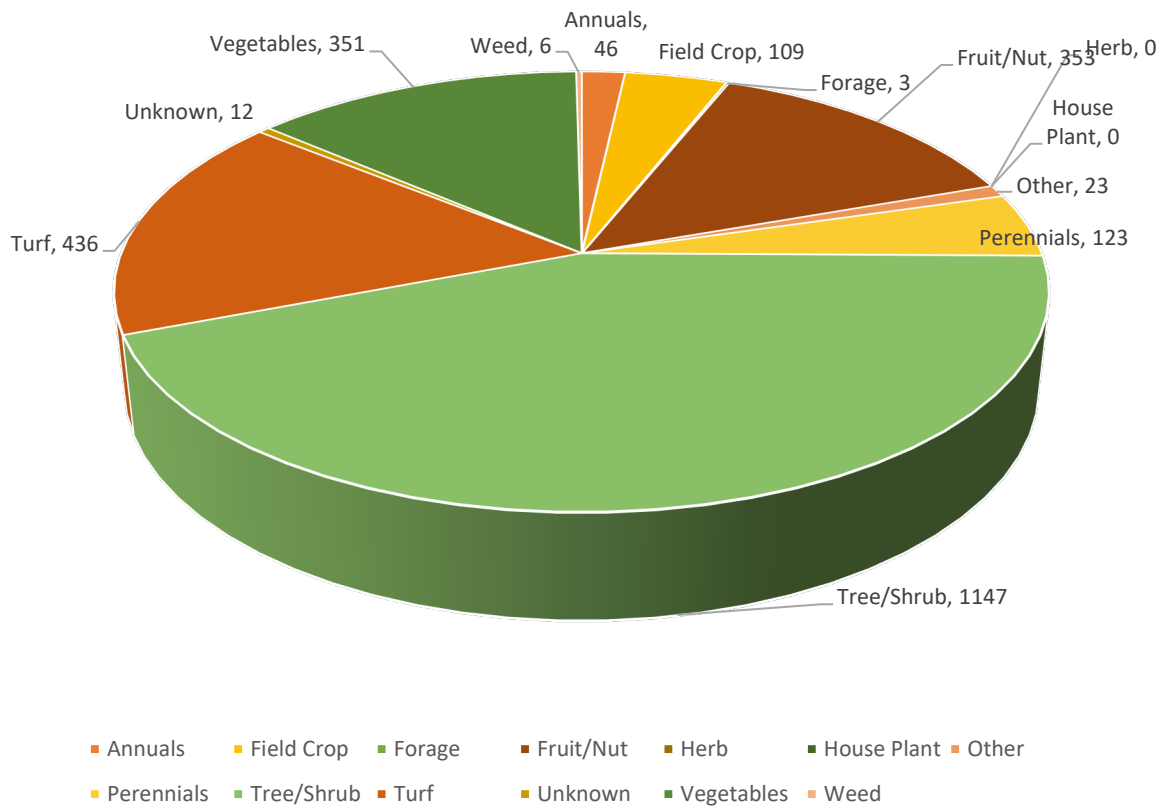


Plant Health Clinic 2015 Summary Report

The Plant Health Clinic received 2609 plant samples in 2015. Horticultural samples continue to follow the trend of recent years by comprising the largest percentage of samples received. The largest category of samples in 2015 was for the category Trees/shrubs (44.0%), followed by Turf (17.0%), Fruit/Nut (14.0%), Vegetables (13.0%), Perennials (5.0%), Field Crops (4.0%), Annuals (2.0%), Other (1.0%). The Other category is comprised of samples, usually of ambiguous material that neither the grower or county agent can categorize.

Plant Health Clinic Samples January 1, 2015-January 1, 2016



Plant Health Samples by Commodity	Number of Samples
Annuals	46
Field Crop	109
Forage	3
Fruit/Nut	353
Herb	0
House Plant	0
Other	23
Perennials	123
Tree/Shrub	1147
Turf	436
Unknown	12
Vegetables	351
Weed	6
Total	2609

District	Plant Health Samples Submitted
Out of State	38
Delta	809
Ouachita	743
Ozark	1019
Total	2609

MonthPlant Health Samples Submitted

January	35
Week 2	13
Week 3	5
Week 4	5
Week 5	12
February	50
Week 6	8
Week 7	20
Week 8	7
Week 9	15
March	68
Week 11	10
Week 12	21
Week 13	30
Week 14	7

April	212
Week 14	25
Week 15	28
Week 16	37
Week 17	37
Week 18	85
May	413
Week 18	5
Week 19	116
Week 20	92
Week 21	121
Week 22	79
June	536
Week 23	152
Week 24	111
Week 25	103
Week 26	120
Week 27	50
July	391
Week 27	10
Week 28	102
Week 29	107
Week 30	91
Week 31	81
August	352
Week 32	66
Week 33	97
Week 34	77
Week 35	87
Week 36	25
September	277
Week 36	53
Week 37	48
Week 38	67
Week 39	56
Week 40	53
October	150
Week 40	15
Week 41	40
Week 42	39
Week 43	37
Week 44	19
November	106
Week 45	35
Week 46	41
Week 47	20

Week 48	5
Week 49	5
December	19
Week 49	1
Week 50	3
Week 51	14
Week 52	1

Plant Health Total 2609

County	Plant Health Samples Submitted	County	Plant Health Samples Submitted
Arkansas	56	Ashley	4
Baxter	95	Benton	102
Boone	73	Bradley	12
Calhoun	1	Carroll	46
Chicot	15	Clark	20
Clay	40	Cleburne	34
Cleveland	3	Columbia	16
Conway	15	Craighead	200
Crawford	51	Crittenden	38
Cross	9	Dallas	3
Desha	3	Drew	23
Faulkner	102	Franklin	28
Garland	183	Grant	6
Greene	6	Hempstead	16
Hot Spring	4	Howard	2
Independence	2	Izard	17
Jackson	29	Jefferson	12
Johnson	7	Lawrence	20
Lee	11	Lincoln	2
Little River	5	Logan	6
Lonoke	99	Marion	18
Miller	16	Mississippi	23
Monroe	2	Montgomery	22
NA	1	Nevada	3
Newton	24	Ouachita	2
Out of State	37	Perry	6
Phillips	25	Pike	5
Poinsett	12	POLK	12
Pope	49	Prairie	14
Pulaski	358	Randolph	1
Saline	41	Searcy	1
Sebastian	74	Sevier	6

County	Plant Health Samples Submitted	County	Plant Health Samples Submitted
Sharp	13	St. Francis	23
Stone	1	Union	1
Van Buren	11	Washington	250
White	117	Woodruff	25
Plant Health Total			2609

2 - Juniper Scale, *Carulaspis juniperi*

Confirmed: 2

4 - Bacterial Leaf Spot, *Xanthomonas campestris campestris*

Confirmed: 4

1 - Black Rot, *Xanthomonas campestris*

Confirmed: 1

8 - Glyphosate Injury, Abiotic disorder

Confirmed: 3

Suspected: 5

1 - Sycamore Lace Bug, *Corythucha ciliata*

Confirmed: 1

2 - Powdery Mildew, *Sphaerotheca pannosa*

Confirmed: 2

6 - Anthracnose, *Colletotrichum orbiculare*

Confirmed: 6

1 - Tent Caterpillar, *Malacosoma* sp./spp.

