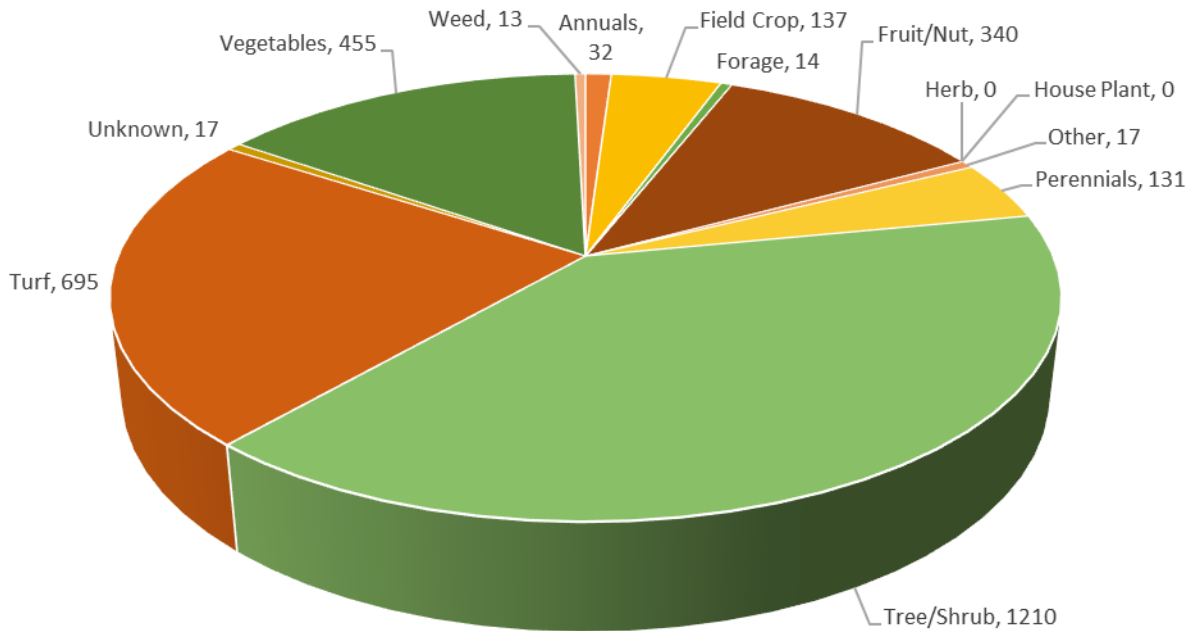


Plant Health Clinic 2016 Summary Report

The Plant Health Clinic received 3061 plant samples in 2016. Horticultural samples continue to follow the trend of recent years by comprising the largest percentage of samples received. The largest category of samples in 2016 was for the category Trees/shrubs (40.0%) with 1210 samples, followed by Turf (23.0%), with 695 samples, Vegetables (15.0%), with 455 samples, Fruit/Nut (11.0%), with 340 samples, Field Crops (4.0%), Perennials (4.0%), Annuals (1.0%), Other (1.0%) and the remaining 1% divided among weed samples, forage, and unknown.

Plant Health Clinic Samples January 1, 2016-January 1, 2017



Plant Health Samples by Commodity	Number of Samples
Annuals	32
Field Crop	137
Forage	14
Fruit/Nut	340
Herb	0
House Plant	0
Other	17
Perennials	131
Tree/Shrub	1210
Turf	695
Unknown	17
Vegetables	455
Weed	13
Total	3061

District	Plant Health Samples Submitted
Out of State	22
Delta	672
Ouachita	1152
Ozark	1215
Total	3061

Month Plant Health Samples Submitted

January	34
Week 2	15
Week 3	9
Week 4	6
Week 5	4
February	67
Week 6	14
Week 7	14
Week 8	14
Week 9	20
Week 10	5

March	112
Week 10	18
Week 11	19
Week 12	26
Week 13	18
Week 14	31
April	256
Week 14	2
Week 15	31
Week 16	49
Week 17	66
Week 18	108
May	596
Week 19	88
Week 20	135
Week 21	150
Week 22	167
Week 23	56
June	595
Week 23	84
Week 24	129
Week 25	146
Week 26	145
Week 27	91
July	342
Week 27	4
Week 28	77
Week 29	106
Week 30	76
Week 31	79
August	381
Week 32	95
Week 33	72
Week 34	64
Week 35	88
Week 36	62
September	339
Week 36	19
Week 37	84
Week 38	86
Week 39	82
Week 40	68
October	238
Week 41	69
Week 42	62
Week 43	53

Week 44	36
Week 45	18
November	88
Week 45	27
Week 46	24
Week 47	20
Week 48	7
Week 49	10
December	13
Week 49	3
Week 50	6
Week 51	4

Plant Health Total 3061

County	Plant Health Samples Submitted	County	Plant Health Samples Submitted
Arkansas	53	Ashley	9
Baxter	99	Benton	107
Boone	53	Bradley	32
Carroll	68	Chicot	16
Clark	51	Clay	31
Cleburne	55	Cleveland	3
Columbia	17	Conway	16
Craighead	124	Crawford	168
Crittenden	18	Cross	41
Dallas	4	Desha	3
Drew	10	Faulkner	138
Franklin	31	Fulton	7
Garland	222	Grant	20
Greene	5	Hempstead	5
Hot Spring	35	Howard	14
Independence	20	Izard	29
Jackson	18	Jefferson	47
Johnson	15	Lafayette	18
Lawrence	22	Lee	8
Lincoln	3	Little River	1
Logan	14	Lonoke	64
Marion	15	Miller	63
Mississippi	19	Monroe	3
Montgomery	33	Nevada	3
Newton	17	Ouachita	1
Out of State	22	Perry	15

County	Plant Health Samples Submitted	County	Plant Health Samples Submitted
Phillips	23	Pike	4
Poinsett	18	Polk	1
Pope	50	Prairie	24
Pulaski	427	Randolph	4
Saline	175	Searcy	12
Sebastian	58	Sevier	5
Sharp	14	St. Francis	20
Stone	14	Union	3
Van Buren	7	Washington	208
White	87	Woodruff	2
Plant Health Total			3061

Pests

3 - Anthracnose, *Colletotrichum acutatum*

Confirmed: 2

Suspected: 1

6 - Anthracnose, *Colletotrichum fragariae*

Confirmed: 5

Suspected: 1

3 - Anthracnose, *Colletotrichum orbiculare*

Confirmed: 3

1 - Azalea anthracnose, *Colletotrichum azaleae*

Confirmed: 1

1 - Anthracnose, *Discula fraxinea*

Confirmed: 1

7 - Anthracnose, *Discula quercina*

Confirmed: 7

1 - Dogwood anthracnose, *Discula destructiva*

Confirmed: 1

8 - Anthracnose, *Elsinoe* sp./spp.

