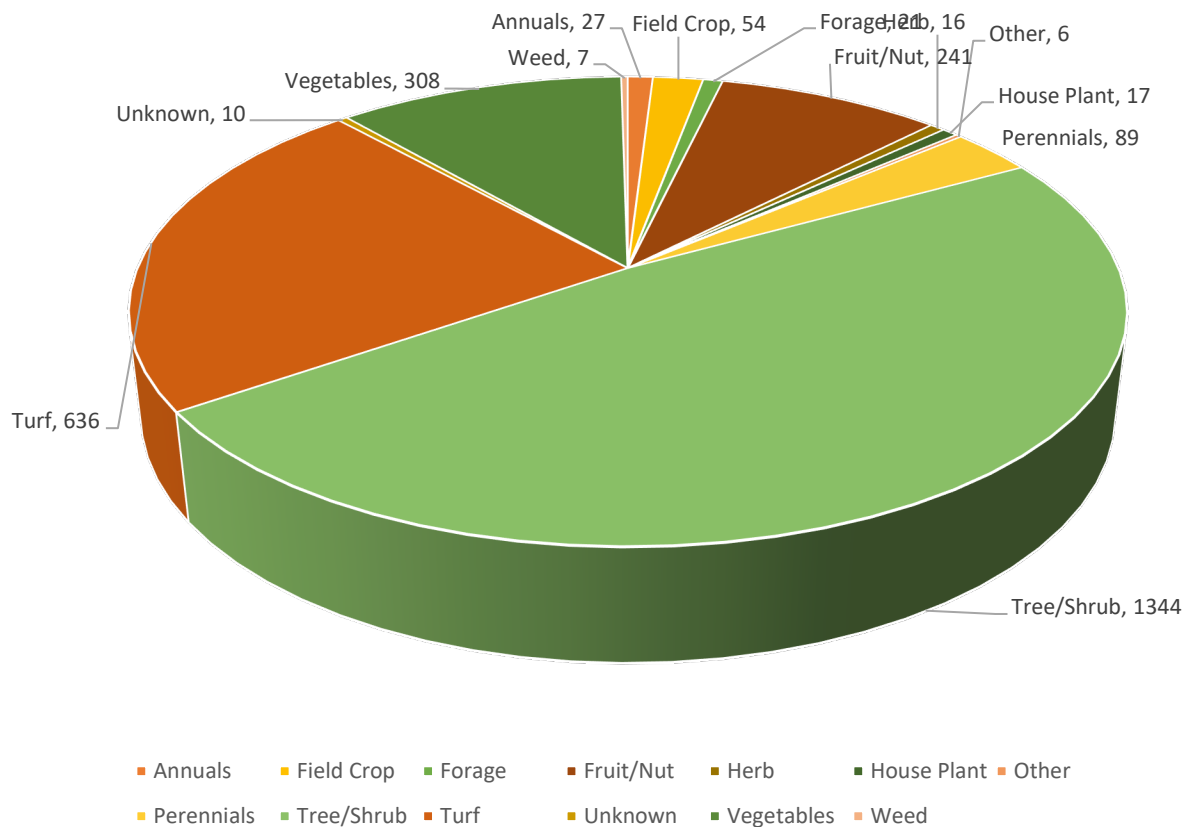


## Plant Health Clinic 2021 Summary Report

The Plant Health Clinic received 2776 plant samples for calendar year 2021. Horticultural samples continue to follow the trend of recent years by comprising the largest percentage of samples received. The largest category of samples in 2021 was for the category Trees/shrubs (48%) with 1344 samples, followed by Turf (23%), with 636 samples, Vegetables (11%), with 308 samples Fruit/nut (9%), with 241 samples, Perennials (3%) with 89 samples, Field Crops (2%), with 54 samples. Annuals (1%), with 27 samples. the remaining 3% divided among weed samples, forage, herb, houseplants, and unknown.

### Plant Health Clinic Samples January 1, 2021-January 1, 2022



<b>Plant Health Samples by Commodity</b>	<b>Number of Samples</b>
Annuals	27
Field Crop	54
Forage	21
Fruit/Nut	241
Herb	16
House Plant	17
Other	6
Perennials	89
Tree/Shrub	1344
Turf	636
Unknown	10
Vegetables	308
Weed	7
<b>Total</b>	<b>2776</b>

<b>District</b>	<b>Plant Health Samples Submitted</b>
Out of State	7
Delta	498
Ouachita	1280
Ozark	991
<b>Total</b>	<b>2776</b>

<b>Month</b>	<b>Plant Health Samples Submitted</b>
January	<b>33</b>
Week 2	6
Week 3	5
Week 4	7
Week 5	15
February	<b>44</b>
Week 6	13
Week 7	10
Week 9	21
March	<b>123</b>
Week 10	14

Week 11	24
Week 12	28
Week 13	35
Week 14	22
April	<b>201</b>
Week 14	5
Week 15	51
Week 16	41
Week 17	46
Week 18	58
May	<b>456</b>
Week 19	101
Week 20	78
Week 21	136
Week 22	141
June	<b>524</b>
Week 23	86
Week 24	103
Week 25	113
Week 26	140
Week 27	82
July	<b>412</b>
Week 27	7
Week 28	93
Week 29	108
Week 30	110
Week 31	94
August	<b>348</b>
Week 32	76
Week 33	72
Week 34	73
Week 35	75
Week 36	52
September	<b>270</b>
Week 36	30
Week 37	61
Week 38	64
Week 39	65
Week 40	50
October	<b>205</b>
Week 40	1
Week 41	69
Week 42	57
Week 43	50
Week 44	28
November	<b>115</b>

Week 45	26
Week 46	19
Week 47	30
Week 48	3
Week 49	37
December	<b>45</b>
Week 49	6
Week 50	24
Week 51	11
Week 52	4

