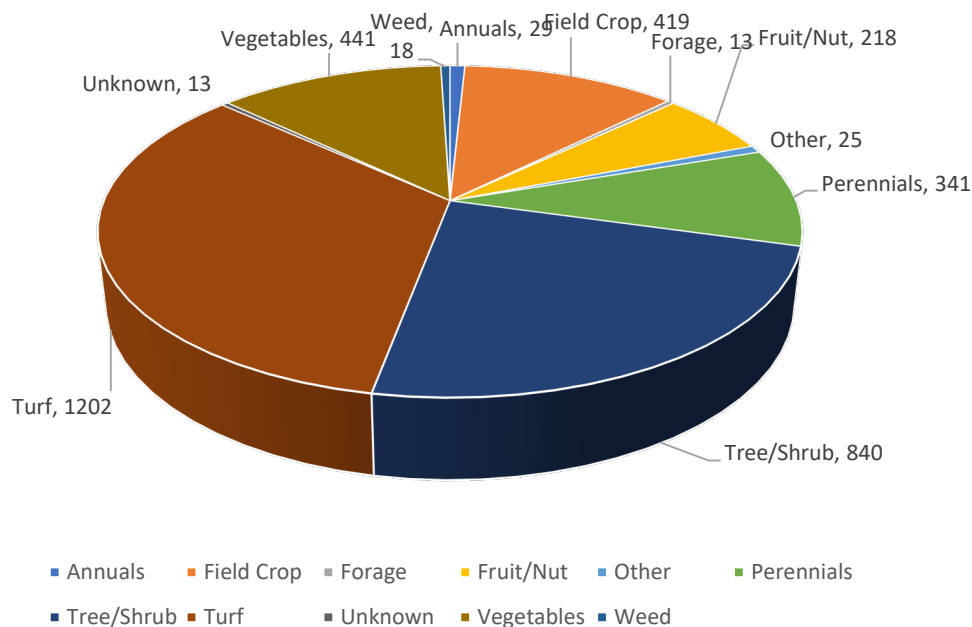


Plant Health Clinic 2012 Summary Report

The Plant Health Clinic received 3559 plant samples in 2012. Numbers were 30% above the previous year, with higher numbers in all areas except field crops, Unknown, and Weeds. Turf samples increased by (46.5%) over 2011. The largest number of samples in 2012 was for the category Turf (33.8%), followed by Tree/Shrubs (23.6%), Vegetables (12.4%), Field Crops (11.8%), Perennials (9.6%), Fruit/Nut (6.1%), Annuals (0.8%), Other (0.6%), Weed (0.5%), Unknown (0.4%), Forage (0.4%). Note that Unknown are samples, either plant or insect that come into the lab to be identified. The Other category is comprised of samples, usually of ambiguous material that neither the grower nor county agent can identify.

Plant Health Clinic Samples January 1, 2012-January 1, 2013



Plant Health Samples by Commodity	Number of Samples
Annuals	29
Field Crop	419
Forage	13
Fruit/Nut	218
Other	25
Perennials	341
Tree/Shrub	840
Turf	1202
Unknown	13
Vegetables	441
Weed	18
Total	3559

District	Plant Health Samples Submitted
Out of State	169
Delta	1016
Ouachita	1462
Ozark	912
Total	3559

MonthPlant Health Samples Submitted

January	33
Week 1	9
Week 2	3
Week 3	8
Week 4	7
Week 5	6
February	95
Week 5	12
Week 6	30
Week 7	7
Week 8	29
Week 9	17

March 172

Week 10	25
Week 11	24
Week 12	44
Week 13	66
Week 9	13

April 473

Week 14	79
Week 15	103
Week 16	103
Week 17	149
Week 18	39

May 680

Week 18	117
Week 19	143
Week 20	159
Week 21	160
Week 22	101

June 579

Week 22	12
Week 23	147
Week 24	162
Week 25	123
Week 26	135

July 366

Week 27	70
Week 28	106
Week 29	68
Week 30	85
Week 31	37

August 562

Week 31	32
Week 32	147
Week 33	143
Week 34	178
Week 35	62

September 340

Week 36	56
Week 37	63
Week 38	96
Week 39	125

October	184
Week 40	61
Week 41	29
Week 42	45
Week 43	7
Week 44	42
November	56
Week 44	6
Week 45	19
Week 46	10
Week 47	11
Week 48	10
December	19
Week 49	9
Week 50	3
Week 51	7

