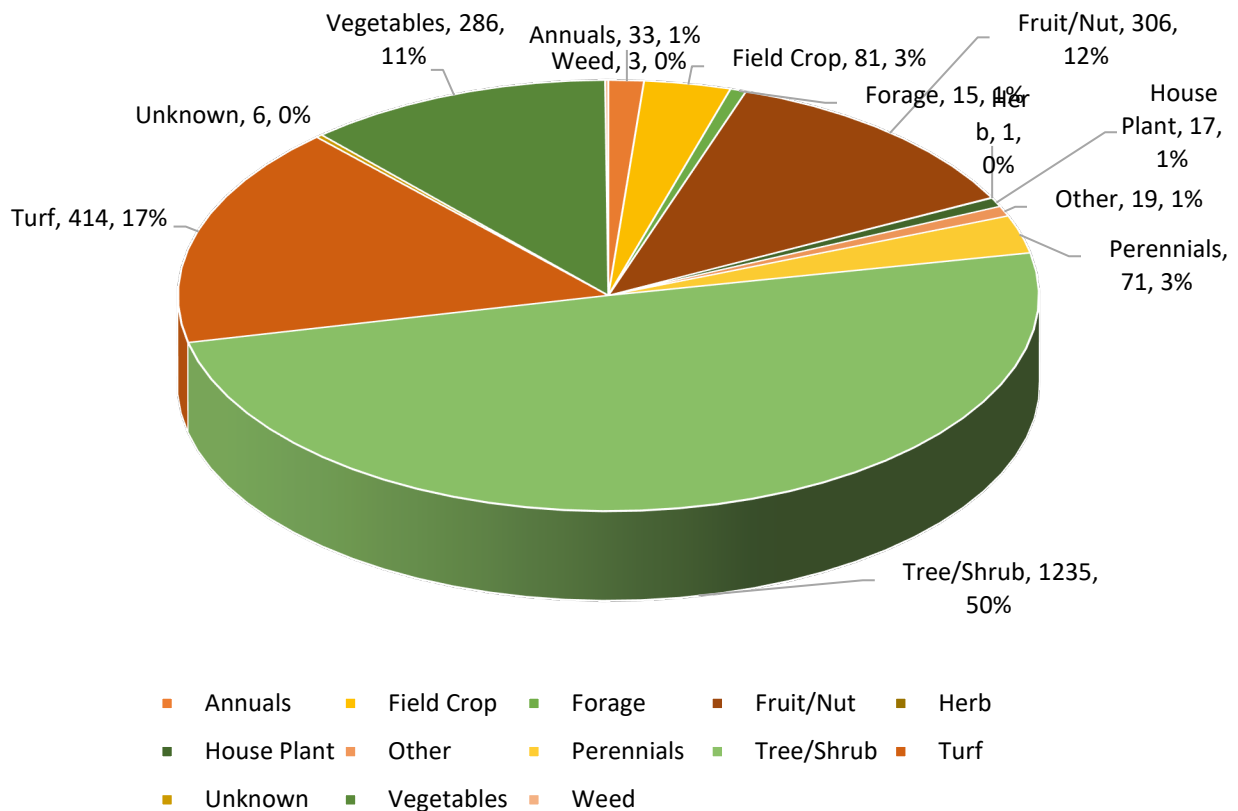


## Plant Health Clinic 2020 Summary Report

The Plant Health Clinic received 2485 plant samples for calendar year 2020. Sample numbers were down due to the covid shutdown of the lab. Horticultural samples continue to follow the trend of recent years by comprising the largest percentage of samples received. The largest category of samples in 2020 was for the category Trees/shrubs (50%) with 1235 samples, followed by Turf (17%), with 414 samples, Fruit/nut (12%), with 306 samples, Vegetables (11%), with 286 samples, Perennials (3%) with 71 samples, Field Crops (3%), with 81 samples. Annuals (1%), with 31 samples. the remaining 3% divided among weed samples, forage, herb, houseplants, and unknown.

### Plant Health Clinic Samples January 1, 2020-January 1, 2021



<b>Plant Health Samples submitted</b>	<b>2485</b>
Annuals	33
Field Crop	81
Forage	15
Fruit/Nut	306
Herb	1
House Plant	17
Other	19
Perennials	71
Tree/Shrub	1235
Turf	414
Unknown	6
Vegetables	286
Weed	3

District	Plant Health Samples Submitted
Out of State	29
Delta	525
Ouachita	1075
Ozark	856
<b>Total</b>	<b>2485</b>

Month	Plant Health Samples Submitted
January	<b>62</b>
Week 1	1
Week 2	20
Week 3	13
Week 4	12
Week 5	16
February	<b>69</b>
Week 6	17
Week 7	19
Week 8	23
Week 9	10
March	<b>84</b>
Week 10	26
Week 11	28
Week 12	9
Week 13	14
Week 14	7

April	<b>104</b>
Week 14	8
Week 15	15
Week 16	15
Week 17	31
Week 18	35
May	<b>210</b>
Week 18	7
Week 19	49
Week 20	43
Week 21	78
Week 22	33
June	<b>588</b>
Week 23	132
Week 24	134
Week 25	119
Week 26	144
Week 27	59
July	<b>417</b>
Week 27	16
Week 28	118
Week 29	95
Week 30	89
Week 31	99
August	<b>397</b>
Week 32	124
Week 33	96
Week 34	92
Week 35	69
Week 36	16
September	<b>273</b>
Week 36	42
Week 37	59
Week 38	85
Week 39	51
Week 40	36
October	<b>198</b>
Week 40	20
Week 41	55
Week 42	62
Week 43	34
Week 44	27
November	<b>57</b>
Week 45	23
Week 46	21
Week 47	7