**Plant Health Total 2776**

<b>County</b>	<b>Plant Health Samples Submitted</b>	<b>County</b>	<b>Plant Health Clinic Samples Submitted</b>
Arkansas	25	Baxter	73
Ashley	4	Boone	40
Benton	114	Carroll	41
Bradley	26	Clay	45
Clark	35	Cleveland	1
Cleburne	21	Conway	3
Columbia	7	Crawford	29
Craighead	120	Cross	14
Crittenden	22	Drew	1
Desha	2	Franklin	1
Faulkner	60	Garland	290
Fulton	11	Greene	7
Grant	10	Hot Spring	23
Hempstead	14	Independence	21
Howard	11	Jackson	28
Izard	13	Lafayette	1
Johnson	8	Lee	2
Lawrence	18	Little River	16
Lincoln	2	Lonoke	19
Logan	16	Marion	13
Madison	1	Montgomery	27
Monroe	15	Nevada	5
NA	1	Ouachita	4
Newton	27	Perry	5
Out of State	7	Pike	6
Phillips	14	Polk	1
Poinsett	14	Prairie	9
Pope	66	Randolph	6

County	Plant Health Samples Submitted	County	Plant Health Clinic Samples Submitted
Pulaski	537	Searcy	3
Saline	226	Sevier	2
Sebastian	20	St. Francis	23
Sharp	16	Van Buren	4
Stone	16	Washington	398
White	71	Woodruff	4
Yell	0		

## Pests

1 - Bacterial leaf spot, *Xanthomonas campestris campestris*  
Confirmed: 1

1 - Stalk rot, Unidentified Agent  
Suspected: 1

1 - Rust, *Cumminsella mirabilissima*  
Confirmed: 1

1 - Sirococcus twig blight, *Sirococcus* sp./spp.  
Confirmed: 1

1 - Phymatotrichum root rot, *Phymatotrichopsis omnivora*  
Suspected: 1

1 - Black rot, *Xanthomonas campestris*  
Suspected: 1

1 - Sycamore lace bug, *Corythucha ciliata*  
Confirmed: 1

1 - Lesser peachtree borer, *Synanthedon pictipes*  
Suspected: 1

2 - Grape anthracnose; Birds-eye rot, *Elsinoe ampelina*  
Confirmed: 1  
Suspected: 1

158 - Phytophthora leaf spot, *Phytophthora* sp./spp.  
Confirmed: 59  
Not Detected: 99

- 1 - Insect gall, Insect Gall  
Confirmed: 1
- 4 - Anthracnose, *Colletotrichum orbiculare*  
Confirmed: 4
- 27 - Scale insects, Order homoptera  
Confirmed: 26  
Suspected: 1
- 2 - Bacterial leaf blight, *Pseudomonas* sp./spp.  
Confirmed: 2
- 1 - Black twig borer, *Xylosandrus compactus*  
Suspected: 1
- 1 - Cerambycid sawyer beetle, *Monochamus* sp./spp.  
Confirmed: 1
- 3 - Raspberry crown borer, *Pennisetia marginata*  
Confirmed: 2  
Suspected: 1
- 1 - Eastern tent caterpillar, *Malacosoma americanum*  
Confirmed: 1
- 1 - , *Seimatosporium* sp./spp.  
Confirmed: 1
- 20 - Tomato bacterial speck, *Pseudomonas tomato*  
Confirmed: 20
- 1 - Phytophthora canker, *Phytophthora* sp./spp.  
Confirmed: 1
- 1 - Brown felt blight, *Herpotrichia juniperi*  
Confirmed: 1
- 6 - Viruses, Viruses  
Not Detected: 6
- 1 - Fruitworm beetles, Family Byturidae  
Confirmed: 1
- 1 - Spotted lanternfly, *Lycorma delicatula*  
Not Detected: 1

- 1 - Actinopelte leaf spot, *Dicarpella dryina*  
Confirmed: 1
- 3 - Dogwood leaf spot, *Septoria cornicola*  
Confirmed: 2  
Suspected: 1
- 7 - Mealybugs, Family Pseudococcidae  
Confirmed: 7
- 5 - Leaf spot, *Tubakia dryina*  
Confirmed: 5
- 10 - Rose rosette disease (RRV), Emaravirus Rose Rosette Virus  
Confirmed: 6  
Undetermined: 1  
Suspected: 3
- 5 - Gray leaf spot, *Pyricularia grisea*  
Confirmed: 5
- 3 - Pecan leaf Phylloxera, *Phylloxera notabilis*  
Confirmed: 3
- 2 - Poor pollination, Abiotic disorder  
Suspected: 2
- 67 - Pythium root and/or crown rot, *Pythium* sp./spp.  
Confirmed: 65  
Undetermined: 1  
Suspected: 1
- 10 - Bacterial leaf spot, *Xanthomonas arboricola* pv. *pruni*  
Confirmed: 7  
Suspected: 3
- 1 - Squash mosaic (SQMV), Comovirus Squash Mosaic Virus  
Confirmed: 1
- 2 - Maple canker, *Stegonsporium* sp./spp.  
Confirmed: 1  
Suspected: 1
- 3 - Dieback; Canker, *Seiridium* sp./spp.  
Confirmed: 2

- Suspected: 1
- 7 - Anthracnose, *Discula quercina*  
Confirmed: 7
- 2 - Branch and tip blight, *Passalora sequoiae*  
Confirmed: 2
- 8 - Azalea leaf spot, *Pseudocercospora handellii*  
Confirmed: 8
- 4 - Bacterial blight, *Xanthomonas campestris*  
Confirmed: 3  
Suspected: 1
- 2 - Bitter rot, *Colletotrichum gloeosporioides*  
Confirmed: 2
- 2 - Leaf spot, *Phyllosticta* sp./spp.  
Suspected: 2
- 77 - Insufficient sample, Identification Analysis  
Confirmed: 77
- 2 - Pitch canker, *Fusarium tricinctum*  
Confirmed: 2
- 2 - Gouty oak gall wasp, *Callirhytis quercus*  
Confirmed: 2
- 14 - Maple anthracnose, *Aureobasidium apocryptum*  
Confirmed: 14
- 12 - Brown patch, *Rhizoctonia solani*  
Confirmed: 12
- 1 - Cercospora leaf spot, *Pseudocercospora salicina*  
Confirmed: 1
- 1 - Drought stress damage, Abiotic disorder  
Suspected: 1
- 1 - , *Ips* sp./spp.  
Confirmed: 1
- 9 - Insects, Class insecta