Confirmed: 1

3 - Helminthosporium Leaf Spot, *Drechslera* sp./spp.

Confirmed: 3

19 - Scale Insects, Order homoptera

Confirmed: 18

Suspected: 1

3 - Anthracnose, *Colletotrichum graminicola*

Confirmed: 3

- 1 - , Calonectria sp./spp.
Confirmed: 1**
- 1 - Gouty Vein Gall Midge, Dasineura communis
Confirmed: 1**
- 5 - Bacterial Leaf Blight, Pseudomonas sp./spp.
Confirmed: 5**
- 1 - Powdery Mildew, Unidentified Fungus
Confirmed: 1**
- 1 - Snow Mold, Typhula sp./spp.
Confirmed: 1**
- 1 - Valsa Canker, Valsa sp./spp.
Suspected: 1**
- 1 - Bacterial Blight, Xanthomonas axonopodis pv. begoniae
Confirmed: 1**
- 1 - Powdery Mildew, Oidium sp./spp.
Confirmed: 1**
- 3 - Greater Peachtree Borer (GPtB), Synanthedon exitisoa
Suspected: 3**
- 2 - Leucostoma Canker, Leucostoma sp./spp.
Confirmed: 2**
- 6 - Apple Scab, Venturia (Spilocaea) inaequalis (pomi)
Confirmed: 6**
- 1 - Yew Leaf; Twig Blight, Dothiora (Sphaerulina)(Sydowia) taxicola
Confirmed: 1**
- 2 - Onion Downy Mildew, Peronospora destructor
Suspected: 2**
- 1 - Wool Sower Gall Wasp, Callirhytis seminator
Confirmed: 1**
- 1 - Raspberry Crown Borer, Pennisetia marginata
Confirmed: 1**

27 - Tomato Bacterial Speck, Pseudomonas tomato

Confirmed: 24

Suspected: 3

1 - Orchid Bacterial Brown Spot, Pseudomonas cattelyae

Confirmed: 1

1 - Planting Too Deep, Abiotic disorder

Suspected: 1

23 - Viruses, Viruses

Not Detected: 20

Suspected: 3

1 - Melting Out, Bipolaris cynodontis

Confirmed: 1

1 - Bacterial Panicle Blight, Burkholderia sp./spp.

Suspected: 1

1 - Tomato Spotted Wilt, Tomato Spotted Wilt Virus (TSWV)

Confirmed: 1

3 - Dogwood Leaf Spot, Septoria cornicola

Confirmed: 3

7 - Pitch Canker, Gibberella (Fusarium) sp./spp.

Confirmed: 5

Suspected: 2

1 - Mealybugs, Family Pseudococcidae

Confirmed: 1

1 - Leaf Spot, Tubakia dryina

Confirmed: 1

1 - Canker; Coral Spot; Blight; Dieback, Nectria cinnabarina

Confirmed: 1

5 - Gray Leaf Spot, Pyricularia grisea

Confirmed: 5

1 - Root Problems, Abiotic disorder

Suspected: 1

5 - Leaf and Flower Gall, Exobasidium vaccinii

Confirmed: 5

3 - Pecan Leaf Phylloxera, Phylloxera notabilis

Confirmed: 3

2 - Poor pollination, Abiotic disorder

Confirmed: 1

Suspected: 1

103 - Pythium Root and/or Crown Rot, Pythium sp./spp.

Confirmed: 99

Suspected: 4

20 - Anthracnose, Discula quercina

Confirmed: 19

Suspected: 1

3 - Dieback; Canker, Seiridium sp./spp.

Confirmed: 3

1 - Spiny Witch-hazel Aphid, Hamamelistes spinosus

Confirmed: 1

9 - Azalea Leaf Spot, Pseudocercospora handelii

Confirmed: 9

1 - Bacterial Blight, Xanthomonas campestris

Confirmed: 1

80 - Insufficient Sample, Identification Analysis

Confirmed: 69

Inconclusive: 11

2 - Armillaria Root Rot; Butt Rot, Armillaria sp./spp.

Suspected: 2

2 - Gouty Oak Gall Wasp, Callirhytis quercus

Confirmed: 2

12 - Maple Anthracnose, Aureobasidium apocryptum

Confirmed: 12

**1 - Sorghum Bacterial Leaf Streak, Xanthomonas campestris pv. holcicola
Suspected: 1**

**1 - Phlox Plant Bug, Lopidea davisi
Confirmed: 1**

**5 - Drought Stress Damage, Abiotic disorder
Suspected: 5**

**2 - Cercospora Leaf Spot, Pseudocercospora salicina
Confirmed: 2**

**1 - Fluoride Toxicity, Abiotic disorder
Suspected: 1**

**2 - Spot Anthracnose, Elsinoe piri
Confirmed: 2**

**1 - Phomopsis Twig Blight, Diaporthe (Phomopsis) eres
Confirmed: 1**

**1 - Alternaria Leaf Spot, Alternaria sp./spp.
Confirmed: 1**

**3 - Cytospora Canker; Dieback, Cytospora sp./spp.
Confirmed: 3**

**1 - Darkwinged Fungus Gnats, Family Sciaridae sp./spp.
Confirmed: 1**

**3 - 2-4-d Injury, Abiotic disorder
Suspected: 3**

**7 - Anthracnose, Elsinoe sp./spp.
Confirmed: 7**

**1 - Clitocybe Root Rot, Armillaria tabescens
Suspected: 1**

**4 - Phomopsis Leaf Spot, Phomopsis sp./spp.
Confirmed: 4**

12 - No Virus Found, No Virus Found

Confirmed: 12

14 - Botrytis Blight, Botrytis sp./spp.

Confirmed: 14

1 - Apple Twig Blight;; Dieback; Canker, Botryosphaeria obtusa

Suspected: 1

1 - Mycosphaerella Leaf Spot, Mycosphaerella sp./spp.

Confirmed: 1

1 - , Pseudocercospora liquidambaricola

Confirmed: 1

2 - Bitter Rot, Colletotrichum sp./spp.