Confirmed: 7

Suspected: 1

1 - Anthracnose, *Gnomonia caryae*

- Confirmed: 1
- 2 - Anthracnose; Black spot, *Stegophora* (*Gnomonia*) *ulmea*
Confirmed: 2
- 4 - Anthracnose, *Colletotrichum* *graminicola*
Confirmed: 4
- 1 - Spot anthracnose, *Elsinoe* *quercus-falcatae*
Confirmed: 1
- 1 - Anthracnose fruit rot, *Colletotrichum* *acutatum*
Confirmed: 1
- 3 - Ascochyta blight, *Ascochyta* sp./spp.
Confirmed: 3
- 8 - Botrytis blight, *Botrytis* sp./spp.
Confirmed: 6
Suspected: 2
- 11 - Brown rot, *Monilia* sp./spp.
Confirmed: 11
- 1 - Azalea flower blight, *Ovulinia* *azaleae*
Confirmed: 1
- 18 - Brown patch, *Rhizoctonia* sp./spp.
Confirmed: 18
- 33 - Fire blight, *Erwinia* *amylovora*
Confirmed: 31
Suspected: 2
- 2 - Gummy stem blight, *Didymella* sp./spp.
Confirmed: 2
- 23 - Late blight, *Phytophthora* *infestans*
Confirmed: 20
Suspected: 3
- 1 - Sirococcus needle blight, *Sirococcus* sp./spp.
Confirmed: 1
- 26 - Spring dead spot, *Ophiosphaerella* sp./spp.
Confirmed: 26

- 17 - Rhizosphaera needle cast, Rhizosphaera sp./spp.
Confirmed: 16
Suspected: 1
- 1 - Juniper needle cast, Stigmina deflectans
Suspected: 1
- 1 - Oak twig blight, Coryneum kunzei
Confirmed: 1
- 2 - Needle dieback, Phyllosticta sp./spp.
Confirmed: 2
- 2 - Bacterial panicle blight, Burkholderia sp./spp.
Confirmed: 2
- 10 - Bacterial blight, Pseudomonas syringae syringae
Confirmed: 10
- 1 - Soybean bacterial blight, Pseudomonas syringae pv. glycinea
Confirmed: 1
- 2 - Bacterial blight, Xanthomonas sp./spp.
Confirmed: 2
- 1 - Bipolaris spot blotch, Bipolaris sp./spp.
Confirmed: 1
- 1 - Eutypella canker dieback, Eutypella parasitica
Confirmed: 1
- 1 - Fusarium canker, Fusarium sp./spp.
Suspected: 1
- 2 - Canker, Hypoxylon sp./spp.
Suspected: 2
- 2 - Leucostoma canker, Leucostoma sp./spp.
Confirmed: 1
Suspected: 1
- 2 - Macrophoma canker, Macrophoma sp./spp.
Confirmed: 2
- 2 - Maple canker, Stegonsporium sp./spp.

Confirmed: 2

14 - Cypress canker, *Seiridium cardinale*

Confirmed: 12

Suspected: 2

1 - Dieback; Canker, *Nectria* sp./spp.

Confirmed: 1

8 - Dieback; Canker, *Seiridium* sp./spp.

Confirmed: 8

1 - Pestalotia dieback, *Pestalotia* sp./spp.

Confirmed: 1

1 - Deep bark canker, *Erwinia rubrifaciens*

Confirmed: 1

4 - Rose brown canker, *Cryptosporella umbrina*

Confirmed: 4

1 - Dead arm disease, *Eutypa* (*Libertella*) *armeniaca* (*blepharis*)

Suspected: 1

1 - Twig dieback, *Pseudomonas syringae*

Confirmed: 1

24 - Bacterial canker, *Clavibacter michiganensis michiganensis*

Confirmed: 24

3 - Bacterial canker, *Pseudomonas syringae*

Confirmed: 2

Suspected: 1

18 - Bacterial canker, *Pseudomonas syringae syringae*

Confirmed: 6

Suspected: 12

2 - Crown gall, *Agrobacterium tumefaciens*

Confirmed: 2

1 - Oak leaf blister, *Taphrina caerulescens*

Confirmed: 1

4 - Peach leaf curl, *Taphrina deformans*

Confirmed: 4

- 6 - Camellia leaf gall, *Exobasidium camelliae*
Confirmed: 6

- 2 - Potato common scab, *Streptomyces scabies*
Confirmed: 2

- 9 - Apple scab, *Venturia (Spilocaea) inaequalis (pomi)*
Confirmed: 8
Suspected: 1

- 1 - Soybean bacterial pustule, *Xanthomonas campestris* pv. *glycines*
Confirmed: 1

- 1 - Potato powdery scab, *Spongospora subterranea*
Confirmed: 1

- 1 - Popcorn disease, *Ciboria carunculoides*
Confirmed: 1

- 5 - Cucurbit downy mildew, *Pseudoperonospora cubensis*
Confirmed: 5

- 1 - Downy mildew, *Plasmopara obducens*
Confirmed: 1

- 4 - Powdery mildew, *Erysiphe* sp./spp.
Confirmed: 4

- 9 - Powdery mildew, *Erysiphe lagerstroemiae*
Confirmed: 9

- 1 - Powdery mildew, *Phyllactinia* sp./spp.
Confirmed: 1

- 1 - Powdery mildew, *Podosphaera* sp./spp.
Confirmed: 1

- 1 - Powdery mildew, *Sphaerotheca* sp./spp.
Confirmed: 1

- 1 - Peach powdery mildew, *Sphaerotheca pannosa*
Confirmed: 1

- 1 - Powdery mildew, *Podosphaera (Sphaerotheca) macularis*
Confirmed: 1

- 1 - Dutch elm disease, *Ophiostoma ulmi*
Confirmed: 1

- 3 - Fusarium wilt, *Fusarium oxysporum*
Confirmed: 2
Suspected: 1

- 3 - Mimosa wilt, *Fusarium oxysporum perniciosum*
Confirmed: 1
Suspected: 2

- 1 - Clematis wilt; Leaf spot, *Phoma clematidina*
Confirmed: 1

- 34 - Verticillium wilt, *Verticillium sp./spp.*
Confirmed: 11
Not Detected: 1
Suspected: 22

- 1 - Verticillium wilt, *Verticillium dahliae*
Confirmed: 1

- 1 - Bird's nest fungus, *Cyathus sp./spp.*
Suspected: 1

- 1 - Peach bacterial gummosis, *Pseudomonas syringae*
Confirmed: 1

- 8 - Cucurbit bacterial wilt, *Erwinia tracheiphila*
Confirmed: 6
Suspected: 2

- 1 - Cladosporium mold, *Cladosporium sp./spp.*
Confirmed: 1

- 2 - White mold (Stem rot), *Sclerotinia sclerotiorum*
Confirmed: 2

- 4 - Bitter rot, *Colletotrichum sp./spp.*
Confirmed: 4

- 1 - Bitter rot, *Greeneria uvicola*
Confirmed: 1

- 2 - Black rot, *Xanthomonas campestris*

Confirmed: 2

2 - Charcoal rot, *Macrophomina* sp./spp.

