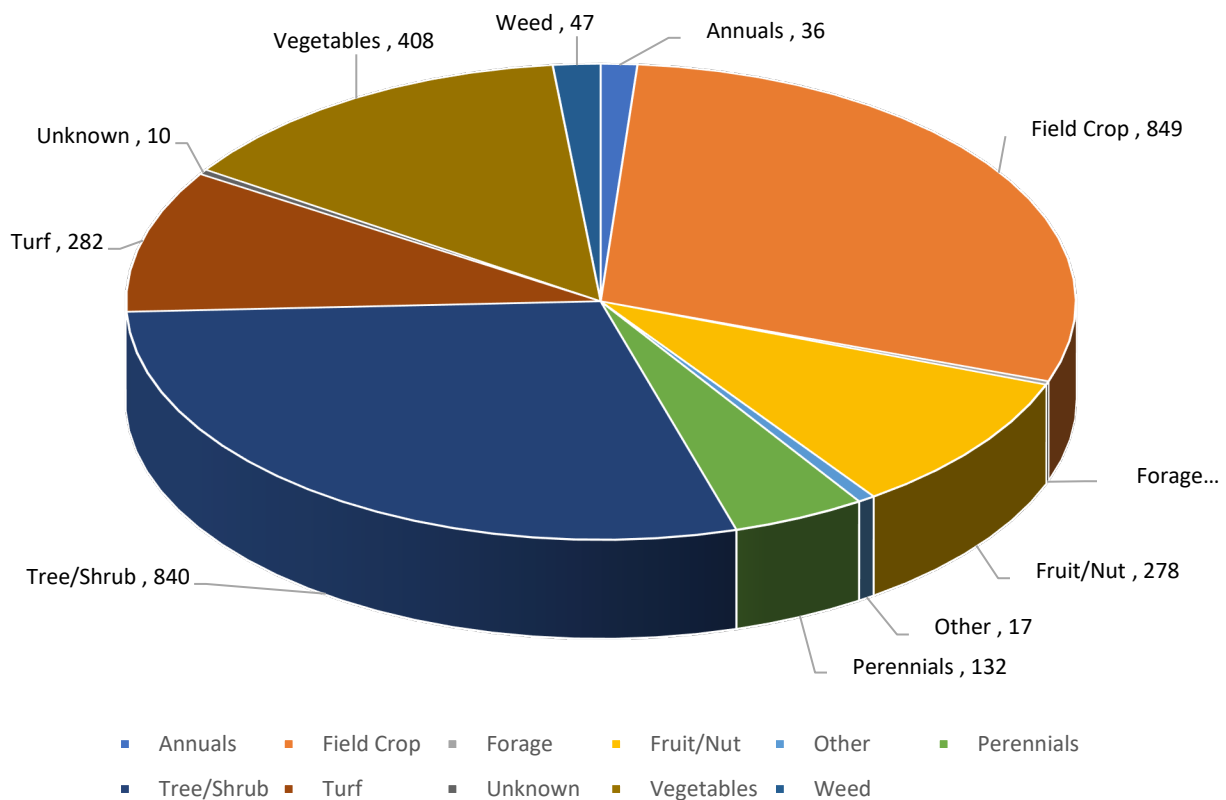


Plant Health Clinic 2010 Summary Report

The Plant Health Clinic received 2906 plant samples in 2010. Numbers were 22% above the previous year until September, when numbers of samples steeply declined. We believe the decline was due to prolonged drought conditions. The largest number of samples in 2010 was field crops (29%), followed by trees/shrubs (28%), vegetables (14%), fruit/nut (10%), turf (9.5%), perennials (4.5%), weeds (1.6%) and annuals (1%). The remaining 2.4% was divided between forage, unknown, and other. The weed category mostly comprised kudzu samples submitted for Asian soybean rust screening.

Plant Health Clinic Samples January 1, 2010-January 1, 2011



Plant Health Samples by Commodity	Number of Samples
Annuals	36
Field Crop	849
Forage	7
Fruit/Nut	278
Other	17
Perennials	132
Tree/Shrub	840
Turf	282
Unknown	10
Vegetables	408
Weed	47
Total	2906

District	Plant Health Samples Submitted
Out of State	67
Delta	1568
Ouachita	581
Ozark	690
Total	2906

MonthPlant Health Samples Submitted

January	15
Week 2	2
Week 3	3
Week 4	4
Week 5	6
February	23
Week 6	5
Week 7	11
Week 8	1
Week 9	6

March 79

Week 10 6

Week 11 10

Week 12 13

Week 13 29

Week 14 21

April 183

Week 14 2

Week 15 30

Week 16 25

Week 17 60

Week 18 66

May 364

Week 19 74

Week 20 55

Week 21 136

Week 22 99

June 716

Week 23 120

Week 24 150

Week 25 148

Week 26 164

Week 27 134

July 691

Week 27 95

Week 28 116

Week 29 162

Week 30	138
Week 31	180
August	478
Week 32	146
Week 33	73
Week 34	158
Week 35	51
Week 36	50
September	196
Week 36	33
Week 37	51
Week 38	39
Week 39	41
Week 40	32
October	100
Week 40	8
Week 41	35
Week 42	27
Week 43	15
Week 44	15
November	49
Week 45	15
Week 46	13
Week 47	11
Week 48	10
December	12
Week 49	1
Week 50	6

Week 51 4

Week 52 1

Plant Health Total 2906

County	Plant Health Samples Submitted	County	Plant Health Samples Submitted
Arkansas	100	Ashley	14
Baxter	85	Bradley	5
Boone	67	Chicot	18
Clark	57	Clay	21
Cleburne	7	Columbia	14
Conway	29	Craighead	211
Crawford	27	Crittenden	29
Cross	36	Desha	23
Drew	19	Faulkner	150
Franklin	23	Fulton	12
Garland	129	Grant	1
Greene	51	Hempstead	24
Howard	3	Independence	10
Izard	15	Jackson	52
Jefferson	132	Johnson	6
Lafayette	7	Lawrence	36
Lee	80	Lincoln	20
Logan	36	Lonoke	232
Marion	23	Miller	15
Mississippi	44	Monroe	71
Montgomery	11	Nevada	7
Newton	5	Ouachita	28
Out of State	67	Perry	7
Phillips	88	Poinsett	25
Polk	2	Pope	22
Prairie	87	Pulaski	212
Randolph	12	Saline	29
Sebastian	32	Sevier	18
Sharp	5	St. Francis	50
Stone	6	Van Buren	10
Washington	144	White	85
Woodruff	32	Yell	8
Plant Health Total			2906