Confirmed: 2

1 - Wood Rot Fungus, Ganoderma sp./spp.

Suspected: 1

1 - Potato Common Scab, Streptomyces scabies

Confirmed: 1

1 - Winter Injury, Abiotic disorder

Suspected: 1

22 - Cercospora Leaf Spot, Cercospora sp./spp.

Confirmed: 22

1 - , Trichothecium sp./spp.

Confirmed: 1

12 - Charcoal Rot, Macrophomina phaseolina

Confirmed: 12

2 - Yellow-bellied Sapsucker, Sphyrapicus varius

Confirmed: 1

Suspected: 1

6 - Whiteflies, Family Aleyrodidae

Confirmed: 6

9 - Septoria Leaf Spot, Septoria lycopersici

Confirmed: 9

1 - , Pestalotia sp./spp.
Suspected: 1

4 - Rhizoctonia Root Rot, Rhizoctonia sp./spp.
Confirmed: 4

1 - Rhizoctonia Damping Off, Rhizoctonia sp./spp.
Confirmed: 1

1 - Buckeye Rot, Phytophthora nicotianae
Confirmed: 1

2 - Soybean Downy Mildew, Peronospora manshurica
Confirmed: 2

34 - Bacterial Leaf Spot, Xanthomonas campestris pruni
Confirmed: 34

6 - Bacterial Leaf Spot, Xanthomonas sp./spp.
Confirmed: 6

4 - Rust; Leaf Rust, Puccinia zoysiae
Confirmed: 4

4 - Brown Spot ; Needle Blight, Mycosphaerella dearnessii
Confirmed: 4

1 - Bacterial Soft Rot, Erwinia sp./spp.
Confirmed: 1

1 - Balling, Abiotic disorder
Confirmed: 1

1 - Needle Blight, Asperisporium juniperinum
Confirmed: 1

5 - Anthracnose; Twig Dieback, Colletotrichum sp./spp.
Confirmed: 5

6 - Woolly Oak Aphid, Stegophylla essigi
Confirmed: 6

76 - No Pathogen Found, Identification Analysis

Confirmed: 50
Inconclusive: 26

1 - Dutch Elm Disease, Ophiostoma ulmi
Confirmed: 1

16 - Bacterial Canker, Pseudomonas syringae syringae
Confirmed: 12
Suspected: 4

13 - Mites, Order Acari
Confirmed: 12
Not Detected: 1

17 - Chemical; Environmental Injury, Abiotic disorder
Confirmed: 1
Suspected: 16

1 - , Erysiphe lagerstroemiae
Confirmed: 1

3 - Soybean Brown Spot, Septoria glycines
Confirmed: 3

3 - Rhizosphaera Needle Cast, Rhizosphaera sp./spp.
Confirmed: 3

1 - Tip Blight, Diplodia sp./spp.
Confirmed: 1

2 - Cytospora Canker, Valsa (Cytospora) kunzei
Confirmed: 2

25 - Oedema; Edema, Abiotic disorder
Confirmed: 23
Suspected: 2

9 - Bacterial Leaf Spot, Pseudomonas syringae
Confirmed: 9

2 - Black Spot, Stegophora (Asteroma) ulmea (ulmeum)
Confirmed: 2

5 - Adventitious Buds, Abiotic disorder

Confirmed: 4
Suspected: 1

1 - Cucurbit Yellow Vine Disease, Serratia marcescens
Confirmed: 1

1 - Sunflower Leaf Blight; Stem Spot, Alternaria helianthi
Confirmed: 1

1 - Azalea Leaf Scorch, Septoria azalea
Confirmed: 1

1 - Vein Pocket Gallmaker, Macrodidiplosis (Cecidomyia) erubescens
Confirmed: 1

1 - Azalea Anthracnose, Colletotrichum azaleae
Confirmed: 1

1 - Dead Man's Fingers, Xylaria polymorpha
Confirmed: 1

3 - Powdery Mildew, Podosphaera (Sphaerotheca) macularis
Confirmed: 3

1 - , Botrytis sp./spp.
Confirmed: 1

1 - Phytophthora Canker, Phytophthora nicotianae
Confirmed: 1

1 - Strawberry Black Spot Fruit Rot, Colletotrichum fragariae
Confirmed: 1

2 - Twig Blight, Monilinia azaleae
Confirmed: 2

11 - Freeze; Frost; Cold Damage, Abiotic disorder
Suspected: 11

1 - Physarum Slime Mold, Physarum sp./spp.
Confirmed: 1

2 - , Phyllosticta sp./spp.
Confirmed: 2

- 4 - Dieback; Canker; Twig Blight, Botryosphaeria sp./spp.**
Confirmed: 3
Suspected: 1
- 1 - Bacterial Mosaic, Clavibacter michiganensis tessellarius**
Confirmed: 1
- 1 - Wire Stem; Belly Rot, Thanatephorus (Rhizoctonia) cucumeris (solani)**
Confirmed: 1
- 15 - Canker, Hypoxylon sp./spp.**
Confirmed: 3
Not Detected: 1
Suspected: 11
- 2 - Bacterial Gall, Pseudomonas syringae savastanoi**
Confirmed: 2
- 1 - Oak Lace Bug, Corythucha arcuata**
Confirmed: 1
- 3 - Leaf Spot; Shothole, Blumeriella sp./spp.**
Confirmed: 3
- 24 - Natural Senescence, Abiotic disorder**
Confirmed: 8
Suspected: 16
- 1 - Bacteria Identification, Pantoea dispersa**
Confirmed: 1
- 1 - Leaf Blight; Stem Blight; Stem Canker, Phoma exigua, Phoma exigua**
exigua
Confirmed: 1
- 1 - Transplant Shock; Stress, Abiotic disorder**
Suspected: 1
- 2 - Crown Gall, Agrobacterium tumefaciens**
Confirmed: 2
- 3 - High Ph Damage, Abiotic disorder**
Suspected: 3

- 1 - , Pseudocercospora sp./spp.**
Confirmed: 1
- 23 - Cypress Canker, Seiridium cardinale**
Confirmed: 22
Suspected: 1
- 1 - Cedar-Quince Rust, Gymnosporangium clavipes**
Confirmed: 1
- 1 - Algae, General**
Confirmed: 1
- 4 - , Phyllosticta (Guignardia) ampellicida (bidwellii)**
Confirmed: 3
Suspected: 1
- 3 - Grape Downy Mildew, Plasmopara viticola**
Confirmed: 3
- 2 - Early Blight; Leaf Spot, Alternaria solani**
Confirmed: 2
- 2 - Sugarcane Aphid, Melanaphis sacchari**
Confirmed: 1
Suspected: 1
- 1 - Stem Lesion and Leaf Spot, Cercospora sp./spp.**
Confirmed: 1
- 4 - Flea Beetles, Subfamily Alticinae**
Confirmed: 3
Suspected: 1
- 1 - Dieback; Canker, Diplodia sp./spp.**
Confirmed: 1
- 23 - Pestalotia Dieback, Pestalotia sp./spp.**
Confirmed: 23
- 26 - Crown and Root Rot, Phytophthora sp./spp.**
Confirmed: 16
Not Detected: 1

Suspected: 9

150 - Large Patch, Thanatephorus (Rhizoctonia) cucumeris (solani)

Confirmed: 149

Suspected: 1

2 - Bacterial Leaf Spot, Xanthomonas campestris pv. poinsetticola

Confirmed: 2

1 - Thrips, Thrips sp./spp.

