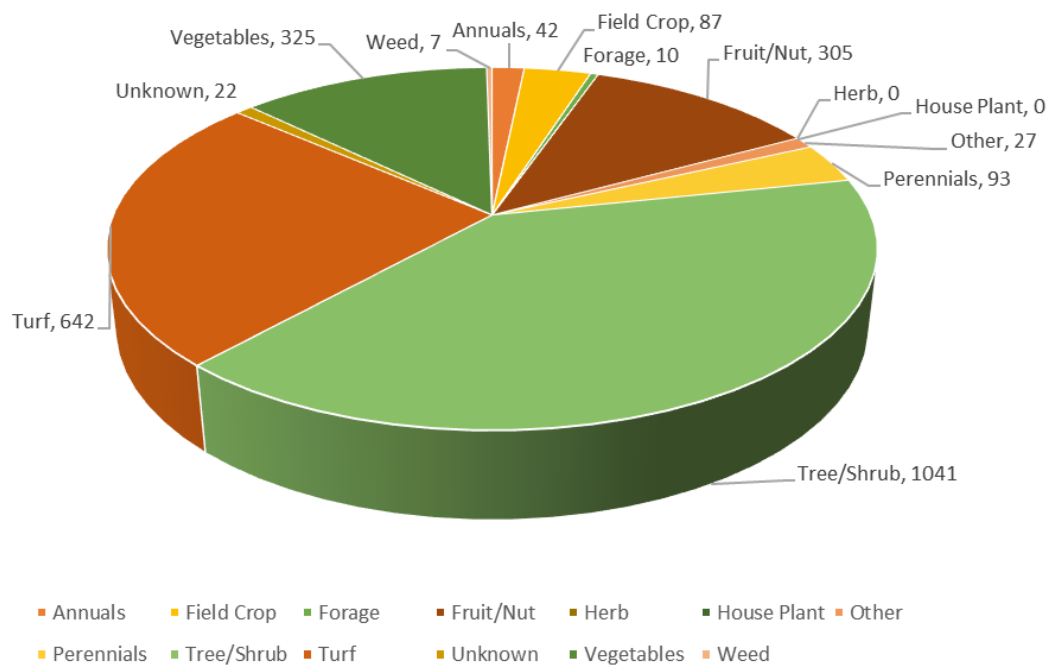


Plant Health Clinic 2014 Summary Report

The Plant Health Clinic received 2601 plant samples in 2014. Horticultural samples continue to follow the trend of recent years by comprising the largest percentage of samples received. The largest category of samples in 2014 was for the category Trees/shrubs (40.0%), followed by Turf (24.7%), Vegetables (12.6%), Fruit/Nut (11.7%), Perennials (3.6%), Field Crops (3.3%), Annuals (1.6%), Other (1.0%), Unknown (0.8%), Forage (0.4%), Weed (0.3%). Note that Unknown are samples, either plant or insect that come into the lab to be identified. 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, 2014-January 1, 2015



Plant Health Samples by Commodity	Number of Samples
Annuals	42
Field Crop	87
Forage	10
Fruit/Nut	305
Herb	0
House Plant	0
Other	27
Perennials	93
Tree/Shrub	1041
Turf	642
Unknown	22
Vegetables	325
Weed	7
Total	2601

District	Plant Health Samples Submitted
Out of State	95
Delta	679
Ouachita	749
Ozark	1078
Total	2601

MonthPlant Health Samples Submitted

January	30
Week 1	2
Week 2	3
Week 3	9
Week 4	8
Week 5	8
February	31
Week 6	4
Week 7	4
Week 8	9
Week 9	14
March	70
Week 10	3
Week 11	13
Week 12	19

Week 13	19
Week 14	16
April	171
Week 14	17
Week 15	30
Week 16	32
Week 17	39
Week 18	53
May	393
Week 18	15
Week 19	80
Week 20	76
Week 21	115
Week 22	107
June	549
Week 23	145
Week 24	96
Week 25	125
Week 26	125
Week 27	58
July	482
Week 27	43
Week 28	111
Week 29	107
Week 30	96
Week 31	125
August	313
Week 31	5
Week 32	53
Week 33	89
Week 34	110
Week 35	56
September	345
Week 36	76
Week 37	59
Week 38	62
Week 39	108
Week 40	40
October	166
Week 40	33
Week 41	34
Week 42	25
Week 43	40
Week 44	34
November	46
Week 45	19
Week 46	12

Week 47	11
Week 48	4
December	5
Week 49	3
Week 50	2

Plant Health Total 2601

County	Samples Submitted	County	Samples Submitted
Arkansas	31	Ashley	4
Baxter	105	Benton	60
Boone	47	Bradley	13
Carroll	25	Chicot	16
Clark	47	Clay	22
Cleburne	36	Cleveland	1
Columbia	33	Conway	8
Craighead	192	Crawford	40
Crittenden	27	Cross	9
Drew	6	Faulkner	182
Franklin	31	Fulton	8
Garland	252	Grant	1
Greene	2	Hempstead	8
Hot Spring	3	Howard	3
Independence	4	Izard	10
Jackson	16	Jefferson	39
Johnson	10	Lafayette	8
Lawrence	19	Lee	15
Lincoln	7	Little River	1
Logan	11	Lonoke	47
Marion	17	Miller	4
Mississippi	11	Monroe	2
Montgomery	9	NA	3
Nevada	2	Newton	12
Ouachita	12	Out of State	92
Perry	3	Phillips	14
Poinsett	9	Polk	4
Pope	112	Prairie	35
Pulaski	309	Randolph	3
Saline	32	Scott	1
Sebastian	111	Sevier	2
Sharp	9	St. Francis	32
Union	1	Van Buren	10
Washington	229	White	112
Woodruff	9	Yell	1