Week 48  
 December  
 Week 49  
 Week 50  
 Week 51

6  
**26**  
 5  
 15  
 6

**Plant Health Total 2485**

<b>County</b>	<b>Plant Health Samples Submitted</b>	<b>County</b>	<b>Plant Health Clinic Samples Submitted</b>
Arkansas	61	Baxter	57
Benton	61	Boone	39
Bradley	12	Carroll	40
Clark	34	Clay	40
Cleburne	13	Cleveland	1
Columbia	2	Conway	7
Craighead	110	Crawford	36
Crittenden	19	Cross	4
Desha	0	Drew	4
Faulkner	65	Franklin	2
Fulton	8	Garland	282
Grant	6	Greene	17
Hempstead	3	Hot Spring	30
Howard	11	Independence	27
Izard	17	Jackson	23
Johnson	5	Lafayette	2
Lawrence	22	Lee	1
Lincoln	5	Little River	49
Logan	7	Lonoke	14
Madison	0	Marion	22
Monroe	16	Montgomery	27
NA	1	Nevada	15
Newton	11	Ouachita	11
Out of State	28	Perry	4
Phillips	14	Pike	1
Poinsett	11	Polk	1
Pope	36	Prairie	12
Pulaski	345	Randolph	3
Saline	149	Searcy	4
Sebastian	32	Sevier	3
Sharp	12	St. Francis	14
Stone	4	Van Buren	3
Washington	347	White	95
Woodruff	5	Yell	1

- 4 - Bacterial leaf spot, *Xanthomonas campestris campestris*  
Confirmed: 4
- 1 - Juniper scale, *Carulaspis juniperi*  
Confirmed: 1
- 1 - Bacterial blight, *Pseudomonas syringae* pv. *alisalensis*  
Confirmed: 1
- 1 - Phymatotrichum root rot, *Phymatotrichopsis omnivora*  
Confirmed: 1
- 4 - Lesser peachtree borer, *Synanthedon pictipes*  
Confirmed: 1  
Suspected: 3
- 4 - Anthracnose, *Colletotrichum orbiculare*  
Confirmed: 2  
Suspected: 2
- 1 - Needle blight, *Mycosphaerella* sp./spp.  
Confirmed: 1
- 2 - Wood rot; White rot, *Irpex lacteus*  
Suspected: 2
- 21 - Scale insects, Order homoptera  
Confirmed: 20  
Suspected: 1
- 1 - Henbit, *Lamium amplexicaule*  
Suspected: 1
- 4 - Potassium deficiency, Abiotic disorder  
Suspected: 4
- 1 - Leucostoma canker, *Leucostoma* sp./spp.  
Suspected: 1
- 1 - Northern corn leaf blight; Leaf spot, *Exserohilum turcicum*  
Confirmed: 1
- 29 - Tomato bacterial speck, *Pseudomonas tomato*  
Confirmed: 22  
Suspected: 7

- 7 - Viruses, Viruses  
Not Detected: 5  
Suspected: 2
- 1 - , Unidentified Fungus  
Confirmed: 1
- 1 - Canker, *Dothiorella* sp./spp.  
Confirmed: 1
- 3 - Dogwood leaf spot, *Septoria cornicola*  
Confirmed: 3
- 1 - Potato early dying; Verticillium wilt, *Verticillium* sp./spp.  
Suspected: 1
- 10 - Leaf spot, *Tubakia dryina*  
Confirmed: 8  
Suspected: 2
- 1 - Mealybugs, Family Pseudococcidae  
Suspected: 1
- 3 - Fig rust, *Cerotelium fici*  
Confirmed: 2  
Suspected: 1
- 1 - Sour rot, Multiple Pathogens  
Suspected: 1
- 1 - Flatheaded wood borer, *Chrysobothris* sp./spp.  
Suspected: 1
- 1 - Canker; Coral spot; Blight; Dieback, *Nectria cinnabarina*  
Confirmed: 1
- 10 - Rose rosette disease (RRV), Emaravirus Rose Rosette Virus  
Confirmed: 8  
Suspected: 2
- 1 - Black turpentine beetle, *Dendroctonus terebrans*  
Confirmed: 1
- 3 - Gray leaf spot, *Pyricularia grisea*  
Confirmed: 3

- 1 - Pine wilt nematode (Pinewood), *Bursaphelenchus xylophilus*  
Suspected: 1
  
- 1 - Pecan leaf Phylloxera, *Phylloxera notabilis*  
Confirmed: 1
  
- 44 - Pythium root and/or crown rot, *Pythium* sp./spp.  
Confirmed: 39  
Suspected: 5
  
- 1 - Bacterial stripe, *Pseudomonas* sp./spp.  
Suspected: 1
  
- 13 - Bacterial leaf spot, *Xanthomonas arboricola* pv. *pruni*  
Confirmed: 11  
Suspected: 2
  
- 2 - Squash mosaic (SQMV), Comovirus Squash Mosaic Virus  
Confirmed: 1  
Suspected: 1
  
- 5 - Maple canker, *Stegonsporium* sp./spp.  
Confirmed: 5
  
- 4 - Dieback; Canker, *Seiridium* sp./spp.  
Suspected: 4
  
- 1 - Spiny witch-hazel aphid, *Hamamelistes spinosus*  
Confirmed: 1
  
- 11 - Anthracnose, *Discula quercina*  
Confirmed: 10  
Suspected: 1
  
- 1 - Leaf spot, *Pestalotiopsis* sp./spp.  
Confirmed: 1
  
- 12 - Azalea leaf spot, *Pseudocercospora handelii*  
Confirmed: 10  
Suspected: 2
  
- 3 - Branch and tip blight, *Passalora sequoiae*  
Confirmed: 3
  
- 1 - , *Rhytisma punctatum*

Confirmed: 1

1 - Bacterial blight, *Xanthomonas campestris*

Confirmed: 1

87 - Insufficient sample, Identification Analysis

Confirmed: 87

5 - Gouty oak gall wasp, *Callirhytis quercus*

Confirmed: 4

Suspected: 1

2 - Phototoxicity, Abiotic disorder

Confirmed: 1

Suspected: 1

1 - Undetermined injury, Identification Analysis

Suspected: 1

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

Confirmed: 1

1 - Redheaded pine sawfly, *Neodiprion lecontei*

Suspected: 1

12 - Maple anthracnose, *Aureobasidium apocryptum*

Confirmed: 11

Suspected: 1

1 - , Oomycetes

Suspected: 1

5 - Brown patch, *Rhizoctonia solani*

Confirmed: 5

1 - Heat and water stress, Abiotic disorder

Suspected: 1

1 - , Unidentified Spider

Confirmed: 1

1 - Blue-green algae, *Nostoc* sp./spp.