Confirmed: 1

2 - Twig and Branch Canker, Steganosporium sp./spp.

Confirmed: 2

1 - Hickory Leaf Stem Gall Aphid, Phylloxera caryaecaulis

Confirmed: 1

1 - Glomerella Leaf Spot, Glomerella sp./spp.

Confirmed: 1

2 - Mushroom, Unidentified Fungus

Confirmed: 2

1 - Salt Damage, Abiotic disorder

Inconclusive: 1

3 - Anthracnose; Leaf Spot, Colletotrichum trichellum

Confirmed: 3

1 - , Tobacco Ringspot Virus (TRSV)

Confirmed: 1

15 - Brown Patch, Rhizoctonia sp./spp.

Confirmed: 15

1 - Uredo rust, uredo

Confirmed: 1

1 - Fusicoccum Canker, Fusicoccum elaeagni

Confirmed: 1

2 - Willow Black Canker, Colletotrichum salicis

Confirmed: 1

Suspected: 1

2 - Soybean Stem Canker, *Diaporthe phaseolorum*

Confirmed: 1

Not Detected: 1

20 - Spider Mites, Family Tetranychidae

Confirmed: 19

Suspected: 1

18 - Take-all, *Gaeumannomyces sp./spp.*

Confirmed: 18

4 - Euonymus Scale, *Unaspis euonymi*

Confirmed: 4

1 - Oak Twig Pruner, *Anelaphus parallelus*

Suspected: 1

1 - Bostrichid Beetle, *Xylobiops basilaris*

Confirmed: 1

1 - Flathead; Metallic Wood Borers, Family Buprestidae

Confirmed: 1

2 - Arborvitae Leaf Blight, *Didymascella thujina*

Confirmed: 2

2 - Leaf Spot, *Tubakia sp./spp.*

Confirmed: 2

4 - Bean Brown Spot Blight, *Pseudomonas syringae*

Confirmed: 3

Suspected: 1

2 - Baldcypress Rust Mite, *Epitrimerus taxodii*

Confirmed: 2

1 - Viburnum Bacterial Blight, *Pseudomonas syringae* pv. *viburnii*

Confirmed: 1

12 - Aphids (Plant Lice), Family Aphididae

Confirmed: 12

- 7 - Sirococcus Needle Blight, Sirococcus sp./spp.
Confirmed: 7**
- 2 - , Pythium sp./spp.
Confirmed: 2**
- 1 - Canker; Dieback; Leaf Blight, Fusicoccum sp./spp.
Confirmed: 1**
- 6 - , Cercospora hydrangeae
Confirmed: 6**
- 2 - Clematis Wilt; Leaf Spot, Phoma clematidina
Confirmed: 2**
- 1 - Leaf Spot; Blight, Myrothecium sp./spp.
Confirmed: 1**
- 1 - Slugs, Mollusca; Gastropoda
Suspected: 1**
- 1 - Bacterial Wilt; Canker; Rot, Clavibacter sp./spp.
Confirmed: 1**
- 2 - Bacterial Blight, Xanthomonas sp./spp.
Confirmed: 2**
- 1 - Copper Toxicity, Abiotic disorder
Suspected: 1**
- 1 - Soybean Phytophthora Root and Stem Rot, Phytophthora sojae
Confirmed: 1**
- 5 - Leaf Spot, Pestalotiopsis (Pestalotia) sp./spp.
Confirmed: 5**
- 1 - Blackberry Virus E, Alphaflexiviridae Allexivirus
Confirmed: 1**
- 1 - Rhizoctonia Stem Rot, Rhizoctonia sp./spp.
Confirmed: 1**
- 2 - Mimosa Wilt, Fusarium oxysporum perniciosum
Suspected: 2**

- 1 - Anthracnose, Colletotrichum dematium**
Confirmed: 1

- 22 - Rose Rosette Disease, Rose rosette-associated virus (RRaV)**
Confirmed: 18
Not Detected: 2
Suspected: 2

- 5 - Nutritional Deficiency, Abiotic disorder**
Suspected: 5

- 5 - Hypoxylon Canker, Entoleuca (Hypoxylon) mammata (blakei)**
Confirmed: 1
Suspected: 4

- 1 - Cicada Egg-laying Injury, Unidentified Cicada**
Confirmed: 1

- 1 - Armyworms; General, Family Noctuidae**
Confirmed: 1

- 5 - Spot Anthracnose, Elsinoe corni**
Confirmed: 5

- 1 - Hawthorn Lace Bug, Corythucha cydoniae**
Confirmed: 1

- 3 - Pear Scab, Venturia (Fusicladium) pirina (pyrorum)**
Confirmed: 3

- 1 - Ripe Rot, Colletotrichum phomoides**
Confirmed: 1

- 1 - Bacterial Stalk and Top Rot, Erwinia carotovora carotovora**
Confirmed: 1

- 4 - Mallow Rust; Hollyhock Rust, Puccinia malvacearum**
Confirmed: 4

- 2 - Crown Rot, Rhizoctonia sp./spp.**
Confirmed: 2

- 5 - Rust, Gymnosporangium sp./spp.**

Confirmed: 5

3 - Oak Leaf Blister, *Taphrina caerulescens*

Confirmed: 3

6 - Tobacco Ringspot, Tobacco Ringspot Virus (TRSV)

Confirmed: 6

1 - Pythium Fruit Rot; Cottony Leak, *Pythium* sp./spp.

Confirmed: 1

1 - Pestalotiopsis Needle Blight; Tip Blight, *Pestalotiopsis* sp./spp.

