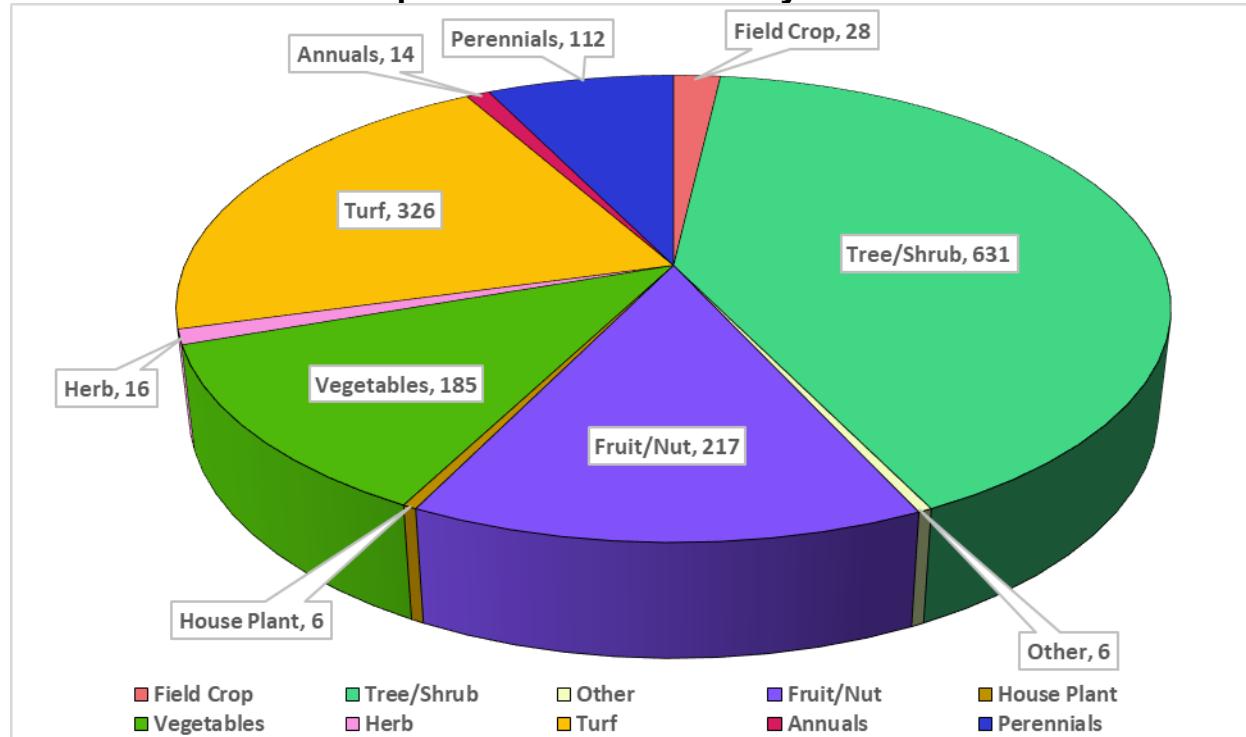


Plant Health Clinic 2025 Summary Report

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%).

Plant Health Clinic Samples Received by Commodity	Number of Samples Submitted	Percent of Total
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
Total	1541	

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

County	Plant Health Samples Submitted	County	Plant Health Clinic Samples Submitted
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
Total	1541	

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

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

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

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

Comprehensive Host-Disease Diagnosis List

Annuals

Caladium; Elephant Ear

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

Cosmos

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

Dahlia

1	Beetles	Order Coleoptera
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1	Cucumber mosaic (CMV) - Not 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

a

1	Fusarium root; Crown 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	
	Northern corn leaf blight; Leaf	Various viruses
1	spot	
1	Southern leaf blight	Exserohilum turicum
7	Total for Field Corn	Bipolaris maydis

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

1	Curvularia blight; Leaf 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 turicum
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	Russetting	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 perniciosa</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	
3	Total for Gopher Apple	Septoria pyricola

Grape

	Armillaria root rot -	
1	Suspected	Armillaria sp./spp.
3	Black rot	Phyllosticta ampelicida
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-assoc
2	pitting-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

	Anthracnose - 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	<i>Erwinia amylovora</i>
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	<i>Grapholita molesta</i>
3 Scab	<i>Venturia carpophila</i>
1 Scale insects	Order Homoptera
Wood boring insect	
1 damage	Class Insecta
26 Total for Peach	

Pear

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

Pear (For Fruit)