1 - Bacterial leaf spot, *Xanthomonas campestris campestris*

Suspected: 1

1 - Juniper scale, *Carulaspis juniperi*

Confirmed: 1

1 - Tip blight/ dieback, *Sydowia (Sclerophoma) polyspora (pithyophila)*

Confirmed: 1

8 - Nutrient Deficiency,

Suspected: 8

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

Confirmed: 1

1 - Black rot, *Xanthomonas campestris*

Confirmed: 1

2 - *Pestalotia* Twig Dieback, *Pestalotia funerea*

Confirmed: 2

6 - Glyphosate injury, Abiotic disorder

Confirmed: 3

Suspected: 3

1 - Sooty stripe, *Ramulispora sorghi*

Confirmed: 1

1 - Impatiens necrotic spot, Tospovirus Impatiens necrotic spot virus (INSV)

Confirmed: 1

1 - Scab, Fusarium sp./spp.

Confirmed: 1

1 - Unidentified bacterium,

Confirmed: 1

7 - Phytophthora leaf spot, Phytophthora sp./spp.

Confirmed: 7

4 - Anthracnose, Colletotrichum orbiculare

Confirmed: 4

2 - Nematode Damage, Abiotic disorder

Suspected: 2

1 - Helminthosporium leaf spot, Drechslera sp./spp.

Confirmed: 1

2 - Dieback; Canker, Nectria sp./spp.

Confirmed: 2

6 - Anthracnose, Colletotrichum graminicola

Confirmed: 5

Suspected: 1

9 - Scale insects, Order homoptera

Confirmed: 9

41 - Bacterial Leaf Scorch, *Xylella fastidiosa*

Confirmed: 32

Suspected: 9

3 - Bacterial leaf blight, *Pseudomonas* sp./spp.

Confirmed: 2

Suspected: 1

19 - Southern Blight, *Sclerotium rolfsii*

Confirmed: 18

Suspected: 1

1 - Storage mold, *Aspergillus* sp./spp.

Suspected: 1

2 - Frost; Cold Damage, Abiotic disorder

Suspected: 2

1 - Leucostoma canker, *Leucostoma* sp./spp.

Suspected: 1

4 - Apple scab, *Venturia (Spilocaea) inaequalis* (pomi)

Confirmed: 2

Suspected: 2

2 - Yew leaf; Twig blight, *Dothiora (Sphaerulina)(Sydowia) taxicola*

Confirmed: 2

1 - Root Rot, Unidentified Agent

Suspected: 1

1 - Phytoplasma Disease, *Phytoplasma*

Suspected: 1

1 - Rhabdocline needle cast, *Rhabdocline sp./spp.*

Suspected: 1

1 - Scarlet oak sawfly, *Caliroa quercuscoccineae*

Confirmed: 1

5 - Tomato bacterial speck, *Pseudomonas tomato*

Confirmed: 5

7 - Phytophthora canker, *Phytophthora sp./spp.*

Confirmed: 5

Not Detected: 1

Suspected: 1

10 - Azalea Leaf Spot, *Cercospora handelii*

Confirmed: 9

Suspected: 1

1 - Bacterial panicle blight, *Burkholderia sp./spp.*

Suspected: 1

4 - Viruses, Viruses

Not Detected: 2

Suspected: 2

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

Confirmed: 4

4 - Pitch canker, Gibberella (*Fusarium*) sp./spp.

Confirmed: 1

Suspected: 3

1 - Leaf spot, *Tubakia dryina*

Confirmed: 1

1 - Lichenized algal leaf spot, *Strigula* sp./spp.

Confirmed: 1

1 - Leaf blight, Various Fungi

Confirmed: 1

2 - Wheat spindle streak mosaic, Wheat Spindle Streak Mosaic Virus (WSSMV)

Confirmed: 2

1 - Gray Leaf Spot, *Magnaporthe* (ana. *Pyricularia*) *grisea*

Confirmed: 1

1 - Cane blight, *Leptosphaeria coniothyrium*

Confirmed: 1

6 - Tomato Septoria Leaf Spot, *Septoria lycopersici*

Confirmed: 6

6 - Pecan leaf Phylloxera, *Phylloxera notabilis*

Confirmed: 6

2 - Poor pollination, Abiotic disorder

Confirmed: 1

Suspected: 1

1 - Rose midge, *Dasineura rhodophaga*

Suspected: 1

3 - Pythium root and/or crown rot, *Pythium* sp./spp.

Confirmed: 3

1 - Maple canker, *Stegonsporium* sp./spp.

Confirmed: 1

1 - Oak bark beetle, *Pseudopityophthorus pruinosis*

Confirmed: 1

1 - Phomopsis Dieback; Tip Blight; Canker, *Phomopsis* sp./spp.

Confirmed: 1

1 - Phototoxicity, Abiotic disorder

Suspected: 1

1 - Leaf spot, bacterial, *Xanthomonas pruni*

Confirmed: 1

1 - Fig Mosaic, Fig Mosaic Virus (FM)

Suspected: 1

11 - Drought stress damage, Abiotic disorder

Suspected: 11

1 - Cynipid gall wasp, *Neuroterus* sp./spp.

Confirmed: 1

2 - Grape Black Rot, *Guignardia (Phyllosticta) bidwellii* (ampellicida)

Confirmed: 2

28 - Insect Damage, Abiotic disorder

Confirmed: 20

Suspected: 8

1 - Fruit russet, Frost, sprays, etc.

Confirmed: 1

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

Confirmed: 2

1 - No Pathogen Found, No Pathogen Found

Confirmed: 1

1 - Erwinia slime flux, Erwinia sp./spp.

Suspected: 1

2 - Sooty Mold, Various fungi

Confirmed: 1

Inconclusive: 1

36 - 2-4-d Injury, Abiotic disorder

Confirmed: 2

Suspected: 34

2 - Anthracnose, Elsinoe sp./spp.

Confirmed: 2

1 - Lophodermium needlecast, Lophodermium juniperinum

Confirmed: 1

2 - Phomopsis leaf spot, Phomopsis sp./spp.