Confirmed: 1

1 - Holly Pit Scale, *Asterolecanium puteanum*

Confirmed: 1

3 - Dollar Spot, *Sclerotinia homeocarpa*

Confirmed: 3

4 - Southern Blight, *Sclerotium rolfsii*

Confirmed: 4

1 - Boron Deficiency, Abiotic disorder

Suspected: 1

12 - Phomopsis Tip Blight; Needle Blight, *Phomopsis juniperovora*

Confirmed: 9

Suspected: 3

1 - Normal Plant Growth, Identification Analysis

Confirmed: 1

1 - Coryneum Blight (Shot Hole), *Wilsonomyces (Stigmina) carpophilus* (*carpophila*)

Confirmed: 1

1 - Hemlock Leaf Blight, *Fabrella tsugae*

Confirmed: 1

8 - Scorch, Abiotic disorder

Confirmed: 3

Suspected: 5

1 - , Potato Virus Y (PVY)
Confirmed: 1

1 - Leaf Spot, Seimatosporium sp./spp.
Confirmed: 1

2 - Sweetpotato Soilrot, Streptomyces ipomoeae
Confirmed: 2

4 - Canker, Unidentified fungus
Confirmed: 1
Suspected: 3

1 - Phoma Blight; Dieback; Rot, Phoma sp./spp.
Confirmed: 1

2 - Walnut (Bacterial) Blight, Xanthomonas campestris pv. juglandis
Confirmed: 1
Suspected: 1

1 - Bagworm Moths, Family Psychidae
Confirmed: 1

10 - Pythium Damping Off, Pythium sp./spp.
Confirmed: 10

1 - Hickory Leaf Stem Gallmakers, Phylloxera sp./spp.
Confirmed: 1

1 - Tar Spot, Phyllachora sp./spp.
Confirmed: 1

3 - Azalea Lace Bug, Stephanitis pyrioides
Confirmed: 3

4 - Phytotoxicity, Abiotic disorder
Suspected: 4

1 - , Cercospora sp./spp.
Confirmed: 1

9 - Black Spot (Rose), Diplocarpon (Marssonina) rosae
Confirmed: 9

- 1 - Oak Skeletonizer, *Carcina quercana*
Confirmed: 1**
- 1 - Bark Splitting, Abiotic disorder
Suspected: 1**
- 1 - Oak Lecanium, *Parthenolecanium quercifex*
Confirmed: 1**
- 1 - Potyvirus Group, Potyvirus Group
Confirmed: 1**
- 1 - Leaf Spot, *Pseudocercospora* sp./spp.
Confirmed: 1**
- 1 - Corn; Sorghum Bacterial Stripe, *Burkholderia andropogonis*
Suspected: 1**
- 1 - Soybean Bacterial Pustule, *Xanthomonas campestris* pv. *glycines*
Confirmed: 1**
- 6 - Rose Brown Canker, *Cryptosporella umbrina*
Confirmed: 6**
- 1 - Sorghum Fusarium Head Blight, *Fusarium fujikuroi*
Confirmed: 1**
- 4 - Dogwood Anthracnose, *Discula destructiva*
Confirmed: 4**
- 2 - Ripe Rot, *Colletotrichum* sp./spp.
Confirmed: 2**
- 1 - Oxygen Deficiency, Abiotic disorder
Suspected: 1**
- 1 - Fertilizer Injury, Abiotic disorder
Suspected: 1**
- 2 - Mulberry Leaf Spot, *Cercospora mori*
Confirmed: 2**
- 1 - Grape Leafhopper, *Cuerna lateralis*
Confirmed: 1**

1 - , Oberea myops
Confirmed: 1

18 - Helminthosporium Leaf Spot, Bipolaris cynodontis
Confirmed: 17
Suspected: 1

4 - , Identification Analysis
Suspected: 4

2 - Neocosmospora Root or Fruit Rot, Neocosmospora vasinfecta
Confirmed: 2

3 - Nutritional Pathology, Abiotic disorder
Suspected: 3

1 - cladoptosis, abiotic
Confirmed: 1

1 - Rust, Coleosporium sp./spp.
Confirmed: 1

6 - Roseslug, Endelomyia sp./spp.
Confirmed: 6

1 - Canker, Pyrenochaeta sp./spp.
Confirmed: 1

1 - Plant Bug, Lopidea sp./spp.
Confirmed: 1

1 - Manganese Toxicity, Abiotic disorder
Suspected: 1

4 - Dothistroma Needle Blight, Dothistroma sp./spp.
Confirmed: 4

2 - Helminthosporium Root Rot, Helminthosporium sp./spp.
Confirmed: 2

1 - Ribes Anthracnose, Drepanopeziza (Pseudopeziza) ribis
Confirmed: 1

9 - Oak Twig Canker and Dieback, Botryosphaeria quercuum
Confirmed: 7
Suspected: 2

1 - , Ganoderma sp./spp.
Suspected: 1

5 - Oak Vein Pocket Gallmaker, Macrodiplosis quercusoruca
Confirmed: 5

1 - Redbud Leafroller, Fascista cercerisella
Confirmed: 1

2 - Anthracnose Fruit Rot, Colletotrichum sp./spp.
Confirmed: 2

3 - , Pseudocercospora salicina
Confirmed: 3

2 - , Viruses
Not Detected: 2

1 - , Elsinoe corni
Confirmed: 1

3 - Southern Corn Rust, Puccinia polysora
Confirmed: 3

1 - Black Root Rot, Thielaviopsis (Chalara) basicola (elegans)
Confirmed: 1

2 - Stalk Borer, Papaipema nebris
Confirmed: 2

16 - Phyllosticta Leaf Spot, Phyllosticta sp./spp.
Confirmed: 16

1 - Bacterial Canker, Mixed bacterial species
Confirmed: 1

1 - Pine Beetles, Family Scolytidae
Confirmed: 1

1 - , Tomato Golden Mosaic Virus (TGMV)

Suspected: 1

1 - Cylindrocladium Blight, Calonectria sp./spp.

Confirmed: 1

1 - Cylindrocarpon Crown Rot, Neonectria sp./spp.

Suspected: 1

1 - , Unidentified Caterpillar

Confirmed: 1

3 - Black Root Rot, Thielaviopsis basicola

Confirmed: 3

36 - Root Rot, Unidentified Agent

Suspected: 36

1 - Groundpearls, Margarodes sp./spp.

Confirmed: 1

1 - Maple Tar Spot, Rhytisma acerinum

Confirmed: 1

12 - Cucurbit Downy Mildew, Pseudoperonospora cubensis

Confirmed: 11

Suspected: 1

1 - Leaf Beetle, Phaedon desotonis

Confirmed: 1

2 - Late Blight, Phytophthora infestans

Confirmed: 2

1 - Leaf Blight and Spot; Shothole, Blumeriella jaapii

Confirmed: 1

1 - Chinese Mantid, Tenodera aridifolia

Confirmed: 1

1 - Pecan Nut Casebearer, Acrobasis nuxvorella

Confirmed: 1

1 - Sunlight-induced Pathology, Abiotic disorder

Suspected: 1

3 - Rhizoctonia Crown and Root Rot, Thanatephorus (Rhizoctonia) cucumeris (solani)

Confirmed: 3

1 - Shothole, Thyrostroma (Wilsonomyces) sp./spp.