Confirmed: 6  
Suspected: 3

- 1 - Septoria leaf and cane spot, *Sphaerulina westendorpii*  
Confirmed: 1
- 1 - Alternaria leaf spot, *Alternaria* sp./spp.  
Confirmed: 1
- 1 - Anthracnose, *Cryptocline betularum*  
Confirmed: 1
- 1 - Crucifer bacterial black rot, *Xanthomonas campestris*  
Suspected: 1
- 6 - Anthracnose, *Elsinoe* sp./spp.  
Confirmed: 6
- 1 - Unspecified pathology, *Coryneum* sp./spp.  
Confirmed: 1
- 1 - Japanese maple scale, *Lopholeucaspis japonica*  
Confirmed: 1
- 2 - Phomopsis leaf spot, *Phomopsis* sp./spp.  
Confirmed: 2
- 2 - Bitter rot, *Colletotrichum* sp./spp.  
Confirmed: 2
- 3 - Botrytis blight, *Botrytis* sp./spp.  
Confirmed: 3
- 1 - Pollen, Abiotic disorder  
Confirmed: 1
- 3 - Wood rot fungus, *Ganoderma* sp./spp.  
Confirmed: 1  
Suspected: 2
- 2 - Tobacco ringspot (TRSV), *Nepovirus Tobacco Ringspot Virus*  
Confirmed: 2
- 1 - *Mycosphaerella* leaf spot, *Mycosphaerella* sp./spp.  
Confirmed: 1

- 17 - Cercospora leaf spot, *Cercospora* sp./spp.  
Confirmed: 17
- 10 - Charcoal rot, *Macrophomina phaseolina*  
Confirmed: 10
- 1 - Pythium fruit rot; Cottony leak, *Pythium* sp./spp.  
Suspected: 1
- 1 - Potato common scab, *Streptomyces scabies*  
Confirmed: 1
- 2 - Whiteflies, Family Aleyrodidae  
Confirmed: 2
- 10 - Septoria leaf spot, *Septoria lycopersici*  
Confirmed: 7  
Suspected: 3
- 4 - Yellow-bellied sapsucker, *Sphyrapicus varius*  
Confirmed: 2  
Suspected: 2
- 4 - Peony leaf blotch, *Graphiopsis chlorocephala*  
Confirmed: 4
- 2 - Rhizoctonia damping off, *Rhizoctonia* sp./spp.  
Confirmed: 1  
Suspected: 1
- 1 - Rhizoctonia root rot, *Rhizoctonia* sp./spp.  
Confirmed: 1
- 1 - Soybean downy mildew, *Peronospora manshurica*  
Confirmed: 1
- 8 - Anthracnose, *Colletotrichum* sp./spp.  
Confirmed: 8
- 2 - Hemlock-blueberry rust, *Thekopsora minima*  
Confirmed: 2
- 1 - Bacterial leaf spot, *Xanthomonas* sp./spp.  
Confirmed: 1
- 1 - Catalpa Sphinx, *Ceratonia catalpae*

Confirmed: 1

1 - Rust; Leaf rust, *Puccinia zoysiae*

Confirmed: 1

7 - Lace bugs, Family Tingidae

Confirmed: 7

2 - Tobacco mosaic (TMV), Tobamovirus Tobacco Mosaic Virus

Confirmed: 2

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

Confirmed: 1

3 - Moss, General

Confirmed: 3

1 - Earthworms, Phylum Annelida; Subclass Oligochaeta

Suspected: 1

1 - Needle dieback, *Phyllosticta* sp./spp.

Confirmed: 1

1 - Anthracnose; Twig dieback, *Colletotrichum* sp./spp.

Confirmed: 1

2 - Woolly oak aphid, *Stegophylla essigi*

Confirmed: 2

1 - , *Xanthomonas* sp./spp.