Confirmed: 1

1 - Blueberry maggot, *Rhagoletis mendax*

Suspected: 1



- 2 - Cercospora leaf spot, Pseudocercospora salicina  
Confirmed: 2
- 1 - Pyralid leafcutter, Synclita sp./spp.  
Confirmed: 1
- 4 - , Ips sp./spp.  
Suspected: 4
- 4 - Alternaria leaf spot, Alternaria sp./spp.  
Confirmed: 4
- 5 - Septoria leaf and cane spot, Sphaerulina westendorpii  
Confirmed: 5
- 1 - Cytospora canker; Dieback, Cytospora sp./spp.  
Suspected: 1
- 1 - Leaf rust; Rust, Puccinia sp./spp.  
Confirmed: 1
- 11 - Anthracnose, Elsinoe sp./spp.  
Confirmed: 7  
Suspected: 4
- 1 - Diplodia leaf streak, Stenocarpella macrospora  
Confirmed: 1
- 2 - Unspecified pathology, Coryneum sp./spp.  
Confirmed: 2
- 1 - Bean anthracnose, Colletotrichum lindemuthianum  
Confirmed: 1
- 1 - Blue mold rot, Penicillium sp./spp.  
Confirmed: 1
- 2 - Botrytis blight, Botrytis sp./spp.  
Confirmed: 2
- 1 - , Plant material; pollen/ tricombs  
Confirmed: 1
- 3 - Tobacco ringspot (TRSV), Nepovirus Tobacco Ringspot Virus  
Confirmed: 3

- 2 - Bitter rot, *Colletotrichum* sp./spp.  
Confirmed: 2
- 2 - Wood rot fungus, *Ganoderma* sp./spp.  
Confirmed: 2
- 1 - *Mycosphaerella* leaf spot, *Mycosphaerella* sp./spp.  
Confirmed: 1
- 20 - *Cercospora* leaf spot, *Cercospora* sp./spp.  
Confirmed: 16  
Suspected: 4
- 1 - Pythium fruit rot; Cottony leak, *Pythium* sp./spp.  
Confirmed: 1
- 12 - Charcoal rot, *Macrophomina phaseolina*  
Confirmed: 12
- 7 - Yellow-bellied sapsucker, *Sphyrapicus varius*  
Confirmed: 7
- 8 - Whiteflies, Family Aleyrodidae  
Confirmed: 7  
Suspected: 1
- 1 - *Phomopsis* gall, *Phomopsis* sp./spp.  
Confirmed: 1
- 6 - *Septoria* leaf spot, *Septoria lycopersici*  
Confirmed: 3  
Suspected: 3
- 6 - Peony leaf blotch, *Graphiopsis chlorocephala*  
Confirmed: 6
- 1 - *Cylindrosporium* leaf spot, *Cylindrosporium* sp./spp.  
Suspected: 1
- 1 - *Rhizoctonia* root rot, *Rhizoctonia* sp./spp.  
Confirmed: 1
- 3 - Bacterial leaf spot, *Xanthomonas* sp./spp.  
Confirmed: 2  
Suspected: 1

- 2 - Anthracnose, *Colletotrichum* sp./spp.  
Confirmed: 1  
Suspected: 1
- 6 - Rust; Leaf rust, *Puccinia zoysiae*  
Confirmed: 6
- 3 - Tobacco mosaic (TMV), Tobamovirus Tobacco Mosaic Virus  
Confirmed: 3
- 1 - Birch anthracnose, *Ophiognomonia intermedia*  
Confirmed: 1
- 1 - Cherry leaf beetle, *Pyrrhalta cavicollis*  
Confirmed: 1
- 1 - Moss, General  
Confirmed: 1
- 1 - Bacterial soft rot, *Erwinia* sp./spp.  
Confirmed: 1
- 2 - Anthracnose; Twig dieback, *Colletotrichum* sp./spp.  
Confirmed: 1  
Suspected: 1
- 1 - Ficus rust; Fig rust, *Uredo ficina*  
Suspected: 1
- 5 - Pestalotia leaf blight, *Pestalotia cryptomeriae*  
Confirmed: 5
- 1 - Cabbage looper, *Trichoplusia ni*  
Suspected: 1
- 88 - No pathogen found, Identification Analysis  
Confirmed: 88
- 4 - Bacterial canker, *Pseudomonas syringae syringae*  
Confirmed: 2  
Suspected: 2
- 1 - Leaf spot, *Elsinoe* sp./spp.  
Confirmed: 1

- 10 - Chemical; Environmental injury, Abiotic disorder  
Suspected: 10
- 5 - Rhizosphaera needle cast, Rhizosphaera sp./spp.  
Confirmed: 5
- 4 - Soybean brown spot, Septoria glycines  
Confirmed: 4
- 3 - Spider mite, Tetranychus sp./spp.  
Confirmed: 2  
Suspected: 1
- 5 - Root rot, Thielaviopsis sp./spp.  
Confirmed: 4  
Suspected: 1
- 2 - Canker, Unidentified Agent  
Suspected: 2
- 21 - Oedema; Edema, Abiotic disorder  
Confirmed: 21
- 1 - Bacterial leaf spot, Pseudomonas syringae  
Suspected: 1
- 1 - Cypress tip moth, Argylesthia cupressella  
Confirmed: 1
- 1 - Adventitious buds, Abiotic disorder  
Confirmed: 1
- 2 - Azalea leaf scorch, Septoria azalea  
Confirmed: 1  
Suspected: 1
- 1 - Fusarium Wilt, Fusarium oxysporum f.sp. lycopersici  
Confirmed: 1
- 1 - Honey mushroom, Armillaria sp./spp.  
Suspected: 1
- 1 - Gracillariid leafminer, Cameraria sp./spp.  
Confirmed: 1
- 1 - Unspecified pathology, Phyllosticta sp./spp.