Confirmed: 1

Suspected: 1

20 - Charcoal rot, *Macrophomina phaseolina*

Confirmed: 20

1 - Fusarium root rot, *Fusarium* sp./spp.

Confirmed: 1

2 - Root rot, *Ganoderma* sp./spp.

Confirmed: 2

11 - Rhizoctonia root rot, *Rhizoctonia* sp./spp.

Confirmed: 11

1 - Colletotrichum stem decay, *Colletotrichum* sp./spp.

Confirmed: 1

1 - Rhizoctonia stem rot, *Rhizoctonia* sp./spp.

Confirmed: 1

1 - Helminthosporium root rot, *Helminthosporium* sp./spp.

Confirmed: 1

128 - Crown and root rot, *Phytophthora* sp./spp.

Confirmed: 91

Suspected: 37

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

Confirmed: 1

1 - Bacterial stalk and top rot, *Erwinia carotovora carotovora*

Confirmed: 1

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

Confirmed: 5

1 - Pythium fruit rot; Cottony leak, *Pythium* sp./spp.

Confirmed: 1

2 - Wood rot fungus, *Ganoderma* sp./spp.

Confirmed: 1

Suspected: 1

- 1 - Wood rot fungus, *Phellinus* sp./spp.
Confirmed: 1
- 2 - Bacterial stalk rot, *Erwinia* sp./spp.
Confirmed: 2
- 1 - Bacterial soft rot, *Erwinia* sp./spp.
Confirmed: 1
- 1 - Crucifer bacterial black rot, *Xanthomonas campestris*
Confirmed: 1
- 10 - Rust, *Gymnosporangium* sp./spp.
Confirmed: 10
- 1 - Australasian soybean rust, *Phakopsora pachyrhizi*
Confirmed: 1
- 4 - Rhizoctonia damping off, *Rhizoctonia* sp./spp.
Confirmed: 3
Suspected: 1
- 2 - Smut, *Ustilago* sp./spp.
Confirmed: 1
Suspected: 1
- 1 - Paspalum; Dallisgrass ergot, *Claviceps paspali*
Suspected: 1
- 27 - Cucurbit angular leaf spot, *Pseudomonas syringae* pv. *lachrymans*
Confirmed: 27
- 1 - Angular leaf spot, *Xanthomonas* sp./spp.
Confirmed: 1
- 3 - Cotton angular leaf spot, *Xanthomonas campestris* pv. *malvacearui*
Confirmed: 3
- 1 - Strawberry Angular Leaf Spot; A, *Xanthomonas fragariae*
Confirmed: 1
- 1 - Anthracnose black spot, *Colletotrichum acutatum*
Confirmed: 1
- 10 - Black spot (Rose), *Diplocarpon* (*Marssonina*) *rosae*

Confirmed: 9

Suspected: 1

2 - Flyspeck, *Schizothyrium* (ana. *Zygophiala*) *pomi* (*jamaicensis*)

Confirmed: 2

4 - Soybean frog-eye leaf spot, *Cercospora* *sojina*

Confirmed: 4

1 - Corn gray leaf spot, *Cercospora* *zeae-maydis*

Confirmed: 1

1 - Gray leaf spot, *Stemphylium* *botryosum*

Confirmed: 1

2 - *Alternaria* leaf spot, *Alternaria* sp./spp.

Confirmed: 2

2 - *Ascochyta* leaf spot, *Ascochyta* sp./spp.

Confirmed: 2

15 - *Cercospora* leaf spot, *Cercospora* sp./spp.

Confirmed: 15

1 - *Coniothyrium* leaf spot, *Coniothyrium* sp./spp.

Confirmed: 1

1 - *Corynespora* leaf spot, *Corynespora* *cassiicola*

Confirmed: 1

1 - *Cercospora* leaf spot, *Cercospora* *citrullina*

Confirmed: 1

1 - Brown stripe, *Scolecotrichum* *graminis*

Confirmed: 1

2 - Leaf spot, *Cercospora* *zinniae*

Confirmed: 2

1 - Fungal leaf spot, *Cercospora* *hydrangeae*

Confirmed: 1

3 - *Helminthosporium* leaf spot, *Drechslera* sp./spp.

Confirmed: 3

5 - *Entomosporium* leaf spot, *Entomosporium* sp./spp.

Confirmed: 5

1 - Leaf spot, *Guignardia* sp./spp.

Confirmed: 1

1 - *Phomopsis* leaf spot, *Phomopsis* sp./spp.

Confirmed: 1

6 - *Phyllosticta* leaf spot, *Phyllosticta* sp./spp.

Confirmed: 6

3 - Maple leaf spot, *Phyllosticta minima*

Confirmed: 3

1 - *Septoria* leaf spot, *Septoria* sp./spp.

Confirmed: 1

1 - Dogwood leaf spot, *Septoria cornicola*

Confirmed: 1

14 - Leaf spot, *Tubakia dryina*

Confirmed: 14

1 - Nailhead spot, *Alternaria* tomato

Confirmed: 1

1 - Algal leaf spot, *Cephaleuros virescens*

Confirmed: 1

9 - *Coryneum* blight (Shot hole), *Wilsonomyces* (*Stigmina*) *carpophilus* (*carpophila*)

Confirmed: 8

Suspected: 1

52 - Tomato bacterial speck, *Pseudomonas* tomato

Confirmed: 49

Suspected: 3

1 - Tar spot, *Phacidium* sp./spp.

Confirmed: 1

11 - Soybean target spot, *Corynespora cassiicola*

Confirmed: 11

1 - Leaf streak, *Cercosporidium* sp./spp.