Confirmed: 2

1 - Fusarium yellows, Fusarium oxysporum

Suspected: 1

5 - Botrytis blight, Botrytis sp./spp.

Confirmed: 4

Suspected: 1

9 - Bitter rot, *Colletotrichum* sp./spp.

Confirmed: 8

Suspected: 1

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

Suspected: 1

12 - Winter injury, Abiotic disorder

Confirmed: 1

Suspected: 11

3 - Hypoxylon Canker, *Entoleuca* (*Hypoxylon*) *mammata* (*blakei*)

Suspected: 3

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

Confirmed: 10

2 - Orange rust, *Gymnoconia nitens*

Confirmed: 2

20 - Charcoal rot, *Macrophomina phaseolina*

Confirmed: 20

5 - Whiteflies, Family *Aleyrodidae*

Confirmed: 5

2 - Phomopsis gall, *Phomopsis* sp./spp.

Confirmed: 1

Suspected: 1

1 - Yellow-bellied sapsucker, *Sphyrapicus varius*

Confirmed: 1

7 - Septoria leaf spot, *Septoria lycopersici*

Confirmed: 7

6 - Rhizoctonia damping off, *Rhizoctonia* sp./spp.

Confirmed: 6

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

Confirmed: 10

1 - Fig Canker, Dieback, *Diaporthe* (*Phomopsis*) *eres* (*oblonga*)

Confirmed: 1

1 - Leaf and Flower Gall, *Exobasidium azaleae*

Confirmed: 1

1 - Crazy top downy mildew, *Sclerophthora macrospora*

Suspected: 1

1 - Leaf Spot, *Phyllosticta* sp./spp.

Confirmed: 1

1 - Anthracnose, *Glomerella (Colletotrichum) cingulata (gloeosporioides)*

Confirmed: 1

4 - Bacterial leaf spot, *Xanthomonas sp./spp.*

Confirmed: 4

10 - Bacterial leaf spot, *Xanthomonas campestris pruni*

Confirmed: 7

Suspected: 3

1 - Brown Spot, *Mycosphaerella (dothistroma)*

Confirmed: 1

1 - Hydrangea Leaf Spot, *Phoma (Phyllosticta) exigua (hydrangeae)*

Confirmed: 1

1 - Corn (Common) smut, *Ustilago maydis*

Confirmed: 1

1 - Odontoglossum ringspot, Odontoglossum Ringspot Virus (ORSV)

Confirmed: 1

3 - Bacterial soft rot, *Erwinia sp./spp.*

Confirmed: 3

2 - Needle cast, Unknown Agent

Confirmed: 1

Suspected: 1

2 - Aerial blight, *Rhizoctonia* sp./spp.

Confirmed: 2

4 - Tobacco Mosaic, Tobacco Mosaic Virus (TMV)

Confirmed: 4

1 - Bacterial blight, *Xanthomonas campestris phaseoli*

Confirmed: 1

1 - Bean downy mildew, *Phytophthora nicotianae* var. *parasitica*

Confirmed: 1

1 - *Cylindrocladium* Blight, *Cylindrocladium* sp./spp.

Confirmed: 1

2 - Bacterial canker, *Pseudomonas syringae syringae*

Confirmed: 1

Suspected: 1

12 - *Rhizosphaera* needle cast, *Rhizosphaera* sp./spp.

Confirmed: 10

Suspected: 2

23 - Mites, Order Acari

Confirmed: 22

Suspected: 1

23 - Chemical; Environmental injury, Abiotic disorder

Suspected: 23

1 - Site disturbance, Abiotic disorder

Suspected: 1

5 - Oedema; Edema, Abiotic disorder

Confirmed: 5

2 - Bacterial leaf spot, *Pseudomonas syringae*

Confirmed: 2

1 - Damping off, *Fusarium* sp./spp.

Confirmed: 1

5 - Common corn rust, *Puccinia sorghi*

Confirmed: 5

1 - Strumella canker, *Urnula* (ana. *Strumella*) *craterium* (*coryneoida*)

Suspected: 1

2 - Azalea anthracnose, *Colletotrichum azaleae*

Confirmed: 1

Suspected: 1

3 - *Cyclaneusma* Needle Cast, *Cyclaneusma* (*Naemacylus*) *minus* (minor)

Confirmed: 3

2 - Seiridium Canker, *Leptotypha* (*Seiridium*) *cupressi* (*unicorne*)

Confirmed: 2

4 - Boxwood Canker, *Volutella buxi*

Confirmed: 4

2 - Freeze; Frost; Cold damage, Abiotic disorder

Suspected: 2

2 - Daylily leaf streak, *Collecephalus hemerocallidis*

Confirmed: 2

1 - Botrytis Leaf; Stem Blight, *Botryotinia* (*Botrytis*) *fuckeliana* (*cinerea*)

Confirmed: 1

3 - Cucumber Scab; Gummosis, *Cladosporium cucumerinum*

Confirmed: 2

Suspected: 1

1 - Undetermined Injury or Pest, Identification Analysis

Suspected: 1

2 - Dieback; Canker; Twig blight, *Botryosphaeria* sp./spp.

Confirmed: 2

1 - Canker, *Hypoxyton* sp./spp.

Suspected: 1

1 - Oak lace bug, *Corythucha arcuata*

Confirmed: 1

6 - Natural senescence, Abiotic disorder

Confirmed: 1

Suspected: 5

1 - Leaf and Twig Blight, *Cylindrosporium kerriae*

Confirmed: 1

1 - Maple spider mite, *Oligonychus aceris*

Confirmed: 1

1 - Apple Anthracnose; Bull's Eye, *Pezicula (Cryptosporiopsis) malicorticis (curvispora)*

Confirmed: 1

1 - Dipterous leafminers, General

Confirmed: 1

4 - Crown gall, *Agrobacterium tumefaciens*

Confirmed: 3

Suspected: 1

5 - Entomosporium Leaf Spot, *Diplocarpon (Entomosporium) mespili (maculatum)*

Confirmed: 5

2 - Thrips, Order Thysanoptera

Confirmed: 2

1 - Euonymus powdery mildew, Erysiphe (Oidium) euonymi-japonici

Confirmed: 1

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

Confirmed: 1

1 - Spot anthracnose, Elsinoe veneta

Confirmed: 1

24 - Cypress canker, Seiridium cardinale

Confirmed: 15

Suspected: 9

2 - Rust, Puccinia zoysiae

Confirmed: 2

1 - Redvine, Brunnichia ovata

Confirmed: 1

1 - Potyvirus Group, Potyvirus Group

Confirmed: 1

7 - Rice Blast, Magnaporthe grisea

Confirmed: 7

1 - Various fungi, Various Fungi

Inconclusive: 1

9 - Pestalotia dieback, Pestalotia sp./spp.

