Canker - Suspected	Unidentified Agent
1	Lab notes	Lab comments
	Low pH; Nutrient	
1	imbalance	Abiotic disorder
3	Total for Laurel Oak	

#### Leyland Cypress

	Canker; Stem blight;	
1	Dieback	Botryosphaeria dothidea
	Cercospora needle	
2	blight	Passalora sequoiae
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
1	Crown gall	Agrobacterium tumefaciens
	Dieback; Canker -	
1	Suspected	Seiridium sp./spp.
	Dieback; Canker; Twig	
1	blight	Botryosphaeria sp./spp.
1	Natural senescence	Abiotic disorder
1	No pathogen found	No Detection
1	Normal plant growth	Identification Analysis
	Pestalotiopsis needle blight; Tip	
2	blight	Pestalotiopsis sp./spp.
	Total for Leyland	
12	Cypress	

#### Loblolly Pine

	Brown spot; Needle	
1	blight	Lecanosticta acicola
	Lophodermium leaf spot;	
1	Needle cast	Lophodermium sp./spp.
1	Pine needle scale	Chionaspis pinifoliae
1	Pine tortoise scale	Toumeyella parvicornis
1	Pitch canker	Fusarium tricinctum
	Wood boring insect	
1	damage	Class Insecta
6	Total for Loblolly Pine	

#### Magnolia

	Butterflies; Moths; Caterpillars -	
1	Suspected	Order Lepidoptera
1	False oleander scale	Pseudaulacaspis cockerelli
	Freeze; Frost; Cold damage -	
3	Suspected	Abiotic disorder
	Herbicide injury G#2 ALS	
1	inhibitor - Suspected	Abiotic disorder
2	Lab comments	Lab notes
1	Lab notes	Lab comments

1	Leaf spot	Phyllosticta sp./spp.
6	Natural senescence	Abiotic disorder
3	No pathogen found	No Detection
1	Scale insects	Order Homoptera
1	Sooty mold	Unidentified Fungus
	Winter injury -	
1	Suspected	Abiotic disorder
22	Total for Magnolia	

#### Maple

	Barklice; Booklice;	
1	Parasitic Lice	Order Psocodea
	Botryosphaeria canker;	
1	Dieback	Diplodia mutila
	Branch and twig borers -	
1	Suspected	Family Bostrichidae
	Canker; Stem blight;	
1	Dieback	Botryosphaeria dothidea
	Chemical injury -	
1	Undetermined	Abiotic disorder
1	Crown and root rot	Phytophthora sp./spp.
2	Deteriorated sample	Deterioration
	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
	European fruit	
1	Lecanium	Parthenolecanium corni
1	Fungal wood rot	Schizophyllum commune
	Gloomy scale -	
1	Suspected	Melanaspis tenebricosa
	Herbicide injury -	
1	Suspected	Abiotic disorder
3	Insect damage	Class Insecta
1	Lab comments	Lab notes
1	Lichens	Lichenes
1	Maple anthracnose	Aureobasidium apocryptum
1	Marginal leaf burn	Abiotic disorder
7	No pathogen found	No Detection
1	Planting too deep	Abiotic disorder
2	Root rot - Suspected	Unidentified Agent
1	Scorch - Suspected	Abiotic disorder
1	Sooty mold	Unidentified Fungus
	Sunscald; Sunburn -	
1	Suspected	Abiotic disorder
	Unknown abiotic	
1	disorder	Abiotic disorder
1	Verticillium dieback	Verticillium sp./spp.
	Verticillium dieback - Not	
2	Detected	Verticillium sp./spp.



	Verticillium wilt -	
1	Suspected	Verticillium sp./spp.
	Yellow-bellied	
1	sapsucker	Sphyrapticus varius
39	Total for Maple	
Mulberry (Ornamental)		
	Bacterial wetwood; Slime flux -	
1	Suspected	Unidentified Bacteria
	Mycosphaerella leaf	
1	spot	Neophloeospora maculans
	Total for Mulberry	
2	(Ornamental)	
Oak		
1	Anthraxnose	Apiognomonia errabunda
	Bacterial wetwood; Slime flux -	
1	Suspected	Unidentified Bacteria
	Butterflies; Moths;	
1	Caterpillars	Order Lepidoptera
	Canker; Stem blight;	
2	Dieback	Botryosphaeria dothidea
	Chemical injury -	
1	Suspected	Abiotic disorder
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
2	Deteriorated sample	Deterioration
	Dieback; Canker; Twig	
1	blight	Botryosphaeria sp./spp.
	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
1	Fungal leaf spot	Unidentified Fungus
2	High pH damage	Abiotic disorder
1	Hypoxyton canker	Biscogniauxia atropunctata
	Hypoxyton canker - Not	
3	Detected	Biscogniauxia atropunctata
	Hypoxyton canker -	
1	Suspected	Biscogniauxia atropunctata
3	Insect damage	Class Insecta
	Insect damage -	
1	Suspected	Class Insecta
2	Insufficient sample	Incomplete submission
3	Lab comments	Lab notes
1	Leaf blister - Suspected	Taphrina sp./spp.
3	Leaf spot	Tubakia sp./spp.
4	Lichens	Lichenes
	Marginal leaf fold midge	
2	gallmaker	Macrodiplosis erubescens

8	No pathogen found	No Detection
1	Oak twig canker and dieback	Botryosphaeria quercuum
1	Oak wilt - Not Detected	Bretziella fagacearum
1	Phytophthora canker - Not Detected	Phytophthora sp./spp.
1	Solitary oak leafminer	Cameraria hamadryadella
1	Tip dieback; Twig blight	Coryneum sp./spp.
1	Wood decay fungus	Unidentified Fungus
1	Woolly oak gall	Callirhytis lanata
53	Total for Oak	

#### Pin Oak

	Bacterial wetwood;	
1	Slime flux	Unidentified Bacteria
1	Fungal leaf spot	Unidentified Fungus
1	Insufficient sample	Incomplete submission
1	Oak twig canker and dieback	Botryosphaeria quercuum
1	Phomopsis canker and twig blight	Diaporthe vaccinii
1	Phytophthora canker - Not Detected	Phytophthora sp./spp.
1	Scale insects	Order Homoptera
1	Spider mites	Family Tetranychidae
8	Total for Pin Oak	

#### Pine

	Diplodia tip blight;	
1	Canker	Diplodia sapinea
1	Insufficient sample	Incomplete submission
	Pitch canker - Suspected	Fusarium tricinctum
1	Red band needle blight	Dothistroma septosporum
2	Scale insects	Order Homoptera
1	Sooty mold	Unidentified Fungus
1	Spider mites	Family Tetranychidae
1	Woodpeckers	Family Picidae
10	Total for Pine	

#### Planetree; Sycamore

1	Broad mite	Polyphagotarsonemus latus
1	Leaf spot	Pseudocercospora platanicola
1	Powdery mildew	Erysiphe platani
	Total for Planetree;	
3	Sycamore	

#### Poplar

1	Deteriorated sample	Deterioration
1	Lab comments	Lab notes
1	No pathogen found	No Detection
3	Total for Poplar	

#### Post Oak

1	Callirhytis oak gall wasp	Callirhytis sp./spp.
	Cicada egg-laying injury -	
1	Undetermined	Family Cicadidae
1	Cynipid gall wasp	Neuroterus sp./spp.
	Dieback; Canker; Twig	
1	blight	Botryosphaeria sp./spp.
	Herbicide injury -	
1	Suspected	Abiotic disorder
1	Insect damage	Class Insecta
1	Jumping oak gall wasp	Neuroterus saltatorius
2	Lab comments	Lab notes
1	Lace bugs	Family Tingidae
3	Leaf spot	Tubakia sp./spp.
1	Lichens	Lichenes
1	Mealybugs	Family Pseudococcidae
1	No pathogen found	No Detection
1	Oak bullet gall wasp	Disholcaspis quercusglobulus
1	Oak twig blight	Coryneum kunzei
	Phomopsis dieback; Tip blight;	
1	Canker	Phomopsis sp./spp.
1	Spider mites	Family Tetranychidae
1	Tip dieback; Twig blight	Coryneum sp./spp.
	Unspecified pathology - Not	
1	Detected	Phomopsis sp./spp.
	Wood boring insect	
1	damage	Class Insecta
23	Total for Post Oak	