Confirmed: 1

- 1 - Bacterial leaf streak, *Xanthomonas* sp./spp.
Confirmed: 1
- 1 - Sorghum bacterial leaf streak, *Xanthomonas campestris* pv. *holcicola*
Confirmed: 1
- 4 - White spot, *Cercospora* sp./spp.
Confirmed: 3
Suspected: 1
- 1 - Bacterial leaf spot, *Xanthomonas campestris* pv. *maculifoliigard*
Confirmed: 1
- 7 - Bacterial leaf spot, *Pseudomonas* sp./spp.
Confirmed: 7
- 2 - Bacterial leaf spot, *Pseudomonas cichorii*
Confirmed: 2
- 6 - Bacterial leaf spot, *Pseudomonas syringae*
Confirmed: 6
- 2 - Bacterial leaf spot, *Xanthomonas campestris campestris*
Confirmed: 2
- 2 - Ivy bacterial leaf spot, *Xanthomonas campestris* pv. *hederae*
Confirmed: 2
- 18 - Bacterial leaf spot, *Xanthomonas campestris pruni*
Confirmed: 17
Suspected: 1
- 1 - Lettuce bacterial leaf spot, *Xanthomonas campestris* pv. *vitians*
Confirmed: 1
- 4 - Bean brown spot blight, *Pseudomonas syringae*
Confirmed: 4
- 3 - Cucumber Mosaic, Cucumber Mosaic Virus (CMV)
Confirmed: 3
- 1 - Hosta Virus X, Hosta Virus X (HVX)
Confirmed: 1
- 2 - Squash Mosaic, Squash Mosaic Virus (SQMV)
Confirmed: 2

3 - Tobacco Mosaic, Tobacco Mosaic Virus (TMV)
Confirmed: 3

8 - Mites, Order Acari
Confirmed: 8

1 - Eriophyid mites, Family Eriophyidae
Confirmed: 1

1 - Bermudagrass mite, *Eriophyes cynodoniensis*
Confirmed: 1

1 - Baldcypress rust mite, *Epitrimerus taxodii*
Confirmed: 1

1 - Pearleaf blister mite, *Eriophyes pyri*
Confirmed: 1

5 - Broad mite, *Polyphagotarsonemus latus*
Confirmed: 5

1 - False spider mite, *Pentamerismus erythreus*
Confirmed: 1

44 - Spider mites, Family Tetranychidae
Confirmed: 42
Suspected: 2

2 - Pecan leaf scorch mite, *Eotetranychus hickoriae*
Confirmed: 2

1 - Flathead; Metallic wood borers, Family Buprestidae
Suspected: 1

1 - Rednecked cane borer, *Agrilus ruficollis*
Confirmed: 1

1 - Flatheaded appletree borer, *Chrysobothris femorata*
Suspected: 1

1 - Cerambycid beetles, Family Cerambycidae
Confirmed: 1

1 - Soybean stem borer, *Dectes texanus*
Confirmed: 1

- 6 - Flea beetles, Subfamily Alticinae
Confirmed: 5
Suspected: 1
- 1 - Potato flea beetle, *Epitrix cucumeris*
Confirmed: 1
- 1 - Eggplant flea beetle, *Epitrix fuscula*
Confirmed: 1
- 1 - Colorado potato beetle, *Leptinotarsa decemlineata*
Confirmed: 1
- 1 - Cucumber beetle, *Acalymma* sp./spp.
Suspected: 1
- 1 - Cowpea Curculio, *Chalcodermus aeneus*
Confirmed: 1
- 11 - Plum Curculio, *Conotrachelus nenuphar*
Confirmed: 9
Suspected: 2
- 3 - Pecan weevil, *Curculio caryae*
Confirmed: 3
- 1 - White grubs (Scarab beetles), Family Scarabaeidae
Confirmed: 1
- 2 - May beetles, Family Scarabaeidae
Suspected: 2
- 1 - Sorghum midge, *Contarinia sorghicola*
Confirmed: 1
- 1 - Rose midge, *Dasineura rhodophaga*
Confirmed: 1
- 3 - Boxwood leafminer, *Monarthropalpus flavus* (buxi)
Confirmed: 3
- 1 - Cypress twig gall midge, *Taxodiomyia cupressiananassa*
Confirmed: 1
- 1 - Apple maggot (AM), *Rhagoletis pomonella*

Confirmed: 1

1 - Large milkweed bug, *Oncopeltus fasciatus*

Confirmed: 1

8 - Stink bugs, Family Pentatomidae

Confirmed: 5

Suspected: 3

1 - Rice stink bug, *Oebalus pugnax*

Confirmed: 1

2 - Lace bugs, Family Tingidae

Confirmed: 2

1 - Oak lace bug, *Corythucha arcuata*

Confirmed: 1

5 - Azalea lace bug, *Stephanitis pyrioides*

Confirmed: 5

1 - Lantana lace bug, *Teleonemia scrupulosa*

Confirmed: 1

9 - Whiteflies, Family Aleyrodidae

Confirmed: 9

10 - Aphids (Plant lice), Family Aphididae

Confirmed: 10

1 - Woolly apple aphid, *Eriosoma lanigerum*

Confirmed: 1

1 - Aphis aphids, *Aphis* sp./spp.

Confirmed: 1

1 - Daylily aphid, *Myzus hemerocallis*

Confirmed: 1

1 - Duskyveined walnut aphid, *Panaphis juglandis*

Confirmed: 1

1 - Wax scale, *Ceroplastes* sp./spp.

Confirmed: 1

1 - Lecanium scales, *Lecanium* sp./spp.

- Confirmed: 1
- 2 - Armored scales, Family Diaspididae
Confirmed: 2
- 1 - Holly scale, *Dynaspidotus britannicus*
Confirmed: 1
- 1 - Tea scale, *Fiorinia theae*
Suspected: 1
- 1 - Camellia scale, *Lepidosaphes camelliae*
Confirmed: 1
- 1 - White peach scale, *Pseudaulacaspis pentagona*
Confirmed: 1
- 8 - Euonymus scale, *Unaspis euonymi*
Confirmed: 8
- 3 - Azalea bark scale, *Eriococcus azaleae*
Confirmed: 3
- 2 - Flatid planthoppers, Family Flatidae
Confirmed: 1
Suspected: 1
- 2 - Groundpearls, *Margarodes* sp./spp.
Confirmed: 2
- 1 - Cottony cushion scale, *Icerya purchasi*
Confirmed: 1
- 1 - Pecan Phylloxera, *Phylloxera devastatrix*
Confirmed: 1
- 4 - Pecan leaf Phylloxera, *Phylloxera notabilis*
Confirmed: 4
- 1 - Grape Phylloxera, *Daktulosphaira vitifoliae*
Confirmed: 1
- 1 - Hickory leaf stem gall aphid, *Phylloxera caryaecaulis*
Confirmed: 1
- 1 - Mealybugs, Family Pseudococcidae