Pests

- 8 - Anthracnose, *Colletotrichum orbiculare*
Confirmed: 7
Suspected: 1
- 2 - Dogwood Anthracnose, *Discula destructiva*
Confirmed: 1
Suspected: 1
- 10 - Anthracnose, *Elsinoe* sp./spp.
Confirmed: 8
Suspected: 2
- 9 - Maple Anthracnose, *Gloeosporium apocryptum*
Confirmed: 9
- 1 - Euonymus Anthracnose, *Gloeosporium frigidum*
Confirmed: 1
- 4 - Anthracnose, *Glomerella* (*Colletotrichum*) *cingulata* (*gloeosporioides*)
Confirmed: 4
- 1 - Anthracnose; Black Spot, *Stegophora* (*Gnomonia*) *ulmea*
Confirmed: 1
- 1 - Anthracnose, *Colletotrichum graminicola*
Confirmed: 1
- 1 - Anthracnose, *Sphaceloma* sp./spp.
Confirmed: 1
- 3 - Anthracnose Fruit Rot, *Colletotrichum* sp./spp.
Confirmed: 3
- 6 - Botrytis Blight, *Botrytis* sp./spp.
Confirmed: 6
- 1 - Diplodia Blight, *Sphaeropsis sapinea*
Confirmed: 1
- 8 - Brown Rot, *Monilia* sp./spp.
Confirmed: 8

9 - Brown Patch, *Rhizoctonia* sp./spp.
Confirmed: 9

46 - Fire Blight, *Erwinia amylovora*
Confirmed: 44
Suspected: 2

3 - Gummy Stem Blight, *Didymella* sp./spp.
Confirmed: 2
Suspected: 1

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

1 - Arborvitae Leaf Blight, *Didymascella thujina*
Confirmed: 1

2 - Sirococcus Needle Blight, *Sirococcus* sp./spp.
Confirmed: 2

1 - Stigmina Needle Blight, *Stigmina lautii*
Confirmed: 1

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

1 - Tip Blight, *Kabatina* sp./spp.
Confirmed: 1

2 - Diplodia Tip Blight; Canker, *Sphaeropsis (Diplodia) sapinea* (pinea)
Confirmed: 2

54 - Spring Dead Spot, *Ophiosphaerella* sp./spp.
Confirmed: 54

1 - Aerial Blight, *Rhizoctonia* sp./spp.
Confirmed: 1

1 - Foliar Blight, *Fusarium* sp./spp.
Confirmed: 1

1 - Filbert Blight and Dieback, *Xanthomonas campestris* pv. *corylina*
Confirmed: 1

7 - Rhizosphaera Needle Cast, *Rhizosphaera* sp./spp.
Confirmed: 6

Suspected: 1

1 - Arborvitae; Cypress Twig Blight, *Cercospora thujina*
Confirmed: 1

4 - Oak Twig Blight, *Coryneum kunzei*
Confirmed: 4

1 - Aerial Stem Blight, *Phytophthora* sp./spp.
Confirmed: 1

1 - Bacterial Blight, *Erwinia* sp./spp.
Confirmed: 1

10 - Bacterial Blight, *Pseudomonas syringae syringae*
Confirmed: 9
Suspected: 1

6 - Soybean Bacterial Blight, *Pseudomonas syringae* pv. *glycinea*
Confirmed: 6

1 - Bacterial Blight, *Xanthomonas* sp./spp.
Confirmed: 1

2 - Bacterial Blight, *Xanthomonas campestris*
Confirmed: 2

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

2 - Common Bacterial Blight, *Xanthomonas campestris* pv. *phaseoli*
Confirmed: 2

4 - Peony Leaf Blotch, *Cladosporium paeoniae*
Confirmed: 3
Suspected: 1

1 - Leaf Blotch, *Guignardia (Phyllosticta) aesculi (aesculicola)*
Confirmed: 1

2 - Onion Purple (Brown) Blotch, *Alternaria porri*
Confirmed: 2

1 - Fusarium Canker, *Fusarium* sp./spp.
Confirmed: 1

- 11 - Canker, Hypoxylon sp./spp.
Confirmed: 5
Not Detected: 1
Suspected: 5
- 1 - Hickory Hypoxylon Canker, Hypoxylon rubiginosum
Confirmed: 1
- 3 - Leucostoma Canker, Leucostoma sp./spp.
Confirmed: 1
Suspected: 2
- 2 - Maple Canker, Stegосporium sp./spp.
Confirmed: 2
- 31 - Cypress Canker, Seiridium cardinale
Confirmed: 27
Not Detected: 1
Suspected: 3
- 1 - Dieback; Canker, Seiridium sp./spp.
Suspected: 1
- 1 - Kabatina Twig Blight, Kabatina thujae
Confirmed: 1
- 26 - Pestalotia Dieback, Pestalotia sp./spp.
Confirmed: 26
- 1 - Magnolia Dieback, Shearia fusa
Confirmed: 1
- 10 - Willow Black Canker, Glomerella (Physalospora) miyabeana
Confirmed: 8
Suspected: 2
- 5 - Rose Brown Canker, Cryptosporella umbrina
Confirmed: 5
- 1 - Dead Arm Disease, Eutypa (Libertella) armeniacae (blepharis)
Confirmed: 1
- 26 - Bacterial Canker, Clavibacter michiganensis michiganensis
Confirmed: 26
- 6 - Bacterial Canker, Pseudomonas syringae

Confirmed: 5
Suspected: 1

9 - Bacterial Canker, *Pseudomonas syringae syringae*
Confirmed: 6
Suspected: 3

1 - Crown Gall, *Agrobacterium sp./spp.*
Suspected: 1

3 - Crown Gall, *Agrobacterium tumefaciens*
Confirmed: 3

3 - Oak Leaf Blister, *Taphrina caerulescens*
Confirmed: 3

3 - Peach Leaf Curl, *Taphrina deformans*
Confirmed: 3

1 - Cucumber Scab; Gummosis, *Cladosporium cucumerinum*
Confirmed: 1

9 - Pecan; Hickory Scab, *Cladosporium caryigenum*
Confirmed: 9

1 - Potato Common Scab, *Streptomyces scabies*
Confirmed: 1

1 - Apple Scab, *Venturia (Spilocaea) inaequalis (pomi)*
Confirmed: 1

1 - Double Blossom (Rosette), *Cercospora rubi*
Confirmed: 1

2 - Soybean Bacterial Pustule, *Xanthomonas campestris pv. glycines*
Confirmed: 2