Plant Health Total 3559

County	Plant Health Samples Submitted	County	Plant Health Clinic Samples Submitted
Arkansas	65		
Ashley	6	Baxter	85
Benton	14	Boone	59
Bradley	8	Carroll	59
Chicot	14	Clark	55
Clay	28	Cleburne	13
Cleveland	2	Columbia	11
Conway	8	Craighead	190
Crawford	39	Crittenden	22
Cross	17	Dallas	4
Desha	13	Drew	17
Faulkner	199	Franklin	20
Fulton	6	Garland	501
Grant	7	Greene	14
Hempstead	20	Howard	2
Independence	12	Izard	19
Jackson	37	Jefferson	17
Johnson	5	Lafayette	1
Lawrence	37	Lee	21
Lincoln	7	Little River	3

County	Plant Health Samples Submitted	County	Plant Health Samples Submitted
Logan	20	Lonoke	131
Madison	1	Marion	26
Miller	5	Mississippi	32
Monroe	18	Montgomery	4
Nevada	9	Newton	3
Ouachita	22	Out of State	169
Perry	4	Phillips	54
Pike	8	Poinsett	16
Polk	8	Pope	122
Prairie	64	Pulaski	598
Saline	179	Scott	1
Searcy	4	Sebastian	28
Sevier	7	Sharp	7
St. Francis	59	Union	3
Van Buren	4	Washington	154
White	125	Woodruff	12
Yell	5		
Plant Health Total			3559

1 - Juniper scale, *Carulaspis juniperi*
Confirmed: 1

1 - Eggplant flea beetle, *Epitrix fuscula*
Confirmed: 1

1 - Strawberry leather rot, *Phytophthora cactorum*
Confirmed: 1

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

3 - Cotton angular leaf spot, *Xanthomonas campestris* pv. *malvacearui*
Confirmed: 3

11 - Helminthosporium Leaf Spot, *Cochliobolus (Bipolaris) cynodontis*
Confirmed: 11

31 - Glyphosate injury, Abiotic disorder
Confirmed: 9

Suspected: 22

- 1 - Cucumber beetle, *Acalymma* sp./spp.
Confirmed: 1
- 6 - Powdery mildew, *Sphaerotheca pannosa*
Confirmed: 6
- 1 - Oak bullet gall wasp, *Disholcaspis globulus*
Confirmed: 1
- 3 - Phytophthora leaf spot, *Phytophthora* sp./spp.
Confirmed: 2
Not Detected: 1
- 1 - Tent caterpillar, *Malacosoma* sp./spp.
Confirmed: 1
- 1 - , *Diaporthe* (*Phomopsis*) sp./spp.
Confirmed: 1
- 2 - *Helminthosporium* leaf spot, *Drechslera* sp./spp.
Confirmed: 2
- 1 - Common stinkhorn, *Phallus impudicus impudicus*
Suspected: 1
- 19 - Scale insects, Order homoptera
Confirmed: 19
- 3 - Anthracnose, *Colletotrichum graminicola*
Confirmed: 3
- 1 - Stem Rot; Southern Blight, *Althelia* (*Sclerotium*) *rolfsii*
Confirmed: 1
- 2 - Bacterial leaf blight, *Pseudomonas* sp./spp.
Confirmed: 2
- 1 - Blister mites, Family Eriophyidae
Confirmed: 1
- 3 - Potassium deficiency, Abiotic disorder
Confirmed: 1
Suspected: 2