#### Red Maple

1	No pathogen found	No Detection
1	Powdery mildew	Order Erysiphales
1	Verticillium dieback	Verticillium sp./spp.
3	Total for Red Maple	

#### Red Oak

	Chemical injury -	
1	Undetermined	Abiotic disorder
	Insect damage -	
1	Suspected	Class Insecta

1	Leaf spot	Tubakia sp./spp.
1	Phytophthora canker - Suspected	Phytophthora sp./spp.
1	Trunk girdling - Suspected	Abiotic disorder
5	Total for Red Oak	
Red Oaks		
1	Fungal leaf spot	Unidentified Fungus
1	Insufficient sample	Incomplete submission
1	No pathogen found	No Detection
1	Scale insects	Order Homoptera
4	Total for Red Oaks	
Redbud		
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
1	Fungal wood rot	Schizophyllum commune
1	Fungal wood rot	Unidentified Fungus
2	No pathogen found	No Detection
5	Total for Redbud	
River Birch		
1	Spiny witch-hazel aphid	Hamamelistes spinosus
1	Total for River Birch	
Shumard Oak; Texas Oak; Spanish Oak		
1	Canker	Unidentified Agent
	Canker; Stem blight;	
1	Dieback	Botryosphaeria dothidea
1	Fungal leaf spot	Unidentified Fungus
1	No pathogen found	No Detection
1	Scale insects	Order Homoptera
5	Total for Shumard Oak; Texas Oak; Spanish Oak	
Southern Magnolia		
1	Algal leaf spot	Cephaleuros virescens
1	Anthraxnose	Colletotrichum sp./spp.
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
	Crown and root rot -	
1	Undetermined	Phytophthora sp./spp.
1	Insufficient sample	Incomplete submission
1	Lab comments	Lab notes
1	Leaf spot	Pestalotiopsis sp./spp.

	Natural senescence -	
2	Suspected	Abiotic disorder
1	Pseudomonas blight	Pseudomonas syringae
	Pythium root and/or	
2	crown rot	Pythium sp./spp.
	Verticillium dieback - Not	
1	Detected	Verticillium sp./spp.
	Verticillium dieback -	
1	Suspected	Verticillium sp./spp.
	Total for Southern	
14	Magnolia	

#### Spruce

	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
	Pestalotiopsis needle blight; Tip	
1	blight	Pestalotiopsis sp./spp.
2	Total for Spruce	

#### Sugar Maple

	Bacterial wetwood; Slime flux -	
1	Suspected	Unidentified Bacteria
	Hypoxyton canker - Not	
1	Detected	Biscogniauxia atropunctata
	Wood boring insect	
1	damage	Class Insecta
3	Total for Sugar Maple	

#### Swamp White Oak

	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
1	No pathogen found	No Detection
	Total for Swamp White	
2	Oak	

#### Sweetgum

1	Crown and root rot	Phytophthora sp./spp.
1	Fungal wood rot	Unidentified Fungus
1	Lichens - Suspected	Lichenes
	Wood boring insect	
1	damage	Class Insecta
	Yellow-bellied	
1	sapsucker	Sphyrapticus varius
5	Total for Sweetgum	

#### Tulip Tree

1	Crown and root rot	Phytophthora sp./spp.
---	--------------------	-----------------------

1	Lichens	Lichenes
1	No pathogen found	No Detection
3	Total for Tulip Tree	
Water Oak		
1	Insufficient sample	Incomplete submission
1	Oak leaf blister	Taphrina caerulescens
2	Total for Water Oak	
Weeping Cherry		
	Leaf blight and spot;	
2	Shothole	Blumeriella jaapii
1	Spider mites	Family Tetranychidae
	Total for Weeping	
3	Cherry	
White Oak		
1	Crown and root rot	Phytophthora sp./spp.
	Dieback; Canker; Twig	
1	blight	Botryosphaeria sp./spp.
1	Fungal leaf spot	Unidentified Fungus
1	Gall wasps	Family Cynipidae
	Hypoxyton canker -	
1	Suspected	Biscogniauxia atropunctata
2	Insect damage	Class Insecta
1	Leaf spot	Tubakia sp./spp.
1	Leaf spot - Not Detected	Tubakia sp./spp.
1	Root rot - Suspected	Unidentified Agent
1	Solitary oak leafminer	Cameraria hamadryadella
1	Unspecified pathology	Coryneum sp./spp.
	Unspecified pathology - Not	
1	Detected	Phomopsis sp./spp.
1	Wool sower gall wasp	Callirhytis seminator
14	Total for White Oak	
White Oaks		
1	Anthrachnose	Apiognomonina errabunda
1	Hypoxyton canker	Biscogniauxia atropunctata
	Wood boring insect	
1	damage	Class Insecta
	Wood rot fungus; False turkey	
1	tail	Stereum ostrea
4	Total for White Oaks	
Willow		
1	Cercospora leaf spot	Pseudocercospora salicina

- |   |                   |              |
|---|-------------------|--------------|
| 1 | No pathogen found | No Detection |
| 2 | Total for Willow  |              |

#### Tree/Shrub

##### American Holly

- |   |                          |              |
|---|--------------------------|--------------|
| 1 | No pathogen found        | No Detection |
| 1 | Total for American Holly |              |

##### Amur Honeysuckle

- |   |                                  |   |
|---|----------------------------------|---|
|   | Alfalfa mosaic (AMV) - Not       |   |
| 1 | Detected                         | Alfamovirus Alfalfa Mosaic Virus            |
|   | Bean yellow mosaic               |   |
| 1 | (BYMV)                           | Potyvirus Bean Yellow Mosaic Virus          |
|   | Begomovirus Group - Not          |   |
| 1 | Detected                         | Begomovirus Group                           |
|   | Cucumber mosaic (CMV) - Not      |   |
| 1 | Detected                         | Cucumovirus Cucumber Mosaic Virus           |
| 1 | No pathogen found                | No Detection                                |
|   | Strawberry latent ringspot - Not | Sadwavirus Strawberry Latent Ringspot Virus |
| 1 | Detected                         | (SLRSV)                                     |
|   | Tobacco ringspot (TRSV) - Not    |   |
| 1 | Detected                         | Nepovirus Tobacco Ringspot Virus            |
|   | Tomato black ring (TBRV) - Not   |   |
| 1 | Detected                         | Nepovirus Tomato Black Ring Virus           |
|   | Total for Amur                   |   |
| 8 | Honeysuckle                      |   |

##### Arborvitae

- |   |                                 |                         |
|---|---------------------------------|-------------------------|
| 3 | Arborvitae needle blight        | Phyllosticta thujae     |
| 5 | Bagworm moths                   | Family Psychidae        |
|   | Botryosphaeria canker;          |                         |
| 1 | Dieback                         | Diplodia mutila         |
|   | Canker; Stem blight;            |                         |
| 1 | Dieback                         | Botryosphaeria dothidea |
| 2 | Crown and root rot              | Phytophthora sp./spp.   |
|   | Crown and root rot - Not        |                         |
| 8 | Detected                        | Phytophthora sp./spp.   |
| 1 | Deteriorated sample             | Deterioration           |
|   | Drought stress damage -         |                         |
| 1 | Suspected                       | Abiotic disorder        |
|   | Environmental stress; Problem - |                         |
| 2 | Suspected                       | Abiotic disorder        |
| 1 | Excessive water                 | Abiotic disorder        |
| 1 | Insufficient sample             | Incomplete submission   |
| 5 | Lab comments                    | Lab notes               |
| 1 | Leaf-footed bug                 | Leptoglossus sp./spp.   |