1 - Bacterial Gall, *Pseudomonas syringae savastanoi*
Suspected: 1

3 - Cucurbit Downy Mildew, *Pseudoperonospora cubensis*
Confirmed: 3

3 - Grape Downy Mildew, *Plasmopara viticola*
Confirmed: 3

- 1 - Onion Downy Mildew, *Peronospora destructor*
Suspected: 1
- 2 - Soybean Downy Mildew, *Peronospora manshurica*
Confirmed: 2
- 6 - Downy Mildew, *Plasmopara obducens*
Confirmed: 5
Suspected: 1
- 1 - Powdery Mildew (Turfgrass), *Blumeria graminis*
Confirmed: 1
- 1 - Powdery Mildew, *Microsphaera* sp./spp.
Confirmed: 1
- 1 - Powdery Mildew, *Phyllactinia* sp./spp.
Confirmed: 1
- 2 - Powdery Mildew, *Podosphaera* sp./spp.
Confirmed: 2
- 1 - Powdery Mildew, *Sphaerotheca* sp./spp.
Confirmed: 1
- 1 - Peach Powdery Mildew, *Sphaerotheca pannosa*
Confirmed: 1
- 1 - Fairy Ring, Various fungi
Confirmed: 1
- 1 - Oak Decline, Complex of Biotic; Abiotic Factors
Suspected: 1
- 3 - Wildfire, *Pseudomonas syringae* PV. *tabaci*
Confirmed: 3
- 6 - Fusarium Wilt Complex, *Fusarium* sp./spp.
Confirmed: 5
Suspected: 1
- 2 - Mimosa Wilt, *Fusarium oxysporum perniciosum*
Confirmed: 2
- 2 - Clematis Wilt; Leaf Spot, *Phoma clematidina*
Confirmed: 2

- 31 - Verticillium Wilt, *Verticillium* sp./spp.
Confirmed: 12
Suspected: 19
- 1 - Pith Necrosis, *Pseudomonas corrugata*
Confirmed: 1
- 5 - Cucurbit Bacterial Wilt, *Erwinia tracheiphila*
Confirmed: 5
- 3 - Physarum Slime Mold, *Physarum* sp./spp.
Confirmed: 3
- 5 - Slime Mold, Class myxomycetes; myxomycota
Confirmed: 4
Suspected: 1
- 1 - Sooty Mold, *Cladosporium* sp./spp.
Confirmed: 1
- 4 - White Mold (Stem Rot), *Sclerotinia sclerotiorum*
Confirmed: 3
Suspected: 1
- 1 - Fusarium Rot, *Fusarium* sp./spp.
Confirmed: 1
- 3 - Black Root Rot, *Thielaviopsis (Chalara) basicola (elegans)*
Confirmed: 3
- 1 - Charcoal Rot, *Macrophomina* sp./spp.
Suspected: 1
- 4 - Charcoal Rot, *Macrophomina phaseolina*
Confirmed: 4
- 1 - Drop (Sclerotinia Rot), *Sclerotinia* sp./spp.
Suspected: 1
- 1 - Botrytis Fruit Rot, *Botrytis* sp./spp.
Confirmed: 1
- 1 - Ripe Rot, *Colletotrichum* sp./spp.
Confirmed: 1

- 1 - Fusarium Root Rot, *Fusarium* sp./spp.
Confirmed: 1
- 1 - Root Rot, *Ganoderma* sp./spp.
Suspected: 1
- 3 - Rhizoctonia Root Rot, *Rhizoctonia* sp./spp.
Confirmed: 3
- 1 - Southern Stem Rot, *Sclerotium rolfsii*
Confirmed: 1
- 1 - Rhizoctonia Stem Rot, *Rhizoctonia* sp./spp.
Confirmed: 1
- 2 - Pythium Stalk Rot, *Pythium aphanidermatum*
Confirmed: 2
- 64 - Crown and Root Rot, *Phytophthora* sp./spp.
Confirmed: 43
Suspected: 21
- 1 - Buckeye Fruit and Root Rot, *Phytophthora capsici*
Confirmed: 1
- 92 - Take-all, *Gaeumannomyces* sp./spp.
Confirmed: 90
Suspected: 2
- 1 - Wood Rot Fungus, *Phellinus* sp./spp.
Suspected: 1
- 1 - Bacterial Soft Rot, *Erwinia* sp./spp.
Confirmed: 1
- 2 - Rust, *Gymnosporangium* sp./spp.
Confirmed: 2
- 2 - Australasian Soybean Rust, *Phakopsora pachyrhizi*
Confirmed: 2
- 9 - Rhizoctonia Damping Off, *Rhizoctonia* sp./spp.
Confirmed: 9
- 2 - Flower Smut, *Ustilago cynodontis*
Confirmed: 2

- 1 - Bean Angular Leaf Spot, *Phaeoisariopsis* (*Isariopsis*) *griseola*
Confirmed: 1
- 3 - Angular Leaf Spot, *Mycosphaerella angulata*
Confirmed: 3
- 26 - Cucurbit Angular Leaf Spot, *Pseudomonas syringae* pv. *lachrymans*
Confirmed: 26
- 8 - Black Spot (Rose), *Diplocarpon* (*Marssonina*) *rosae*
Confirmed: 7
Not Detected: 1
- 2 - Black Spot, *Stegophora* (*Asteroma*) *ulmea* (*ulmeum*)
Confirmed: 2
- 5 - Rice Blast, *Magnaporthe grisea*
Confirmed: 5
- 1 - Flyspeck, *Schizothyrium* (ana. *Zygophiala*) *pomi* (*jamaicensis*)
Confirmed: 1
- 4 - Soybean Frogeye Leaf Spot, *Cercospora soja*
Confirmed: 4
- 1 - Sorghum Gray Leaf Spot, *Cercospora sorghi*
Confirmed: 1
- 6 - Gray Leaf Spot, *Magnaporthe* (ana. *Pyricularia*) *grisea*
Confirmed: 6
- 2 - Alternaria Leaf Spot, *Alternaria* sp./spp.
Confirmed: 2
- 1 - Bipolaris Leaf Spot, *Cochliobolus setariae*
Confirmed: 1
- 8 - Cercospora Leaf Spot, *Cercospora* sp./spp.
Confirmed: 8
- 2 - Coniothyrium Leaf Spot, *Coniothyrium* sp./spp.
Confirmed: 2
- 1 - Cercospora Blight, *Cercospora sequoiae*
Confirmed: 1

25 - Helminthosporium Leaf Spot, Cochliobolus (Bipolaris) cynodontis
Confirmed: 25