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

Pecan

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

1	Black pecan aphid - Suspected	<i>Melanocallis caryaefoliae</i>
1	Blackmargined aphid	<i>Monellia caryella</i>
1	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	<i>Micromus</i> sp./spp.
	Natural senescence -	
1	Suspected	Abiotic disorder
7	No pathogen found	No Detection
1	Oak petiole gall wasp	<i>Andricus quercuspetiolicola</i>
1	Pecan Phylloxera	<i>Phylloxera</i> <i>devastatrix</i>
	Pecan serpentine	
1	leafminer	<i>Cameraria caryaefoliella</i>
2	Pecan shuck decline	Abiotic disorder
2	Pecan weevil	<i>Curculio caryae</i>
6	Pecan; Hickory scab	<i>Fusicladium caryigenum</i>
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	Anthracnose	<i>Colletotrichum</i> sp./spp.
1	Black knot	<i>Apiosporina</i> <i>morbosa</i>
	Codling moth -	
1	Suspected	<i>Cydia pomonella</i>
1	Copper toxicity	Abiotic disorder
1	Fusarium fruit rot	<i>Fusarium</i> sp./spp.
1	Insect damage	Class Insecta
6	Total for Plum	

Raspberry

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

Red Mulberry

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

Strawberry

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

2	Root and or pot bound	Abiotic disorder
2	Root rot	<i>Phytophthora</i> 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	<i>Tetranychus urticae</i>
96	Total for Strawberry	

Watermelon

	Agromyzid melon	
1	leafminer	<i>Liriomyza</i> sp./spp.
1	Alternaria leaf blight	<i>Alternaria</i> sp./spp.
5	Anthracnose	<i>Colletotrichum orbiculare</i>
	Bacterial fruit blotch - Not	
1	Detected	<i>Acidovorax citrulli</i>
2	Cercospora leaf spot	<i>Cercospora citrullina</i>
	Crown and root rot - Not	
1	Detected	<i>Phytophthora</i> sp./spp.
	Cucurbit bacterial wilt - Not	
1	Detected	<i>Erwinia tracheiphila</i>
	Cucurbit gummy stem	
4	blight	<i>Stagonosporopsis curcubitacearum</i>
	Cucurbit gummy stem blight -	
3	Not Detected	<i>Stagonosporopsis cucurbitacearum</i>
	Fusarium wilt - Not	
1	Detected	<i>Fusarium oxysporum</i>
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	<i>Pythium</i> sp./spp.
	Pythium root and/or crown rot -	
1	Not Detected	<i>Pythium</i> sp./spp.
1	Rhizoctonia damping off	<i>Rhizoctonia</i> sp./spp.
	Watermelon Fusarium	
3	wilt	<i>Fusarium oxysporum</i> f sp <i>niveum</i>
31	Total for Watermelon	

Ground Cover; Vine

Jasmine

1	Fusarium wilt	<i>Fusarium oxysporum</i>
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	<i>Erysiphe heraclei</i>
1	Total for Dill	

Garlic

1	Corm and bulb rot	<i>Penicillium</i> sp./spp.
1	Fusarium basal rot	<i>Fusarium</i> sp./spp.
1	Garlic Penicillium decay	<i>Penicillium hirsutum</i>
1	Undetermined injury	Unidentified agent
1	White rot - Not Detected	<i>Stromatinia cepivora</i>
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	<i>Berkeleyomyces basicola</i>
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	<i>Phytophthora</i> sp./spp.
1	Powdery mildew	<i>Erysiphe cichoracearum</i>
2	Powdery mildew	<i>Golovinomyces</i> sp./spp.
	Powdery mildew - Not	
1	Detected	Order Erysiphales
	Pythium root and/or	
1	crown rot	<i>Pythium</i> 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 Oedema; Edema -	Colletotrichum gloeosporioides
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	<i>Xanthomonas campestris</i>
1	Iris borer	<i>Macronoctua onusta</i>
2	Iris leaf spot	<i>Cladosporium iridis</i>
1	Lesser bulb fly	<i>Eumerus tuberculatus</i>
6	Total for Iris	

Ivy

1	Root rot - Suspected	Unidentified Agent
1	Total for Ivy	

Joe-pye Weed; Purple Boneset

1	Cercospora leaf spot	<i>Cercospora</i> 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	<i>Tetranychus urticae</i>
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	<i>Phytophthora</i> sp./spp.
1	No pathogen found	No Detection
Total for Penstemon; Beard-tongue		
Peony		
2	Blight	<i>Botrytis paeoniae</i>
1	Cercospora leaf spot	<i>Cercospora</i> sp./spp.
1	Deteriorated sample	Deterioration
1	Lab comments	Lab notes
Phytophthora leaf spot negative		
1	- Not Detected	<i>Phytophthora</i> sp./spp.
2	Powdery mildew	<i>Erysiphe polygoni</i>
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	<i>Calligrapha californica</i>
1	Crown and root rot	<i>Phytophthora</i> 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)	<i>Diplocarpon rosae</i>
Butterflies; Moths;		
1	Caterpillars	Order Lepidoptera