3	Natural senescence	Abiotic disorder
3	Natural senescence - Suspected	Abiotic disorder
12	No pathogen found	No Detection
	Non-pathogenic;	
1	Saprophyte	Secondary Agents; Saprophytes; Unspecif.
2	Normal plant growth	Identification Analysis
18	Pestalotiopsis needle blight; Tip blight	Pestalotiopsis sp./spp.
1	Phomopsis dieback; Tip blight; Canker	Phomopsis sp./spp.
2	Phomopsis tip blight; Needle blight	Phomopsis juniperovora
	Pythium root and/or	
1	crown rot	Pythium sp./spp.
2	Rhizoctonia root rot	Rhizoctonia sp./spp.
3	Root rot	Phytophthora sp./spp.
4	Scale insects	Order Homoptera
2	Scorch - Suspected	Abiotic disorder
5	Spider mites	Family Tetranychidae
1	Windburn - Suspected	Abiotic disorder
1	Winter injury - Suspected	Abiotic disorder
1	Yellow-bellied sapsucker	Sphyrapicus varius
94	Total for Arborvitae	
Arizona Cypress		
1	Dieback; Canker	Seiridium sp./spp.
	Total for Arizona	
1	Cypress	
Ash		
1	Ash flower gall mite	Aceria fraxiniflora
1	Emerald ash borer	Agrilus planipennis
2	Total for Ash	
Atlantic Whitecedar		
1	No pathogen found	No Detection
	Non-pathogenic;	
1	Saprophyte	Secondary Agents; Saprophytes; Unspecif.
	Total for Atlantic	
2	Whitecedar	
Baldcypress (Ornamental)		
1	Scale insects	Order Homoptera
1	Whiteflies	Family Aleyrodidae



Total for Baldcypress 2 (Ornamental)		
Banana Shrub		
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
1	Natural senescence	Abiotic disorder
2	Total for Banana Shrub	
Bigleaf Hydrangea		
1	Lab comments	Lab notes
	Total for Bigleaf	
1	Hydrangea	
Black Locust		
1	Fungal wood rot	Unidentified Fungus
1	Lab comments	Lab notes
2	Total for Black Locust	
Black Mulberry		
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
2	No pathogen found	No Detection
3	Total for Black Mulberry	
Black Oak		
1	Insect damage	Class Insecta
1	Total for Black Oak	
Blue Spruce		
	Diplodia tip blight;	
1	Canker	Diplodia sapinea
	Phomopsis dieback; Tip blight;	
1	Canker	Phomopsis sp./spp.
	Rhizosphaera needle	
1	cast	Rhizosphaera kalkhoffii
	Sudden needle drop: spruce	
1	needle drop	Setomelanomma holmii
4	Total for Blue Spruce	
Bottlebrush Buckeye		
	Dieback; Canker; Twig	
1	blight	Botryosphaeria sp./spp.
	Wood boring insect	
1	damage	Class Insecta

Total for Bottlebrush		
2	Buckeye	
Bougainvillea		
1	Deteriorated sample	Deterioration
1	Fungal leaf blight	Unidentified Fungus
2	Total for Bougainvillea	
Boxleaf Japanese Holly		
	Black root rot - Not	
1	Detected	Berkeleyomyces basicola
1	Crown and root rot	Phytophthora sp./spp.
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
	Dieback; Canker; Twig	
1	blight	Botryosphaeria sp./spp.
	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
1	Insect damage	Class Insecta
	Pythium root and/or crown rot -	
1	Not Detected	Pythium sp./spp.
1	Root rot - Suspected	Unidentified Agent
	Total for Boxleaf	
8	Japanese Holly	
Boxwood		
	Boxwood blight; Leaf & stem	
2	blight - Not Detected	Calonectria pseudonaviculata
	Boxwood Macrophoma	
3	leaf spot	Dothiorella candollei
	Boxwood Volutella	
9	blight; Canker	Pseudonectria buxi
2	Crown and root rot	Phytophthora sp./spp.
	Crown and root rot - Not	
5	Detected	Phytophthora sp./spp.
	Dieback; Canker; Twig	
1	blight	Botryosphaeria sp./spp.
	Drought stress damage -	
1	Suspected	Abiotic disorder
	Environmental stress;	
1	Problem	Abiotic disorder
	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
	Freeze; Frost; Cold damage -	
5	Suspected	Abiotic disorder
	Herbicide injury -	
1	Suspected	Abiotic disorder
1	Mealybugs	Family Pseudococcidae

	Moisture stress -	
2	Suspected	Abiotic disorder
8	No pathogen found	No Detection
2	Oedema; Edema	Abiotic disorder
	Pythium root and/or crown rot -	
1	Suspected	Pythium sp./spp.
1	Root and or pot bound	Abiotic disorder
1	Root rot - Undetermined	Unidentified Agent
2	Sooty mold	Unidentified Fungus
2	Spider mites	Family Tetranychidae
1	True bugs - Suspected	Order Hemiptera
	Winter injury -	
3	Suspected	Abiotic disorder
55	Total for Boxwood	

#### Boxwood Hybrids

1	Fusarium canker	Fusarium sp./spp.
1	Oedema; Edema	Abiotic disorder
	Total for Boxwood	
2	Hybrids	

#### Buckthorn; Mock Orange

1	Pseudomonas blight	Pseudomonas syringae
	Total for Buckthorn; Mock	
1	Orange	

#### Bur Oak

	Chemical injury -	
1	Suspected	Abiotic disorder
1	Total for Bur Oak	

#### Butterfly Bush

1	Earwigs	Order Dermaptera
1	Insect damage	Class Insecta
2	Total for Butterfly Bush	

#### Camellia

1	Camellia leaf gall	Exobasidium camelliae
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
	Freeze; Frost; Cold damage -	
1	Suspected	Abiotic disorder
1	Lab notes	Lab comments
	Pythium root and/or crown rot -	
1	Not Detected	Pythium sp./spp.
	Rhizoctonia root rot - Not	
1	Detected	Rhizoctonia sp./spp.

Sunscald; Sunburn -		
1	Suspected	Abiotic disorder
7	Total for Camellia	
Cherry laurel		
1	Insect damage	Class Insecta
1	No pathogen found	No Detection
2	Total for Cherry laurel	
Chinese Fringetree		
1	Insect damage	Class Insecta
	Total for Chinese	
1	Fringetree	
Common Barberry		
Environmental stress; Problem -		
1	Suspected	Abiotic disorder
	Total for Common	
1	Barberry	
Common Boxwood		
Boxwood Volutella		
1	blight; Canker	Pseudonectria buxi
Drought stress damage -		
1	Suspected	Abiotic disorder
Heat and water stress -		
1	Suspected	Abiotic disorder
1	No pathogen found	No Detection
	Total for Common	
4	Boxwood	
Common Lilac		
1	Septoria leaf spot	Septoria sp./spp.
1	Total for Common Lilac	
Conifers, Softwoods		
1	Lab comments	Lab notes
Phomopsis tip blight; Needle		
1	blight	Phomopsis juniperovora
1	Spider mites	Family Tetranychidae
	Total for Conifers,	
3	Softwoods	
Crabapple		
1	Crown and root rot	Phytophthora sp./spp.
1	Fire blight	Erwinia amylovora