1 - Cercospora Leaf Spot, Cercospora canescens
Confirmed: 1

1 - Cercospora Leaf Spot, Cercospora citrullina
Confirmed: 1

2 - Azalea Leaf Spot, Cercospora handelii
Confirmed: 2

2 - Cercospora Leaf Spot, Cercospora salicina
Confirmed: 2

2 - Mulberry Leaf Spot, Cercosporella mori
Confirmed: 2

1 - Leaf Spot, Cercospora wisteriae
Confirmed: 1

1 - Cercospora Leaf Spot, Cercospora eustomae
Confirmed: 1

1 - Leaf Spot, Cercospora zinniae
Confirmed: 1

1 - Fungal Leaf Spot, Cercospora hydrangeae
Confirmed: 1

2 - Helminthosporium Leaf Spot, Drechslera sp./spp.
Confirmed: 2

13 - Entomosporium Leaf Spot, Entomosporium sp./spp.
Confirmed: 12
Suspected: 1

1 - Leaf Spot, Cercospora rosicola
Confirmed: 1

2 - Phomopsis Leaf Spot, Phomopsis sp./spp.
Confirmed: 2

5 - Phyllosticta Leaf Spot, Phyllosticta sp./spp.
Confirmed: 5

- 8 - Phytophthora Leaf Spot, *Phytophthora* sp./spp.
Confirmed: 1
Not Detected: 7
- 6 - Maple Leaf Spot, *Phyllosticta minima*
Confirmed: 5
Suspected: 1
- 1 - Septoria Leaf Spot, *Septoria* sp./spp.
Confirmed: 1
- 3 - Dogwood Leaf Spot, *Septoria cornicola*
Confirmed: 3
- 4 - Leaf Spot, *Tubakia dryina*
Confirmed: 4
- 1 - Purple Spot, *Stemphylium vesicarium*
Confirmed: 1
- 8 - Coryneum Blight (Shot Hole), *Wilsonomyces (Stigmina) carpophilus*
(*carpophila*)
Confirmed: 8
- 14 - Tomato Bacterial Speck, *Pseudomonas tomato*
Confirmed: 14
- 1 - Stem Lesion and Leaf Spot, *Cercospora* sp./spp.
Confirmed: 1
- 1 - White Spot, *Cercospora* sp./spp.
Confirmed: 1
- 1 - Algal Leaf Spot, *Cephaleuros* sp./spp.
Confirmed: 1
- 1 - Bacterial Speck, *Pseudomonas syringae* PV. *tomato*
Confirmed: 1
- 7 - Bacterial Leaf Spot, *Pseudomonas* sp./spp.
Confirmed: 7
- 4 - Bacterial Leaf Spot, *Pseudomonas syringae*
Confirmed: 3
Suspected: 1

- 1 - Crucifer Bacterial Leaf Spot, *Pseudomonas syringae* PV. *maculicola*
Confirmed: 1
- 2 - Bacterial Leaf Spot, *Xanthomonas* sp./spp.
Confirmed: 2
- 2 - Bacterial Leaf Spot, *Xanthomonas campestris campestris*
Confirmed: 2
- 1 - Ivy Bacterial Leaf Spot, *Xanthomonas campestris* pv. *hederae*
Confirmed: 1
- 22 - Bacterial Leaf Spot, *Xanthomonas campestris pruni*
Confirmed: 22
- 5 - Bean Brown Spot Blight, *Pseudomonas syringae*
Confirmed: 5
- 18 - Cucumber Mosaic, Cucumber Mosaic Virus (CMV)
Confirmed: 18
- 1 - Hosta Virus X, Hosta Virus X (HVX)
Confirmed: 1
- 1 - Odontoglossum Ringspot, Odontoglossum Ringspot Virus (ORSV)
Confirmed: 1
- 2 - Squash Mosaic, Squash Mosaic Virus (SQMV)
Confirmed: 2
- 6 - Tobacco Mosaic, Tobacco Mosaic Virus (TMV)
Confirmed: 5
Not Detected: 1
- 2 - Tobacco Ringspot, Tobacco Ringspot Virus (TRSV)
Confirmed: 1
Suspected: 1
- 8 - Tomato Spotted Wilt, Tomato Spotted Wilt Virus (TSWV)
Confirmed: 8
- 2 - Watermelon Mosaic, Watermelon Mosaic Virus (WMV)
Confirmed: 2
- 4 - Mites, Order Acari

Confirmed: 4

4 - Eriophyid Mites, Family Eriophyidae

Confirmed: 4

1 - Baldcypress Rust Mite, *Epitrimerus taxodii*

Confirmed: 1

1 - Eriophyid Aculops Mites, *Aculops* sp./spp.

Confirmed: 1

1 - Eriophyid Rust Mite, *Epitrimerus* sp./spp.