Confirmed: 9

4 - Phytophthora Blight, Phytophthora sp./spp.

Confirmed: 3

Suspected: 1

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

Confirmed: 1

1 - Oak leafroller, Archips semifera

Confirmed: 1

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

Confirmed: 45

4 - Thrips, Thrips sp./spp.

Confirmed: 2

Not Detected: 1

Suspected: 1

66 - Hosta Virus X, Hosta Virus X (HVX)

Confirmed: 11

Not Detected: 55

1 - Storage rot, Rhizoctonia sp./spp.

Confirmed: 1

1 - Ascochyta ray blight, *Didymella (mycosphaerella) ligulicola*

Confirmed: 1

1 - Anthracnose; Leaf spot, *Colletotrichum trichellum*

Confirmed: 1

1 - Pecan shuck decline, Unidentified Agent

Suspected: 1

1 - Brown Rot, *Monilinia sp./spp.*

Confirmed: 1

21 - Brown patch, *Rhizoctonia sp./spp.*

Confirmed: 21

1 - white drupelet,

Confirmed: 1

1 - Hydrangea Leaf Spot, *Phoma (Phyllosticta) exigua (hydrangeae)*

Confirmed: 1

7 - Euonymus scale, *Unaspis euonymi*

Confirmed: 7

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

Confirmed: 43

Suspected: 3

26 - Spider mites, Family Tetranychidae

Confirmed: 24

Suspected: 2

3 - Bean brown spot blight, *Pseudomonas syringae*

Confirmed: 3

1 - Baldcypress rust mite, *Epirimerus taxodii*

Confirmed: 1

2 - Arborvitae leaf blight, *Didymascella thujina*

Confirmed: 2

4 - Aphids (Plant lice), Family Aphididae

Confirmed: 4

9 - Phytophthora Crown, Root and/or Stem Rot, *Phytophthora* sp./spp.

Confirmed: 6

Suspected: 3

1 - Fall cankerworm, *Alsophila pometaria*

Confirmed: 1

2 - Lightning damage, Abiotic disorder

Suspected: 2

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

Confirmed: 1

1 - Sapwood Rot, *Phellinus (Fomes) rimosus*

Suspected: 1

1 - Rose Band Canker, *Coniothyrium wernsdorffiae*

Confirmed: 1

1 - Slugs, Mollusca; Gastropoda

Suspected: 1

1 - Soybean Phytophthora root and stem rot, *Phytophthora sojae*

Confirmed: 1

7 - Tomato; Pepper Bacterial Spot, *Xanthomonas campestris* pv. *vescatoria*

Confirmed: 6

Suspected: 1

4 - Bacterial leaf spot, Unidentified Bacteria

Confirmed: 4

2 - Diplodia root; Stalk rot, *Diplodia* sp./spp.

Confirmed: 2

1 - Sulfur deficiency, Abiotic disorder

Suspected: 1

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

Confirmed: 6

Suspected: 1

2 - Angular leaf spot, *Xanthomonas* sp./spp.

Suspected: 2

1 - Holly leafminer, *Phytomyza ilicis*

Confirmed: 1

20 - Phytophthora Root Rot, *Phytophthora* sp./spp.

Confirmed: 15

Suspected: 5

8 - Nutritional deficiency, Abiotic disorder

Suspected: 8

4 - Southern Corn Rust, *Puccinia polysora*

Confirmed: 1

Not Detected: 3

4 - Pecan; Hickory Scab, *Cladosporium caryigenum*

Confirmed: 4

1 - White peach scale, *Pseudaulacaspis pentagona*

Confirmed: 1

1 - Bipolaris Leaf Spot, *Bipolaris* sp./spp.

Confirmed: 1

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

Confirmed: 1

Suspected: 1

1 - Decline; Dieback, Abiotic disorder

Suspected: 1

2 - Unknown virus,

Suspected: 2

1 - Elm scurfy scale, *Chionaspis americana*

Confirmed: 1

1 - *Rhizoctonia foliar/ aerial/ web blight*, *Rhizoctonia solani*

Confirmed: 1

2 - Cucurbit Powdery Mildew, *Sphaerotheca (Oidium) fuliginea (erysiphoides)*

Confirmed: 2

1 - Oak Strumella Canker, *Strumella coryneoida*

Confirmed: 1

2 - Seiridium Canker, *Lepteutypa (Seiridium) cupressi (unicorne)*

Confirmed: 2

2 - Inconclusive Sample, Unspecified causal

Inconclusive: 2

37 - Phytophthora Crown, Root and/or Stem Rot, Phytophthora sp./spp.

Confirmed: 29

Not Detected: 1

Suspected: 7

1 - No Pathogen Found, No Pathogen Found

Inconclusive: 1

1 - Juniper bud mite, Trisetacus juniperinus

Confirmed: 1

3 - Oak leaf blister, Taphrina caerulescens

Confirmed: 3

3 - Rust, Gymnosporangium sp./spp.

Confirmed: 2

Suspected: 1

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

Confirmed: 2

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

Confirmed: 12

2 - Damping off, Rhizoctonia spp

Confirmed: 2

10 - Grapevine Pierce's Disease, *Xylella fastidiosa*

Confirmed: 9

Not Detected: 1

1 - Oak apple galls, Family Cynipidae

Confirmed: 1

1 - Bacterial soft rot, Unidentified Bacterium

Confirmed: 1

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

Confirmed: 1

3 - Jumping oak gall wasp, Cydnidae *Neuropterus saltatorius*

Confirmed: 3

66 - Insufficient Sample, Identification Analysis

Confirmed: 1

Inconclusive: 65

1 - Southern Leaf Blight, *Cochliobolus* (*Bipolaris*) *heterostrophus* (*maydis*)

Suspected: 1

1 - Tortricid leafrollers, Family Tortricidae

Confirmed: 1

1 - Iris Rhizome Rot, *Botryotinia* (*Sclerotinia*) *convoluta*

Confirmed: 1

1 - Sharp Eyespot, *Rhizoctonia cerealis*

Confirmed: 1

3 - Squash Vine Borer (Svb), *Melittia cucurbitae*

Confirmed: 2

Suspected: 1

1 - Bacterial stalk rot, *Erwinia* sp./spp.