1	Fire blight - Suspected	Erwinia amylovora
1	Frogeye leaf spot; Black rot	Botryosphaeria obtusa
1	Insufficient sample	Incomplete submission
1	No pathogen found	No Detection
1	Sooty blotch flyspeck complex	Various Fungi
7	Total for Crabapple	
Crape Myrtle		
1	Cercospora leaf spot	Cercospora sp./spp.
3	Crapemyrtle bark scale	Acanthococcus lagerstroemiae
1	Insect damage - Suspected	Class Insecta
1	Lab comments	Lab notes
1	Mites	Order Acari
1	No pathogen found	No Detection
1	Root rot - Suspected	Unidentified Agent
3	Sooty mold	Unidentified Fungus
1	True bugs	Order Hemiptera
13	Total for Crape Myrtle	
Creeping juniper		
1	Fungal leaf blight	Unidentified Fungus
1	Total for Creeping juniper	
Cypress		
1	Insufficient sample	Incomplete submission
1	Lecanium scales	Lecanium sp./spp.
1	Mites	Order Acari
1	Normal plant growth	Identification Analysis
1	Phomopsis tip blight; Needle blight	Phomopsis juniperovora
1	Scale insects	Order Homoptera
6	Total for Cypress	
Cypress family		
1	Crown and root rot	Phytophthora sp./spp.
1	Fungal leaf spot	Unidentified Fungus
1	Pestalotiopsis needle blight; Tip blight	Pestalotiopsis sp./spp.
3	Total for Cypress family	
Deutzia		
1	Lab comments	Lab notes

1	Total for Deutzia	
Distylium		
1	Crown and root rot	Phytophthora sp./spp.
1	Total for Distylium	
Dogwood		
2	Cercospora leaf spot	Cercospora sp./spp.
1	Cercospora leaf spot	Pseudocercospora cornicola
1	Cladoptosis	Abiotic disorder
1	Crown and root rot	Phytophthora sp./spp.
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
1	Discula anthracnose	Discula sp./spp.
	Dogwood borer -	
1	Suspected	Synanthedon scitula
	Herbicide injury -	
1	Suspected	Abiotic disorder
1	Insufficient sample	Incomplete submission
1	Leaf spot	Pestalotiopsis sp./spp.
1	Lichens	Lichenes
5	No pathogen found	No Detection
	Nutritional deficiency -	
1	Suspected	Abiotic disorder
2	Scale insects	Order Homoptera
1	Spider mites	Family Tetranychidae
1	Spot anthracnose	Elsinoe corni
	Wood boring insect	
1	damage	Class Insecta
23	Total for Dogwood	
Dwarf Alberta Spruce		
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
2	No pathogen found	No Detection
	Total for Dwarf Alberta	
3	Spruce	
Elderberry		
	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
1	Eriophyid mites	Family Eriophyidae
1	No pathogen found	No Detection
	Tomato ringspot (ToRSV) - Not	
1	Detected	Nepovirus Tomato Ringspot Virus
1	Twospotted spider mite	Tetranychus urticae

5	Total for Elderberry	
Euonymus		
1	Tea scale	Fiorinia theae
1	True bugs	Order Hemiptera
2	Total for Euonymus	
European Cranberrybush		
1	Leaf spot; Blotch	Didymosphaeria petrakiana
1	Leaf spot; Blotch	Didymosphaeria sp./spp.
	Total for European	
2	Cranberrybush	
Evergreen Euonymus		
1	Euonymus scale	Unaspis euonymi
1	Insufficient sample	Incomplete submission
	Total for Evergreen	
2	Euonymus	
Falsecypress		
1	Dieback; Canker	Seiridium sp./spp.
1	Needle blight	Phyllosticta sp./spp.
2	Total for Falsecypress	
Fig (Ornamental)		
1	Anthraxnose	Colletotrichum sp./spp.
	Total for Fig	
1	(Ornamental)	
Flowering Cherry		
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
	Sunscald; Sunburn -	
1	Suspected	Abiotic disorder
	Total for Flowering	
2	Cherry	
Forsythia; Golden Bells		
1	Lichens	Lichenes
1	No pathogen found	No Detection
	Total for Forsythia;	
2	Golden Bells	
Foster Holly		
1	Cicada egg-laying injury	Family Cicadidae

1	No pathogen found	No Detection
1	Root rot - Suspected	Unidentified Agent
3	Total for Foster Holly	
Frangipani; Plumeria		
1	Anthrachnose	Colletotrichum sp./spp.
	Natural senescence -	
1	Suspected	Abiotic disorder
1	Spider mites	Family Tetranychidae
	Total for Frangipani;	
3	Plumeria	
Gardenia		
2	Lab comments	Lab notes
1	No pathogen found	No Detection
	Oedema; Edema -	
1	Suspected	Abiotic disorder
1	Sooty mold	Unidentified Fungus
1	Whiteflies	Family Aleyrodidae
6	Total for Gardenia	
Green Ash		
	Branch and twig borers -	
1	Suspected	Family Bostrichidae
1	Total for Green Ash	
Heller Holly; Mushroom Holly		
1	Crown and root rot	Phytophthora sp./spp.
	Total for Heller Holly; Mushroom	
1	Holly	
Hetzi Holly		
1	Insufficient sample	Incomplete submission
1	No pathogen found	No Detection
2	Total for Hetzi Holly	
Hinoki Falsecypress		
1	Insufficient sample	Incomplete submission
	Total for Hinoki	
1	Falsecypress	
Hydrangea		
	Bacterial blight - Not	
1	Detected	Xanthomonas sp./spp.
	Cucumber mosaic (CMV) - Not	
1	Detected	Cucumovirus Cucumber Mosaic Virus



1	Fungal leaf blight	Unidentified Fungus
1	Fungal leaf spot	Cercospora hydrangeae
1	Fungal leaf spot	Unidentified Fungus
1	Impatiens necrotic spot (INSV) -	
1	Not Detected	Tospovirus Impatiens Necrotic Spot Virus
1	Insufficient sample	Incomplete submission
1	Lab comments	Lab notes
1	No pathogen found	No Detection
	Tobacco mosaic (TMV) - Not	
1	Detected	Tobamovirus Tobacco Mosaic Virus
	Tobacco ringspot (TRSV) - Not	
1	Detected	Nepovirus Tobacco Ringspot Virus
	Tomato ringspot (ToRSV) - Not	
1	Detected	Nepovirus Tomato Ringspot Virus
	Tomato spotted wilt (TSWV) -	
1	Not Detected	Tospovirus Tomato Spotted Wilt Virus
13	Total for Hydrangea	

#### Inkberry

	Black root rot - Not	
1	Detected	Berkeleyomyces basicola
	Chemical; Environmental injury	
1	- Suspected	Abiotic disorder
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
	Pythium root and/or	
1	crown rot	Pythium sp./spp.
4	Total for Inkberry	

#### Japanese Boxwood

	Boxwood blight; Leaf & stem	
1	blight	Calonectria pseudonaviculata
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
1	Root rot - Suspected	Unidentified Agent
	Total for Japanese	
3	Boxwood	

#### Japanese Cedar

	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
1	No pathogen found	No Detection
2	Pestalotiopsis dieback	Pestalotiopsis funerea
	Total for Japanese	
4	Cedar	

#### Juniper

1	Bagworm moths	Family Psychidae
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1	Canker - Suspected	Unidentified Agent
1	Charcoal rot	Macrophomina phaseolina
1	Crown and root rot	Phytophthora sp./spp.
	Crown and root rot - Not	
3	Detected	Phytophthora sp./spp.
2	Dieback; Canker	Seiridium sp./spp.
1	Juniper scale	Carulaspis juniperi
2	Lab comments	Lab notes
	Natural senescence -	
1	Suspected	Abiotic disorder
3	No pathogen found	No Detection
	Pestalotiopsis needle blight; Tip	
2	blight	Pestalotiopsis sp./spp.
	Phytophthora dieback;	
1	Blight	Phytophthora sp./spp.
1	Rust	Gymnosporangium sp./spp.
1	Scale insects	Order Homoptera
1	Spider mites	Family Tetranychidae
22	Total for Juniper	

#### Laurel

1	Deteriorated sample	Deterioration
1	Rhizoctonia root rot	Rhizoctonia sp./spp.
2	Total for Laurel	

#### Ligustrum; Privet

	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
1	Lab comments	Lab notes
2	No pathogen found	No Detection
	Total for Ligustrum;	
4	Privet	