Confirmed: 1

102 - No pathogen found, Identification Analysis

Confirmed: 102

1 - Dutch elm disease, *Ophiostoma ulmi*

Suspected: 1

1 - Threecornered alfalfa hopper, *Spissistilus festinus*

Confirmed: 1

2 - Bacterial canker, *Pseudomonas syringae syringae*

Confirmed: 1

Suspected: 1

1 - Leaf spot, *Coniothyrium hellebori*

Confirmed: 1

1 - Mites, Order Acari

Confirmed: 1

11 - Chemical; Environmental injury, Abiotic disorder

Suspected: 11

1 - Site disturbance, Abiotic disorder

Suspected: 1

6 - Canker, Unidentified Agent

Confirmed: 1

Suspected: 5

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

Confirmed: 2

1 - Rednecked cane borer, *Agrilus ruficollis*

Confirmed: 1

2 - Downy mildew, *Peronospora farinosa*

Confirmed: 1

Not Detected: 1

3 - Oedema; Edema, Abiotic disorder

Confirmed: 2

Suspected: 1

1 - Adventitious buds, Abiotic disorder

Confirmed: 1

2 - Azalea leaf scorch, *Septoria azalea*

Confirmed: 2

1 - Common corn rust, *Puccinia sorghi*

Confirmed: 1

1 - , *Cercospora beticola*

Confirmed: 1

56 - Freeze; Frost; Cold damage, Abiotic disorder

Confirmed: 11

Not Detected: 8

Suspected: 37

- 1 - Daylily leaf streak, *Collecephalus hemerocallidis*  
Suspected: 1
- 2 - , Unknown Agent  
Confirmed: 2
- 1 - Cucumber scab; Gummosis, *Cladosporium cucumerinum*  
Confirmed: 1
- 6 - Dieback; Canker; Twig blight, *Botryosphaeria* sp./spp.  
Confirmed: 5  
Suspected: 1
- 1 - Canker, *Hypoxyton* sp./spp.  
Suspected: 1
- 1 - Ash canker, *Diplodia infuscans*  
Suspected: 1
- 2 - Oak lace bug, *Corythucha arcuata*  
Confirmed: 2
- 1 - Black root rot, *Berkeleyomyces basicola*  
Confirmed: 1
- 10 - Natural senescence, Abiotic disorder  
Confirmed: 8  
Suspected: 2
- 1 - Transplant shock; Stress, Abiotic disorder  
Suspected: 1
- 5 - Crown gall, *Agrobacterium tumefaciens*  
Confirmed: 4  
Suspected: 1
- 1 - High pH damage, Abiotic disorder  
Suspected: 1
- 3 - Grapevine Pierce's disease, *Xylella fastidiosa*  
Confirmed: 3
- 1 - Intumescence, Abiotic disorder  
Confirmed: 1
- 1 - Stem rot, *Sclerotinia minor*

- Confirmed: 1
- 2 - Tomato spotted wilt (TSWV), Tospovirus Tomato Spotted Wilt Virus  
Confirmed: 2
- 23 - Cypress canker, *Seiridium cardinale*  
Confirmed: 17  
Suspected: 6
- 2 - Cedar-quince rust, *Gymnosporangium clavipes*  
Confirmed: 2
- 2 - Canker, *Leptosphaeria* sp./spp.  
Confirmed: 1  
Suspected: 1
- 4 - Early blight; Leaf spot, *Alternaria solani*  
Confirmed: 2  
Suspected: 2
- 3 - Brown spot; Needle blight, *Mycosphaerella acicola*  
Confirmed: 3
- 2 - Flea beetles, Subfamily Alticinae  
Confirmed: 1  
Suspected: 1
- 1 - Bleeding canker, *Phytophthora cactorum*  
Confirmed: 1
- 147 - Crown and root rot, *Phytophthora* sp./spp.  
Confirmed: 108  
Not Detected: 1  
Suspected: 38
- 4 - Pestalotia dieback, *Pestalotia* sp./spp.  
Confirmed: 4
- 1 - Excessive mulch, Abiotic disorder  
Suspected: 1
- 1 - Eastern filbert blight, *Anisogramma anomala*  
Confirmed: 1
- 2 - Hydrangea bacterial blight, *Ralstonia solanacearum*  
Confirmed: 1

Suspected: 1

1 - Hickory bark beetle, *Scolytus quadrispinosus*

Suspected: 1

5 - Thrips, *Thrips* sp./spp.

Confirmed: 5

2 - Black rot, *Phyllosticta ampellicida*

Confirmed: 2

3 - Basal canker; Butt rot, *Kretzschmaria deusta*

Confirmed: 1

Suspected: 2

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

Confirmed: 1

2 - Pales weevil, *Hylobius pales*

Confirmed: 2

1 - Anthracnose; Leaf spot, *Colletotrichum trichellum*

Confirmed: 1

1 - Fusicoccum canker, *Fusicoccum elaeagni*

Confirmed: 1

1 - Willow black canker, *Colletotrichum salicis*

Confirmed: 1

46 - Spider mites, Family Tetranychidae

Confirmed: 41

Not Detected: 1

Suspected: 4

8 - Euonymus scale, *Unaspis euonymi*

Confirmed: 8

2 - Oak twig pruner, *Anelaphus parallelus*

Confirmed: 2

1 - Rhododendron leaf spot, *Septoria rhododendri*

Confirmed: 1

1 - Hawthorn leaf blight, *Entomosporium thuemenii*

Confirmed: 1

- 4 - Bean brown spot blight, *Pseudomonas syringae*  
Confirmed: 4
  
- 1 - Slime mold, Class Myxogastria; Mycetozoa  
Confirmed: 1
  
- 31 - Crown and root rot, Unidentified Agent  
Not Detected: 1  
Suspected: 30
  
- 3 - , Unidentified Canker  
Confirmed: 1  
Suspected: 2
  
- 2 - Sirococcus needle blight, *Sirococcus* sp./spp.  
Confirmed: 2
  
- 1 - Bacterial shothole, *Pseudomonas syringae*  
Confirmed: 1
  
- 1 - Lightning damage, Abiotic disorder  
Confirmed: 1
  
- 1 - Arborvitae leafminer, *Argyresthia thuiella*  
Confirmed: 1
  
- 1 - Wireworms (Click beetles), Family Elateridae  
Suspected: 1
  
- 5 - Soybean Phytophthora root and stem rot, *Phytophthora sojae*  
Confirmed: 5
  
- 2 - Bacterial leaf spot, Unidentified Bacteria  
Confirmed: 1  
Suspected: 1
  
- 5 - Insufficient information, Identification Analysis  
Confirmed: 5
  
- 1 - , Unidentified Slug  
Suspected: 1
  
- 1 - Angular leaf spot, *Xanthomonas* sp./spp.  
Confirmed: 1



- 3 - Powdery mildew, *Podosphaera xanthii*  
Confirmed: 2  
Suspected: 1
  
- 1 - Black spot, *Stegophora ulmea*  
Confirmed: 1
  
- 3 - Thrips, Order thysanoptera  
Confirmed: 3
  
- 1 - Fertilizer injury, Abiotic disorder  
Suspected: 1
  
- 9 - Nutritional deficiency, Abiotic disorder  
Confirmed: 1  
Suspected: 8
  
- 1 - White peach scale, *Pseudaulacaspis pentagona*  
Confirmed: 1
  
- 3 - Cicada egg-laying injury, Unidentified Cicada  
Confirmed: 3
  
- 1 - , *Phoma* sp./spp.  
Confirmed: 1
  
- 2 - Fusarium wilt; Fusarium wilt complex, *Fusarium* sp./spp.  
Confirmed: 1  
Suspected: 1
  
- 2 - Macrophoma leaf spot, *Macrophoma* sp./spp.  
Confirmed: 2
  
- 3 - Spot anthracnose, *Elsinoe corni*  
Confirmed: 3
  
- 1 - Cercospora leaf spot, *Cercospora brassicicola*  
Confirmed: 1
  
- 3 - Mallow rust; Hollyhock rust, *Puccinia malvacearum*  
Confirmed: 3
  
- 1 - Roly poly oak gall, *Andricus palytes*  
Confirmed: 1
  
- 8 - Rust, *Gymnosporangium* sp./spp.