- Confirmed: 1
- 12 - Freeze; Frost; Cold damage, Abiotic disorder  
Confirmed: 1  
Suspected: 11
- 3 - Cucumber scab; Gummosis, *Cladosporium cucumerinum*  
Confirmed: 3
- 3 - Dieback; Canker; Twig blight, *Botryosphaeria* sp./spp.  
Confirmed: 2  
Suspected: 1
- 1 - Botrytis damping off, *Botrytis* sp./spp.  
Confirmed: 1
- 1 - Twolined spittlebug, *Prosapia bicincta*  
Confirmed: 1
- 2 - Black root rot, *Berkeleyomyces basicola*  
Confirmed: 2
- 4 - Oak lace bug, *Corythucha arcuata*  
Confirmed: 4
- 1 - Heat stress, Abiotic disorder  
Suspected: 1
- 15 - Natural senescence, Abiotic disorder  
Confirmed: 4  
Suspected: 11
- 1 - Canker, *Valsa ceratosperma*  
Confirmed: 1
- 1 - Stewart's wilt, *Pantoea (Erwinia) stewartii* ssp. s  
Suspected: 1
- 1 - Crown gall, *Agrobacterium tumefaciens*  
Confirmed: 1
- 4 - High pH damage, Abiotic disorder  
Suspected: 4
- 2 - Tomato spotted wilt (TSWV), *Tospovirus Tomato Spotted Wilt Virus*  
Confirmed: 2

- 1 - Spot anthracnose, *Elsinoe veneta*  
Confirmed: 1
  
- 27 - Cypress canker, *Seiridium cardinale*  
Confirmed: 21  
Suspected: 6
  
- 5 - Cedar-quince rust, *Gymnosporangium clavipes*  
Confirmed: 5
  
- 1 - Algae, General  
Confirmed: 1
  
- 1 - Grape downy mildew, *Plasmopara viticola*  
Suspected: 1
  
- 3 - Early blight; Leaf spot, *Alternaria solani*  
Confirmed: 3
  
- 1 - Bitter rot, *Greeneria uvicola*  
Confirmed: 1
  
- 1 - Anthracnose fruit rot, *Colletotrichum coccodes*  
Confirmed: 1
  
- 4 - Flea beetles, Subfamily Alticinae  
Confirmed: 2  
Suspected: 2
  
- 1 - Brown spot; Needle blight, *Mycosphaerella acicola*  
Confirmed: 1
  
- 179 - Crown and root rot, *Phytophthora* sp./spp.  
Confirmed: 106  
Not Detected: 2  
Suspected: 71
  
- 3 - *Pestalotia dieback*, *Pestalotia* sp./spp.  
Confirmed: 2  
Suspected: 1
  
- 1 - Lettuce bacterial leaf spot, *Xanthomonas campestris* pv. *vitians*  
Suspected: 1
  
- 3 - Bacterial leaf spot, *Xanthomonas campestris* pv. *poinsetticola*

Confirmed: 1  
Suspected: 2

1 - Eastern filbert blight, *Anisogramma anomala*  
Suspected: 1

4 - Black rot, *Phyllosticta ampellicida*  
Confirmed: 4

2 - Pales weevil, *Hylobius pales*  
Confirmed: 1  
Suspected: 1

1 - Hickory leaf stem gall aphid, *Phylloxera caryaecaulis*  
Confirmed: 1

1 - Basal canker; Butt rot, *Kretzschmaria deusta*  
Suspected: 1

2 - Willow black canker, *Colletotrichum salicis*  
Confirmed: 2

6 - Euonymus scale, *Unaspis euonymi*  
Confirmed: 5  
Suspected: 1

34 - Spider mites, Family Tetranychidae  
Confirmed: 31  
Suspected: 3

2 - Hawthorn leaf blight, *Entomosporium thuemenii*  
Confirmed: 2

4 - Slime mold, Class Myxogastria; Mycetozoa  
Confirmed: 1  
Suspected: 3

1 - Bean brown spot blight, *Pseudomonas syringae*  
Confirmed: 1

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

2 - Baldcypress rust mite, *Epitrimerus taxodii*  
Confirmed: 2

- 2 - , Unidentified Canker  
Suspected: 2
- 9 - Crown and root rot, Unidentified Agent  
Suspected: 9
- 4 - Sirococcus needle blight, Sirococcus sp./spp.  
Confirmed: 4
- 1 - Canker; Dieback; Leaf blight, Fusicoccum sp./spp.  
Confirmed: 1
- 1 - Slugs, Mollusca; Gastropoda  
Suspected: 1
- 1 - Bacterial blight, Xanthomonas sp./spp.  
Confirmed: 1
- 6 - Soybean Phytophthora root and stem rot, Phytophthora sojae  
Confirmed: 6
- 1 - Grape leafroller, Desmia funeralis  
Confirmed: 1
- 11 - Insufficient information, Identification Analysis  
Confirmed: 11
- 6 - Bacterial leaf spot, Unidentified Bacteria  
Confirmed: 3  
Suspected: 3
- 1 - Iris leaf spot, Cladosporium iridis  
Confirmed: 1
- 1 - Secondary fungus, Pestalotia sp./spp.  
Confirmed: 1
- 1 - Walnut anthracnose, Ophiognomonia leptostyla  
Confirmed: 1
- 2 - Holly leafminer, Phytomyza ilicis  
Confirmed: 1  
Suspected: 1
- 1 - Powdery mildew, Podosphaera xanthii  
Confirmed: 1



- 7 - Nutritional deficiency, Abiotic disorder  
Suspected: 7
- 1 - Eutypella canker dieback, Eutypella parasitica  
Suspected: 1
- 1 - Fertilizer injury, Abiotic disorder  
Suspected: 1
- 2 - Thrips, Order thysanoptera  
Confirmed: 2
- 1 - , Erwinia amylovora  
Not Detected: 1
- 1 - White peach scale, Pseudaulacaspis pentagona  
Confirmed: 1
- 1 - Cicada egg-laying injury, Unidentified Cicada  
Confirmed: 1
- 1 - Apple blight, Diaporthe mali  
Confirmed: 1
- 5 - Spot anthracnose, Elsinoe corni  
Confirmed: 5
- 1 - Southern red mite, Oligonychus ilicis  
Confirmed: 1
- 1 - Ripe rot, Colletotrichum phomoides  
Suspected: 1
- 1 - Mallow rust; Hollyhock rust, Puccinia malvacearum  
Confirmed: 1
- 1 - Roly poly oak gall, Andricus palytes  
Suspected: 1
- 1 - Leaf spot, Cercospora zinniae  
Confirmed: 1
- 5 - Dogwood borer, Synanthedon scitula  
Confirmed: 2  
Suspected: 3