#### Lilac

1	Blight	Ascochyta syringae
1	Total for Lilac	

#### Loropetalum; Chinese Fringe Flower

2	Bacterial gall	Pseudomonas savastanoi
1	Insufficient sample	Incomplete submission
1	No pathogen found	No Detection
1	Rhizoctonia root rot	Rhizoctonia sp./spp.
5	Total for Loropetalum; Chinese Fringe Flower	

#### May Hawthorne; Eastern Mayhaw

	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
	Entomosporium leaf	
1	spot	Entomosporium sp./spp.
	Total for May Hawthorne;	
2	Eastern Mayhaw	
Mugo Pine; Swiss Mountain Pine		
	Phomopsis dieback; Tip blight;	
1	Canker	Phomopsis sp./spp.
1	Red band needle blight	Dothistroma septosporum
	Total for Mugo Pine; Swiss	
2	Mountain Pine	
Mulch		
	Non-pathogenic;	
1	Saprophyte	Secondary Agents; Saprophytes; Unspecif.
1	Slime mold	Class Myxogastria; Mycetozoa
2	Total for Mulch	
Nellie R. Stevens Holly		
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
1	No pathogen found	No Detection
	Pythium root and/or	
1	crown rot	Pythium sp./spp.
	Sunscald; Sunburn -	
1	Suspected	Abiotic disorder
	Total for Nellie R.	
4	Stevens Holly	
Oakleaf Hydrangea		
1	Deteriorated sample	Deterioration
	Total for Oakleaf	
1	Hydrangea	
Pink Flowering Dogwood		
1	Crown and root rot	Phytophthora sp./spp.
1	No pathogen found	No Detection
	Total for Pink Flowering	
2	Dogwood	
Possom Haw		
1	Root rot - Suspected	Unidentified Agent
1	Total for Possom Haw	
Prunus		

1	Bacterial leaf spot	Xanthomonas arboricola pv. pruni
1	Total for Prunus	
Rhododendron		
1	Anthraxnose	Colletotrichum sp./spp.
1	Crown and root rot	Phytophthora sp./spp.
1	Natural senescence	Abiotic disorder
3	Total for Rhododendron	
Rocky Mountain Juniper		
1	Crown and root rot	Phytophthora sp./spp.
	Kabatina tip blight;	
1	Needle blight	Kabatina juniperi
1	Tip blight	Diplodia sp./spp.
	Winter injury -	
1	Suspected	Abiotic disorder
	Total for Rocky	
4	Mountain Juniper	
Rose-of-sharon; Shrub-althea		
	Excessive water -	
1	Suspected	Abiotic disorder
	Rhopalid bug; Hibiscus	
1	scentless plant bug	Niesthrea louisianica
	Total for Rose-of-sharon;	
2	Shrub-althea	
Russian Sage		
1	Root rot - Suspected	Unidentified Agent
1	Total for Russian Sage	
Sasanqua Camellia		
1	Glomerella canker	Colletotrichum gloeosporioides
	Total for Sasanqua	
1	Camellia	
Sawtooth Oak		
	Cytospora canker;	
1	Dieback	Cytospora sp./spp.
1	Total for Sawtooth Oak	
Serviceberry		
	Fire blight - Not	
1	Detected	Erwinia amylovora
	Freeze; Frost; Cold damage -	
1	Suspected	Abiotic disorder

1	Mechanical damage	Abiotic disorder
1	Rust	Gymnosporangium sp./spp.
4	Total for Serviceberry	
Shortleaf Pine		
1	Branch and twig borers	Family Bostrichidae
1	Total for Shortleaf Pine	
Spirea		
1	No pathogen found	No Detection
1	Total for Spirea	
Spreading English Yew		
	Moisture stress -	
1	Suspected	Abiotic disorder
	Total for Spreading	
1	English Yew	
Spruce (Ornamental)		
1	No pathogen found	No Detection
	Total for Spruce	
1	(Ornamental)	
Sweetgum		
1	Deteriorated sample	Deterioration
1	Total for Sweetgum	
Trident Maple		
	Cottony maple scale -	
1	Undetermined	Neopulvinaria innumerabilis
1	No pathogen found	No Detection
2	Total for Trident Maple	
Unknown Tree/Shrub		
	Bacterial blight - Not	
1	Detected	Xanthomonas sp./spp.
	Dieback; Canker; Twig	
1	blight	Botryosphaeria sp./spp.
	Entomosporium leaf	
1	spot	Entomosporium sp./spp.
1	Fungal leaf blight	Unidentified Fungus
1	Insufficient sample	Incomplete submission
1	Lab comments	Lab notes
	Pestalotiopsis needle blight; Tip	
1	blight	Pestalotiopsis sp./spp.
2	Sooty mold	Unidentified Fungus

	Wood boring insect damage	
	Total for Unknown	Class Insecta
10	Tree/Shrub	
Variegated Red-twig Dogwood		
	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
	Total for Variegated Red-twig	
1	Dogwood	
Viburnum		
	Armillaria root rot - Not	
1	Detected	Armillaria sp./spp.
1	Ascochyta blight	Ascochyta sp./spp.
1	Cercospora leaf spot	Cercospora sp./spp.
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
	Dieback; Canker; Twig blight -	
1	Not Detected	Botryosphaeria sp./spp.
	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
1	Insufficient sample	Incomplete submission
1	Lab comments	Lab notes
2	No pathogen found	No Detection
	Phytophthora canker - Not	
1	Detected	Phytophthora sp./spp.
	Rhizoctonia root rot - Not	
1	Detected	Rhizoctonia sp./spp.
	Verticillium dieback - Not	
1	Detected	Verticillium sp./spp.
13	Total for Viburnum	
Weeping Willow		
1	Adventitious buds	Abiotic disorder
1	Cercospora leaf spot	Pseudocercospora salicina
	Willow bacterial twig	
1	blight	Pseudomonas saliciperda
	Total for Weeping	
3	Willow	
Weigela		
1	No pathogen found	No Detection
1	Total for Weigela	
Willow Oak		
2	Anthraxnose	Apiognomonina errabunda

	Bacterial wetwood;	
1	Slime flux	Unidentified Bacteria
1	Deteriorated sample	Deterioration
2	Fungal leaf spot	Unidentified Fungus
1	Gouty oak gall wasp	Callirhytis quercus
1	Horned oak gall wasp	Callirhytis cornigera
	Insect damage -	
1	Suspected	Class Insecta
1	Leaf spot	Tubakia sp./spp.
4	No pathogen found	No Detection
14	Total for Willow Oak	
Wisteria		
1	No pathogen found	No Detection
1	Total for Wisteria	
Witch Alder		
1	Crown and root rot	Phytophthora sp./spp.
1	Total for Witch Alder	
Yaupon		
	Canker; Coral spot; Blight;	
1	Dieback	Nectria cinnabarina
1	Crown and root rot	Phytophthora sp./spp.
1	Dieback; Canker	Nectria sp./spp.
	Herbicide injury -	
1	Suspected	Abiotic disorder
1	No pathogen found	No Detection
1	Spider mites	Family Tetranychidae
6	Total for Yaupon	
Yew		
1	Crown and root rot	Phytophthora sp./spp.
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
1	No pathogen found	No Detection
6	Oedema; Edema	Abiotic disorder
	Rhizoctonia root rot - Not	
1	Detected	Rhizoctonia sp./spp.
1	Root rot - Suspected	Unidentified Agent
11	Total for Yew	
Yucca		
1	Cladosporium leaf spot	Cladosporium sp./spp.
1	Total for Yucca	