Confirmed: 8

10 - Dogwood borer, *Synanthedon scitula*

Confirmed: 1

Suspected: 9

4 - Oak leaf blister, *Taphrina caerulescens*

Confirmed: 3

Suspected: 1

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

Confirmed: 14

Suspected: 1

2 - Camellia scale, *Lepidosaphes camelliae*

Confirmed: 2

8 - Southern blight, *Sclerotium rolfsii*

Confirmed: 4

Suspected: 4

1 - Gall mite, *Eriophyes nyssae*

Confirmed: 1

1 - Hymenopterans, Order hymenoptera

Suspected: 1

1 - Bean bacterial wilt/ leaf spot/ canker, *Curtobacterium flaccumfaciens* pv. *flaccumfaciens*

Confirmed: 1

1 - Normal plant growth, Identification Analysis

Confirmed: 1

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

Confirmed: 1

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

Confirmed: 1

2 - , *Pestalotia cryptomeriae*

Confirmed: 2

1 - *Cercospora* leaf spot, *Pseudocercospora cornicola*

Confirmed: 1

1 - Codling moth, *Cydia pomonella*

Confirmed: 1

1 - Anthracnose, *Gnomonia caryae*

Confirmed: 1

23 - Scorch, Abiotic disorder

Confirmed: 11

Suspected: 12

2 - Herbicide injury- G#9 Glyphosate, Abiotic disorder

Suspected: 2

1 - Root damage, Abiotic disorder

Suspected: 1

1 - Canker, Unidentified fungus

Suspected: 1

1 - Phoma blight; Dieback; Rot, *Phoma* sp./spp.

Confirmed: 1

1 - Sooty blotch (Fruit), *Gloeodes pomigena*

Confirmed: 1

1 - , Unidentified Insect

Confirmed: 1

2 - Rose mosaic (PNRSV), Ilarvirus Prunus Necrotic Ringspot Virus

Confirmed: 2

3 - Bagworm moths, Family Psychidae

Confirmed: 3

9 - Pythium damping off, *Pythium* sp./spp.

Confirmed: 9

1 - Hickory leaf stem gallmakers, *Phylloxera* sp./spp.

Confirmed: 1

5 - Azalea lace bug, *Stephanitis pyrioides*

Confirmed: 5

1 - Phytotoxicity, Abiotic disorder

Suspected: 1

6 - Phytophthora dieback; Blight, *Phytophthora* sp./spp.

Not Detected: 6

- 9 - Rose brown canker, *Cryptosporella umbrina*  
Confirmed: 6  
Suspected: 3
  
- 1 - Dutch elm disease, *Ophiostoma* sp./spp.  
Suspected: 1
  
- 5 - Dogwood anthracnose, *Discula destructiva*  
Confirmed: 2  
Suspected: 3
  
- 1 - Mulberry leaf spot, *Cercospora mori*  
Confirmed: 1
  
- 5 - Helminthosporium leaf spot, *Bipolaris cynodontis*  
Confirmed: 5
  
- 2 - Cedar-hawthorn rust, *Gymnosporangium globosum*  
Confirmed: 2
  
- 1 - Leaf spot, *Diplocarpon mespili*  
Confirmed: 1
  
- 3 - , Identification Analysis  
Confirmed: 3
  
- 1 - Cottony mapleleaf scale, *Pulvinaria acericola*  
Confirmed: 1
  
- 293 - Large patch, *Rhizoctonia solani*  
Confirmed: 289  
Suspected: 4
  
- 1 - Manganese toxicity, Abiotic disorder  
Suspected: 1
  
- 1 - Roseslug, *Endelomyia* sp./spp.  
Confirmed: 1
  
- 4 - Oak twig canker and dieback, *Botryosphaeria quercuum*  
Confirmed: 3  
Suspected: 1
  
- 1 - Helminthosporium root rot, *Helminthosporium* sp./spp.

Confirmed: 1

1 - Oak vein pocket gallmaker, *Macrodidiplosis quercusoruca*

Confirmed: 1

6 - *Rhizosphaera* needle cast, *Rhizosphaera kalkhoffii*

Confirmed: 6

2 - Fusarium crown; Foot rot, *Fusarium solani* f.sp. *cucurbitae*

Confirmed: 1

Suspected: 1

8 - Fungal leaf spot, *Cercospora hydrangeae*

Confirmed: 8

1 - Dollar spot, *Clarireedia homoeocarpa*

Suspected: 1

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

Confirmed: 1

Suspected: 1

1 - Stalk borer, *Papaipema nebris*

Confirmed: 1

1 - Praying mantis, *Hierodula patellifera*

Confirmed: 1

1 - Horned oak gall wasp, *Callirhytis cornigera*

Confirmed: 1

1 - *Cristulariella* leaf spot, *Grovesinia moricola*

Confirmed: 1

1 - , Unidentified Caterpillar

Confirmed: 1

2 - Dieback; Canker, *Coniothyrium* sp./spp.