- 9 - Rust, *Gymnosporangium* sp./spp.  
Confirmed: 8  
Suspected: 1
  
- 6 - Oak leaf blister, *Taphrina caerulescens*  
Confirmed: 4  
Suspected: 2
  
- 2 - Camellia scale, *Lepidosaphes camelliae*  
Confirmed: 2
  
- 9 - Pestalotiopsis needle blight; Tip blight, *Pestalotiopsis* sp./spp.  
Confirmed: 8  
Suspected: 1
  
- 2 - , *Exobasidium vaccinii*  
Confirmed: 2
  
- 11 - Southern blight, *Sclerotium rolfsii*  
Confirmed: 11
  
- 1 - Leaf spot, Various Fungi  
Suspected: 1
  
- 1 - Boron deficiency, Abiotic disorder  
Suspected: 1
  
- 9 - Normal plant growth, Identification Analysis  
Confirmed: 5  
Suspected: 4
  
- 2 - Phomopsis tip blight; Needle blight, *Phomopsis juniperovora*  
Confirmed: 1  
Suspected: 1
  
- 2 - *Cercospora* leaf spot, *Pseudocercospora cornicola*  
Confirmed: 2
  
- 2 - Herbicide injury- G#9 Glyphosate, Abiotic disorder  
Suspected: 2
  
- 6 - Scorch, Abiotic disorder  
Confirmed: 4  
Suspected: 2

- 1 - Bud and twig blight, *Seifertia azaleae*  
Confirmed: 1
- 1 - Phoma blight; Dieback; Rot, *Phoma* sp./spp.  
Suspected: 1
- 2 - Canker, Unidentified fungus  
Suspected: 2
- 2 - , Unidentified Insect  
Confirmed: 2
- 1 - Rose mosaic (PNRSV), Ilarvirus Prunus Necrotic Ringspot Virus  
Confirmed: 1
- 4 - Bagworm moths, Family Psychidae  
Confirmed: 4
- 7 - Pythium damping off, *Pythium* sp./spp.  
Confirmed: 6  
Suspected: 1
- 1 - Hickory leaf stem gallmakers, *Phylloxera* sp./spp.  
Confirmed: 1
- 2 - Laurel wilt, *Raffaelea lauricola*  
Confirmed: 1  
Suspected: 1
- 5 - Azalea lace bug, *Stephanitis pyrioides*  
Confirmed: 5
- 1 - , *Verticillium* sp./spp.  
Suspected: 1
- 5 - Rose brown canker, *Cryptosporella umbrina*  
Confirmed: 3  
Suspected: 2
- 1 - Dutch elm disease, *Ophiostoma* sp./spp.  
Suspected: 1
- 3 - Dogwood anthracnose, *Discula destructiva*  
Confirmed: 2  
Suspected: 1

- 1 - Azalea leafminer, *Caloptilia azaleella*  
Confirmed: 1
- 1 - Ripe rot, *Colletotrichum* sp./spp.  
Confirmed: 1
- 1 - Willow leaf spot; Twig blight; Scab, *Venturia chlorospora*  
Confirmed: 1
- 3 - Mulberry leaf spot, *Cercospora mori*  
Confirmed: 3
- 2 - White spot, *Cercospora* sp./spp.  
Confirmed: 2
- 2 - Roundheaded wood borers, Family *Cerambycidae*  
Suspected: 2
- 11 - *Helminthosporium* leaf spot, *Bipolaris cynodontis*  
Confirmed: 10  
Suspected: 1
- 1 - Cedar-hawthorn rust, *Gymnosporangium globosum*  
Confirmed: 1
- 1 - Leaf blight; Stem blight; Stem canker, *Boeremia exigua*  
Confirmed: 1
- 1 - *Phomopsis* seed decay, *Phomopsis* sp./spp.  
Confirmed: 1
- 2 - , Identification Analysis  
Confirmed: 1  
Suspected: 1
- 1 - Cottony mapleleaf scale, *Pulvinaria acericola*  
Confirmed: 1
- 1 - Leaf spot, *Diplocarpon mespili*  
Confirmed: 1
- 195 - Large patch, *Rhizoctonia solani*  
Confirmed: 163  
Suspected: 32
- 1 - *Dothistroma* needle blight, *Dothistroma* sp./spp.

Confirmed: 1

- 1 - Oriental fruit moth braconid, *Macrocentrus ancyliivorus*  
Confirmed: 1
  
- 5 - Oak twig canker and dieback, *Botryosphaeria quercuum*  
Confirmed: 2  
Suspected: 3
  
- 1 - Sunflower root weevil, *Baris strenua*  
Confirmed: 1
  
- 3 - Rhizosphaera needle cast, *Rhizosphaera kalkhoffii*  
Confirmed: 2  
Suspected: 1
  