## Turf

### Bermudagrass - Turf

1	Algae - Undetermined	Unidentified Algae
1	Anthraxnose	Colletotrichum sp./spp.
2	Ascochyta blight	Ascochyta sp./spp.
1	Bermudagrass mite	Eriophyes cynodoniensis
11	Bermudagrass scale	Odonaspis ruthae
9	Billbug	Sphenophorus sp./spp.
1	Black layer of Turfgrass	Abiotic disorder
	Curvularia blight; Leaf	
8	spot	Curvularia sp./spp.
2	Dense thatch layer	Abiotic disorder
	Excessive water -	
1	Suspected	Abiotic disorder
	Fairy ring -	
1	Undetermined	Unidentified Fungus
	Freeze; Frost; Cold	
4	damage	Abiotic disorder
2	Fusarium leaf spot	Fusarium sp./spp.
1	Grasses	Family Poaceae
1	Groundpearls	Margarodes sp./spp.
	Helminthosporium leaf	
4	spot	Bipolaris cynodontis
	Insect damage on	
8	Turfgrass	Class Insecta
1	Insufficient sample	Incomplete submission
	Insufficient sample	
1	(Turf)	Incomplete submission
5	Lab comments	Lab notes
1	Lab notes	Lab comments
37	Large patch	Rhizoctonia solani
1	Leaf spot	Exserohilum sp./spp.
	Low pH; Nutrient	
1	imbalance	Abiotic disorder
3	Melting out (Turfgrass)	Drechslera sp./spp.
	Nematodes; General	
1	plant	Order Tylenchida
	Pink snow mold; Monographella	
1	patch	Monographella nivalis
1	Polypore mushroom	Family Polyporaceae
	Pythium blight; Cottony	
98	blight	Pythium sp./spp.
	Rhizoctonia root rot - Not	
1	Detected	Rhizoctonia sp./spp.
5	Spring dead spot	Ophiosphaerella sp./spp.
17	Take all	Gaeumannomyces graminis var. avenae



	White grubs (Scarab beetles) -	
1	Suspected	Family Scarabaeidae
3	Winter injury	Abiotic disorder
1	Yellow tuft	Sclerophthora macrospora
	Total for Bermudagrass	
237	- Turf	

#### Centipedegrass

1	Host-site mis-match	Abiotic disorder
1	Lab comments	Lab notes
1	Large patch	Rhizoctonia solani
	Pythium blight; Cottony	
6	blight	Pythium sp./spp.
3	Take all	Gaeumannomyces graminis var. avenae
	Total for	
12	Centipedegrass	

#### Feather Reed Grass

1	Leaf rust; Rust	Puccinia sp./spp.
	Total for Feather Reed	
1	Grass	

#### Fescues

2	Brown patch	Rhizoctonia sp./spp.
	Curvularia blight; Leaf	
1	spot	Curvularia sp./spp.
1	Gray leaf spot	Pyricularia grisea
	Pythium blight; Cottony	
1	blight	Pythium sp./spp.
5	Total for Fescues	

#### Fountain Grass

1	Fungal leaf spot	Unidentified Fungus
1	Total for Fountain Grass	

#### Grass

1	Billbug	Sphenophorus sp./spp.
1	Deteriorated sample	Deterioration
2	Take all	Gaeumannomyces graminis var. avenae
4	Total for Grass	

#### Mixed cool season turf

	Pythium blight; Cottony	
1	blight	Pythium sp./spp.
	Total for Mixed cool	
1	season turf	

#### Mixed Grasses

Chemical injury -	
1 Suspected	Abiotic disorder
1 Lab comments	Lab notes
2 Total for Mixed Grasses	

#### Mixed Warm Season Turf

Pythium blight; Cottony	
1 blight	Pythium sp./spp.
1 Take all - Suspected	Gaeumannomyces graminis var. avenae
Total for Mixed Warm Season	
2 Turf	

#### Plant Identification Request

Plant/Weed Identification	
1 Request	Identification request
Total for Plant Identification	
1 Request	

#### St. Augustinegrass

1 Ascochyta blight	Ascochyta sp./spp.
Freeze; Frost; Cold	
1 damage	Abiotic disorder
1 Fusarium blight	Fusarium sp./spp.
1 Groundpearls	Margarodes sp./spp.
Insect damage on	
1 Turfgrass	Class Insecta
Insufficient sample	
1 (Turf)	Incomplete submission
2 Large patch	Rhizoctonia solani
Nematodes; General	
1 plant	Order Tylenchida
Pythium blight; Cottony	
9 blight	Pythium sp./spp.
16 Take all	Gaeumannomyces graminis var. avenae
2 Winter injury	Abiotic disorder
Total for St.	
36 Augustinegrass	

#### Turfgrass

1 Insufficient sample	Incomplete submission
1 Total for Turfgrass	

#### Zoysia Grass

2 Anthracnose	Colletotrichum sp./spp.
1 Ascochyta blight	Ascochyta sp./spp.

13	Billbug	Sphenophorus sp./spp.
1	Billbug - Suspected	Sphenophorus sp./spp.
	Curvularia blight; Leaf	
8	spot	Curvularia sp./spp.
2	Dense thatch layer	Abiotic disorder
	Freeze; Frost; Cold	
5	damage	Abiotic disorder
	Freeze; Frost; Cold damage -	
2	Suspected	Abiotic disorder
1	Host-site mis-match	Abiotic disorder
	Insect damage on	
3	Turfgrass	Class Insecta
1	Insufficient sample	Incomplete submission
	Insufficient sample	
2	(Turf)	Incomplete submission
6	Lab comments	Lab notes
7	Lab notes	Lab comments
46	Large patch	Rhizoctonia solani
	Large patch -	
1	Suspected	Rhizoctonia solani
	Nematodes; General	
2	plant	Order Tylenchida
	Pink snow mold; Monographella	
1	patch	Monographella nivalis
	Pythium blight; Cottony	
110	blight	Pythium sp./spp.
	Pythium blight; Cottony blight -	
2	Suspected	Pythium sp./spp.
2	Root problems	Abiotic disorder
1	Scorch - Suspected	Abiotic disorder
1	Soil compaction	Abiotic disorder
44	Take all	Gaeumannomyces graminis var. avenae
	White grubs (Scarab	
2	beetles)	Family Scarabaeidae
266	Total for Zoysia Grass	

#### Zoysia; Japanese Lawngrass

1	Ascochyta blight	Ascochyta sp./spp.
1	Billbug	Sphenophorus sp./spp.
1	Lab comments	Lab notes
4	Large patch	Rhizoctonia solani
	Pythium blight; Cottony	
7	blight	Pythium sp./spp.
1	Take all	Gaeumannomyces graminis var. avenae
	Total for Zoysia; Japanese	
15	Lawngrass	

## Vegetables

### Bean

	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
	Excessive water -	
1	Suspected	Abiotic disorder
1	No pathogen found	No Detection
3	Total for Bean	

### Beans; Peas; Dolichos

	Excessive water -	
1	Suspected	Abiotic disorder
	Nutritional deficiency -	
1	Suspected	Abiotic disorder
	Total for Beans; Peas;	
2	Dolichos	

### Bell Pepper

1	Broad mite	Polyphagotarsonemus latus
1	Total for Bell Pepper	

### Broccoli

2	Insufficient sample	Incomplete submission
2	Total for Broccoli	

### Cabbage

1	Alternaria leaf blight	Alternaria sp./spp.
1	Anthrachnose	Colletotrichum sp./spp.
	Bacterial blight - Not	
1	Detected	Xanthomonas sp./spp.
1	Heat stress	Abiotic disorder
4	Total for Cabbage	