Confirmed: 1

4 - Powdery Mildew, Erysiphe sp./spp.

Confirmed: 4

1 - Aster Yellows Phytoplasma, Candidatus Phytoplasma asteris

Confirmed: 1

1 - Sooty Blotch Flyspeck Complex, Various Fungi

Confirmed: 1

50 - Take All, Gaeumannomyces graminis var. avenae

Confirmed: 49

Suspected: 1

5 - Pecan Leaf Scorch Mite, Eotetranychus hicoriae

Confirmed: 5

1 - Nitrogen Deficiency, Abiotic disorder

Suspected: 1

1 - Ash Anthracnose, Plagiostoma fraxinii

Confirmed: 1

1 - , Phomopsis juniperovora

Confirmed: 1

9 - Soybean Sudden Death Syndrome, Fusarium virguliforme

Confirmed: 6

Suspected: 3

14 - Insect Damage, Unidentified Insect

Confirmed: 12

Suspected: 2

8 - Adequate Sample, Identification Analysis

Confirmed: 7

Suspected: 1

- 1 - Fern Scale, Pinnaspis aspidistrae**
Confirmed: 1
- 2 - Cypress Twig Gall Midge, Taxodiomyia cupressiananassa**
Confirmed: 2
- 7 - Arborvitae Needle Blight, Phyllosticta thujae**
Confirmed: 6
Suspected: 1
- 3 - Purple Seed-stain; Leaf Blight, Cercospora kikuchii**
Confirmed: 3
- 1 - Rust, Unidentified Fungus**
Confirmed: 1
- 1 - Sooty Mold, Capnodium sp./spp.**
Confirmed: 1
- 1 - Millipedes, Arthropoda; Diplopoda**
Confirmed: 1
- 2 - Woolly Apple Aphid, Eriosoma lanigerum**
Confirmed: 1
Suspected: 1
- 15 - Cucumber Mosaic, Cucumber Mosaic Virus (CMV)**
Confirmed: 15
- 1 - Periodical Cicada, Magicicada septendecim**
Confirmed: 1
- 1 - Boxwood Leafminer, Monarthropalpus flavus (buxi)**
Confirmed: 1
- 23 - Pecan; Hickory Scab, Fusicladium caryigenum**
Confirmed: 23
- 2 - Scab, Cladosporium sp./spp.**
Confirmed: 2
- 3 - Australasian Soybean Rust, Phakopsora pachyrhizi**
Confirmed: 1

Not Detected: 2

3 - Crapemyrtle Scale, *Eriococcus lagerstroemiae*

Confirmed: 3

13 - Bacterial Blight, *Pseudomonas syringae syringae*

Confirmed: 13

2 - Ladybird Beetles, Family *Coccinellidae*

Confirmed: 2

3 - Littleleaf Disease, *Phytophthora cinnamomi*

Suspected: 3

3 - Rose Downy Mildew, *Peronospora sparsa*

Confirmed: 2

Suspected: 1

1 - Anthracnose Basal Rot; Crown Rot, *Colletotrichum* sp./spp.

Confirmed: 1

1 - Flatheaded Appletree Borer, *Chrysobothris femorata*

Confirmed: 1

3 - Low Ph; Nutrient Imbalance, Abiotic disorder

Suspected: 3

2 - Prunus Necrotic Ringspot, Prunus Necrotic Ringspot Virus (PNRSV)

Suspected: 2

1 - White Drupelet Disorder, Abiotic Disorder

Confirmed: 1

3 - Gummy Stem Blight, *Didymella* sp./spp.

Confirmed: 3

1 - Anthracnose, *Gloeosporium* sp./spp.

Confirmed: 1

6 - Jumping Oak Gall Wasp, *Neuroterus saltatorius*

Confirmed: 6

5 - Brown Rot, *Monilia* sp./spp.

Confirmed: 5

- 6 - Clearwing Borers, Family Sesiidae**
Confirmed: 2
Suspected: 4
- 3 - Anthracnose, Colletotrichum fragariae**
Confirmed: 2
Suspected: 1
- 2 - Eriophyid Mites, Family Eriophyidae**
Confirmed: 2
- 1 - Canker, Monochaetia sp./spp.**
Confirmed: 1
- 1 - Rust Mites, Order acari**
Confirmed: 1
- 1 - Cercospora Needle Blight, Cercospora sp./spp.**
Confirmed: 1
- 1 - Anthracnose Leaf Blight, Colletotrichum graminicola**
Confirmed: 1
- 1 - , Phomopsis sp./spp.**
Confirmed: 1
- 2 - Bagworm, Thyridopteryx ephemeraeformis**
Confirmed: 2
- 5 - Environmental Stress; Problem, Abiotic disorder**
Suspected: 5
- 26 - Excessive Water, Abiotic disorder**
Confirmed: 1
Suspected: 25
- 10 - Septoria Leaf Blight, Septoria lycopersici**
Confirmed: 7
Suspected: 3
- 12 - Boxwood Volutella Blight; Canker, Volutella buxi**
Confirmed: 10
Suspected: 2

- 1 - Blossom End Rot, Abiotic disorder**
Confirmed: 1

- 3 - Oak Powdery Mildew, Erysiphe (Oidium) alphitoides**
Confirmed: 3

- 2 - , Phomopsis obscurans**
Confirmed: 2

- 12 - Cedar-apple Rust, Gymnosporangium juniperi-virginianae**
Confirmed: 11
Suspected: 1

- 5 - Magnesium Deficiency, Abiotic disorder**
Suspected: 5

- 1 - Dense Thatch Layer, Abiotic disorder**
Confirmed: 1

- 2 - Alternaria Leaf Blight, Alternaria sp./spp.**
Confirmed: 2

- 1 - Bacterial Marginal Leaf Blight, Pseudomonas marginalis pv. marginalis**
Confirmed: 1

- 14 - Bacterial Canker, Clavibacter michiganensis michiganensis**
Confirmed: 13
Suspected: 1

- 2 - Buckeye Rot, Phytophthora sp./spp.**
Confirmed: 1
Suspected: 1

- 11 - Cucurbit Angular Leaf Spot, Pseudomonas syringae pv. lachrymans**
Confirmed: 10
Suspected: 1