- 1 - Anthracnose fruit rot, *Colletotrichum* sp./spp.  
Confirmed: 1
  
- 7 - Fungal leaf spot, *Cercospora hydrangeae*  
Confirmed: 7
  
- 1 - Morningglory leafminer, *Bedellia somnulentella*  
Confirmed: 1
  
- 2 - , Viruses  
Not Detected: 2
  
- 1 - Cryptocline needle blight, *Cryptocline taxicola*  
Suspected: 1
  
- 1 - Southern corn rust, *Puccinia polysora*  
Confirmed: 1
  
- 1 - Dollar spot, *Clariireedia homoeocarpa*  
Confirmed: 1
  
- 2 - Phyllosticta leaf spot, *Phyllosticta* sp./spp.  
Suspected: 2
  
- 1 - Bacterial canker, Mixed bacterial species  
Suspected: 1
  
- 1 - Stalk borer, *Papaipema nebris*  
Confirmed: 1

- 1 - Yellownecked caterpillar, *Datana ministra*  
Suspected: 1
- 1 - Anthracnose, *Gnomonia* sp./spp.  
Confirmed: 1
- 1 - Daylily rust, *Puccinia hemerocallidis*  
Suspected: 1
- 1 - Praying mantis, *Hierodula patellifera*  
Confirmed: 1
- 56 - Root rot, Unidentified Agent  
Confirmed: 2  
Suspected: 54
- 1 - White mold, *Sclerotinia* sp./spp.  
Confirmed: 1
- 1 - , Lichenes  
Confirmed: 1
- 4 - Leucostoma canker, *Valsa cincta*  
Suspected: 4
- 4 - Cucurbit downy mildew, *Pseudoperonospora cubensis*  
Confirmed: 4
- 2 - Orangestriped oakworm, *Anisota senatoria*  
Confirmed: 2
- 20 - Leaf blight and spot; Shothole, *Blumeriella jaapii*  
Confirmed: 19  
Suspected: 1
- 1 - Poor pruning practice, Abiotic disorder  
Confirmed: 1
- 95 - Take all, *Gaeumannomyces graminis* var. *avenae*  
Confirmed: 78  
Suspected: 17
- 7 - Pecan leaf scorch mite, *Eotetranychus hickoriae*  
Confirmed: 6  
Not Detected: 1

- 1 - Pitch canker, *Fusarium* sp./spp.  
Suspected: 1
- 2 - Ash anthracnose, *Plagiostoma fraxinii*  
Confirmed: 1  
Suspected: 1
- 1 - Algal leaf spot, *Cephaleuros virescens*  
Confirmed: 1
- 1 - Botryosphaeria canker; Dieback, *Diplodia mutila*  
Confirmed: 1
- 16 - Boxwood Volutella blight; Canker, *Pseudonectria buxi*  
Confirmed: 11  
Suspected: 5
- 34 - Insect damage, Unidentified Insect  
Confirmed: 31  
Suspected: 3
- 2 - Adequate sample, Identification Analysis  
Confirmed: 2
- 1 - Globular hickory leaf gallmidge, *Phylloxera caryaeglobuli*  
Confirmed: 1
- 2 - Purple seed-stain; Leaf blight, *Cercospora kikuchii*  
Confirmed: 2
- 1 - Orange felt disease, *Cephaleuros virescens*  
Confirmed: 1
- 1 - Leaf spot; Downy spot, *Mycosphaerella caryigena*  
Confirmed: 1
- 1 - Wood rot fungus, *Stereum* sp./spp.  
Suspected: 1
- 1 - Leaf scorch; Pepper spot, *Leptosphaerulina crassiasca*  
Confirmed: 1
- 1 - Pecan bud moth, *Gretchena bolliana*  
Suspected: 1
- 1 - Bean Fusarium yellows, *Fusarium oxysporum* f.sp. *phaseoli*

- Suspected: 1
- 2 - *Discula anthracnose*, *Discula* sp./spp.  
Confirmed: 2
- 14 - Pecan; Hickory scab, *Fusicladium caryigenum*  
Confirmed: 12  
Suspected: 2
- 4 - Ash anthracnose, *Plagiostoma fraxinii*  
Confirmed: 2  
Suspected: 2
- 1 - Needle cast; Blight, *Passalora sequoiae*  
Confirmed: 1
- 1 - Australasian soybean rust, *Phakopsora pachyrhizi*  
Confirmed: 1
- 1 - White rust, *Albugo occidentalis*  
Confirmed: 1
- 3 - Bacterial blight, *Pseudomonas syringae syringae*  
Confirmed: 2  
Suspected: 1
- 10 - Crapemyrtle scale, *Eriococcus lagerstroemiae*  
Confirmed: 9  
Suspected: 1
- 1 - Phytoplasma disease, *Phytoplasma* sp./spp. unknown  
Confirmed: 1
- 4 - Littleleaf disease, *Phytophthora cinnamomi*  
Suspected: 4
- 1 - Tomato bacterial spot, *Xanthomonas perforans*  
Suspected: 1
- 1 - Rose downy mildew, *Peronospora sparsa*  
Suspected: 1
- 2 - Leaf spot, *Rosisphaerella rosicola*  
Confirmed: 2
- 1 - Verticillium wilt, *Verticillium dahliae*



- Confirmed: 1
- 2 - Pecan weevil, *Curculio caryae*  
Confirmed: 2
- 2 - Flatheaded appletree borer, *Chrysobothris femorata*  
Suspected: 2
- 6 - Greater peachtree borer, *Synanthedon exitiosa*  
Confirmed: 4  
Suspected: 2
- 2 - Leaf mold; Spot, *Passalora fulva*  
Confirmed: 1  
Suspected: 1
- 4 - Gummy stem blight, *Didymella* sp./spp.  
Confirmed: 3  
Suspected: 1
- 1 - White drupelet disorder, Abiotic Disorder  
Confirmed: 1
- 8 - Brown rot, *Monilia* sp./spp.  
Confirmed: 8
- 9 - Jumping oak gall wasp, *Neuroterus saltatorius*  
Confirmed: 9
- 6 - Anthracnose, *Colletotrichum fragariae*  
Confirmed: 3  
Not Detected: 1  
Suspected: 2
- 2 - Red band needle blight, *Dothistroma septosporum*  
Confirmed: 1  
Suspected: 1
- 2 - Wet rot; Fruit rot, *Choanephora cucurbitarum*  
Confirmed: 2
- 2 - Cryptocline leaf spot, *Cryptocline betularum*  
Confirmed: 2
- 2 - Sooty mold, Unidentified Fungus  
Confirmed: 2