### Cauliflower

1	Pythium damping off	Pythium sp./spp.
1	Wire stem	Rhizoctonia solani
2	Total for Cauliflower	

### Celery

1	Anthrachnose	Colletotrichum sp./spp.
1	Total for Celery	

### Cherry Tomato

1	Black root rot	Berkeleyomyces basicola
1	Botrytis blight	Botrytis sp./spp.

	Cucumber mosaic (CMV) - Not	
4	Detected	Cucumovirus Cucumber Mosaic Virus
	Environmental stress;	
3	Problem	Abiotic disorder
	Environmental stress; Problem -	
2	Suspected	Abiotic disorder
	Impatiens necrotic spot (INSV) -	
5	Not Detected	Tospovirus Impatiens Necrotic Spot Virus
4	Lab comments	Lab notes
1	Late blight	Phytophthora infestans
1	Mechanical damage	Abiotic disorder
1	No pathogen found	No Detection
	Nutritional deficiency -	
1	Suspected	Abiotic disorder
	Oedema; Edema -	
1	Suspected	Abiotic disorder
	Pepino mosaic (PepMV) - Not	
1	Detected	Potexvirus Pepino Mosaic Virus
	Pythium root and/or	
1	crown rot	Pythium sp./spp.
	Pythium root and/or crown rot -	
1	Not Detected	Pythium sp./spp.
	Stink bugs - Not	
1	Detected	Family Pentatomidae
	Sunscald; Sunburn -	
1	Suspected	Abiotic disorder
1	Tobacco mosaic (TMV)	Tobamovirus Tobacco Mosaic Virus
	Tobacco mosaic (TMV) - Not	
4	Detected	Tobamovirus Tobacco Mosaic Virus
	Tomato Brown Rugose Fruit	Tobamovirus Tomato Brown Rugose Fruit
3	(ToBRFV) - Not Detected	Virus
	Tomato leaf curl New Delhi -	
1	Not Detected	Begomovirus Tomato leaf curl New Delhi virus
	Tomato spotted wilt	
1	(TSWV)	Tospovirus Tomato Spotted Wilt Virus
	Tomato spotted wilt (TSWV) -	
4	Not Detected	Tospovirus Tomato Spotted Wilt Virus
	Unknown abiotic	
1	disorder	Abiotic disorder
	Yellow shoulder; Water	
2	imbalance	Abiotic disorder
47	Total for Cherry Tomato	

#### Corn

1	Fall armyworm	Spodoptera frugiperda
	Fusarium root; Crown	
1	rot	Fusarium sp./spp.
1	Lab comments	Lab notes

	Rhizoctonia crown and	
1	root rot	Rhizoctonia solani
1	Southern corn rust	Puccinia polysora
5	Total for Corn	
Cowpea		
1	Deteriorated sample	Deterioration
1	Total for Cowpea	
Cucumber		
	Alternaria leaf blight and	
1	spot	Alternaria cucumerina
2	Anthrachnose	Colletotrichum orbiculare
1	Cercospora leaf spot	Cercospora citrullina
1	Crown and root rot	Phytophthora sp./spp.
1	Insufficient sample	Incomplete submission
6	Total for Cucumber	
Eggplant		
1	Alternaria leaf blight	Alternaria sp./spp.
	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
	Phytophthora leaf spot negative	
1	- Not Detected	Phytophthora sp./spp.
3	Total for Eggplant	
Fava (Broad) Bean		
	Pythium root and/or	
1	crown rot	Pythium sp./spp.
	Total for Fava (Broad)	
1	Bean	
Garden Beet		
	Cercospora beet leaf	
1	spot	Cercospora beticola
1	Total for Garden Beet	
Kale		
1	Aphids; Plant lice	Family Aphididae
1	Total for Kale	
Kohlrabi; Wild Cabbage		
	Butterflies; Moths; Caterpillars -	
1	Suspected	Order Lepidoptera
1	Insect damage	Class Insecta

	Total for Kohlrabi; Wild	
2	Cabbage	
Okra		
1	Bacterial leaf spot	Unidentified Bacteria
1	Cercospora leaf spot	Cercospora sp./spp.
1	Deteriorated sample	Deterioration
	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
	Excessive water -	
1	Suspected	Abiotic disorder
1	Fungal leaf spot	Unidentified Fungus
1	Fusarium wilt	Fusarium oxysporum
1	Insect damage	Class Insecta
8	Total for Okra	
Onion		
1	Fusarium basal rot	Fusarium sp./spp.
1	Total for Onion	
Pea		
	Excessive water -	
1	Suspected	Abiotic disorder
1	No pathogen found	No Detection
	Nutritional deficiency -	
2	Suspected	Abiotic disorder
4	Total for Pea	
Pea Family		
	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
1	Total for Pea Family	
Pepper		
2	Bacterial spot	Xanthomonas sp./spp.
2	Bacterial wilt	Ralstonia solanacearum
1	Broad mite	Polyphagotarsonemus latus
1	No pathogen found	No Detection
1	Root rot - Suspected	Unidentified Agent
	Stink bug; Pentatomid	
1	bug	Euschistus sp./spp.
	Sunscald; Sunburn -	
1	Suspected	Abiotic disorder
9	Total for Pepper	
Potato		

1	Acarid mites	Family Acaridae
1	Fusarium wilt	Fusarium oxysporum
2	Total for Potato	
Pumpkin		
1	Bacterial leaf spot	Unidentified Bacteria
1	Cucurbit angular leaf spot	Pseudomonas syringae pv. lachrymans
1	Cucurbit bacterial wilt	Erwinia tracheiphila
1	Fusarium crown rot	Fusarium sp./spp.
1	Insufficient sample	Incomplete submission
1	Lab comments	Lab notes
1	Powdery mildew	Order Erysiphales
1	Squash bug	Anasa tristis
8	Total for Pumpkin	
Snap Bean; Green Bean		
1	Nitrogen fixing nodules	Bradyrhizobium sp./spp.
1	Pythium damping off	Pythium sp./spp.
2	Total for Snap Bean; Green Bean	
Southern Peas; Cowpeas Blackeye Peas		
1	Ascochyta blight	Ascochyta sp./spp.
1	Common bacterial blight	Xanthomonas campestris pv. phaseoli
2	Total for Southern Peas; Cowpeas Blackeye Peas	
Spinach		
1	Cercospora beet leaf spot	Cercospora beticola
1	Total for Spinach	
Squash		
1	Alternaria leaf blight	Alternaria sp./spp.
1	Aphids; Plant lice	Family Aphididae
1	Crown and root rot - Not Detected	Phytophthora sp./spp.
1	Cucumber green mottle mosaic - Not Detected	Tobamovirus Cucumber Green Mottle Mosaic Virus (CGMMV)
2	Cucumber mosaic (CMV) - Not Detected	Cucumovirus Cucumber Mosaic Virus
1	Cucurbit gummy stem blight	Stagonosporopsis curcubitacearum
1	Fungal leaf spot	Unidentified Fungus



2	Impatiens necrotic spot (INSV) - Not Detected	Tospovirus Impatiens Necrotic Spot Virus
1	Melon severe mosaic (MeSMV) - Not Detected	Orthotospovirus Melon Severe Mosaic Virus
1	Planted too densely;	
1	Overcrowding	Abiotic disorder
1	Potyvirus Group - Not Detected	Potyvirus Group
2	Pythium damping off	Pythium sp./spp.
1	Rhizoctonia damping off	Rhizoctonia sp./spp.
1	Root rot - Suspected	Unidentified Agent
2	Squash mosaic (SqMV) - Not Detected	Comovirus cucurbitae
1	Sunscald; Sunburn - Suspected	Abiotic disorder
2	Tobacco mosaic (TMV) - Not Detected	Tobamovirus Tobacco Mosaic Virus
1	Tomato ringspot (ToRSV) - Not Detected	Nepovirus Tomato Ringspot Virus
1	Tomato spotted wilt (TSWV) - Not Detected	Tospovirus Tomato Spotted Wilt Virus
1	Unspecified pathology	Fusarium sp./spp.
2	Zucchini yellow mosaic (ZYMV) - Not Detected	Potyvirus Zucchini Yellow Mosaic Virus
27	Total for Squash	

#### Swiss Chard

1	Cercospora beet leaf spot	Cercospora beticola
1	Insect damage - Suspected	Class Insecta
2	Total for Swiss Chard	

#### Tomato

1	Adventitious buds	Abiotic disorder
2	Alfalfa mosaic (AMV) - Not Detected	Alfamovirus Alfalfa Mosaic Virus
1	Alternaria collar rot	Alternaria sp./spp.
1	Aphids; Plant lice	Family Aphididae
1	Bacterial blight - Not Detected	Xanthomonas sp./spp.
5	Bacterial canker - Not Detected	Clavibacter michiganensis subsp michiganensis
1	Bacterial soft rot - Suspected	Pectobacterium carotovorum
1	Bacterial speck	Pseudomonas syringae pv. tomato
10	Bacterial spot	Xanthomonas sp./spp.
1	Bacterial stem rot	Erwinia carotovora