Confirmed: 1

1 - Oak bullet gall wasp, *Disholcaspis globulus*

Confirmed: 1

3 - Gouty oak gall wasp, *Callirhytis quercus*

Confirmed: 3

1 - Roly poly oak gall, *Andricus palytes*

Confirmed: 1

1 - Roseslug, *Endelomyia aethiops*

Confirmed: 1

1 - Solitary oak leafminer, *Cameraria hamadryadella*

Confirmed: 1

1 - Cutworms, Family Noctuidae

Suspected: 1

1 - Fall armyworm (FAw), *Spodoptera frugiperda*

Confirmed: 1

3 - Bagworm moths, Family Psychidae

Confirmed: 3

2 - Lesser canna leafroller, *Geshna cannalis*

Confirmed: 2

1 - Sweetgum leaf-tier, *Nephoterix uvinella*

Confirmed: 1

4 - Clearwing borers, Family Sesiidae

Confirmed: 3

Suspected: 1

4 - Dogwood borer (DwB), *Synanthedon scitula*

Confirmed: 2

Suspected: 2

1 - Tomato hornworm, *Manduca quinquemaculata*

Confirmed: 1

1 - Oriental fruit moth (OFM), *Grapholita molesta*

Suspected: 1

- 2 - Hickory shuckworm (HSw), *Cydia caryana*
Confirmed: 2
- 2 - Soybean cyst nematode (SCN), *Heterodera glycines*
Confirmed: 2
- 1 - Woolly Croton, *Croton capitatus*
Confirmed: 1
- 1 - Hairy crabweed; *Fatoua*, *Fatoua villosa*
Confirmed: 1
- 1 - Meadow spikemoss, *Selaginella apoda*
Suspected: 1
- 7 - Algae, General
Confirmed: 7
- 2 - Lichens, Lichenes
Confirmed: 2
- 13 - Chemical injury, Abiotic disorder
Not Detected: 1
Suspected: 12
- 38 - Chemical; Environmental injury, Abiotic disorder
Suspected: 38
- 116 - Herbicide injury; Exposure, Abiotic disorder
Confirmed: 20
Suspected: 96
- 7 - Herbicide drift, Abiotic disorder
Confirmed: 3
Suspected: 4
- 20 - Glyphosate injury, Abiotic disorder
Confirmed: 7
Suspected: 13
- 1 - Animal damage, Abiotic disorder
Confirmed: 1
- 1 - Poor growing conditions, Abiotic disorder
Confirmed: 1

- 1 - Sunlight-induced pathology, Abiotic disorder
Confirmed: 1
- 1 - Insufficient light, Abiotic disorder
Suspected: 1
- 10 - Sunscald, Abiotic disorder
Suspected: 10
- 4 - Nutritional pathology, Abiotic disorder
Suspected: 4
- 8 - Nutritional deficiency, Abiotic disorder
Suspected: 8
- 2 - Nutrient imbalance, Abiotic disorder
Suspected: 2
- 1 - Low pH damage, Abiotic disorder
Suspected: 1
- 3 - High pH damage, Abiotic disorder
Confirmed: 1
Suspected: 2
- 1 - Wind damage, Abiotic disorder
Suspected: 1
- 7 - Scorch, Abiotic disorder
Confirmed: 3
Suspected: 4
- 1 - Environmental stress; Problem, Abiotic disorder
Suspected: 1
- 6 - Drought stress damage, Abiotic disorder
Confirmed: 1
Suspected: 5
- 1 - Transplant shock; Stress, Abiotic disorder
Suspected: 1
- 21 - Oedema; Edema, Abiotic disorder
Confirmed: 21
- 1 - Burls; Adventitious growth, Abiotic disorder

Confirmed: 1

18 - Natural senescence, Abiotic disorder

Confirmed: 11

Suspected: 7

1 - Needle dessication, Abiotic disorder

Confirmed: 1

2 - Root problems, Abiotic disorder

Suspected: 2

1 - Tatters, Abiotic disorder

Confirmed: 1

3 - Potassium deficiency, Abiotic disorder

Suspected: 3

6 - Magnesium deficiency, Abiotic disorder

Confirmed: 4

Suspected: 2

1 - Phosphorus deficiency, Abiotic disorder

Confirmed: 1

1 - Boron toxicity, Abiotic disorder

Suspected: 1

1 - Manganese toxicity, Abiotic disorder

Suspected: 1

26 - Excessive water, Abiotic disorder

Confirmed: 5

Suspected: 21

1 - Hail damage, Abiotic disorder

Suspected: 1

5 - Blossom end rot, Abiotic disorder

Confirmed: 5

1 - Poor pollination, Abiotic disorder

Confirmed: 1

12 - Septoria leaf blight, *Septoria lycopersici*

Confirmed: 10

Suspected: 2

1 - Phytophthora canker, *Phytophthora* sp./spp.
Suspected: 1

1 - Bacterial fasciation, *Rhodococcus fascians*
Suspected: 1

1 - Cercospora needle blight, *Cercospora* sp./spp.
Confirmed: 1

2 - Bacterial wilt, *Ralstonia solanacearum*
Confirmed: 1
Suspected: 1

1 - Phytophthora bud rot, *Phytophthora* sp./spp.
Suspected: 1

5 - Bacterial wetwood; Slime flux, Various Pathogens
Confirmed: 4
Suspected: 1

1 - Butt rot, *Botryosphaeria* sp./spp.
Confirmed: 1

17 - Viruses, Viruses
Not Detected: 16
Suspected: 1

1 - Bumblebee, *Bombus* sp./spp.
Confirmed: 1

5 - Yellow-bellied sapsucker, *Sphyrapicus varius*
Confirmed: 5

6 - Dogwood powdery mildew, *Erysiphe pulchra*
Confirmed: 6

2 - Tar spot, *Phyllachora* sp./spp.
Confirmed: 2

2 - Spot anthracnose, *Elsinoe* (ana. *Sphaceloma*) *rosarum*
Confirmed: 2

3 - Phomopsis canker and twig blight, *Diaporthe* (*Phomopsis*) *vaccinii*
Confirmed: 3

- 1 - Poplar; Willow Cytospora canker, *Valsa (Cytospora) sordida (chrysosperma)*
Confirmed: 1

- 6 - Pitch canker, *Gibberella (Fusarium) sp./spp.*
Confirmed: 5
Suspected: 1

- 1 - Scab, *Sphaceloma (tel. Elsinoe) poinsettiae*
Confirmed: 1

- 3 - Oak powdery mildew, *Erysiphe (Oidium) alphitoides*
Confirmed: 3

- 6 - Powdery mildew, *Sphaerotheca pannosa*
Confirmed: 6

- 7 - Phytophthora stem rot, *Phytophthora nicotianae var. parasitica*
Confirmed: 7