Suspected: 2

61 - Root rot, Unidentified Agent

Confirmed: 4

Suspected: 57

1 - *Leucostoma* canker, *Valsa cincta*

Suspected: 1

- 1 - Cucurbit downy mildew, *Pseudoperonospora cubensis*  
Confirmed: 1
- 14 - Leaf blight and spot; Shothole, *Blumeriella jaapii*  
Confirmed: 13  
Suspected: 1
- 1 - Double blossom (Rosette), *Cercospora rubi*  
Confirmed: 1
- 1 - Pine bark adelgid, *Pineus strobi*  
Confirmed: 1
- 1 - Ascochyta leaf and pod spot, *Ascochyta pisi*  
Confirmed: 1
- 1 - Aster yellows Phytoplasma, *Candidatus Phytoplasma asteris*  
Confirmed: 1
- 2 - Powdery mildew, *Erysiphe* sp./spp.  
Confirmed: 2
- 1 - Lady beetle scale insect predator, *Chilocorus nigritus*  
Suspected: 1
- 135 - Take all, *Gaeumannomyces graminis* var. *avenae*  
Confirmed: 134  
Suspected: 1
- 1 - Pitch canker, *Fusarium* sp./spp.  
Confirmed: 1
- 1 - Pear leaf blister mite, *Phytoptus pyri*  
Confirmed: 1
- 1 - Pecan leaf scorch mite, *Eotetranychus hicoriae*  
Confirmed: 1
- 2 - Crucifer bacterial leaf spot, *Pseudomonas syringae* PV. *maculicola*  
Suspected: 2
- 1 - , *Incertae sedis* Grapevine Red Blotch Associated Virus  
Not Detected: 1
- 2 - *Botryosphaeria* canker; Dieback, *Diplodia mutila*

Confirmed: 2

14 - Boxwood Volutella blight; Canker, Pseudonectria buxi

Confirmed: 14

24 - Insect damage, Unidentified Insect

Confirmed: 18

Suspected: 6

1 - Adequate sample, Identification Analysis

Confirmed: 1

1 - Arborvitae needle blight, Phyllosticta thujae

Confirmed: 1

2 - Purple seed-stain; Leaf blight, Cercospora kikuchii

Confirmed: 2

1 - Black measles; Esca, Phaeoconiella chlamydospora

Confirmed: 1

6 - Pecan bud moth, Gretchena bolliana

Confirmed: 2

Suspected: 4

1 - Rhizoctonia crown and stem rot, Rhizoctonia sp./spp.

Confirmed: 1

1 - Woolly apple aphid, Eriosoma lanigerum

Confirmed: 1

1 - Boxwood leafminer, Monarthropalpus flavus (buxi)

Confirmed: 1

8 - Pecan; Hickory scab, Fusicladium caryigenum

Confirmed: 6

Suspected: 2

3 - Ash anthracnose, Plagiostoma fraxinii

Confirmed: 2

Suspected: 1

1 - Southern pine beetle, Dendroctonus frontalis

Suspected: 1

1 - Leaf spot; Blight, Ramularia grevilleana

Confirmed: 1

1 - Australasian soybean rust, *Phakopsora pachyrhizi*

Confirmed: 1

7 - Crapemyrtle scale, *Eriococcus lagerstroemiae*

Confirmed: 6

Suspected: 1

2 - Bacterial blight, *Pseudomonas syringae syringae*

Confirmed: 1

Suspected: 1

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

Confirmed: 2

1 - Littleleaf disease, *Phytophthora cinnamomi*

Suspected: 1

2 - , *Pestalotiopsis sp./spp.*

Confirmed: 2

2 - Leaf spot, *Rosisphaerella rosicola*

Confirmed: 2

1 - Rose downy mildew, *Peronospora sparsa*

Confirmed: 1

1 - Pecan weevil, *Curculio caryae*

Confirmed: 1

1 - White drupelet disorder, Abiotic Disorder

Confirmed: 1

2 - Brown rot, *Monilia sp./spp.*

Confirmed: 2

4 - Jumping oak gall wasp, *Neuroterus saltatorius*

Confirmed: 4

1 - Red band needle blight, *Dothistroma septosporum*

Confirmed: 1

1 - Clearwing borers, Family Sesiidae

Suspected: 1



1 - Cryptocline leaf spot, *Cryptocline betularum*  
Confirmed: 1

1 - Anthracnose, *Colletotrichum fragariae*  
Confirmed: 1

1 - Eriophyid mites, Family Eriophyidae  
Confirmed: 1

1 - Rust mites, Order acari  
Confirmed: 1

1 - Sooty mold, Unidentified Fungus  
Confirmed: 1

1 - , *Phomopsis* sp./spp.  
Confirmed: 1

1 - , *Sclerotium* sp./spp.  
Confirmed: 1

7 - Cytospora canker, *Cytospora kunzei*  
Confirmed: 7

1 - Mechanical damage, Abiotic disorder  
Confirmed: 1

8 - Powdery mildew, *Podosphaera pannosa*  
Confirmed: 8

1 - , Luteovirus Barley Yellow Dwarf Virus  
Not Detected: 1

1 - Fuzzy oak gall wasp, *Andricus quercusflocci*  
Confirmed: 1

15 - Excessive water, Abiotic disorder  
Confirmed: 1  
Suspected: 14

4 - Septoria leaf blight, *Septoria lycopersici*  
Confirmed: 4

1 - *Phomopsis* leaf blight, *Phomopsis obscurans*  
Confirmed: 1

- 1 - Bacterial crown gall, *Rhizobium radiobacter*  
Confirmed: 1
- 2 - Blossom end rot, Abiotic disorder  
Confirmed: 1  
Suspected: 1
- 5 - Magnesium deficiency, Abiotic disorder  
Confirmed: 2  
Suspected: 3
- 8 - Cedar-apple rust, *Gymnosporangium juniperi-virginianae*  
Confirmed: 8
- 1 - Tomato black ring (TBRV), *Nepovirus Tomato Black Ring Virus*  
Confirmed: 1
- 1 - Tatters, Abiotic disorder  
Confirmed: 1
- 24 - Bacterial canker, *Clavibacter michiganensis michiganensis*  
Confirmed: 22  
Suspected: 2
- 14 - Cucurbit angular leaf spot, *Pseudomonas syringae* pv. *lachrymans*  
Confirmed: 13  
Suspected: 1
- 17 - Bacterial wilt, *Ralstonia solanacearum*  
Confirmed: 17
- 2 - Soybean anthracnose, *Colletotrichum destructivum*  
Confirmed: 2
- 1 - Bermudagrass mite, *Eriophyes cynodoniensis*  
Confirmed: 1
- 1 - Bacterial leaf spot, *Pseudomonas* sp./spp.  
Confirmed: 1
- 3 - Coryneum blight (Shothole), *Thyrostroma carpophilum*  
Confirmed: 3
- 5 - Bacterial stem rot, *Erwinia carotovora carotovora*  
Confirmed: 4  
Suspected: 1