- 1 - Twig blight, *Diaporthe* sp./spp.  
Confirmed: 1
  
- 6 - Cytospora canker, *Cytospora kunzei*  
Confirmed: 2  
Suspected: 4
  
- 1 - Mechanical damage, Abiotic disorder  
Suspected: 1
  
- 4 - Powdery mildew, *Podosphaera pannosa*  
Confirmed: 4
  
- 1 - Environmental stress; Problem, Abiotic disorder  
Suspected: 1
  
- 37 - Excessive water, Abiotic disorder  
Suspected: 37
  
- 4 - Septoria leaf blight, *Septoria lycopersici*  
Confirmed: 3  
Suspected: 1
  
- 2 - Blossom end rot, Abiotic disorder  
Confirmed: 2
  
- 1 - High soluble salt, Abiotic disorder  
Suspected: 1
  
- 1 - Dense thatch layer, Abiotic disorder  
Confirmed: 1
  
- 6 - Cedar-apple rust, *Gymnosporangium juniperi-virginianae*  
Confirmed: 6
  
- 1 - Magnesium deficiency, Abiotic disorder  
Confirmed: 1
  
- 1 - Target spot, *Corynespora cassiicola*  
Confirmed: 1
  
- 1 - Bramble downy mildew, *Peronospora sparsa*  
Confirmed: 1
  
- 1 - Oak leaf Phylloxeran, *Phylloxera glabra*

Confirmed: 1

1 - Tatters, Abiotic disorder

Confirmed: 1

1 - Yew twig blight, *Pestalotiopsis funerea*

Confirmed: 1

24 - Bacterial canker, *Clavibacter michiganensis michiganensis*

Confirmed: 20

Not Detected: 1

Suspected: 3

25 - Bacterial wilt, *Ralstonia solanacearum*

Confirmed: 22

Suspected: 3

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

Confirmed: 4

2 - Bacterial leaf spot, *Xanthomonas campestris zinniae*

Confirmed: 1

Suspected: 1

1 - Soybean anthracnose, *Colletotrichum destructivum*

Confirmed: 1

1 - Leaf spot and dieback, *Alternaria zinniae*

Confirmed: 1

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

Confirmed: 1

2 - Fusarium wilt, *Fusarium oxysporum*

Confirmed: 2

3 - Coryneum blight (Shothole), *Thyrostroma carpophilum*

Confirmed: 3

1 - Bacterial stem rot, *Erwinia carotovora carotovora*

Confirmed: 1

1 - Bacterial wilt; Canker; Rot, *Clavibacter michiganensis*

Confirmed: 1

2 - , Insect Gall

Confirmed: 2

5 - Phytophthora stem rot, *Phytophthora nicotianae* var. *parasitica*

Confirmed: 3

Suspected: 2

5 - Lichens, Lichenes

Confirmed: 5

12 - Herbicide drift, Abiotic disorder

Suspected: 12

4 - Roseslug, *Endelomyia aethiops*

Confirmed: 4

1 - Cucumber mosaic (CMV), *Cucumovirus* Cucumber Mosaic Virus

Confirmed: 1

1 - Bacterial pathogens, General

Suspected: 1

9 - Sunscald, Abiotic disorder

Confirmed: 3

Suspected: 6

1 - Camellia leaf gall, *Exobasidium camelliae*

Confirmed: 1

1 - Deer damage, Vertebrate Damage

Confirmed: 1

9 - Solitary oak leafminer, *Cameraria hamadryadella*

Confirmed: 7

Suspected: 2

1 - Black knot, *Apiosporina morbosa*

Confirmed: 1

1 - Artillery fungus, *Sphaerobolus stellatus*

Confirmed: 1

6 - Stink bugs, Family Pentatomidae

Confirmed: 4

Suspected: 2

1 - Leaf spot *Pestalotia*, *Pestalotiopsis palmarum*

Confirmed: 1

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

Confirmed: 1

1 - , Botryosphaeria sp./spp.

Confirmed: 1

1 - , Animal Damage

Suspected: 1

1 - Soybean bacterial blight, Pseudomonas syringae pv. glycinea

Confirmed: 1

14 - Seiridium canker, Seiridium unicorne

Confirmed: 6

Suspected: 8

2 - Collar rot, Diplodia sp./spp.

Confirmed: 2

1 - Nutritional analysis, Abiotic disorder

Suspected: 1

1 - Aphidlions (Green lacewings), Family Chrysopidae

Confirmed: 1

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

Confirmed: 2

6 - Crown rot; Root rot; Stem rot, Phytophthora sp./spp.

Confirmed: 3

Suspected: 3

2 - Pecan shoot Curculio complex, Conotrachelus aratus

Confirmed: 1

Suspected: 1

4 - Anthracnose; Black spot, Stegophora ulmea

Confirmed: 2

Suspected: 2

1 - Pine sawfly, Diprion pini

Suspected: 1

1 - Daylily aphid, Myzus hemerocallis

Confirmed: 1

7 - Plum Curculio, *Conotrachelus nenuphar*

Confirmed: 6

Suspected: 1

1 - Ganoderma rot of conifers, *Ganoderma tsugae*

Confirmed: 1

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

Confirmed: 7

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

Confirmed: 3

1 - High temperature damage, Abiotic disorder

Suspected: 1

15 - Cucurbit bacterial wilt, *Erwinia tracheiphila*

Confirmed: 14

Suspected: 1

3 - Redberry mite, *Acalitus essigi*

Confirmed: 3

3 - Clematis wilt; Clematis blight; Leaf spot, *Calophoma clematidina*

Confirmed: 2

Suspected: 1

2 - Squash vine borer, *Melittia cucurbitae*

Confirmed: 2

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

Confirmed: 1

1 - Japanese pear black spot, *Alternaria gaisen*

Suspected: 1

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

Suspected: 1

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

Confirmed: 68

Suspected: 10

2 - Emerald ash borer, *Agrilus planipennis*

Suspected: 2

7 - Hypoxylon canker, *Biscogniauxia atropunctata*

Confirmed: 1

Suspected: 6

2 - Phosphorus deficiency, Abiotic disorder

Suspected: 2

2 - Bacterial canker, *Pseudomonas syringae*

Confirmed: 1

Suspected: 1

1 - Bacterial gall, *Pseudomonas savastanoi*

Confirmed: 1

2 - Tomato; Pepper bacterial spot, *Xanthomonas campestris* pv. *vesicatoria*

Suspected: 2

1 - Anthracnose, *Colletotrichum gloeosporioides*

Confirmed: 1

1 - Squash bug, *Anasa tristis*

Suspected: 1

3 - Canker; Stem blight; Dieback, *Botryosphaeria dothidea*

Confirmed: 2

Suspected: 1

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

Confirmed: 1

Suspected: 1

16 - Bacterial wetwood; Slime flux, Various Pathogens

Confirmed: 11

Suspected: 5

1 - Bark beetle, *Scolytus* sp./spp.