Confirmed: 1

1 - Broad Mite, *Polyphagotarsonemus latus*

Confirmed: 1

23 - Spider Mites, Family Tetranychidae

Confirmed: 22

Suspected: 1

1 - Oak Spider Mite, *Oligonychus bicolor*

Confirmed: 1

2 - Pecan Leaf Scorch Mite, *Eotetranychus hicoriae*

Confirmed: 2

1 - Maple Spider Mite, *Oligonychus aceris*

Confirmed: 1

2 - Flatheaded Appletree Borer, *Chrysobothris femorata*

Suspected: 2

1 - Oak Twig Pruner, *Anelaphus parallelus*

Suspected: 1

1 - Cucumber Beetles, Subfamily Galerucinae

Confirmed: 1

2 - Flea Beetles, Subfamily Alticinae

Confirmed: 2

1 - Elm Leaf Beetle, *Xanthogaleruca (Pyrrhalta) luteola*

Confirmed: 1

1 - Pecan Weevil, *Curculio caryae*

Confirmed: 1

1 - Wireworms (Click Beetles), Family Elateridae
Suspected: 1

2 - May Beetles, Family Scarabaeidae
Confirmed: 2

1 - Bark Beetles; Ambrosia Beetles, Family Scolytidae
Confirmed: 1

1 - Hickory Bark Beetle, *Scolytus quadrispinosus*
Confirmed: 1

1 - Willow Beaked-gall Midge, *Mayetiola rigidae*
Confirmed: 1

1 - Boxwood Leafminer, *Monarthropalpus flavus (buxi)*
Confirmed: 1

1 - Oak Vein Pocket Gallmaker, *Macrodiplosis quercusoruca*
Confirmed: 1

1 - Cypress Twig Gall Midge, *Taxodiomyia cupressiananassa*
Confirmed: 1

4 - Stink Bugs, Family Pentatomidae
Confirmed: 4

1 - Harlequin Bug, *Murgantia histrionica*
Confirmed: 1

1 - Elm Lace Bug, *Corythucha ulmi*
Confirmed: 1

7 - Azalea Lace Bug, *Stephanitis pyrioides*
Confirmed: 7

5 - Lantana Lace Bug, *Teleonemia scrupulosa*
Confirmed: 5

4 - Whiteflies, Family Aleyrodidae
Confirmed: 4

4 - Aphids (Plant Lice), Family Aphididae
Confirmed: 4

- 1 - Apple Aphid, *Aphis pomi*
Confirmed: 1
- 2 - Woolly Apple Aphid, *Eriosoma lanigerum*
Confirmed: 1
Suspected: 1
- 1 - Daylily Aphid, *Myzus hemerocallis*
Confirmed: 1
- 2 - Common Falsepit Scale, *Lecanodiaspis prosopidis*
Confirmed: 1
Suspected: 1
- 1 - Wax Scale, *Ceroplastes* sp./spp.
Confirmed: 1
- 1 - Cottony Camellia Scale, *Pulvinaria floccifera*
Confirmed: 1
- 1 - Rose Scale, *Aulacaspis rosae*
Suspected: 1
- 1 - Camellia Scale, *Lepidosaphes camelliae*
Confirmed: 1
- 1 - White Peach Scale, *Pseudaulacaspis pentagona*
Confirmed: 1
- 1 - Euonymus Scale, *Unaspis euonymi*
Confirmed: 1
- 2 - Azalea Bark Scale, *Eriococcus azaleae*
Confirmed: 2
- 1 - Groundpearls, *Margarodes* sp./spp.
Confirmed: 1
- 6 - Pecan Leaf Phylloxera, *Phylloxera notabilis*
Confirmed: 5
Suspected: 1
- 1 - Grape Phylloxera, *Daktulosphaira vitifoliae*
Confirmed: 1

- 1 - Hickory Leaf Stem Gallmakers, *Phylloxera* sp./spp.
Confirmed: 1
- 1 - Hickory Leaf Stem Gall Aphid, *Phylloxera caryaecaulis*
Confirmed: 1
- 2 - Gall Wasps, Family Cynipidae
Confirmed: 2
- 1 - Wool Sower Gall Wasp, *Callirhytis seminator*
Confirmed: 1
- 1 - Horned Oak Gall Wasp, *Callirhytis cornigera*
Confirmed: 1
- 1 - Loblolly Pine Sawfly, *Neodiprion taedae*
Confirmed: 1
- 1 - Cicada Killer, *Sphecius speciosus*
Suspected: 1
- 1 - Common Sawflies, Family Tenthredinidae
Suspected: 1
- 1 - Maple Petiole Borer, *Caulocampus acericaulis*
Confirmed: 1
- 4 - Roseslug, *Endelomyia aethiops*
Confirmed: 4
- 1 - Barberry Looper, *Coryphista meadii*
Confirmed: 1
- 2 - Azalea Leafminer, *Caloptilia azaleella*
Confirmed: 2
- 2 - Maple Leafcutter, *Paraclemensia acerifoliella*
Confirmed: 2
- 5 - Oak Skeletonizer, *Bucculatrix ainliella*
Confirmed: 5
- 2 - Iris Borer, *Macronoctua onusta*
Confirmed: 2
- 1 - Stalk Borer, *Papaipema nebris*

Confirmed: 1

1 - Bagworm Moths, Family Psychidae

Confirmed: 1

10 - Clearwing Borers, Family Sesiidae

Confirmed: 4

Suspected: 6

1 - Rhododendron Borer, *Synanthedon rhododendri*

Suspected: 1

4 - Dogwood Borer (Dwb), *Synanthedon scitula*

Suspected: 4

3 - Oriental Fruit Moth (Ofm), *Grapholita molesta*

Confirmed: 2

Suspected: 1

1 - Grape Berry Moth (Gbm), *Endopiza viteana*

Confirmed: 1

1 - Carolina Mantid, *Stagmomantis carolina*

Confirmed: 1

3 - Free Living Nematodes, Multiple genera sp./spp.

Confirmed: 2

Suspected: 1

9 - Chemical Injury, Abiotic disorder

Confirmed: 1

Suspected: 8

24 - Chemical; Environmental Injury, Abiotic disorder

Suspected: 24

1 - Salt Damage, Abiotic disorder

Suspected: 1

1 - High Soluble Salt, Abiotic disorder

Suspected: 1

73 - Herbicide Injury; Exposure, Abiotic disorder

Confirmed: 5

Suspected: 68

2 - Herbicide Drift, Abiotic disorder
Suspected: 2

18 - Glyphosate Injury, Abiotic disorder
Confirmed: 1
Suspected: 17

18 - 2-4-d Injury, Abiotic disorder
Suspected: 18

1 - Rodent Damage, Abiotic disorder
Confirmed: 1

2 - Cultural/Environmental Problem, Abiotic disorder
Suspected: 2

1 - Poor Growing Conditions, Abiotic disorder
Suspected: 1

3 - Sunscald, Abiotic disorder
Confirmed: 2
Suspected: 1

6 - Nutritional Pathology, Abiotic disorder
Suspected: 6

8 - Nutritional Deficiency, Abiotic disorder
Confirmed: 1
Suspected: 7

3 - Ph Induced Pathology, Abiotic disorder
Suspected: 3

2 - High Ph Damage, Abiotic disorder
Suspected: 2

2 - Low Ph; Nutrient Imbalance, Abiotic disorder
Suspected: 2

4 - Windburn, Abiotic disorder
Not Detected: 1
Suspected: 3

8 - Scorch, Abiotic disorder
Confirmed: 1
Suspected: 7

- 15 - Winter Injury, Abiotic disorder
Confirmed: 1
Suspected: 14
- 12 - Environmental Stress; Problem, Abiotic disorder
Suspected: 12
- 2 - Drought Stress Damage, Abiotic disorder
Suspected: 2
- 14 - Oedema; Edema, Abiotic disorder
Confirmed: 14
- 2 - Physiological Responses, Abiotic disorder
Confirmed: 1
Suspected: 1
- 10 - Natural Senescence, Abiotic disorder
Confirmed: 6
Suspected: 4
- 2 - Fasciation, Abiotic disorder
Confirmed: 2
- 4 - Root Problems, Abiotic disorder
Suspected: 4
- 3 - Nitrogen Deficiency, Abiotic disorder
Suspected: 3
- 2 - Magnesium Deficiency, Abiotic disorder
Confirmed: 1
Suspected: 1
- 1 - Phosphorus Deficiency, Abiotic disorder
Confirmed: 1
- 1 - Fluoride Toxicity, Abiotic disorder
Suspected: 1
- 8 - Excessive Water, Abiotic disorder
Confirmed: 1
Suspected: 7
- 2 - Hail Damage, Abiotic disorder

Suspected: 2

1 - Leaf Spot, *Coniothyrium hellebori*

Confirmed: 1

1 - Dog Stinkhorn, *Mutinus caninus*

Confirmed: 1

2 - Herbicide Carryover, Abiotic disorder

Suspected: 2

1 - Poor pollination, Abiotic disorder

Confirmed: 1

3 - Septoria Leaf Blight, *Septoria lycopersici*

Confirmed: 2

Suspected: 1

3 - Phytophthora Canker, *Phytophthora* sp./spp.