- 3 - Damping-off, Phytophthora sp./spp.**
Confirmed: 3

- 3 - Host-Site Mis-match, Abiotic disorder**
Confirmed: 2
Suspected: 1

- 1 - Cultural/Environmental Problem, Abiotic disorder**
Suspected: 1
- 1 - , Podosphaera (Sphaerotheca) macularis**
Confirmed: 1
- 1 - Bacterial Brown Spot, Pseudomonas syringae PV. syringae**
Confirmed: 1
- 2 - Soybean Anthracnose, Colletotrichum destructivum**
Confirmed: 2
- 16 - Bacterial Leaf Spot, Pseudomonas sp./spp.**
Confirmed: 16
- 2 - Cercospora Blight, Passalora sequoiae**
Confirmed: 2
- 7 - Dogwood Borer (Dwb), Synanthedon scitula**
Confirmed: 2
Suspected: 5
- 5 - Anthracnose; Colletotrichum Leaf Spot, Colletotrichum sp./spp.**
Confirmed: 5
- 1 - Grape Phylloxera, Daktulosphaira vitifoliae**
Confirmed: 1
- 5 - Oriental Fruit Moth (Ofm), Grapholita molesta**
Confirmed: 3
Suspected: 2
- 12 - Phytophthora Stem Rot, Phytophthora nicotianae var. parasitica**
Confirmed: 12
- 1 - Spot Anthracnose, Elsinoe (ana. Sphaceloma) rosarum**
Confirmed: 1
- 3 - Lichens, Lichenes**
Confirmed: 3
- 1 - Diplodia Tip Blight; Canker, Sphaeropsis (Diplodia) sapinea (pineae)**
Confirmed: 1

16 - Herbicide Drift, Abiotic disorder
Suspected: 16

1 - Leafhoppers, Family Cicadellidae
Confirmed: 1

1 - Hackberry Buttongall Maker, Pachypsylla umbilicus
Confirmed: 1

1 - Additional Sample Requested, Identification Analysis
Suspected: 1

15 - Sunscald, Abiotic disorder
Confirmed: 1
Suspected: 14

1 - Solitary Oak Leafminer, Cameraria hamadryadella
Suspected: 1

1 - Artillery Fungus, Sphaerobolus stellatus
Confirmed: 1

1 - Black Knot, Apiosporina morbosa
Confirmed: 1

4 - Stink Bugs, Family Pentatomidae
Confirmed: 4

1 - Soybean Bacterial Blight, Pseudomonas syringae pv. glycinea
Confirmed: 1

1 - Crown Gall, Agrobacterium vitis
Confirmed: 1

2 - Flyspeck, Schizothyrium (ana. Zygothiala) pomi (jamaicensis)
Confirmed: 2

1 - Dieback/ Stem Rot, Sclerotinia sclerotiorum
Suspected: 1

76 - Crown Rot; Root Rot; Stem Rot, Phytophthora sp./spp.
Confirmed: 52
Suspected: 24

3 - Grape Anthracnose; Birds-eye Rot, Elsinoe (Sphaceloma) ampelina (ampelinum)

Confirmed: 2

Suspected: 1

3 - Oak Spider Mite, Oligonychus bicolor

Confirmed: 3

1 - Anthracnose, Glomerella sp./spp.

Confirmed: 1

2 - Soybean Cyst Nematode (Scn), Heterodera glycines

Confirmed: 2

1 - Cucurbit Gummy Stem Blight, Didymella (Ascochyta) bryoniae (cucumis)

Confirmed: 1

3 - Watermelon Mosaic, Watermelon Mosaic Virus (WMV)

Confirmed: 3

1 - Lettuce; Cucurbits Soft Rot, Pseudomonas marginalis

Confirmed: 1

2 - Alternaria Blotch (Apple), Alternaria mali

Confirmed: 2

2 - Plum Curculio, Conotrachelus nenuphar

Confirmed: 1

Suspected: 1

5 - Phomopsis Canker and Twig Blight, Diaporthe (Phomopsis) vaccinii

Confirmed: 5

2 - Kabatina Twig Blight, Kabatina thujae

Confirmed: 2

11 - Entomosporium Leaf Spot, Entomosporium sp./spp.

Confirmed: 11

2 - Ivy Bacterial Leaf Spot, Xanthomonas campestris pv. hederae

Confirmed: 2

4 - Boxwood Macrophoma Leaf Spot, Dothiorella (Macrophoma) sempervirens (candollei)

Confirmed: 4

9 - Cucurbit Bacterial Wilt, Erwinia tracheiphila

Confirmed: 7

Suspected: 2

4 - Leaf Spot, Passalora rosicola

Confirmed: 4

1 - Septoria Leaf Blight, Septoria sp./spp.

Confirmed: 1

2 - White Grubs (Scarab Beetles), Family Scarabaeidae

Confirmed: 1

Suspected: 1

3 - Squash Vine Borer, Melittia cucurbitae

Confirmed: 3

1 - Asparagus Beetle, Crioceris asparagi

Confirmed: 1

4 - Crown Rot, Botrytis sp./spp.

Confirmed: 4

23 - Pythium Blight; Cottony Blight, Pythium sp./spp.