Confirmed: 1

49 - , Abiotic disorder

Confirmed: 11

Suspected: 38

1 - Saprophytic fungus, *Chromelosporium* sp./spp.

Confirmed: 1

2 - Southern fusiforme rust, *Cronartium quercuum fusiforme*  
Confirmed: 2

4 - Dogwood powdery mildew, *Erysiphe pulchra*  
Confirmed: 4

1 - Bacterial blight, Unidentified Bacteria  
Confirmed: 1

3 - Maple leaf spot, *Phyllosticta minima*  
Confirmed: 2  
Suspected: 1

1 - Billbug, *Sphenophorus* sp./spp.  
Confirmed: 1

11 - Chemical injury, Abiotic disorder  
Confirmed: 1  
Suspected: 10

1 - Maple bladdergall mite, *Vasates quadripedes*  
Confirmed: 1

11 - Spring dead spot, *Ophiosphaerella* sp./spp.  
Confirmed: 7  
Suspected: 4

5 - Kabatina tip blight; Needle blight, *Kabatina juniperi*  
Confirmed: 1  
Suspected: 4

16 - , No Pathogen Found  
Confirmed: 15  
Suspected: 1

4 - Aphids; Plant lice, Family Aphididae  
Confirmed: 4

1 - Fungal pathogens, General  
Suspected: 1

1 - *Verticillium* dieback, *Verticillium* sp./spp.  
Confirmed: 1

4 - , Unidentified Wood Boring Insect



Confirmed: 3

Suspected: 1

1 - Cladoptosis, Abiotic disorder

Suspected: 1

1 - Hackberry lace bug, *Corythucha celtidis*

Confirmed: 1

1 - Bacterial spot, *Xanthomonas cucurbitae* (*campestris*) (*pv. cucurbitae*)

Confirmed: 1

11 - Fire blight, *Erwinia amylovora*

Confirmed: 3

Not Detected: 4

Suspected: 4

2 - Cryptomeria scale, *Aspidiotus cryptomeriae*

Confirmed: 2

2 - Pecan Phylloxera, *Phylloxera devastatrix*

Confirmed: 2

1 - Marssonina leaf spot, *Marssonina populi*

Suspected: 1

2 - Oak wilt, *Bretziella fagacearum*

Suspected: 2

1 - Anthracnose, *Colletotrichum coccodes*

Suspected: 1

21 - Verticillium wilt, *Verticillium sp./spp.*

Confirmed: 7

Not Detected: 1

Suspected: 13

1 - Crapemyrtle aphid, *Sarucallis* (*Tinocallis*) *kahawaluokalani*

Confirmed: 1

6 - Oak powdery mildew, *Erysiphe alphitoides* var. *alphitoides*

Confirmed: 6

6 - Broad mite, *Polyphagotarsonemus latus*

Confirmed: 6

- 1 - Phomopsis blight, *Phomopsis* sp./spp.  
Confirmed: 1
- 1 - Oak twig blight, *Coryneum kunzei*  
Confirmed: 1
- 1 - Leaf blotch, *Phyllosticta sphaeropsoidea*  
Confirmed: 1
- 1 - Macrophoma blight; Dieback, *Macrophoma* sp./spp.  
Confirmed: 1
- 1 - Gall wasps, Family Cynipidae  
Confirmed: 1
- 1 - , Complex of Biotic; Abiotic Factors  
Suspected: 1
- 3 - Phomopsis canker and twig blight, *Diaporthe vaccinii*  
Confirmed: 3
- 3 - Apple scab, *Venturia inaequalis*  
Confirmed: 3
- 1 - Rust, *Melampsora* sp./spp.  
Confirmed: 1
- 1 - Powdery mildew, *Microsphaera* sp./spp.  
Confirmed: 1
- 1 - Limb rot, *Rhizoctonia solani*  
Confirmed: 1
- 1 - Strumella canker, *Urnula craterium*  
Suspected: 1
- 1 - Powdery mildew, *Erysiphe polygoni*  
Suspected: 1
- 1 - Buckeye fruit and root rot, *Phytophthora capsici*  
Confirmed: 1
- 2 - Rust, *Puccinia cynodontis*  
Confirmed: 2
- 1 - Jelly fungus, *Tremella* sp./spp.

- Confirmed: 1
- 3 - Euonymus powdery mildew, *Erysiphe euonymi-japonici*  
Confirmed: 3
- 2 - Black spot (Rose), *Diplocarpon rosae*  
Confirmed: 2
- 6 - Root-knot nematodes, *Meloidogyne* sp./spp.  
Confirmed: 4  
Suspected: 2
- 2 - Hydrangea leaf blotch, *Septoria hydrangeae*  
Confirmed: 2
- 1 - Basil downy mildew, *Peronospora belbahrii*  
Suspected: 1
- 7 - Sycamore anthracnose, *Apiognomonia veneta*  
Confirmed: 3  
Suspected: 4
- 2 - Peach leaf curl, *Taphrina deformans*  
Confirmed: 2
- 3 - Azalea bark scale, *Eriococcus azaleae*  
Confirmed: 3
- 6 - Fabraea leaf and fruit spot, *Diplocarpon mespili*  
Confirmed: 4  
Suspected: 2
- 2 - Bacterial leaf scorch, *Xylella fastidiosa*  
Suspected: 2
- 5 - Boxwood *Macrophoma* leaf spot, *Dothiorella candollei*  
Confirmed: 4  
Suspected: 1
- 1 - Bacterial fruit blotch, *Acidovorax avenae citrulli*  
Suspected: 1
- 1 - Brown stripe, *Scolicotrichum graminis*  
Confirmed: 1
- 1 - Armillaria root rot, *Armillaria* sp./spp.

Suspected: 1

2 - Bark beetles; Ambrosia beetles, Family Scolytidae

Confirmed: 2

1 - Botrytis fruit rot, Botrytis sp./spp.

Confirmed: 1

1 - Pine sawflies, Family Diprionidae

Confirmed: 1

97 - Herbicide injury; Exposure, Abiotic disorder

Not Detected: 1

Suspected: 96

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

Confirmed: 1

1 - Brassica anthracnose, Colletotrichum higginsianum

Suspected: 1