Confirmed: 3

2 - Canker, Unidentified fungus

Confirmed: 1

Suspected: 1

1 - Dead Man's Fingers, *Xylaria polymorpha*

Confirmed: 1

2 - Bitter Pit, Abiotic Disorder

Confirmed: 2

1 - High pH; low soluble salt dam., Abiotic disorder

Suspected: 1

1 - Twig and Branch Canker, *Steganosporium* sp./spp.

Confirmed: 1

8 - Bacterial Wetwood; Slime Flux, Various Pathogens

Confirmed: 4

Suspected: 4

32 - Viruses, Viruses

Inconclusive: 1

Not Detected: 28

Suspected: 3

- 3 - Yellow-bellied Sapsucker, *Sphyrapicus varius*
Confirmed: 3
- 1 - Rose Rust, *Phragmidium speciosum*
Confirmed: 1
- 5 - Dogwood Powdery Mildew, *Erysiphe pulchra*
Confirmed: 5
- 1 - Ash Anthracnose, *Gnomoniella fraxini*
Confirmed: 1
- 1 - Phytophthora Canker, *Phytophthora nicotianae*
Confirmed: 1
- 1 - Anthracnose, *Colletotrichum dematium*
Confirmed: 1
- 3 - Sycamore Anthracnose, *Apiognomonia* (*Gnomonia*) (*ana. Discula*) *veneta* (*platani*)
Confirmed: 3
- 3 - Soybean Anthracnose, *Glomerella* (*Colletotrichum*) *glycines* (*destructivum*)
Confirmed: 3
- 1 - Pythium Pod and Stem Blight, *Pythium* sp./spp.
Confirmed: 1
- 1 - Phomopsis Canker and Twig Blight, *Diaporthe* (*Phomopsis*) *vaccinii*
Confirmed: 1
- 1 - Willow Canker, *Cryptodiaporthe* (*ana. Diplodina*) *salicina* (*microsperma*)
Confirmed: 1
- 5 - Pitch Canker, *Gibberella* (*Fusarium*) sp./spp.
Confirmed: 1
Suspected: 4
- 1 - Asian Pear Scab, *Venturia nashicola*
Confirmed: 1
- 3 - Oak Powdery Mildew, *Erysiphe* (*Oidium*) *alphitoides*
Confirmed: 3
- 3 - Powdery Mildew, *Sphaerotheca pannosa*
Confirmed: 3

- 1 - Stem Rot, *Magnaporthe (Sclerotium) salvinii (oryzae)*
Confirmed: 1
- 2 - Phytophthora Stem Rot, *Phytophthora nicotianae* var. *parasitica*
Confirmed: 2
- 1 - Cedar-Quince Rust, *Gymnosporangium clavipes*
Suspected: 1
- 1 - Cercospora Leaf Spot of Pomegranate, *Cercospora punicae*
Confirmed: 1
- 1 - Persimmon Anthracnose, *Cercospora fuliginosa*
Suspected: 1
- 1 - Strawberry Black Spot Fruit Rot, *Colletotrichum fragariae*
Confirmed: 1
- 23 - Septoria Leaf Spot, *Septoria lycopersici*
Confirmed: 22
Suspected: 1
- 3 - Bacterial Leaf Spot, Unidentified Bacteria
Confirmed: 3
- 1 - Phytotoxicity, Abiotic disorder
Suspected: 1
- 3 - Yew Leaf; Twig Blight, *Dothiora (Sphaerulina)(Sydowia) taxicola*
Confirmed: 3
- 1 - Yellow Tuft, *Sclerophthora (Phytophthora) macrospora*
Confirmed: 1
- 45 - Freeze; Frost; Cold Damage, Abiotic disorder
Confirmed: 20
Suspected: 25
- 1 - Eastern Filbert Blight, *Anisogramma (Cryptosporella) anomala*
Confirmed: 1
- 1 - Crown Gall, *Agrobacterium vitis*
Confirmed: 1
- 1 - Armillaria Root Rot, *Armillaria (Armillariella) sp./spp.*

Suspected: 1

4 - Anthracnose; Colletotrichum Leaf Spot, Colletotrichum sp./spp.

Confirmed: 4

2 - Early Blight; Leaf Spot, Alternaria solani

Confirmed: 2

1 - Dieback; Canker; Twig Blight, Botryosphaeria sp./spp.

Confirmed: 1

1 - Scab, Venturia sp./spp.

Confirmed: 1

1 - Red Leaf, Exobasidium vaccinii

Confirmed: 1

2 - Rust Mites, Order acari

Confirmed: 2

20 - Scale Insects, Order homoptera

Confirmed: 20

3 - Squash Vine Borer, Melittia cucurbitae

Confirmed: 1

Suspected: 2

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

Confirmed: 1

1 - Spot Anthracnose, Elsinoe veneta

Confirmed: 1

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

Confirmed: 2

1 - Botryosphaeria Canker; Dieback, Botryosphaeria (Diplodia) stevensii (mutila)

Confirmed: 1

1 - Pine Beetles, Family Scolytidae

Suspected: 1

1 - Sunflower Black Stem, Leptosphaeria (Phoma) lindquistii (macdonaldii)