2	Canker	Unidentified Agent
	Canker; Coral spot; Blight;	
2	Dieback	<i>Nectria cinnabrina</i>
	Crown and root rot - Not	
2	Detected	<i>Phytophthora</i> sp./spp.
4	Deteriorated sample	Deterioration
	Fire blight - Not	
1	Detected	<i>Erwinia amylovora</i>
	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	<i>Rosiphyllella rosicola</i>
12	No pathogen found	No Detection
	Phytoplasma disease - Not	
1	Detected	<i>Phytoplasma</i> sp./spp.
2	Powdery mildew	<i>Podosphaera pannosa</i>
1	Rodents	Order Rodentia
1	Root rot - Suspected	Unidentified Agent
1	Root rot - Undetermined	Unidentified Agent
	Rose rosette disease	
9	(RRV)	<i>Emaravirus Rose Rosette Virus</i>
	Rose rosette disease (RRV) -	
7	Not Detected	<i>Emaravirus Rose Rosette Virus</i>
1	Scale insects	Order Homoptera
	Verticillium wilt -	
1	Suspected	<i>Verticillium</i> sp./spp.
61	Total for Rose	

Rudbeckia

	Moisture stress -	
1	Suspected	Abiotic disorder
1	Total for Rudbeckia	

Sedum

1	Crown and root rot	<i>Phytophthora</i> sp./spp.
1	Fungal leaf spot	Unidentified Fungus
2	Total for Sedum	

Shasta Daisy

1	Alternaria leaf blight	<i>Alternaria</i> sp./spp.
1	Crown gall	<i>Agrobacterium tumefaciens</i>

	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
Total for Flowering
1 Quince

Abiotic disorder

Fragrant Snowball Viburnum

1 No pathogen found
1 Oedema; Edema
Phytophthora leaf spot negative
1 - Not Detected
Total for Fragrant Snowball
3 Viburnum

No Detection

Abiotic disorder

Phytophthora sp./spp.

Holly

Black root rot - Not
3 Detected
1 Brown soft scale
1 Canker
1 Canker - Suspected
1 Cottony camellia scale
3 Crown and root rot
Crown and root rot - Not
3 Detected
Freeze; Frost; Cold damage -
1 Suspected
3 Insufficient sample
1 Lab comments
Mechanical damage -
1 Suspected
7 No pathogen found
Phomopsis dieback; Tip blight;
1 Canker
Phytophthora twig dieback - Not
1 Detected
Pythium root and/or
1 crown rot
Pythium root and/or crown rot -
3 Not Detected
1 Root rot - Suspected
1 Root rot - Undetermined
1 Sooty mold
1 Tea scale
Wood boring insect
1 damage

Berkeleyomyces basicola

Coccus hesperidum

Unidentified Agent

Unidentified Agent

Pulvinaria floccifera

Phytophthora sp./spp.

Phytophthora sp./spp.

Abiotic disorder

Incomplete submission

Lab notes

Abiotic disorder

No Detection

Phomopsis sp./spp.

Phytophthora ilicis

Pythium sp./spp.

Pythium sp./spp.

Unidentified Agent

Unidentified Agent

Unidentified Fungus

Fiorinia theae

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 blight	
1	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	
1 Total for Callery Pear	Erwinia amylovora

Cedar

1 Cedar-apple rust	Gymnosporangium juniperi-virginianae
Crown and root rot - Not Detected	
2 Detected	Phytophthora sp./spp.
1 Lab comments	Lab notes
1 No pathogen found	No Detection
Pestalotiopsis needle blight; Tip blight	Pestalotiopsis sp./spp.
1 Sirococcus twig blight	Sirococcus sp./spp.
7 Total for Cedar	

Cherry (Ornamental)

Brown rot; Blossom blight; Fruit rot	Monilinia sp./spp.
Canker; Stem blight;	
1 Dieback	Botryosphaeria dothidea
Crown and root rot - Not Detected	
1 Heat stress	Phytophthora sp./spp.
1 Lichens	Abiotic disorder
Mycosphaerella leaf spot	Lichenes
Total for Cherry	Passalora circumscissa
6 (Ornamental)	