- 3 - Apple scab, *Venturia (Spilocaea) inaequalis (pomi)*
Confirmed: 3
- 2 - Greater peachtree borer (GPtB), *Synanthedon exitiosa*
Confirmed: 1
Suspected: 1
- 1 - Yew leaf; Twig blight, *Dothiora (Sphaerulina)(Sydowia) taxicola*
Confirmed: 1
- 1 - Citrus canker, *Xanthomonas axonopodis pv. citri*
Confirmed: 1
- 10 - Tomato bacterial speck, *Pseudomonas tomato*
Confirmed: 10
- 6 - Orchid bacterial brown spot, *Pseudomonas cattelyae*
Confirmed: 4
Suspected: 2
- 7 - Phytophthora canker, *Phytophthora sp./spp.*
Confirmed: 6
Suspected: 1
- 39 - Viruses, Viruses
Not Detected: 35
Suspected: 4
- 4 - Azalea Leaf Spot, *Cercospora handellii*
Confirmed: 4
- 5 - Bacterial panicle blight, *Burkholderia sp./spp.*
Confirmed: 4
Suspected: 1
- 40 - Tomato Spotted Wilt, Tomato Spotted Wilt Virus (TSWV)
Confirmed: 39
Suspected: 1
- 1 - , *Helminthosporium sp./spp.*
Confirmed: 1
- 1 - Mealybugs, Family Pseudococcidae
Confirmed: 1
- 3 - Pitch canker, *Gibberella (Fusarium) sp./spp.*

Suspected: 3

1 - Ergot, *Claviceps* sp./spp.

Not Detected: 1

1 - , Potato Leaf Roll Virus (PVM)

Confirmed: 1

1 - Flatheaded wood borer, *Chrysobothris* sp./spp.

Confirmed: 1

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

Confirmed: 2

1 - , *Colletotrichum* sp./spp.

Confirmed: 1

2 - , *Odontoglossum* Ringspot Virus (ORSV)

Confirmed: 2

2 - Spur; Cane blight, *Didymella* (ana. *Phoma*) *applanata* (*argillacea*)

Confirmed: 2

2 - Rose midge, *Dasineura* *rhodophaga*

Confirmed: 1

Suspected: 1

2 - Poor pollination, Abiotic disorder

Confirmed: 2

1 - Pecan leaf Phylloxera, *Phylloxera* *notabilis*

Confirmed: 1

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

Confirmed: 139

Suspected: 1

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

Confirmed: 2

2 - Spiny witch-hazel aphid, *Hamamelistes* *spinosus*

Confirmed: 2

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

Confirmed: 1

- 1 - Alfalfa rust, *Uromyces striatus*
Confirmed: 1
- 2 - Boron toxicity, Abiotic disorder
Suspected: 2
- 71 - Insufficient sample, Identification Analysis
Confirmed: 20
Inconclusive: 51
- 1 - Bacterial speck, *Pseudomonas syringae*
Confirmed: 1
- 1 - Magnolia Leaf Spot, *Mycosphaerella milleri*
Confirmed: 1
- 1 - Gouty oak gall wasp, *Callirhytis quercus*
Confirmed: 1
- 3 - Phototoxicity, Abiotic disorder
Suspected: 3
- 1 - Sorghum bacterial leaf streak, *Xanthomonas campestris* pv. *holcicola*
Suspected: 1
- 1 - , Oomycetes
Suspected: 1
- 1 - Typhula blight, *Typhula* sp./spp.
Confirmed: 1
- 1 - Beetles, Order coleoptera
Suspected: 1
- 11 - Drought stress damage, Abiotic disorder
Confirmed: 2
Suspected: 9
- 1 - Black Knot, *Apiosporina* (*Dibotryon*) *morbosa* (*morbosum*)
Confirmed: 1
- 1 - , *Fusarium* or *Verticillium* sp./spp.
Suspected: 1
- 3 - , *Ralstonia* (*Pseudomonas*) *solanacearum*
Confirmed: 3