Confirmed: 1

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

Confirmed: 4

3 - Scorch, Abiotic disorder

Confirmed: 1

Suspected: 2

1 - Tomato hornworm, *Manduca quinquemaculata*

Confirmed: 1

1 - Yew Twig Blight, *Pestalotiopsis* (*Pestalotia*) *funerea*

Confirmed: 1

1 - Root damage, Abiotic disorder

Suspected: 1

3 - Juniper Twig Blight, *Phomopsis juniperovora*

Confirmed: 3

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

Confirmed: 1

8 - Root Knot Nematodes, Meloidogyne sp./spp.

Confirmed: 8

2 - Willow Black Canker, Glomerella (Physalospora) miyabeana

Confirmed: 2

1 - Sooty blotch (Fruit), Gloeodes pomigena

Confirmed: 1

3 - Oak Wilt, Ceratocystis (Chalara) fagacearum (quercina)

Suspected: 3

2 - Bagworm moths, Family Psychidae

Confirmed: 2

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

Confirmed: 2

2 - Pythium damping off, Pythium sp./spp.

Confirmed: 2

1 - Persimmon Psylla, Trioza diospyri

Confirmed: 1

12 - Azalea lace bug, *Stephanitis pyrioides*

Confirmed: 12

3 - Algal leaf spot, *Cephaleuros* sp./spp.

Confirmed: 2

Suspected: 1

1 - Rust; Leaf Rust, *Puccinia zoysiae*

Confirmed: 1

1 - Shoestring; Mushroom root rot, *Armillaria mellea*

Confirmed: 1

4 - Black spot (Rose), *Diplocarpon* (*Marssonina*) *rosae*

Confirmed: 4

1 - Branch knot, *Sphaeropsis tumefaciens*

Confirmed: 1

1 - Potyvirus Group, Potyvirus Group

Not Detected: 1

1 - Bark splitting, Abiotic disorder

Suspected: 1

1 - Downy mildew, *Plasmopara* sp./spp.

Confirmed: 1

3 - Soybean bacterial pustule, *Xanthomonas campestris* pv. *glycines*

Confirmed: 3

9 - Rose brown canker, *Cryptosporella umbrina*

Confirmed: 9

1 - Dutch elm disease, *Ophiostoma* sp./spp.

Suspected: 1

1 - Root decline, *Chaetomella raphigera*

Suspected: 1

1 - Bacterial speck, *Pseudomonas syringae* PV. *tomato*

Confirmed: 1

18 - Dogwood anthracnose, *Discula destructiva*

Confirmed: 16

Suspected: 2

1 - Japanese Pear Black Spot, *Alternaria kikuchiana*

Confirmed: 1

2 - Mulberry leaf spot, *Cercospora mori*

Confirmed: 2

1 - White spot, *Cercospora* sp./spp.

Confirmed: 1

1 - Loose smut (Wheat; Rye), *Ustilago tritici*

Confirmed: 1

1 - Codling moth (CM), *Cydia pomonella*

Confirmed: 1

4 - Nutritional pathology, Abiotic disorder

Suspected: 4

2 - Neocosmospora root or fruit rot, *Neocosmospora vasinfecta*

Confirmed: 2

5 - Abnormal root development, Unidentified Agent

Suspected: 5

1 - Growth cracks, Abiotic

Suspected: 1

3 - Manganese toxicity, Abiotic disorder

Suspected: 3

2 - Septoria Leaf and Cane Spot, *Mycosphaerella* (ana. *Septoria*) *rubi*

Confirmed: 2

1 - Rhubarb crown rot, *Erwinia rhapontici*

Suspected: 1

9 - Stinkbug, *Thyanta punctiventris*

Confirmed: 6

Suspected: 3

1 - Dothistroma needle blight, *Dothistroma* sp./spp.

Confirmed: 1

1 - Leaf blotch; Leaf spot, *Cladosporium* sp./spp.

Confirmed: 1

2 - Fungal leaf spot, *Cercospora hydrangeae*

Confirmed: 1

Suspected: 1

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

Confirmed: 2

1 - Spruce beetle (SB), *Dendroctonus rufipennis*

Suspected: 1

1 - Unspecified pathology, *Cladosporium* sp./spp.

Confirmed: 1

1 - Elm borer, *Saperda tridentata*

Suspected: 1

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

Confirmed: 2

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

Confirmed: 1

1 - Bacterial canker, Mixed bacterial species

Confirmed: 1

2 - Southern garden leafhopper, *Empoasca solana*

Confirmed: 2

5 - Jumping Bullet Gall Wasp, *Neuroterus saltatorius*

Confirmed: 5

1 - Leaf spot, *Gloeocercospora* spp

Confirmed: 1

1 - Rose budworm, *Pyrrhia umbra*

Suspected: 1

36 - No Pathogen Found, No-pathogen-found

Confirmed: 18

Inconclusive: 17

Suspected: 1

1 - Pine beetles, Family Scolytidae

Confirmed: 1

1 - Aerial blight, *Phytophthora nicotianae*

Confirmed: 1

9 - Bacterial Leaf Spot, Uncharacterized bacteria

Confirmed: 9

2 - Euonymus Anthracnose, *Gloeosporium frigidum*

Confirmed: 2

2 - Horned oak gall wasp, *Callirhytis cornigera*

Confirmed: 2

1 - Hickory borer, *Goes pulcher*

Suspected: 1

2 - Spur blight, *Phoma* sp./spp.

Confirmed: 2

1 - White mold, *Sclerotinia* sp./spp.

Suspected: 1

1 - Rice narrow brown leaf spot, *Sphaerulina oryzina*

Confirmed: 1

7 - Additional Sample Requested, Identification Analysis

Confirmed: 2

Inconclusive: 5

1 - Cucurbit downy mildew, *Pseudoperonospora cubensis*

Confirmed: 1

1 - Omnivorous leafroller (OLr), *Platynota stultana*

Suspected: 1

1 - Pine needle rust, *Coleosporium tussilaginis*

Suspected: 1

2 - Double blossom (Rosette), *Cercospora rubi*

Confirmed: 2

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

Confirmed: 3

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

Confirmed: 1

1 - Peach X Disease, Peach X Disease Phytoplasma

Suspected: 1

6 - Powdery mildew, *Erysiphe* sp./spp.