- 1 - White root rot, *Scytinostroma (Corticium) galactinum*
Confirmed: 1

- 3 - Cedar-quince rust, *Gymnosporangium clavipes*
Confirmed: 3

- 1 - Pestalotia leaf blight, *Pestalotia cryptomeriae*
Confirmed: 1

- 14 - Septoria leaf spot, *Septoria lycopersici*
Confirmed: 11
Suspected: 3

- 1 - Bacterial leaf spot, Unidentified Bacteria
Suspected: 1

- 1 - Rose Mosaic, Prunus Necrotic Ringspot Virus (PNRSV)
Confirmed: 1

- 2 - Phytotoxicity, Abiotic disorder
Confirmed: 1
Suspected: 1

- 2 - Yellow tuft, *Sclerophthora (Phytophthora) macrospora*
Confirmed: 2

- 1 - Freeze; Frost; Cold damage, Abiotic disorder
Suspected: 1
- 1 - Watermelon Fusarium wilt, *Fusarium oxysporum* f.sp. *niveum*
Confirmed: 1
- 1 - Viburnum bacterial blight, *Pseudomonas syringae* pv. *viburnii*
Confirmed: 1
- 2 - Bacterial blight, *Dickeya* (*Erwinia*) *chrysanthemi*
Confirmed: 2
- 2 - Anthracnose; *Colletotrichum* leaf spot, *Colletotrichum* sp./spp.
Confirmed: 2
- 7 - Early blight; Leaf spot, *Alternaria solani*
Confirmed: 7
- 3 - *Cytospora* canker; Dieback, *Cytospora* sp./spp.
Confirmed: 2
Suspected: 1
- 4 - Dieback; Canker; Twig blight, *Botryosphaeria* sp./spp.
Confirmed: 4
- 1 - Scab, *Venturia* sp./spp.
Confirmed: 1
- 1 - Rust mites, Order acari
Confirmed: 1
- 1 - Thrips, Order thysanoptera
Confirmed: 1
- 29 - Scale insects, Order homoptera
Confirmed: 29
- 1 - Hymenopterans, Order hymenoptera
Confirmed: 1
- 5 - Grape anthracnose; Birds-eye rot, *Elsinoe* (*Sphaceloma*) *ampelina* (*ampelinum*)
Confirmed: 5
- 5 - Spot anthracnose, *Elsinoe corni*
Confirmed: 5

3 - Boxwood *Macrophoma* leaf spot, *Dothiorella* (*Macrophoma*) *sempervirens* (*candollei*)

Confirmed: 3

1 - Stem canker, *Colletotrichum* (teleo. *Glomerella*) sp./spp.

Confirmed: 1

1 - Tar spot of oak, *Trabutia quercina*

Confirmed: 1

148 - Take all, *Gaeumannomyces graminis* var. *avenae*

Confirmed: 145

Suspected: 3

6 - Purple seed-stain; Leaf blight, *Cercospora kikuchii*

Confirmed: 6

3 - Kabatina tip blight; Needle blight, *Kabatina juniperi*

Confirmed: 3

1 - Wood rot fungus; *Dryadeus* root rot, *Inonotus dryadeus*

Confirmed: 1

1 - Cedar-hawthorn rust, *Gymnosporangium globosum*

Confirmed: 1

4 - Cedar-apple rust, *Gymnosporangium juniperi-virginianae*

Confirmed: 4

7 - *Curvularia* blight; Leaf spot, *Curvularia* sp./spp.

Confirmed: 7

2 - Apple twig blight;; dieback; Canker, *Botryosphaeria obtusa*

Confirmed: 2

19 - *Pestalotiopsis* needle blight; Tip blight, *Pestalotiopsis* sp./spp.

Confirmed: 19

5 - Brown Spot ; Needle Blight, *Mycosphaerella dearnessii*

Confirmed: 5

1 - Rose downy mildew, *Peronospora sparsa*

Not Detected: 1

5 - Leaf spot, *Pestalotiopsis* (*Pestalotia*) sp./spp.

Confirmed: 5

- 1 - Lophodermium leaf spot; Needle cast, Lophodermium sp./spp.
Confirmed: 1
- 3 - Black measles; Esca, Phaeomoniella chlamydospora
Confirmed: 2
Suspected: 1
- 1 - Shoot blight; Twig dieback, Sirococcus tsugae
Confirmed: 1
- 8 - Mallow rust; Hollyhock rust, Puccinia malvacearum
Confirmed: 8
- 1 - Potyvirus Group, Potyvirus Group
Confirmed: 1
- 4 - Bacterial wilt; Canker; Rot, Clavibacter michiganensis
Confirmed: 4
- 33 - Pythium blight; Cottony blight, Pythium sp./spp.
Confirmed: 33
- 2 - Spur blight, Didymella (Phoma) applanata (rubicola)
Confirmed: 2
- 226 - Large Patch, Thanatephorus (Rhizoctonia) cucumeris (solani)
Confirmed: 224
Suspected: 2
- 4 - Phomopsis tip blight; Needle blight, Phomopsis juniperovora
Confirmed: 4
- 24 - Hypoxylon canker, Entoleuca (Hypoxylon) mammata (blakei)
Confirmed: 16
Suspected: 8
- 14 - Phomopsis dieback; Tip blight; Canker, Phomopsis sp./spp.
Confirmed: 14
- 1 - Cane canker, Coniothyrium (Diapleella) fuckelli (coniothyrium)
Confirmed: 1
- 47 - Pythium root and/or crown rot, Pythium sp./spp.
Confirmed: 45
Suspected: 2

- 8 - Soybean Phytophthora root and stem rot, *Phytophthora sojae*
Confirmed: 8

- 1 - Phymatotrichum root rot, *Phymatotrichopsis (Phymatotrichum) omnivora* (omnivorum)
Confirmed: 1

- 1 - Stem and crown rot, *Phytophthora nicotianae*
Confirmed: 1

- 2 - Sheath blight, *Rhizoctonia sp./spp.*
Confirmed: 2

- 4 - Corn bacterial stalk rot, *Erwinia (Pectobacterium) chrysanthemi* and *dissolvens*
Confirmed: 4

- 3 - Southern corn rust, *Puccinia polysora*
Confirmed: 2
Not Detected: 1

- 1 - Aster rust; Rust, *Puccinia cnici-olearacei (asteris)*
Confirmed: 1

- 11 - Rust; Leaf rust, *Puccinia zoysiae*
Confirmed: 11

- 1 - Bramble leaf rust; Blackberry leaf rust, *Phragmidium violaceum*
Confirmed: 1