Cherry Plum - Tree

1	Anthracnose	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	Stigmina needle blight	Stigmina 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 salciperda
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
	Phomopsis tip blight; Needle	
1	blight	
	Total for Eastern Red	
8	Cedar	Phomopsis juniperovora

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	Rebdud	

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

4 Total for Flowering
4 Dogwood

Ginkgo

	Bacterial leaf scorch - Not	
2	Detected	<i>Xylella fastidiosa</i>
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	<i>Phyllosticta thujae</i>
2	Crown and root rot	<i>Phytophthora</i> sp./spp.
	Crown and root rot - Not	
1	Detected	<i>Phytophthora</i> sp./spp.
2	Lab comments	Lab notes
3	No pathogen found	No Detection
	Pestalotiopsis canker/	
1	dieback	<i>Pestalotiopsis</i> sp./spp.
	Pestalotiopsis needle blight; Tip	
3	blight	<i>Pestalotiopsis</i> 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
1 Nectria canker
Total for Japanese Dogwood;
2 Kousa

Botryosphaeria dothidea
Neonectria ditissima

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	Anthracnose	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	

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

Leyland Cypress

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

Loblolly Pine

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

Magnolia

	Butterflies; Moths; Caterpillars -	
1	Suspected	Order Lepidoptera
1	False oleander scale	<i>Pseudaulacaspis cockerelli</i>
	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.
1	Yellow-bellied	
1	sapsucker	<i>Sphyrapicus varius</i>

39 Total for Maple

Mulberry (Ornamental)

	Bacterial wetwood; Slime flux -	
1	Suspected	Unidentified Bacteria
1	Mycosphaerella leaf	
1	spot	<i>Neophloeospora maculans</i>
2	Total for Mulberry	
2	(Ornamental)	

Oak

1	Anthracnose	<i>Apiognomonia errabunda</i>
	Bacterial wetwood; Slime flux -	
1	Suspected	Unidentified Bacteria
	Butterflies; Moths;	
1	Caterpillars	Order Lepidoptera
	Canker; Stem blight;	
2	Dieback	<i>Botryosphaeria dothidea</i>
	Chemical injury -	
1	Suspected	Abiotic disorder
	Crown and root rot - Not	
1	Detected	<i>Phytophthora</i> sp./spp.
2	Deteriorated sample	Deterioration
	Dieback; Canker; Twig	
1	blight	<i>Botryosphaeria</i> sp./spp.
	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
1	Fungal leaf spot	Unidentified Fungus
2	High pH damage	Abiotic disorder
1	Hypoxylon canker	<i>Biscogniauxia atropunctata</i>
	Hypoxylon canker - Not	
3	Detected	<i>Biscogniauxia atropunctata</i>
	Hypoxylon canker -	
1	Suspected	<i>Biscogniauxia atropunctata</i>
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	<i>Taphrina</i> sp./spp.
3	Leaf spot	<i>Tubakia</i> sp./spp.
4	Lichens	Lichenes
	Marginal leaf fold midge	
2	gallmaker	<i>Macrodiplosis erubescens</i>

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

Pin Oak

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

Pine

1	Diplodia tip blight;	
1	Canker	<i>Diplodia sapinea</i>
1	Insufficient sample	Incomplete submission
2	Pitch canker - Suspected	<i>Fusarium tricinctum</i>
1	Red band needle blight	<i>Dothistroma septosporum</i>
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	<i>Polyphagotarsonemus latus</i>
1	Leaf spot	<i>Pseudocercospora platanicola</i>
1	Powdery mildew	<i>Erysiphe platani</i>
3	Total for Planetree; 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

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

1	Leaf spot	Tubakia sp./spp.
1	Phytophthora canker -	
1	Suspected	Phytophthora sp./spp.
	Trunk girdling -	
1	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	Anthracnose	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	<i>Pseudomonas syringae</i>
	Pythium root and/or	
2	crown rot	<i>Pythium</i> sp./spp.
	Verticillium dieback - Not	
1	Detected	<i>Verticillium</i> sp./spp.
	Verticillium dieback -	
1	Suspected	<i>Verticillium</i> sp./spp.
	Total for Southern	
14	Magnolia	

Spruce

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

Sugar Maple

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

Swamp White Oak

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

Sweetgum

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

Tulip Tree

1	Crown and root rot	<i>Phytophthora</i> sp./spp.
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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	<i>Taphrina caerulescens</i>
2	Total for Water Oak	

Weeping Cherry

2	Leaf blight and spot;	
2	Shothole	<i>Blumeriella jaapii</i>
1	Spider mites	Family Tetranychidae
3	Total for Weeping Cherry	