Confirmed: 5

Suspected: 1

1 - Needle Cast, *Rhabdochloa* sp./spp.

Confirmed: 1

2 - Nitrogen deficiency, Abiotic disorder

Suspected: 2

1 - Yellow Shoulder; Water Imbalan, Abiotic disorder

Suspected: 1

1 - Soybean sudden death syndrome, *Fusarium virguliforme*

Confirmed: 1

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

Suspected: 1

2 - Insect damage, Unidentified Insect

Confirmed: 2

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

Confirmed: 3

1 - Calcium deficiency, Abiotic disorder

Suspected: 1

6 - *Cercospora* Blight, *Cercospora sequoiae*

Confirmed: 5

Suspected: 1

1 - canna rust,

Confirmed: 1

1 - Canker, *Seiridium* sp./spp.

Confirmed: 1

4 - Soybean Anthracnose, *Glomerella (Colletotrichum) glycines (destructivum)*

Confirmed: 4

1 - Anthracnose, *Colletotrichum trichellum*

Confirmed: 1

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

Suspected: 1

50 - Cucumber Mosaic, Cucumber Mosaic Virus (CMV)

Confirmed: 50

1 - Southern squash vine borer, *Melittia calabaza*

Suspected: 1

1 - Scab, *Cladosporium* sp./spp.

Confirmed: 1

3 - Strawberry Angular Leaf Spot; A, *Xanthomonas fragariae*

Confirmed: 3

701 - Australasian soybean rust, *Phakopsora pachyrhizi*

Not Detected: 701

3 - Bacterial blight, *Pseudomonas syringae syringae*

Confirmed: 2

Suspected: 1

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

Confirmed: 3

Suspected: 7

1 - Unspecified pathology, *Sclerophoma* sp./spp.

Confirmed: 1

5 - Pythium Blight, *Pythium* sp./spp.

Confirmed: 4

Suspected: 1

1 - Rose downy mildew, *Peronospora sparsa*

Suspected: 1

1 - Leaf blotch, *Briosia ampelophaga*

Confirmed: 1

1 - , *Pseudomonas maculicola*

Suspected: 1

1 - Leafminer flies, Family Agromyzidae

Confirmed: 1

1 - Rice stink bug, *Oebalus pugnax*

Confirmed: 1

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

Confirmed: 19

Suspected: 2

5 - Anthracnose, Gloeosporium sp./spp.

Confirmed: 5

2 - Rust, Puccinia malvacearum

Confirmed: 2

2 - Brown rot, Monilia sp./spp.

Confirmed: 2

3 - Clearwing borers, Family Sesiidae

Confirmed: 1

Suspected: 2

2 - Eriophyid mites, Family Eriophyidae

Confirmed: 2

15 - Scale Insects, Order homoptera

Confirmed: 15

4 - Quince rust, Gymnosporangium clavipes

Confirmed: 4

2 - Twig blight, Diaporthe sp./spp.

Confirmed: 2

2 - Mechanical damage, Abiotic disorder

Confirmed: 1

Suspected: 1

5 - Maple Anthracnose, *Aureobasidium (Gloeosporium) apocryptum*

Confirmed: 4

Suspected: 1

4 - Bagworm, *Thyridopteryx ephemeraeformis*

Confirmed: 4

1 - Arborvitae spider mite, *Platytetranychus thujae*

Confirmed: 1

52 - Environmental stress; Problem, Abiotic disorder

Confirmed: 5

Inconclusive: 2

Not Detected: 1

Suspected: 44

2 - Brown Rot; Blossom and Twig Blight, *Monilinia fructicola*

Confirmed: 2

1 - Lesser canna leafroller, *Geshna cannalis*

Confirmed: 1

2 - Excessive water, Abiotic disorder

Suspected: 2

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

Confirmed: 2

1 - Boxwood *Volutella* blight; Canker, *Volutella buxi*

Confirmed: 1

3 - Blossom end rot, Abiotic disorder

Confirmed: 2

Suspected: 1

5 - *Botryosphaeria* Canker; Dieback, *Botryosphaeria (Diplodia) stevensii* (mutila)

Confirmed: 4

Suspected: 1

1 - Sheath rot, *Sarocladium (Acrosylindrium) oryzae*

Confirmed: 1

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

Confirmed: 3

1 - Dense thatch layer, Abiotic disorder

Confirmed: 1

3 - Magnesium deficiency, Abiotic disorder

Suspected: 3

1 - Grape erineum mite, *Colomerus vitis*

Confirmed: 1

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

Confirmed: 3

1 - Alternaria leaf blight, *Alternaria* sp./spp.

Confirmed: 1

1 - Treehoppers, Family Membracidae

Suspected: 1

6 - Cucurbit angular leaf spot, *Pseudomonas syringae* pv. *lachrymans*

Confirmed: 6

26 - Bacterial canker, *Clavibacter michiganensis michiganensis*

Confirmed: 24

Suspected: 2

1 - Bacterial wilt, *Ralstonia solanacearum*

Confirmed: 1

1 - Take All, *Gaeumannomyces graminis avenae*

Suspected: 1

33 - Large Patch, *Rhizoctonia solani*

Confirmed: 33

2 - Lacebug, *Stephanitis* sp./spp.

Confirmed: 1

Suspected: 1

1 - Cultural/environmental problem, Abiotic disorder

Suspected: 1

6 - Bacterial Blight, *Xanthomonas oryzae*

Confirmed: 6

6 - Bacterial leaf spot, *Pseudomonas* sp./spp.

Confirmed: 6

1 - Onion purple (Brown) blotch, *Alternaria porri*

Confirmed: 1

3 - Grape Phylloxera, *Daktulosphaira vitifoliae*

Confirmed: 3

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

Confirmed: 4

Suspected: 3

3 - Pythium Damping Off, *Pythium* sp./spp.

Confirmed: 3

1 - Bacterial stem rot, *Erwinia carotovora carotovora*

Suspected: 1

1 - Leafhoppers, Family Cicadellidae

Confirmed: 1

3 - Lichens, Lichenes

Confirmed: 3

45 - Herbicide drift, Abiotic disorder

Confirmed: 1

Not Detected: 1

Suspected: 43

1 - , Coleophoma sp.