Confirmed: 1

- 1 - Soybean Pod and Stem Blight, *Diaporthe* (*Phomopsis*) *phaseolorum sojae*
Confirmed: 1
- 1 - Crown Sheath Rot, *Gaeumannomyces graminis*
Confirmed: 1
- 9 - Take All, *Gaeumannomyces graminis* var. *avenae*
Confirmed: 9
- 3 - Nostoc, *Nostoc* sp./spp.
Confirmed: 2
Suspected: 1
- 6 - Purple Seed-stain; Leaf Blight, *Cercospora kikuchii*
Confirmed: 6
- 3 - Kabatina Tip Blight; Needle Blight, *Kabatina juniperi*
Confirmed: 3
- 2 - Greater Peachtree Borer (GPtB), *Synanthedon exitiosa*
Confirmed: 1
Suspected: 1
- 2 - Liver Spot, *Gnomonia* (ana. *Asteroma*) *caryae*
Confirmed: 2
- 2 - Sooty Blotch (Fruit), *Gloeodes pomigena*
Confirmed: 2
- 8 - Black Rot, *Guignardia* (*Phyllosticta*) *bidwellii* (*ampellicida*)
Confirmed: 8
- 3 - Cedar-apple Rust, *Gymnosporangium juniperi-virginianae*
Confirmed: 3
- 2 - Anthracnose, *Cryptocline betularum*
Confirmed: 2
- 1 - Cane and Leaf Rust, *Kuehneola uredinis*
Confirmed: 1
- 5 - Curvularia Blight; Leaf Spot, *Curvularia* sp./spp.
Confirmed: 5
- 1 - Apple Twig Blight;; Dieback; Canker, *Botryosphaeria obtusa*

Confirmed: 1

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

Confirmed: 4

Suspected: 1

1 - Iris Crown; Rhizome Rot, *Botryotinia convoluta*

Confirmed: 1

1 - Sooty Mold, *Meliola* sp./spp.

Confirmed: 1

1 - Dry Rot, *Serpula lacrymans*

Suspected: 1

1 - Twig Blight, *Monilinia azaleae*

Confirmed: 1

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

Confirmed: 1

1 - Canker; Coral Spot; Blight; Dieback, *Nectria* (*Tubercularia*) *cinnabarina* (*vulgaris*)

Suspected: 1

4 - Rose Downy Mildew, *Peronospora sparsa*

Confirmed: 4

1 - *Neocosmospora* Root or Fruit Rot, *Neocosmospora vasinfecta*

Confirmed: 1

8 - Brown Spot, *Mycosphaerella* (*Dothistroma*) *pini*

Confirmed: 8

3 - Leaf Spot, *Pestalotiopsis* (*Pestalotia*) sp./spp.

Confirmed: 3

1 - Wood Rot Fungus, *Perenniporia* (*Trametes*) *robiniophila*

Suspected: 1

1 - Spotted Wing *Drosophila*, *Drosophila suzukii*

Confirmed: 1

2 - Mallow Rust; Hollyhock Rust, *Puccinia malvacearum*

Confirmed: 2

- 3 - Anthracnose, *Apiognomonia* (*Discula*) *errabunda* (*quercina*) (*umbrinella*)
Confirmed: 3
- 20 - Pythium Blight; Cottony Blight, *Pythium* sp./spp.
Confirmed: 20
- 1 - Leaf Blight; Stem Blight; Stem Canker, *Phoma exigua*
Confirmed: 1
- 2 - Cane Blight; Canker, *Leptosphaeria* (*Coniothyrium*) *coniothyrium* (*fuckelli*)
Confirmed: 1
Suspected: 1
- 306 - Large Patch, *Thanatephorus* (*Rhizoctonia*) *cucumeris* (*solani*)
Confirmed: 303
Suspected: 3
- 3 - Phomopsis Tip Blight; Needle Blight, *Phomopsis juniperovora*
Confirmed: 3
- 5 - Oak Twig Canker and Dieback, *Botryosphaeria* (ana. *Dothiorella*) *quercuum* (*quercina*)
Confirmed: 5
- 3 - Hypoxylon Canker, *Entoleuca* (*Hypoxylon*) *mammata* (*blakei*)
Suspected: 3
- 4 - Seiridium Canker, *Lepteutypa* (*Seiridium*) *cupressi* (*unicorne*)
Confirmed: 3
Suspected: 1
- 2 - Phomopsis Dieback; Tip Blight; Canker, *Phomopsis* sp./spp.
Confirmed: 2
- 4 - Phytophthora Dieback; Blight, *Phytophthora* sp./spp.
Confirmed: 4
- 1 - Black Knot, *Apiosporina* (*Dibotryon*) *morbosa* (*morbosum*)
Confirmed: 1
- 121 - Pythium Root and/or Crown Rot, *Pythium* sp./spp.
Confirmed: 120
Suspected: 1
- 4 - Soybean Phytophthora Root and Stem Rot, *Phytophthora sojae*
Confirmed: 4

- 4 - Sheath Blight, *Rhizoctonia* sp./spp.
Confirmed: 4
- 5 - Rust; Leaf Rust, *Puccinia zoysiae*
Confirmed: 5
- 1 - Leaf Rust; rust, *Puccinia* sp./spp.
Confirmed: 1
- 5 - Pythium Damping Off, *Pythium* sp./spp.
Confirmed: 5
- 2 - Dollar Spot, *Sclerotinia homeocarpa*
Confirmed: 2
- 1 - Dutch Elm Disease, *Ophiostoma* sp./spp.
Not Detected: 1
- 7 - Tomato; Pepper Bacterial Spot, *Xanthomonas campestris* pv. *vesicatoria*
Confirmed: 6
Suspected: 1
- 1 - Basidiomycete, Unidentified Basidiomycete
Confirmed: 1
- 2 - Soybean Sudden Death Syndrome, *Fusarium virguliforme*
Confirmed: 2
- 1 - Canker, *Pythium* sp./spp.
Confirmed: 1
- 29 - Rose Rosette Disease, Rose rosette-associated virus (RRaV)
Confirmed: 15
Not Detected: 12
Suspected: 2
- 7 - Boxwood Volutella Blight; Canker, *Volutella buxi*
Confirmed: 7
- 42 - Root Rot, Unidentified Agent
Confirmed: 1
Suspected: 41
- 1 - Ficus Rust; Fig Rust, *Uredo ficina*
Confirmed: 1