White Oak

1	Crown and root rot	<i>Phytophthora</i> sp./spp.
	Dieback; Canker; Twig	
1	blight	<i>Botryosphaeria</i> sp./spp.
1	Fungal leaf spot	Unidentified Fungus
1	Gall wasps	Family Cynipidae
	Hypoxylon canker -	
1	Suspected	<i>Biscogniauxia atropunctata</i>
2	Insect damage	Class Insecta
1	Leaf spot	<i>Tubakia</i> sp./spp.
1	Leaf spot - Not Detected	<i>Tubakia</i> sp./spp.
1	Root rot - Suspected	Unidentified Agent
1	Solitary oak leafminer	<i>Cameraria hamadryadella</i>
1	Unspecified pathology	<i>Coryneum</i> sp./spp.
	Unspecified pathology - Not	
1	Detected	<i>Phomopsis</i> sp./spp.
1	Wool sower gall wasp	<i>Callirhytis seminator</i>
14	Total for White Oak	

White Oaks

1	Anthracnose	<i>Apiognomonia errabunda</i>
1	Hypoxylon canker	<i>Biscogniauxia atropunctata</i>
	Wood boring insect	
1	damage	Class Insecta
	Wood rot fungus; False turkey	
1	tail	<i>Stereum ostrea</i>
4	Total for White Oaks	

Willow

1	Cercospora leaf spot	<i>Pseudocercospora salicina</i>
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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 (SLRSV)
1	Detected	
	Tobacco ringspot (TRSV) - Not	Nepovirus Tobacco Ringspot Virus
1	Detected	
	Tomato black ring (TBRV) - Not	Nepovirus Tomato Black Ring Virus
1	Detected	
	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
	Natural senescence -	
3	Suspected	Abiotic disorder
12	No pathogen found	No Detection
	Non-pathogenic;	
1	Saprophyte	Secondary Agents; Saprophytes; Unspecif.
2	Normal plant growth	Identification Analysis
	Pestalotiopsis needle blight; Tip	
18	blight	
	Phomopsis dieback; Tip blight;	
1	Canker	Phomopsis sp./spp.
	Phomopsis tip blight; Needle	
2	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
	Winter injury -	
1	Suspected	Abiotic disorder
	Yellow-bellied	
1	sapsucker	<i>Sphyrapicus varius</i>
94	Total for Arborvitae	

Arizona Cypress

1	Dieback; Canker	Seiridium sp./spp.
	Total for Arizona	
1	Cypress	

Ash

1	Ash flower gall mite	<i>Aceria fraxiniflora</i>
1	Emerald ash borer	<i>Agrilus planipennis</i>
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	<i>Berkeleyomyces basicola</i>
1	Crown and root rot	<i>Phytophthora</i> sp./spp.
	Crown and root rot - Not	
1	Detected	<i>Phytophthora</i> sp./spp.
	Dieback; Canker; Twig	
1	blight	<i>Botryosphaeria</i> sp./spp.
	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
1	Insect damage	Class Insecta
	Pythium root and/or crown rot -	
1	Not Detected	<i>Pythium</i> sp./spp.
1	Root rot - Suspected	Unidentified Agent
	Total for Boxleaf	
8	Japanese Holly	

Boxwood

	Boxwood blight; Leaf & stem	
2	blight - Not Detected	<i>Calonectria pseudonaviculata</i>
	Boxwood Macrophoma	
3	leaf spot	<i>Dothiorella candellei</i>
	Boxwood Volutella	
9	blight; Canker	<i>Pseudonectria buxi</i>
2	Crown and root rot	<i>Phytophthora</i> sp./spp.
	Crown and root rot - Not	
5	Detected	<i>Phytophthora</i> sp./spp.
	Dieback; Canker; Twig	
1	blight	<i>Botryosphaeria</i> 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
7 Total for Camellia

Abiotic disorder

Cherry laurel

1 Insect damage
1 No pathogen found
2 Total for Cherry laurel

Class Insecta
No Detection

Chinese Fringetree

1 Insect damage
Total for Chinese
1 Fringetree

Class Insecta

Common Barberry

Environmental stress; Problem -
1 Suspected
Total for Common
1 Barberry

Abiotic disorder

Common Boxwood

Boxwood Volutella
1 blight; Canker
Drought stress damage -
1 Suspected
Heat and water stress -
1 Suspected
1 No pathogen found
Total for Common
4 Boxwood

Pseudonectria buxi
Abiotic disorder
Abiotic disorder
No Detection

Common Lilac

1 Septoria leaf spot
1 Total for Common Lilac

Septoria sp./spp.