Confirmed: 23

2 - Phosphorus Deficiency, Abiotic disorder

Confirmed: 1

Suspected: 1

9 - Bacterial Canker, Pseudomonas syringae

Confirmed: 5

Suspected: 4

1 - Plum Pockets, Taphrina communis

Confirmed: 1

2 - Sorghum Gray Leaf Spot, Cercospora sorghi

Confirmed: 2

**9 - Tomato; Pepper Bacterial Spot, Xanthomonas campestris pv. vesicatoria
Confirmed: 9**

**1 - Constriction Canker, Diaporthe amygdali
Confirmed: 1**

**2 - Anthracnose, Colletotrichum gloeosporioides
Confirmed: 2**

**1 - Azalea Flower Blight, Ovulinia azaleae
Confirmed: 1**

**1 - Poor Growing Conditions, Abiotic disorder
Suspected: 1**

**1 - Squash Bug, Anasa tristis
Confirmed: 1**

**8 - Curvularia Blight; Leaf Spot, Curvularia sp./spp.
Confirmed: 8**

**5 - Canker; Stem Blight; Dieback, Botryosphaeria dothidea
Confirmed: 5**

**5 - Bacterial Wetwood; Slime Flux, Various Pathogens
Confirmed: 3
Suspected: 2**

**13 - Phomopsis Dieback; Tip Blight; Canker, Phomopsis sp./spp.
Confirmed: 13**

**1 - Bark Beetle, Scolytus sp./spp.
Suspected: 1**

**1 - , Grapevine Corky Bark Virus
Suspected: 1**

**38 - , Abiotic disorder
Confirmed: 5
Inconclusive: 1
Suspected: 32**

**10 - Dogwood Powdery Mildew, Erysiphe pulchra
Confirmed: 10**

- 3 - Maple Leaf Spot, *Phyllosticta minima***
Confirmed: 2
Suspected: 1
- 1 - Powdery Mildew, *Sphaerotheca sp./spp.***
Confirmed: 1
- 10 - Chemical Injury, Abiotic disorder**
Suspected: 10
- 1 - Purple Camellia Mite, *Calacarus carinatus***
Confirmed: 1
- 1 - Rhopalid Bug, *Niesthrea louisianica***
Confirmed: 1
- 66 - Spring Dead Spot, *Ophiosphaerella sp./spp.***
Confirmed: 66
- 4 - Indianmeal Moth (Imm), *Plodia interpunctella***
Confirmed: 4
- 1 - Sharp Eyespot, *Thanatephorus (Rhizoctonia) cucumeris (solani)***
Confirmed: 1
- 1 - Scrambled-egg Slime Mold, *Fuligo septica***
Suspected: 1
- 1 - Kabatina Tip Blight; Needle Blight, *Kabatina juniperi***
Confirmed: 1
- 1 - Cicadas, Family Cicadidae**
Confirmed: 1
- 7 - Soybean Frogeye Leaf Spot, *Cercospora sojina***
Confirmed: 7
- 1 - Crown Rot, *Erwinia chrysanthemi***
Confirmed: 1
- 1 - Oak Wilt, *Ceratocystis fagacearum***
Suspected: 1

- 2 - Mummy Berry, *Monilinia vaccinii-corymbosi***
Confirmed: 2
- 1 - Bacterial Spot, *Xanthomonas cucurbitae* (campestris) (pv. cucurbitae)**
Confirmed: 1
- 1 - Oak Skeletonizer, *Bucculatrix ainsliella***
Confirmed: 1
- 36 - Fire Blight, *Erwinia amylovora***
Confirmed: 32
Not Detected: 3
Suspected: 1
- 1 - Anthracnose Fruit Rot, *Colletotrichum acutatum***
Confirmed: 1
- 1 - Lophodermium Leaf Spot; Needle Cast, *Lophodermium* sp./spp.**
Confirmed: 1
- 1 - Pecan Phylloxera, *Phylloxera devastatrix***
Confirmed: 1
- 1 - Insufficient Rootball, Abiotic disorder**
Confirmed: 1
- 1 - Cercospora Leaf Spot, *Cercospora citrullina***
Confirmed: 1
- 28 - Verticillium Wilt, *Verticillium* sp./spp.**
Confirmed: 15
Not Detected: 1
Suspected: 12
- 2 - Crapemyrtle Aphid, *Sarucallis* (*Tinocallis*) *kahawaluokalani***
Confirmed: 2
- 2 - Broad Mite, *Polyphagotarsonemus latus***
Confirmed: 2
- 1 - Southern Stem Rot, *Sclerotium rolfsii***
Confirmed: 1
- 2 - Anthracnose; Black Spot, *Stegophora* (*Gnomonia*) *ulmea***

Confirmed: 2

1 - Oak Twig Blight, *Coryneum kunzei*

Confirmed: 1

1 - , Arabis Mosaic Virus (ARMV)

Confirmed: 1

1 - Hail Damage, Abiotic disorder

Suspected: 1

1 - Fall Armyworm (Faw), *Spodoptera frugiperda*

Suspected: 1

1 - Raspberry Cane Borer, *Oberea bimaculata*

Confirmed: 1

5 - , Plum Pox Virus (PPV)

Not Detected: 5

3 - White Mold (Stem Rot), *Sclerotinia sclerotiorum*

Confirmed: 3

1 - Powdery Mildew, *Microsphaera* sp./spp.

Confirmed: 1

2 - Wax Scale, *Ceroplastes* sp./spp.

Confirmed: 2

1 - Nostoc, *Nostoc* sp./spp.

Confirmed: 1

1 - Sooty Canker; Branch Wilt, *Neoscytalidium hyalinum*

Confirmed: 1

1 - Gouty Oak Gallmaker, *Callirhytis punctata*

Confirmed: 1

1 - Hickory Shuckworm (Hsw), *Cydia caryana*

Confirmed: 1

1 - Rust, *Puccinia cynodontis*

Confirmed: 1

**2 - Spur Blight, *Didymella (Phoma) applanata (rubicola)*
Confirmed: 2**

**10 - Root-knot Nematodes, *Meloidogyne sp./spp.*
Confirmed: 10**

**2 - Blackberry Yellow Vein-Associated, *Crinivirus Blackberry Yellow Vein-Associated Virus*
Confirmed: 2**

**3 - Bacterial Leaf Spot, *Xanthomonas campestris pv. maculifoliigard*
Confirmed: 3**

**5 - Fusarium Wilt Complex, *Fusarium sp./spp.*
Confirmed: 5**

**2 - Phymatotrichum Root Rot, *Phymatotrichopsis (Phymatotrichum) omnivora (omnivorum)*
Suspected: 2**

**1 - Tar Spot, *Phacidium sp./spp.*
Confirmed: 1**

**2 - , *Septoria cornicola*
Confirmed: 1
Suspected: 1**

**1 - Straighthead In Rice, Unidentified Agent
Suspected: 1**

**6 - Peach Leaf Curl, *Taphrina deformans*
Confirmed: 6**

**3 - Sycamore Anthracnose, *Apiognomonia veneta*
Confirmed: 2
Suspected: 1**

**1 - , Family Eriophyidae
Confirmed: 1**

**2 - Bacterial Leaf Scorch, *Xylella fastidiosa*
Confirmed: 1
Suspected: 1**

1 - Leaf Skeletonizers, Family Zygaenidae
Confirmed: 1

2 - Fabraea Leaf and Fruit Spot, Diplocarpon mespili
Confirmed: 2

1 - Iris Leaf Spot, Mycosphaerella (ana Heterosporium) macrospora (gracile)
Confirmed: 1

2 - Armillaria Root Rot, Armillaria sp./spp.
Confirmed: 2

1 - Bacterial Leaf Streak, Xanthomonas sp./spp.
Confirmed: 1

2 - Corn Bacterial Stalk Rot, Erwinia (Pectobacterium) chrysanthemi and dissolvens
Confirmed: 2

1 - Pine Sawflies, Family Diprionidae
Confirmed: 1

2 - Botrytis Fruit Rot, Botrytis sp./spp.
Confirmed: 2

81 - Herbicide Injury; Exposure, Abiotic disorder
Confirmed: 8
Not Detected: 2
Suspected: 71

1 - False Spider Mite, Pentamerismus erythreus
Confirmed: 1

3 - Septoria Leaf Spot, Septoria sp./spp.
Confirmed: 3