Confirmed: 1

1 - Leaf Spot; Blight, Mycosphaerella (ana Ramularia) fragariae (brunnea)

Confirmed: 1

1 - Chinch bug complex, Blissus sp./spp.

Suspected: 1

1 - Hackberry buttongall maker, Pachypsylla umbilicus

Confirmed: 1

2 - Cottony Maple Scale, Pulvinaria innumerabilis

Confirmed: 2

1 - Soybean stem borer, Dectes texanus

Confirmed: 1

17 - Abnormal Root Development, Unidentified Agent

Inconclusive: 1

Suspected: 16

2 - Soybean target spot, *Corynespora cassiicola*

Confirmed: 2

2 - Leaf Mold, *Fulvia fulva*

Confirmed: 2

5 - Sunscald, Abiotic disorder

Confirmed: 1

Suspected: 4

1 - Fruit Rot and Berry Speckle, *Botryosphaeria (Phyllosticta) vaccinii (elongata)*

Confirmed: 1

4 - Black Rot, *Guignardia (Phyllosticta) bidwellii (ampelicida)*

Confirmed: 4

1 - Nailhead spot, *Alternaria tomato*

Confirmed: 1

4 - Pythium Root Rot, *Pythium sp./spp.*

Confirmed: 3

Suspected: 1

1 - Leaf spot, *Pseudocercospora* spp

Confirmed: 1

1 - Juniper gelechiid moth, *Stenolechia bathrodyas*

Suspected: 1

1 - Choanephora wet rot, *Choanephora* sp./spp.

Confirmed: 1

1 - Mold; Mildew, *Penicillium* sp./spp.

Confirmed: 1

3 - Soybean bacterial blight, *Pseudomonas syringae* pv. *glycinea*

Confirmed: 1

Not Detected: 2

1 - Sycamore Anthracnose, *Apiognomonia* (*Gnomonia*) (*ana. Discula*) *veneta* (*platani*)

Confirmed: 1

9 - Squash Mosaic, Squash Mosaic Virus (SQMV)

Confirmed: 9

3 - Phylloxerans, Family Phylloxeridae

Confirmed: 3

2 - Peach Scab, *Venturia* (*Cladosporium*) *carpophila* (*carpophilum*)

Confirmed: 2

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

Confirmed: 2

2 - Grape anthracnose; Birds-eye rot, *Elsinoe* (*Sphaceloma*) *ampelina* (*ampelinum*)

Confirmed: 2

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

Confirmed: 1

1 - Soybean cyst nematode (SCN), *Heterodera* *glycines*

Confirmed: 1

17 - Unknown, General

Inconclusive: 15

Not Detected: 1

Suspected: 1

1 - Dieback, *Sclerotinia* *sclerotiorum*

Confirmed: 1

1 - Belly Rot, *Rhizoctonia* *solani*

Confirmed: 1

1 - Glomerella Canker, *Glomerella* (*Colletotrichum*) *cingulata* (*gloeosporioides*)

Confirmed: 1

1 - Watermelon Mosaic, Watermelon Mosaic Virus (WMV)

Confirmed: 1

1 - Cucurbit gummy stem blight, *Didymella (Ascochyta) bryoniae* (cucumis)

Confirmed: 1

1 - Sclerotinia crown rot, *Sclerotinia* sp./spp.

Confirmed: 1

1 - Black Rot, *Guignardia bidwellii*

Confirmed: 1

1 - Hibiscus sawfly (Hollyhock), *Atomacera decepta*

Confirmed: 1

1 - Ascochyta Blight, *Ascochyta gossypii*

Confirmed: 1

1 - Woolly Aphids, Families aphididae(part)

Confirmed: 1

1 - Plum Curculio, *Conotrachelus nenuphar*

Confirmed: 1

1 - Phomopsis canker and twig blight, *Diaporthe (Phomopsis) vaccinii*

Confirmed: 1

3 - Cold injury, Abiotic

Confirmed: 2

Suspected: 1

1 - Armored scale, *Quernaspis quercus*

Suspected: 1

2 - Blueberry Dieback, *Diaporthe (Phomopsis) vaccinii*

Confirmed: 2

3 - Plant Identification, Identification analysis

Confirmed: 3

1 - Ivy bacterial leaf spot, *Xanthomonas campestris* pv. *hederae*

Confirmed: 1

8 - High temperature damage, Abiotic disorder

Suspected: 8

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

Confirmed: 4

Suspected: 1

1 - Yew Twig Blight, *Phyllostictina hysterella*

Confirmed: 1

7 - Southern Blight, *Athelia (Corticium) (ana. Sclerotium) rolfsii*

Confirmed: 6

Suspected: 1

2 - Angular leaf spot, *Cercospora* sp./spp.

Confirmed: 1

Suspected: 1

2 - Cucurbit bacterial wilt, *Erwinia tracheiphila*

Confirmed: 1

Suspected: 1

1 - Narrow Brown Leaf Spot, *Cercospora oryzae*

Confirmed: 1

5 - White grubs (Scarab beetles), Family Scarabaeidae

Confirmed: 5

1 - Squash vine borer, *Melittia cucurbitae*

Confirmed: 1

1 - Asparagus beetle, *Crioceris asparagi*

Confirmed: 1

1 - Temperature Induced Path., Abiotic disorder

Confirmed: 1

13 - Pythium blight; Cottony blight, *Pythium* sp./spp.

Confirmed: 13

3 - Bacterial canker, *Pseudomonas syringae*

Confirmed: 3

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

Confirmed: 2

2 - Azalea flower blight, *Ovulinia azaleae*

Confirmed: 2

3 - Damping Off, *Pythium* sp./spp.

Confirmed: 3

1 - Coryneum Canker, *Seiridium* sp./spp.

Confirmed: 1

1 - Grass Head Smut, *Ustilago bullata*

Confirmed: 1

2 - Squash bug, *Anasa tristis*

Confirmed: 1

Suspected: 1

1 - Phytophthora fruit rot, *Phytophthora cactorum*

Confirmed: 1

1 - Anthracnose; Leaf blight, *Colletotrichum truncatum*

Confirmed: 1

1 - Walnut blister mite, *Eriophyes erinea*

Confirmed: 1

2 - Bacterial wetwood; Slime flux, Various Pathogens

Suspected: 2

3 - Phomopsis dieback; Tip blight; Canker, Phomopsis sp./spp.