Conifers, Softwoods

1 Lab comments
Phomopsis tip blight; Needle
1 blight
1 Spider mites
Total for Conifers,
3 Softwoods

Lab notes
Phomopsis juniperovora
Family Tetranychidae

Crabapple

1 Crown and root rot
1 Fire blight

Phytophthora sp./spp.
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
	Insect damage -	
1	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
	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
	Phomopsis tip blight; Needle blight	
1	Scale insects	Phomopsis juniperovora
6	Total for Cypress	Order Homoptera

Cypress family

1	Crown and root rot	Phytophthora sp./spp.
1	Fungal leaf spot	Unidentified Fungus
	Pestalotiopsis needle blight; Tip blight	
3	Total for Cypress family	Pestalotiopsis sp./spp.

Deutzia

1	Lab comments	Lab notes
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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
- 1 True bugs
- 2 Total for Euonymus

Fiorinia theae
Order Hemiptera

European Cranberrybush

- 1 Leaf spot; Blotch
- 1 Leaf spot; Blotch
- Total for European
- 2 Cranberrybush

Didymosphaeria petrakiana
Didymosphaeria sp./spp.

Evergreen Euonymus

- 1 Euonymus scale
- 1 Insufficient sample
- Total for Evergreen
- 2 Euonymus

Unaspis euonymi
Incomplete submission

Falsecypress

- 1 Dieback; Canker
- 1 Needle blight
- 2 Total for Falsecypress

Seiridium sp./spp.
Phyllosticta sp./spp.

Fig (Ornamental)

- 1 Anthracnose
- Total for Fig
- 1 (Ornamental)

Colletotrichum sp./spp.

Flowering Cherry

- Crown and root rot - Not
- 1 Detected
- Sunscald; Sunburn -
- 1 Suspected
- Total for Flowering
- 2 Cherry

Phytophthora sp./spp.

Abiotic disorder

Forsythia; Golden Bells

- 1 Lichens
- 1 No pathogen found
- Total for Forsythia;
- 2 Golden Bells

Lichenes
No Detection

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	Anthracnose	<i>Colletotrichum</i> 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	<i>Phytophthora</i> 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	<i>Xanthomonas</i> sp./spp.
	Cucumber mosaic (CMV) - Not	
1	Detected	Cucumovirus Cucumber Mosaic Virus

1	Fungal leaf blight	Unidentified Fungus
1	Fungal leaf spot	<i>Cercospora hydrangeae</i>
1	Fungal leaf spot	Unidentified Fungus
	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	<i>Nepovirus</i> Tobacco Ringspot Virus
	Tomato ringspot (ToRSV) - Not	
1	Detected	<i>Nepovirus</i> 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	<i>Berkeleyomyces basicola</i>
	Chemical; Environmental injury	
1	- Suspected	Abiotic disorder
	Crown and root rot - Not	
1	Detected	<i>Phytophthora</i> sp./spp.
	Pythium root and/or	
1	crown rot	<i>Pythium</i> sp./spp.
4	Total for Inkberry	

Japanese Boxwood

	Boxwood blight; Leaf & stem	
1	blight	<i>Calonectria pseudonaviculata</i>
	Crown and root rot - Not	
1	Detected	<i>Phytophthora</i> 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	<i>Pestalotiopsis funerea</i>
	Total for Japanese	
4	Cedar	

Juniper

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

Ligustrum; Privet

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

Lilac

1	Blight	<i>Ascochyta syringae</i>
1	Total for Lilac	

Loropetalum; Chinese Fringe Flower

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

May Hawthorne; Eastern Mayhaw

	Crown and root rot - Not	
1	Detected	Phytophthora sp./spp.
1	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	Anthracnose	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	<i>Gymnosporangium</i> 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	<i>Neopulvinaria innumerabilis</i>
1	No pathogen found	No Detection
2	Total for Trident Maple	
Unknown Tree/Shrub		
	Bacterial blight - Not	
1	Detected	<i>Xanthomonas</i> sp./spp.
	Dieback; Canker; Twig	
1	blight	<i>Botryosphaeria</i> sp./spp.
	Entomosporium leaf	
1	spot	<i>Entomosporium</i> sp./spp.
1	Fungal leaf blight	Unidentified Fungus
1	Insufficient sample	Incomplete submission
1	Lab comments	Lab notes
	Pestalotiopsis needle blight; Tip	
1	blight	<i>Pestalotiopsis</i> sp./spp.
2	Sooty mold	Unidentified Fungus