9	Bacterial wilt	Ralstonia solanacearum
	Bacterial wilt - Not	
6	Detected	Ralstonia solanacearum
1	Blossom end rot	Abiotic disorder
1	Buckeye rot	Phytophthora sp./spp.
	Butterflies; Moths; Caterpillars -	
1	Suspected	Order Lepidoptera
	Butterflies; Moths;	
1	Caterpillars	Order Lepidoptera
1	Catface	Abiotic disorder
1	Chimera - Suspected	Abiotic disorder
4	Crown and root rot	Phytophthora sp./spp.
	Crown and root rot - Not	
3	Detected	Phytophthora sp./spp.
	Cucumber mosaic	
2	(CMV)	Cucumovirus Cucumber Mosaic Virus
	Cucumber mosaic (CMV) - Not	
19	Detected	Cucumovirus Cucumber Mosaic Virus
1	Deteriorated sample	Deterioration
2	Early blight; Leaf spot	Alternaria solani
	Environmental stress;	
8	Problem	Abiotic disorder
	Environmental stress; Problem -	
3	Suspected	Abiotic disorder
4	Flea beetles	Subfamily Galerucinae; Tribe Alticini
	Flea beetles -	
1	Suspected	Subfamily Galerucinae; Tribe Alticini
	Freeze; Frost; Cold damage -	
1	Suspected	Abiotic disorder
1	Fungal leaf blight	Unidentified Fungus
1	Fungal leaf spot	Unidentified Fungus
	Fusarium crown rot;	
1	Foot rot	Fusarium solani
5	Fusarium wilt	Fusarium oxysporum
	Fusarium wilt - Not	
1	Detected	Fusarium oxysporum
2	Gray leaf spot	Stemphylium botryosum
1	Growth cracks	Abiotic disorder
	Herbicide injury -	
2	Suspected	Abiotic disorder
	Herbicide injury G#4 Synthetic	
6	auxin - Suspected	Abiotic disorder
	Impatiens necrotic spot (INSV) -	
20	Not Detected	Tospovirus Impatiens Necrotic Spot Virus
1	Insect damage	Class Insecta
7	Insufficient sample	Incomplete submission
11	Lab comments	Lab notes
1	Lab notes	Lab comments

Late blight - Not	
1 Detected	Phytophthora infestans
3 Leaf mold; Spot	Passalora fulva
Mechanical damage -	
1 Suspected	Abiotic disorder
1 Mites	Order Acari
Moisture stress -	
1 Suspected	Abiotic disorder
1 Nutritional deficiency	Abiotic disorder
Nutritional deficiency -	
8 Suspected	Abiotic disorder
1 Oedema; Edema	Abiotic disorder
Oedema; Edema -	
1 Suspected	Abiotic disorder
Pepino mosaic (PepMV) - Not	
2 Detected	Potexvirus Pepino Mosaic Virus
2 Physiological leaf roll	Abiotic disorder
3 Pith necrosis	Pseudomonas corrugata
4 Potato virus Y (PVY)	Potyvirus Potato Virus Y
Potyvirus Group - Not	
3 Detected	Potyvirus Group
1 Pythium damping off	Pythium sp./spp.
Pythium damping off - Not	
1 Detected	Pythium sp./spp.
Rhizoctonia damping off - Not	
1 Detected	Rhizoctonia sp./spp.
1 Rhizoctonia root rot	Rhizoctonia sp./spp.
5 Septoria leaf spot	Septoria lycopersici
3 Spider mites	Family Tetranychidae
1 Stink bugs	Family Pentatomidae
1 Stink bugs - Suspected	Family Pentatomidae
1 Sunscald; Sunburn	Abiotic disorder
Sunscald; Sunburn -	
2 Suspected	Abiotic disorder
Temperature induced	
1 pathology	Abiotic disorder
1 Thrips	Order Thysanoptera
Tobacco etch (TEV) - Not	
3 Detected	Potyvirus Tobacco Etch Virus
1 Tobacco hornworm	Manduca sexta
8 Tobacco mosaic (TMV)	Tobamovirus Tobacco Mosaic Virus
Tobacco mosaic (TMV) - Not	
14 Detected	Tobamovirus Tobacco Mosaic Virus
Tomato aspermy (TAV) - Not	
4 Detected	Cucumovirus Tomato Aspermy Virus
Tomato Brown Rugose Fruit	Tobamovirus Tomato Brown Rugose Fruit
8 (ToBRFV) - Not Detected	Virus
Tomato leaf curl New Delhi -	
7 Not Detected	Begomovirus Tomato leaf curl New Delhi virus

7	Tomato mosaic (ToMV) - Not Detected	Tobamovirus Tomato Mosaic Virus
10	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus
15	Tomato spotted wilt (TSWV) - Not Detected	Tospovirus Tomato Spotted Wilt Virus
1	Tomato; Pepper bacterial spot	Xanthomonas campestris pv. vesicatoria
1	Verticillium wilt - Suspected	Verticillium sp./spp.
283	Total for Tomato	

#### Turnip

1	Bacterial soft rot	Pectobacterium carotovorum
1	Black spot	Alternaria brassicae
1	Boron deficiency - Suspected	Abiotic disorder
1	Crucifer bacterial black rot	Xanthomonas campestris
1	Fungal leaf spot of leafy brassicas - Suspected	Unidentified Fungus
1	Lab comments	Lab notes
1	Root rot	Phytophthora sp./spp.
1	White spot	Cercospora sp./spp.
8	Total for Turnip	

#### Turnip (Greens)

1	Deteriorated sample	Deterioration
1	Fungal leaf spot of leafy brassicas - Suspected	Unidentified Fungus
2	Total for Turnip (Greens)	

#### Yellow Squash

1	Alternaria leaf blight	Alternaria sp./spp.
1	Cucumber green mottle mosaic - Not Detected	Tobamovirus Cucumber Green Mottle Mosaic Virus (CGMMV)
2	Cucumber mosaic (CMV) - Not Detected	Cucumovirus Cucumber Mosaic Virus
1	Cucurbit gummy stem blight	Stagonosporopsis curcubitacearum
2	Impatiens necrotic spot (INSV) - Not Detected	Tospovirus Impatiens Necrotic Spot Virus
1	Insufficient sample	Incomplete submission
1	Lab notes	Lab comments
1	Magnesium deficiency	Abiotic disorder
1	Melon necrotic spot (MNSV) - Not Detected	Carmovirus Melon necrotic spot virus (MNSV)

1	Melon severe mosaic (MeSMV)	Orthotospovirus Melon Severe Mosaic Virus
1	Melon severe mosaic (MeSMV) - Not Detected	Orthotospovirus Melon Severe Mosaic Virus
2	Squash mosaic (SqMV) - Not Detected	Comovirus cucurbitae
1	Tobacco mosaic (TMV)	Tobamovirus Tobacco Mosaic Virus
1	Tobacco mosaic (TMV) - Not Detected	Tobamovirus Tobacco Mosaic Virus
1	Tomato spotted wilt (TSWV)	Tospovirus Tomato Spotted Wilt Virus
1	Tomato spotted wilt (TSWV) - Not Detected	Tospovirus Tomato Spotted Wilt Virus
1	Zucchini yellow mosaic (ZYMV) - Not Detected	Potyvirus Zucchini Yellow Mosaic Virus
20	Total for Yellow Squash	

#### Zucchini Squash

1	Excessive water	Abiotic disorder
1	Magnesium deficiency	Abiotic disorder
	Total for Zucchini	
2	Squash	

#### Weed

##### Plant Identification Request

1	Lab comments	Lab notes
	Total for Plant Identification	
1	Request	

#### Unknown Weed

1	Insufficient sample	Incomplete submission
	Total for Unknown	
1	Weed	