- 11 - Pythium damping off, *Pythium sp./spp.*
Confirmed: 10
Suspected: 1

- 3 - Leaf spot, *Diplocarpon (Entomosporium) mespili (maculata)*
Confirmed: 3

- 11 - Tomato; Pepper bacterial spot, *Xanthomonas campestris pv. vesicatoria*
Confirmed: 10
Suspected: 1

- 2 - *Rhizoctonia foliar/ aerial/ web blight, Rhizoctonia solani*
Confirmed: 2

- 6 - Soybean sudden death syndrome, *Fusarium virguliforme*
Confirmed: 4

Suspected: 2

1 - Yellow shoulder; Water imbalance, Abiotic disorder
Confirmed: 1

2 - Balling, Abiotic disorder
Confirmed: 2

7 - Boxwood Volutella blight; Canker, Volutella buxi
Confirmed: 6
Suspected: 1

2 - Canker, Unidentified Agent
Suspected: 2

1 - Heart rot, Unidentified Agent
Suspected: 1

2 - Root rot, Various Fungi
Suspected: 2

83 - Root rot, Unidentified Agent
Confirmed: 1
Not Detected: 1
Suspected: 81

2 - Rust, Unidentified Fungus
Confirmed: 2

1 - Wire Stem; Belly Rot, Thanatephorus (Rhizoctonia) cucumeris (solani)
Confirmed: 1

25 - Insect damage, Unidentified Insect
Confirmed: 21
Suspected: 4

2 - Cicada egg-laying injury, Unidentified Cicada
Confirmed: 2

5 - Mite damage, Unidentified Mite
Confirmed: 4
Suspected: 1

2 - No virus found, No Virus Found
Confirmed: 2

2 - Insect gall, Insect Gall
Confirmed: 2

75 - Insufficient sample, Identification Analysis
Confirmed: 74
Inconclusive: 1

1 - Additional sample requested, Identification Analysis
Confirmed: 1

6 - Adequate sample, Identification Analysis
Confirmed: 6

1 - Aster yellows Phytoplasma, Candidatus Phytoplasma asteris
Confirmed: 1

1 - Powdery mildew, Unidentified Fungus
Confirmed: 1

2 - Leaf spot, Tubakia sp./spp.
Confirmed: 2

1 - Purple nutsedge, Cyperus rotundus
Confirmed: 1

1 - Thrips damage, Unidentified Thrips
Confirmed: 1

36 - , Abiotic disorder
Confirmed: 8
Suspected: 28

1 - , Asperisporium caricae
Confirmed: 1

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

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

1 - , Cercospora gossypina
Confirmed: 1

6 - , Cercospora hydrangeae
Confirmed: 6

- 3 - , Cucumber Mosaic Virus (CMV)
Confirmed: 3
- 1 - , Diaporthe phaseolorum
Confirmed: 1
- 1 - , Drechslera (Helminthosporium) sp./spp.
Confirmed: 1
- 1 - , Environmental Stresses
Confirmed: 1
- 11 - , Identification Analysis
Confirmed: 5
Inconclusive: 2
Suspected: 4
- 1 - , Mycosphaerella sp./spp.
Suspected: 1
- 1 - , Nandina Mosaic Virus (NaMV)
Confirmed: 1
- 3 - , No Pathogen Found
Confirmed: 3
- 1 - , Perilla frutescens
Confirmed: 1
- 1 - , Pestalotiopsis (Pestalotia) sp./spp.
Confirmed: 1
- 1 - , Phoma sp./spp.
Confirmed: 1
- 1 - , Pythium sp./spp.
Confirmed: 1
- 1 - , Ramulispora sorghi
Confirmed: 1
- 1 - , Scymnus sp./spp.
Confirmed: 1
- 1 - , Unidentified Canker

- Confirmed: 1
- 1 - , Viruses
Suspected: 1
- 1 - , Wheat Soil-borne Mosaic Virus (WSBMV)
Confirmed: 1
- 2 - Arborvitae needle blight, *Phyllosticta thujae*
Confirmed: 2
- 2 - Stripe rust; Yellow rust, *Puccinia striiformis* var. *striiformis*
Confirmed: 2
- 2 - Rust, *Puccinia cynodontis*
Confirmed: 2
- 1 - Bacterial blight, Unidentified Bacteria
Confirmed: 1
- 1 - Woolly oak aphid, *Stegophylla essigi*
Confirmed: 1
- 1 - Fertilizer injury, Abiotic disorder
Suspected: 1
- 1 - Seed rot; Damping off; Seedling blight, *Pythium* sp./spp.
Confirmed: 1
- 62 - No pathogen found, Identification Analysis
Confirmed: 59
Inconclusive: 3
- 4 - Anthracnose stem blight, *Colletotrichum* sp./spp.
Confirmed: 4
- 14 - Southern blight, *Sclerotium rolfsii*
Confirmed: 13
Suspected: 1
- 1 - , *Phomopsis longicolla*
Confirmed: 1
- 1 - Seed decay, *Phomopsis longicolla*
Confirmed: 1

- 2 - Greenbug, *Schizaphis graminum*
Confirmed: 2
- 1 - Eutypella canker, *Eutypella* sp./spp.
Confirmed: 1
- 51 - Crown rot; Root rot; Stem rot, *Phytophthora* sp./spp.
Confirmed: 37
Suspected: 14
- 5 - Root-knot nematodes, *Meloidogyne* sp./spp.
Confirmed: 5
- 2 - Bacterial fruit blotch, *Acidovorax avenae citrulli*
Confirmed: 2
- 6 - Jumping oak gall wasp, *Neuroterus saltatorius*
Confirmed: 6
- 1 - , *Seimatosporium* sp./spp.
Confirmed: 1
- 1 - Leaf spot, *Seimatosporium* sp./spp.
Confirmed: 1
- 1 - Sooty blotch flyspeck complex, Various Fungi
Confirmed: 1
- 8 - Crapemyrtle scale, *Eriococcus lagerstroemiae*
Confirmed: 8
- 1 - Powdery mildew, *Podosphaera* (*Sphaerotheca*) *fuliginea*
Confirmed: 1
- 1 - Bacterial shot hole, *Pseudomonas syringae*
Confirmed: 1
- 3 - , *Phyllosticta* (*Guignardia*) *ampellicida* (*bidwellii*)
Confirmed: 3
- 1 - Leaf spot, *Phyllosticta* (*Guignardia*) *ampellicida* (*bidwellii*) (f. *parthenocissi*)
Confirmed: 1
- 1 - , *Xanthomonas cucurbitae* (*campestris*)
Confirmed: 1