1	Wood boring insect damage	Class Insecta
10	Total for Unknown Tree/Shrub	

Variegated Red-twиг Dogwood	Environmental stress; Problem -	
1	Suspected	Abiotic disorder
	Total for Variegated Red-twиг Dogwood	

Viburnum	Armillaria root rot - Not Detected	Armillaria sp./spp.
1	Ascochyta blight	Ascochyta sp./spp.
1	Cercospora leaf spot	Cercospora sp./spp.
	Crown and root rot - Not Detected	
1	Dieback; Canker; Twig blight - Not Detected	Phytophthora sp./spp.
1	Environmental stress; Problem - Not Detected	Botryosphaeria sp./spp.
1	Suspected	Abiotic disorder
1	Insufficient sample	Incomplete submission
1	Lab comments	Lab notes
2	No pathogen found	No Detection
	Phytophthora canker - Not Detected	
1	Rhizoctonia root rot - Not Detected	Phytophthora sp./spp.
1	Verticillium dieback - Not Detected	Rhizoctonia sp./spp.
1	Total for Viburnum	Verticillium sp./spp.

Weeping Willow	Adventitious buds	Abiotic disorder
1	Cercospora leaf spot	Pseudocercospora salicina
	Willow bacterial twig blight	
1	Total for Weeping Willow	Pseudomonas salciperda

Weigela	No pathogen found	No Detection
1	Total for Weigela	

Willow Oak	Anthracnose	Apiognomonia errabunda
2		

Bacterial wetwood;	
1 Slime flux	Unidentified Bacteria
1 Deteriorated sample	Deterioration
2 Fungal leaf spot	Unidentified Fungus
1 Gouty oak gall wasp	<i>Callirhytis quercus</i>
1 Horned oak gall wasp	<i>Callirhytis cornigera</i>
Insect damage -	
1 Suspected	Class Insecta
1 Leaf spot	<i>Tubakia</i> 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	<i>Nectria cinnabrina</i>
1 Crown and root rot	Phytophthora sp./spp.
1 Dieback; Canker	<i>Nectria</i> 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	Anthracnose	<i>Colletotrichum</i> sp./spp.
2	Ascochyta blight	<i>Ascochyta</i> sp./spp.
1	Bermudagrass mite	<i>Eriophyes cynodoniensis</i>
11	Bermudagrass scale	<i>Odonaspis ruthae</i>
9	Billbug	<i>Sphenophorus</i> sp./spp.
1	Black layer of Turfgrass	Abiotic disorder
	Curvularia blight; Leaf	
8	spot	<i>Curvularia</i> 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	<i>Fusarium</i> sp./spp.
1	Grasses	Family Poaceae
1	Groundpearls	<i>Margarodes</i> sp./spp.
	Helminthosporium leaf	
4	spot	<i>Bipolaris cynodontis</i>
	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	<i>Rhizoctonia solani</i>
1	Leaf spot	<i>Exserohilum</i> sp./spp.
	Low pH; Nutrient	
1	imbalance	Abiotic disorder
3	Melting out (Turfgrass)	<i>Drechslera</i> sp./spp.
	Nematodes; General	
1	plant	Order Tylenchida
	Pink snow mold; <i>Monographella</i>	
1	patch	<i>Monographella nivalis</i>
1	Polypore mushroom	Family Polyporaceae
	Pythium blight; Cottony	
98	blight	<i>Pythium</i> sp./spp.
	Rhizoctonia root rot - Not	
1	Detected	<i>Rhizoctonia</i> sp./spp.
5	Spring dead spot	<i>Ophiophaerella</i> sp./spp.
17	Take all	<i>Gaeumannomyces graminis</i> var. <i>avenae</i>

White grubs (Scarab beetles) -
 1 Suspected
 3 Winter injury
 1 Yellow tuft
 Total for Bermudagrass
 237 - Turf

Centipedegrass

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

Feather Reed Grass

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

Fescues

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

Fountain Grass

1	Fungal leaf spot	Unidentified Fungus
1	Total for Fountain Grass	

Grass

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

Mixed cool season turf

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

Zoysia; Japanese Lawngrass

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

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	
1	Total for Bell Pepper	

Broccoli

2	Insufficient sample	
2	Total for Broccoli	

Cabbage

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

Corn

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

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

Pumpkin		
1	Bacterial leaf spot	Unidentified Bacteria
	Cucurbit angular leaf	
1	spot	<i>Pseudomonas syringae</i> pv. <i>lachrymans</i>
1	Cucurbit bacterial wilt	<i>Erwinia tracheiphila</i>
1	Fusarium crown rot	<i>Fusarium</i> sp./spp.
1	Insufficient sample	Incomplete submission
1	Lab comments	Lab notes
1	Powdery mildew	Order Erysiphales
1	Squash bug	<i>Anasa tristis</i>
8	Total for Pumpkin	