Confirmed: 3

1 - Yew Leaf; Twig Blight, Dothiora (Sphaerulina) taxicola

Confirmed: 1

1 - Graminicola downy mildew, Sclerospora graminicola

Confirmed: 1

1 - Roundheaded wood borers (LHB), Family Cerambycidae

Suspected: 1

3 - Dogwood powdery mildew, Erysiphe pulchra

Confirmed: 3

5 - Herbicide carryover, Abiotic disorder

Confirmed: 1

Suspected: 4

6 - Chemical injury, Abiotic disorder

Confirmed: 2

Suspected: 4

7 - Dollar Spot, Sclerotinia (Lanzia and Moellerodiscus) homeocarpa (spp.)

Confirmed: 7

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

Confirmed: 1

16 - Spring dead spot, *Ophiosphaerella* sp./spp.

Confirmed: 14

Suspected: 2

1 - Blueberry leaf spot, *Diaporthe* (*Phomopsis*) *vaccinii*

Confirmed: 1

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

Confirmed: 1

2 - Soybean frog-eye leaf spot, *Cercospora sojae*

Confirmed: 2

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

Confirmed: 2

4 - Physiological responses, Abiotic disorder

Confirmed: 1

Suspected: 3

9 - Adequate Sample, Identification Analysis

Confirmed: 5

Inconclusive: 1

Suspected: 3

1 - Wheat Stripe Rust, *Puccinia striiformis*

Confirmed: 1

6 - Mummy berry, *Monilinia vaccinii-corymbosi*

Confirmed: 5

Suspected: 1

2 - Phoma rot, *Phoma destructiva*

Confirmed: 2

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

Confirmed: 2

2 - Leaf Spot, *Cercospora rosicola*

Confirmed: 2

31 - Fire blight, *Erwinia amylovora*

Confirmed: 29

Suspected: 2

4 - Anthracnose Stalk Rot, *Glomerella (Colletotrichum) graminicola*

Confirmed: 4

1 - Magnolia dieback, *Shearia fusa*

Confirmed: 1

1 - Rust, *Coleosporium* spp

Confirmed: 1

2 - Anthracnose, *Kabatella* (*Aureobasidium*) *apocrypta* (*apocryptum*)

Confirmed: 1

Suspected: 1

2 - Dogwood Spot Anthracnose, *Elsinoe corni*

Confirmed: 2

1 - Camellia Yellow Mottle, Camellia Yellow Mottle Virus

Suspected: 1

1 - Leather Rot (Strawberry), *Phytophthora cactorum*

Suspected: 1

8 - Canker, Unspecified causal

Confirmed: 4

Inconclusive: 2

Suspected: 2

5 - Black Knot, *Apiosporina morbosa*

Confirmed: 5

8 - Peach bacterial gummosis, *Pseudomonas syringae*

Confirmed: 6

Suspected: 2

6 - Tomato Mosaic, Tobacco Mosaic Virus (TMV)

Confirmed: 6

19 - Verticillium wilt, Verticillium sp./spp.

Confirmed: 3

Not Detected: 6

Suspected: 10

2 - Broad mite, Polyphagotarsonemus latus

Confirmed: 2

5 - Phomopsis blight, Phomopsis sp./spp.

Confirmed: 5

3 - Yellow tuft, Sclerophthora (Phytophthora) macrospora

Confirmed: 3

1 - Anthracnose; Black spot, Stegophora (Gnomonia) ulmea

Confirmed: 1

4 - Hail damage, Abiotic disorder

Confirmed: 2

Suspected: 2

2 - Cercospora stem blight, Cercospora sp./spp.

Confirmed: 2

3 - Gall wasps, Family Cynipidae

Confirmed: 3

1 - Onion smudge, *Colletotrichum circinans*

Confirmed: 1

2 - Cucumber beetles, Subfamily Galerucinae

Confirmed: 1

Suspected: 1

52 - No pathogens recovered,

Confirmed: 21

Inconclusive: 25

Not Detected: 3

Suspected: 3

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

Confirmed: 1

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

Confirmed: 2

1 - Needle Cast; Blight, *Passalora* (*Cercospora*) *sequoiae*

Confirmed: 1

1 - Slime Mold, Class myxomycetes; myxomycota

Suspected: 1

1 - Potexvirus Group, Potexvirus Group

Confirmed: 1

1 - Alternaria fruit rot and spot, *Alternaria* sp./spp.

Confirmed: 1

2 - Brown Spot Needle Blight, *Mycosphaerella dearnessii*

Confirmed: 1

Suspected: 1

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

Confirmed: 1

2 - Spur blight, *Didymella (Phoma) applanata (rubicola)*

Confirmed: 2

1 - Lantana lace bug, *Teleonemia scrupulosa*

Confirmed: 1

2 - Root Rot, Various Fungi sp./spp.

Suspected: 2

11 - Fusarium Wilt Complex, *Fusarium* sp./spp.

Confirmed: 10

Suspected: 1

2 - *Phymatotrichum* root rot, *Phymatotrichopsis (Phymatotrichum) omnivora* (omnivorum)

Suspected: 2

2 - Oak decline, Complex of Biotic; Abiotic Factors

Suspected: 2

2 - Peach leaf curl, *Taphrina deformans*

Confirmed: 2

2 - Catface, Abiotic disorder

Confirmed: 1

Suspected: 1

1 - Sunburn,

Suspected: 1

1 - Azalea bark scale, *Eriococcus azaleae*

Confirmed: 1

1 - Arabis Mosaic, Arabis Mosaic Virus (ARMV)

Confirmed: 1

1 - Grapevine Bacterial Blight, *Xylophilis ampelina*

Suspected: 1

2 - Phomopsis Canker, *Phomopsis* sp./spp.

Confirmed: 2

12 - Abnormal Root Development, Unknown Agent

Inconclusive: 1

Suspected: 11

3 - Needle Blight, *Cercospora (pseudocercospora) juniperi*

Confirmed: 3

3 - Bark beetles; Ambrosia beetles, Family Scolytidae

Confirmed: 3

27 - Herbicide injury; Exposure, Abiotic disorder

Confirmed: 2

Suspected: 25

1 - Blast, *Spermospora subulata*

Confirmed: 1

3 - Cane Blight; Canker, *Leptosphaeria (Coniothyrium) coniothyrium (fuckelli)*

Confirmed: 3

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

Confirmed: 2