- 1 - Rust, Unidentified Fungus
Confirmed: 1
- 31 - Insect Damage, Unidentified Insect
Confirmed: 29
Suspected: 2
- 1 - Mite Damage, Unidentified Mite
Confirmed: 1
- 1 - Host-Site Mis-match, Abiotic disorder
Suspected: 1
- 1 - Temperature Induced Pathology, Abiotic disorder
Suspected: 1
- 7 - Bacterial Leaf Scorch (BLS), *Xylella fastidiosa* (BLS)
Confirmed: 5
Suspected: 2
- 2 - Grapevine Pierce's Disease (PD), *Xylella fastidiosa* (PD)
Confirmed: 1
Suspected: 1
- 1 - Bryozoans; Moss Animals, Phylum Bryozoa
Confirmed: 1
- 63 - Insufficient Sample, Identification Analysis
Confirmed: 42
Inconclusive: 21
- 1 - Undetermined Injury or Pest, Identification Analysis
Confirmed: 1
- 1 - Powdery Mildew, Unidentified Fungus
Confirmed: 1
- 4 - Leaf Spot, *Tubakia* sp./spp.
Confirmed: 4
- 1 - San Jose Scale (SJS), *Diaspidiotus perniciosus*
Suspected: 1
- 12 - , Abiotic disorder
Confirmed: 5

Suspected: 7

2 - , *Apiognomonia* (*Discula*) *errabunda* (*quercina*) (*umbrinella*)

Confirmed: 2

1 - , *Blumeriella* (*Coccomyces*) *jaapii* (*hiemalis*)

Confirmed: 1

2 - , *Botryosphaeria* sp./spp.

Confirmed: 2

1 - , *Botryosphaeria* (ana. *Fusicoccum*) *dothidea* (ana. *aesculi*)

Confirmed: 1

4 - , *Botrytis* sp./spp.

Confirmed: 3

Suspected: 1

5 - , *Cercospora* *handellii*

Confirmed: 5

8 - , *Cercospora* *hydrangeae*

Confirmed: 8

2 - , *Cercospora* *rosicola*

Confirmed: 2

1 - , *Cercospora* *salicina*

Confirmed: 1

3 - , *Cercospora* sp./spp.

Confirmed: 3

1 - , Cucumber Mosaic Virus (CMV)

Confirmed: 1

1 - , *Erysiphe* (*Uncinula*) *necator*

Confirmed: 1

1 - , *Ganoderma* sp./spp.

Suspected: 1

1 - , *Gnomonia* (*Marssonina*) *leptostyla* (*juglandis*)

Confirmed: 1

2 - , *Helminthosporium* sp./spp.

Confirmed: 2

13 - , Identification Analysis

Confirmed: 6

Inconclusive: 1

Suspected: 6

1 - , Maize Dwarf Mosaic Virus A; B (MDMV)

Confirmed: 1

1 - , *Mycosphaerella* sp./spp.

Confirmed: 1

2 - , *Mycosphaerella* (*Septoria*) *rubi*

Confirmed: 2

1 - , *Neocosmospora* *vasinfecta*

Confirmed: 1

3 - , No Pathogen Found

Confirmed: 3

1 - , *Passalora* (*Cercospora*) *sequoiae*

Confirmed: 1

1 - , Pear Stony Pit Virus

Suspected: 1

1 - , *Peronospora* *sparsa*

Confirmed: 1

1 - , *Phomopsis* *juniperovora*

Confirmed: 1

1 - , *Phyllosticta* sp./spp.

Confirmed: 1

31 - , *Phytophthora* sp./spp.

Not Detected: 31

1 - , *Phytophthora* *syringae*

Not Detected: 1

5 - , Plum Pox Virus (PPV)

Not Detected: 5

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

3 - , Rose rosette-associated virus (RRaV)
Confirmed: 1
Not Detected: 2

2 - , Tobacco Mosaic Virus (TMV)
Confirmed: 1
Suspected: 1

1 - , Tobacco Ringspot Virus (TRSV)
Confirmed: 1

2 - , Tomato Spotted Wilt Virus (TSWV)
Confirmed: 2

1 - , Unidentified Insect
Confirmed: 1

4 - , Viruses
Not Detected: 4

1 - Fuzzy Oak Gall Wasp, Andricus quercusflocci
Confirmed: 1

3 - Rust, Puccinia cynodontis
Confirmed: 3

1 - Bacterial Blight, Unidentified Bacteria
Confirmed: 1

1 - Mycosphaerella Leaf Spot, Mycosphaerella (ana Passalora) cerasella (ana circumscissa)
Confirmed: 1

2 - Woolly Oak Aphid, Stegophylla essigi
Confirmed: 2

1 - Normal Plant Growth, Identification Analysis
Confirmed: 1

1 - Barklice, Order psocoptera
Confirmed: 1

3 - Melting Out, Cochliobolus (Bipolaris) cynodontis

Confirmed: 3

1 - Southern Stem, Crown, Root, Seedling Blight, *Athelia (Sclerotium) rolfsii*

Confirmed: 1

56 - No Pathogen Found, Identification Analysis

Confirmed: 21

Inconclusive: 34

Not Detected: 1

2 - Anthracnose; Twig Dieback, *Colletotrichum* sp./spp.

Confirmed: 2

3 - , Abiotic disorder

Suspected: 3

1 - Covered Smut, *Sporisorium (Sphacelotheca)* sp./spp.

Confirmed: 1

1 - False Oleander Scale, *Pseudaulacaspis cockerelli*

Confirmed: 1

1 - Unspecified Pathology, *Pythium* sp./spp.

Confirmed: 1

24 - Crown Rot; Root Rot; Stem Rot, *Phytophthora* sp./spp.

Confirmed: 20

Suspected: 4

9 - Root-knot Nematodes, *Meloidogyne* sp./spp.

Confirmed: 7

Not Detected: 1

Suspected: 1

3 - Jumping Oak Gall Wasp, *Neuroterus saltatorius*

Confirmed: 3

1 - , *Seimatosporium* sp./spp.

Confirmed: 1

3 - Burr Knot, Abiotic disorder

Confirmed: 3

1 - Sooty Blotch Flyspeck Complex, Various Fungi

Confirmed: 1

1 - smoke tree rust, *Pileolaria cotini-coggyriae*
Confirmed: 1

1 - Wheat bacterial sheath rot, *Pseudomonas fuscovaginae*
Suspected: 1

1 - Tomato Bacterial Spot, *Xanthomonas perforans*
Confirmed: 1

4 - Leaf Blight; Leaf Spot; Shothole, *Blumeriella (Coccomyces) jaapii (hiemalis)*
Confirmed: 4

15 - *Helminthosporium* Leaf Spot, *Bipolaris (Cochliobolus) cynodontis*
Confirmed: 15

1 - Drippy acorns, *Erwinia quercina*
Confirmed: 1