- 1 - Fusarium wilt, *Fusarium oxysporum*  
Confirmed: 1
- 2 - Anthracnose; *Colletotrichum* leaf spot, *Colletotrichum* sp./spp.  
Confirmed: 2
- 1 - resurrection fern, *Pleopeltis polypodioides*  
Suspected: 1
- 1 - Phytophthora stem rot, *Phytophthora nicotianae* var. *parasitica*  
Confirmed: 1
- 4 - Herbicide drift, Abiotic disorder  
Suspected: 4
- 6 - Lichens, Lichenes  
Confirmed: 6
- 2 - Roseslug, *Endelomyia aethiops*  
Confirmed: 2
- 1 - Cucumber mosaic (CMV), *Cucumovirus* Cucumber Mosaic Virus  
Confirmed: 1
- 1 - , *Pseudocercospora thujina*  
Confirmed: 1
- 9 - Sunscald, Abiotic disorder  
Confirmed: 1  
Suspected: 8
- 2 - Solitary oak leafminer, *Cameraria hamadryadella*  
Confirmed: 2
- 1 - Black knot, *Apiosporina morbosa*  
Confirmed: 1
- 1 - Wood boring beetles, Order coleoptera  
Confirmed: 1
- 1 - Cottony camellia scale, *Pulvinaria floccifera*  
Confirmed: 1
- 10 - Stink bugs, Family Pentatomidae  
Confirmed: 5

Suspected: 5

1 - Russeting, Abiotic disorder

Confirmed: 1

1 - , Animal Damage

Suspected: 1

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

Confirmed: 1

1 - *Rhizoctonia* leaf spot and/or leaf blight, *Rhizoctonia* sp./spp.

Confirmed: 1

10 - Seiridium canker, *Seiridium unicorne*

Confirmed: 7

Suspected: 3

1 - Herbicide injury- G#2 ALS inhibitor, Abiotic disorder

Suspected: 1

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

Confirmed: 2

3 - Anthracnose; Black spot, *Stegophora ulmea*

Confirmed: 3

2 - Plum Curculio, *Conotrachelus nenuphar*

Confirmed: 1

Suspected: 1

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

Confirmed: 5

1 - Fungal wood rot, *Schizophyllum commune*

Confirmed: 1

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

Confirmed: 1

Suspected: 1

1 - High temperature damage, Abiotic disorder

Suspected: 1

1 - Tobacco hornworm, *Manduca sexta*

Confirmed: 1

- 6 - Cucurbit bacterial wilt, *Erwinia tracheiphila*  
Confirmed: 5  
Suspected: 1
  
- 1 - Heart rot, Unidentified Agent  
Confirmed: 1
  
- 1 - , Potexvirus Cymbidium Mosaic Virus  
Confirmed: 1
  
- 1 - Anthracnose, *Colletotrichum prunicola*  
Confirmed: 1
  
- 3 - Clematis wilt; Clematis blight; Leaf spot, *Calophoma clematidina*  
Confirmed: 3
  
- 4 - Squash vine borer, *Melittia cucurbitae*  
Confirmed: 4
  
- 1 - White grubs (Scarab beetles), Family Scarabaeidae  
Confirmed: 1
  
- 1 - Fusarium canker, *Fusarium sp./spp.*  
Confirmed: 1
  
- 1 - Fall armyworm, *Spodoptera frugiperda*  
Confirmed: 1
  
- 117 - Pythium blight; Cottony blight, *Pythium sp./spp.*  
Confirmed: 114  
Suspected: 3
  
- 1 - Poison hemlock, *Conium maculatum*  
Suspected: 1
  
- 1 - Bacterial gall, *Pseudomonas savastanoi*  
Confirmed: 1
  
- 7 - Phosphorus deficiency, Abiotic disorder  
Confirmed: 3  
Suspected: 4
  
- 11 - Hypoxylon canker, *Biscogniauxia atropunctata*  
Confirmed: 4  
Suspected: 7

- 2 - Anthracnose, *Colletotrichum gloeosporioides*  
Confirmed: 2
- 1 - Constriction canker, *Diaporthe amygdali*  
Confirmed: 1
- 5 - Tomato; Pepper bacterial spot, *Xanthomonas campestris* pv. *vesicatoria*  
Confirmed: 5
- 1 - Aster rust; Pine needle rust, *Coleosporium asterum*  
Confirmed: 1
- 1 - J-root / incorrect planting, Abiotic disorder  
Confirmed: 1
- 1 - Cowpea bacterial blight, *Xanthomonas campestris* pv. *vignicola*  
Confirmed: 1
- 1 - Root rot, *Ganoderma* sp./spp.  
Confirmed: 1
- 3 - Canker; Stem blight; Dieback, *Botryosphaeria dothidea*  
Confirmed: 3
- 1 - Potyvirus Group, *Potyvirus* sp./spp.  
Confirmed: 1
- 3 - *Phomopsis* dieback; Tip blight; Canker, *Phomopsis* sp./spp.  
Confirmed: 3
- 11 - Bacterial wetwood; Slime flux, Various Pathogens  
Confirmed: 9  
Suspected: 2
- 1 - Narrow brown leaf spot, *Passalora janseana*  
Confirmed: 1
- 27 - , Abiotic disorder  
Confirmed: 9  
Suspected: 18
- 6 - Maple leaf spot, *Phyllosticta minima*  
Confirmed: 5  
Suspected: 1