- 8 - Roseslug, *Endelomyia* sp./spp.
Confirmed: 8
- 4 - Normal plant growth, Identification Analysis
Confirmed: 3
Suspected: 1
- 1 - Undetermined injury, Identification Analysis
Confirmed: 1
- 1 - , Unidentified Caterpillar
Confirmed: 1
- 1 - , *Pseudocercospora handelii*
Confirmed: 1
- 1 - , *Colletotrichum destructivum*
Confirmed: 1
- 10 - Maple anthracnose, *Aureobasidium apocryptum*
Confirmed: 9
Suspected: 1
- 1 - Sycamore anthracnose, *Apiognomonia veneta*
Confirmed: 1
- 1 - Soybean anthracnose, *Colletotrichum destructivum*
Confirmed: 1
- 1 - Anthracnose, *Colletotrichum gloeosporioides*
Confirmed: 1
- 1 - Cotton anthracnose, *Colletotrichum gossypii*
Confirmed: 1
- 2 - Anthracnose leaf blight, *Colletotrichum graminicola*
Confirmed: 2
- 1 - Eastern filbert blight, *Anisogramma anomala*
Confirmed: 1
- 1 - Chestnut blight, *Cryphonectria parasitica*
Confirmed: 1
- 1 - Leaf blight; Stem blight; Stem canker, *Boeremia exigua*
Confirmed: 1

- 1 - Cercospora needle blight, *Passalora sequoiae*
Confirmed: 1
- 2 - Sorghum curcul. head blight, *Curvularia* sp./spp.
Confirmed: 2
- 1 - Apple blotch; Leaf spot; Twig canker, *Phyllosticta arbutifolia*
Confirmed: 1
- 4 - Peony leaf blotch, *Graphiopsis chlorocephala*
Confirmed: 4
- 8 - Canker; Stem blight; Dieback, *Botryosphaeria dothidea*
Confirmed: 6
Suspected: 2
- 6 - Oak twig canker and dieback, *Botryosphaeria quercuum*
Confirmed: 5
Suspected: 1
- 1 - Canker; Coral spot; Blight; Dieback, *Nectria cinnabarina*
Confirmed: 1
- 3 - Willow black canker, *Colletotrichum salicis*
Confirmed: 3
- 2 - Black knot, *Apiosporina morbosa*
Confirmed: 1
Suspected: 1
- 4 - Cucumber scab; Gummosis, *Cladosporium cucumerinum*
Confirmed: 3
Suspected: 1
- 11 - Pecan; Hickory scab, *Fusicladium caryigenum*
Confirmed: 11
- 3 - Leaf and flower gall, *Exobasidium vaccinii*
Confirmed: 3
- 2 - Oak wilt, *Ceratocystis fagacearum*
Suspected: 2
- 1 - Stem rot, *Nakatea oryzae*
Confirmed: 1

- 2 - Leaf mold; Spot, *Passalora fulva*
Confirmed: 2
- 1 - Leaf mold, *Passalora fulva*
Confirmed: 1
- 1 - Armillaria root rot, *Armillaria sp./spp.*
Confirmed: 1
- 1 - Clitocybe root rot, *Armillaria tabescens*
Suspected: 1
- 1 - White rot, *Botryosphaeria dothidea*
Confirmed: 1
- 18 - Black rot, *Phyllosticta ampellicida*
Confirmed: 17
Suspected: 1
- 1 - Southern fusiforme rust, *Cronartium quercuum fusiforme*
Confirmed: 1
- 1 - Persimmon anthracnose, *Pseudocercospora fuliginosa*
Confirmed: 1
- 3 - Septoria leaf and cane spot, *Sphaerulina westendorpii*
Confirmed: 2
Suspected: 1
- 1 - Phomopsis cane; Leaf spot; Excoriosis, *Diaporthe ampelina*
Confirmed: 1
- 2 - Gray leaf spot, *Pyricularia grisea*
Confirmed: 2
- 6 - Leaf blight and spot; Shothole, *Blumeriella jaapii*
Confirmed: 6
- 55 - Helminthosporium leaf spot, *Bipolaris cynodontis*
Confirmed: 55
- 9 - Azalea leaf spot, *Pseudocercospora handelii*
Confirmed: 9
- 2 - Cercospora leaf spot, *Pseudocercospora salicina*

- Confirmed: 2
- 5 - *Fabraea* leaf and fruit spot, *Diplocarpon mespili*
Confirmed: 5
- 4 - Slime mold, Class Myxogastria; Mycetozoa
Confirmed: 4
- 9 - Bacterial leaf scorch, *Xylella fastidiosa*
Confirmed: 4
Not Detected: 1
Suspected: 4
- 1 - Unspecified pathology, *Stigmina* sp./spp.
Confirmed: 1
- 1 - Wheat powdery mildew, *Blumeria graminis* f.sp. *tritici*
Confirmed: 1
- 9 - Black root rot, *Thielaviopsis basicola*
Confirmed: 8
Suspected: 1
- 1 - Bean bacterial wilt/ leaf spot/ canker, *Curtobacterium flaccumfaciens* pv. *flaccumfaciens*
Suspected: 1
- 16 - Rose rosette disease, Rose Rosette Virus (RRV)
Confirmed: 13
Not Detected: 1
Suspected: 2
- 6 - Fusarium wilt; Fusarium wilt complex, *Fusarium* sp./spp.
Confirmed: 5
Suspected: 1
- 7 - Brown spot; Needle blight, *Mycosphaerella dearnessii*
Confirmed: 7
- 1 - Glume blotch, *Septoria* (*Mycosphaerella*) *tritici* (*graminicola*)
Confirmed: 1
- 1 - Strawberry angular leaf spot, *Xanthomonas fragariae*
Confirmed: 1
- 1 - Lilac borer; Ash clearwing, *Podosesia syringae*

Suspected: 1

1 - Rice autumn decline; Akiuchi, Abiotic disorder

Suspected: 1

10 - Cucumber mosaic (CMV), Cucumovirus Cucumber Mosaic Virus

Confirmed: 10

1 - Impatiens necrotic spot (INSV), Tospovirus Impatiens Necrotic Spot Virus

Confirmed: 1

1 - Tobacco ringspot (TRSV), Nepovirus Tobacco Ringspot Virus

Confirmed: 1

1 - Tomato spotted wilt (TSWV), Tospovirus Tomato Spotted Wilt Virus

Confirmed: 1

1 - Bacterial gall, *Pseudomonas savastanoi*

Confirmed: 1

99 - Large patch, *Rhizoctonia solani*

Confirmed: 98

Suspected: 1

3 - Rose rosette disease (RRV), Emaravirus Rose Rosette Virus

Confirmed: 3