Snap Bean; Green Bean		
1	Nitrogen fixing nodules	<i>Bradyrhizobium</i> sp./spp.
1	Pythium damping off	<i>Pythium</i> sp./spp.
	Total for Snap Bean;	
2	Green Bean	

Southern Peas; Cowpeas Blackeye Peas		
1	Ascochyta blight	<i>Ascochyta</i> sp./spp.
1	Common bacterial blight	<i>Xanthomonas campestris</i> pv. <i>phaseoli</i>
2	Total for Southern Peas; Cowpeas Blackeye Peas	

Spinach		
	Cercospora beet leaf	
1	spot	<i>Cercospora beticola</i>
1	Total for Spinach	

Squash		
1	Alternaria leaf blight	<i>Alternaria</i> sp./spp.
1	Aphids; Plant lice	Family Aphididae
	Crown and root rot - Not	
1	Detected	<i>Phytophthora</i> sp./spp.
	Cucumber green mottle mosaic	Tobamovirus Cucumber Green Mottle Mosaic
1	- Not Detected	Virus (CGMMV)
	Cucumber mosaic (CMV) - Not	
2	Detected	<i>Cucumovirus</i> Cucumber Mosaic Virus
	Cucurbit gummy stem	
1	blight	<i>Stagonosporopsis curcumitacearum</i>
1	Fungal leaf spot	Unidentified Fungus

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

Swiss Chard

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

Tomato

1	Adventitious buds	Abiotic disorder
	Alfalfa mosaic (AMV) - Not	
2	Detected	Alfamovirus Alfalfa Mosaic Virus
1	Alternaria collar rot	Alternaria sp./spp.
1	Aphids; Plant lice	Family Aphididae
	Bacterial blight - Not	
1	Detected	Xanthomonas sp./spp.
	Bacterial canker - Not	Clavibacter michiganensis subsp
5	Detected	michiganensis
	Bacterial soft rot -	
1	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	<i>Phytophthora</i> 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	<i>Phytophthora</i> sp./spp.
	Crown and root rot - Not	
3	Detected	<i>Phytophthora</i> 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	<i>Alternaria solani</i>
	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	<i>Fusarium solani</i>
5	Fusarium wilt	<i>Fusarium oxysporum</i>
	Fusarium wilt - Not	
1	Detected	<i>Fusarium oxysporum</i>
2	Gray leaf spot	<i>Stemphylium botryosum</i>
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	<i>Phytophthora infestans</i>
3	Leaf mold; Spot	<i>Passalora fulva</i>
	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	<i>Pseudomonas corrugata</i>
4	Potato virus Y (PVY)	<i>Potyvirus Potato Virus Y</i>
	Potyvirus Group - Not	
3	Detected	Potyvirus Group
1	Pythium damping off	<i>Pythium</i> sp./spp.
	Pythium damping off - Not	
1	Detected	<i>Pythium</i> sp./spp.
	Rhizoctonia damping off - Not	
1	Detected	<i>Rhizoctonia</i> sp./spp.
1	Rhizoctonia root rot	<i>Rhizoctonia</i> sp./spp.
5	Septoria leaf spot	<i>Septoria lycopersici</i>
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	<i>Potyvirus Tobacco Etch Virus</i>
1	Tobacco hornworm	<i>Manduca sexta</i>
8	Tobacco mosaic (TMV)	<i>Tobamovirus Tobacco Mosaic Virus</i>
	Tobacco mosaic (TMV) - Not	
14	Detected	<i>Tobamovirus Tobacco Mosaic Virus</i>
	Tomato aspermy (TAV) - Not	
4	Detected	<i>Cucumovirus Tomato Aspermy Virus</i>
	Tomato Brown Rugose Fruit	<i>Tobamovirus Tomato Brown Rugose Fruit Virus</i>
8	(ToBRFV) - Not Detected	
	Tomato leaf curl New Delhi -	
7	Not Detected	<i>Begomovirus Tomato leaf curl New Delhi virus</i>

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	Tobamovirus Cucumber Green Mottle Mosaic Virus (CGMMV)
1	- Not Detected	
2	Cucumber mosaic (CMV) - Not Detected	Cucumovirus Cucumber Mosaic Virus
2	Cucurbit gummy stem blight	Stagonosporopsis curcumitacearum
1	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)

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