- 3 - Billbug, *Sphenophorus* sp./spp.  
Confirmed: 3
- 10 - Dogwood powdery mildew, *Erysiphe pulchra*  
Confirmed: 10
- 1 - Bacterial blight, Unidentified Bacteria  
Confirmed: 1
- 34 - Chemical injury, Abiotic disorder  
Confirmed: 2  
Suspected: 32
- 2 - Purple camellia mite, *Calacarus carinatus*  
Confirmed: 2
- 10 - Bacterial leaf spot, *Xanthomonas campestris*  
Confirmed: 10
- 40 - Spring dead spot, *Ophiosphaerella* sp./spp.  
Confirmed: 39  
Suspected: 1
- 1 - Wood rot fungus; Dryadeus root rot, *Inonotus dryadeus*  
Suspected: 1
- 34 - , No Pathogen Found  
Confirmed: 34
- 1 - Soybean frogeye leaf spot, *Cercospora sojina*  
Confirmed: 1
- 1 - Common sawflies, Family Tenthredinidae  
Suspected: 1
- 4 - , Unidentified Wood Boring Insect  
Suspected: 4
- 7 - Aphids; Plant lice, Family Aphididae  
Confirmed: 6  
Suspected: 1
- 3 - Pecan bunch disease, *Phytoplasma* sp./spp. 16SrIII  
Not Detected: 2  
Suspected: 1

- 1 - Gall, Unidentified Agent  
Undetermined: 1
- 1 - Verticillium dieback, Verticillium sp./spp.  
Confirmed: 1
- 4 - Cladoptosis, Abiotic disorder  
Confirmed: 3  
Suspected: 1
- 1 - Meadow spittlebug, Philaenus spumarius  
Suspected: 1
- 1 - Oak skeletonizer, Bucculatrix ainsliella  
Suspected: 1
- 1 - Sawflies, Superfamily tenthredinoidea  
Confirmed: 1
- 10 - Fire blight, Erwinia amylovora  
Confirmed: 9  
Suspected: 1
- 1 - Fusarium basal rot, Fusarium sp./spp.  
Confirmed: 1
- 1 - Secondary dieback, Pestalotiopsis guepinii  
Confirmed: 1
- 1 - , Puccinia sp./spp.  
Confirmed: 1
- 1 - Insufficient rootball, Abiotic disorder  
Confirmed: 1
- 1 - Tomato pinworm, Keiferia lycopersicella  
Confirmed: 1
- 1 - Oak wilt, Bretziella fagacearum  
Not Detected: 1
- 1 - Watermelon Fusarium wilt, Fusarium oxysporum f.sp. niveum  
Confirmed: 1
- 20 - Verticillium wilt, Verticillium sp./spp.  
Confirmed: 10



Suspected: 10

- 1 - Spot anthracnose, *Elsinoe rosarum*  
Confirmed: 1
- 5 - Oak twig blight, *Coryneum kunzei*  
Confirmed: 5
- 1 - Oak powdery mildew, *Erysiphe alphitoides* var. *alphitoides*  
Confirmed: 1
- 1 - , *Soliva pterosperma*  
Suspected: 1
- 1 - Hail damage, Abiotic disorder  
Suspected: 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 - Mimosa webworm, *Homadaula anisocentra*  
Confirmed: 1
- 2 - Phomopsis canker and twig blight, *Diaporthe vaccinii*  
Confirmed: 1  
Suspected: 1
- 4 - Apple scab, *Venturia inaequalis*  
Confirmed: 4
- 3 - Powdery mildew, *Microsphaera* sp./spp.  
Confirmed: 3
- 1 - Wax scale, *Ceroplastes* sp./spp.  
Confirmed: 1
- 2 - Strumella canker, *Urnula craterium*  
Suspected: 2
- 1 - Rodent damage, Vertebrate Damage

Confirmed: 1

5 - Black spot (Rose), *Diplocarpon rosae*

Confirmed: 3

Suspected: 2

1 - *Euonymus* powdery mildew, *Erysiphe euonymi-japonici*

Suspected: 1

1 - Maple tar spot, *Rhytisma punctatum*

Suspected: 1

2 - Root-knot nematodes, *Meloidogyne* sp./spp.

Confirmed: 2

1 - Lantana lace bug, *Teleonemia scrupulosa*

Confirmed: 1

1 - Downy mildew, *Peronospora belbahrii*

Confirmed: 1

1 - Downy mildews; Water molds, Oomycetes

Suspected: 1

1 - Leaf and twig blight, *Blumeriella kerriae*

Confirmed: 1

1 - Midges, Family Chironomidae

Confirmed: 1

1 - Oak decline, Complex of Biotic; Abiotic Factors

Suspected: 1

1 - Sycamore anthracnose, *Apiognomonia veneta*

Confirmed: 1

1 - Peach leaf curl, *Taphrina deformans*

Confirmed: 1

1 - Yew leaf; Twig blight, *Dothiora taxicola*

Suspected: 1

5 - Bacterial leaf scorch, *Xylella fastidiosa*

Confirmed: 4

Suspected: 1

- 3 - Azalea bark scale, *Eriococcus azaleae*  
Confirmed: 3
- 2 - Fabraea leaf and fruit spot, *Diplocarpon mespili*  
Suspected: 2
- 1 - Fusarium canker; Dieback; Wilt, *Fusarium lateritium*  
Confirmed: 1
- 1 - Maple *Cristulariella* leaf spot, *Cristulariella depraedans*  
Confirmed: 1
- 4 - Boxwood *Macrophoma* leaf spot, *Dothiorella candollei*  
Confirmed: 4
- 1 - Brown stripe, *Scolicotrichum graminis*  
Confirmed: 1
- 1 - , *Botryosphaeria obtusa*  
Confirmed: 1
- 5 - Bark beetles; Ambrosia beetles, Family Scolytidae  
Confirmed: 5
- 87 - Herbicide injury; Exposure, Abiotic disorder  
Suspected: 87
- 2 - Septoria leaf spot, *Septoria* sp./spp.  
Confirmed: 2
- 1 - Brassica anthracnose, *Colletotrichum higginsianum*  
Confirmed: 1