- 6 - Alternaria leaf spot, Alternaria sp./spp.
Confirmed: 6
- 1 - , Drechslera (Helminthosporium) sp./spp.
Confirmed: 1
- 2 - Leaf rust; Rust, Puccinia sp./spp.
Confirmed: 2
- 20 - 2-4-d Injury, Abiotic disorder
Confirmed: 11
Suspected: 9
- 16 - Maple Anthracnose, Gloeosporium apocryptum
Confirmed: 16
- 1 - Phomopsis leaf spot, Phomopsis sp./spp.
Confirmed: 1
- 1 - Bean anthracnose, Colletotrichum lindemuthianum
Confirmed: 1
- 1 - Botrytis blight, Botrytis sp./spp.
Confirmed: 1
- 1 - Apple twig blight;; dieback; Canker, Botryosphaeria obtusa
Confirmed: 1
- 1 - Fusarium yellows, Fusarium oxysporum
Suspected: 1
- 2 - Bitter rot, Colletotrichum sp./spp.
Confirmed: 2
- 1 - Wood rot fungus, Ganoderma sp./spp.
Confirmed: 1
- 1 - Bacterial leaf blight, Burkholderia sp./spp.
Suspected: 1
- 4 - Winter injury, Abiotic disorder
Suspected: 4
- 5 - Cercospora leaf spot, Cercospora sp./spp.
Confirmed: 5

- 1 - Potato common scab, *Streptomyces scabies*
Confirmed: 1

- 29 - Charcoal rot, *Macrophomina phaseolina*
Confirmed: 29

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

- 8 - Whiteflies, Family Aleyrodidae
Confirmed: 8

- 2 - Yellow-bellied sapsucker, *Sphyrapicus varius*
Confirmed: 2

- 2 - Septoria leaf spot, *Septoria lycopersici*
Confirmed: 2

- 3 - Rhizoctonia root rot, *Rhizoctonia* sp./spp.
Confirmed: 3

- 2 - Rhizoctonia damping off, *Rhizoctonia* sp./spp.
Confirmed: 2

- 1 - Leaf and Flower Gall, *Exobasidium azaleae*
Confirmed: 1

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

- 1 - Silverleaf Whitefly (Sweetpo.), *Bemisia argentifolii*
Suspected: 1

- 1 - Crazy top downy mildew, *Sclerophthora macrospora*
Confirmed: 1

- 3 - Soybean downy mildew, *Peronospora manshurica*
Confirmed: 3

- 17 - Bacterial leaf spot, *Xanthomonas campestris pruni*
Confirmed: 17

- 9 - Rust; Leaf rust, *Puccinia zoysiae*
Confirmed: 9

- 4 - Rust, *Puccinia graminis graminicola*
Confirmed: 4
- 1 - Corn (Common) smut, *Ustilago maydis*
Confirmed: 1
- 3 - Lace bugs, Family Tingidae
Confirmed: 3
- 26 - Tobacco Mosaic, Tobacco Mosaic Virus (TMV)
Confirmed: 25
Not Detected: 1
- 3 - Balling, Abiotic disorder
Confirmed: 3
- 1 - Bacterial blight, *Xanthomonas campestris phaseoli*
Inconclusive: 1
- 3 - Bacterial canker, *Pseudomonas syringae syringae*
Confirmed: 1
Suspected: 2
- 1 - Cultivar susceptibility, Abiotic disorder
Suspected: 1
- 1 - Aerial stem blight, *Phytophthora* sp./spp.
Confirmed: 1
- 6 - Rhizosphaera needle cast, *Rhizosphaera* sp./spp.
Confirmed: 6
- 13 - Mites, Order Acari
Confirmed: 12
Suspected: 1
- 3 - Aggregate sheath spot, *Rhizoctonia oryzae-sativae*
Confirmed: 3
- 1 - Heuchera rust, *Puccinia heucherae*
Confirmed: 1
- 35 - Chemical; Environmental injury, Abiotic disorder
Confirmed: 3
Suspected: 32

- 1 - Petiolegall psyllid, *Pachypsylla venusta*
Confirmed: 1
- 1 - , *Cladosporium iridis*
Confirmed: 1
- 10 - Oedema; Edema, Abiotic disorder
Confirmed: 8
Suspected: 2
- 1 - Bacterial leaf spot, *Pseudomonas syringae*
Confirmed: 1
- 1 - Rice Brown Spot; Seedling Blight, *Cochliobolus* (ana. *Bipolaris*) *miyabeanus* (*oryzae*)
Confirmed: 1
- 2 - Cucurbit yellow vine disease, *Serratia marcescens*
Confirmed: 2
- 1 - Azalea leaf scorch, *Septoria azalea*
Confirmed: 1
- 2 - Common corn rust, *Puccinia sorghi*
Confirmed: 2
- 2 - Azalea anthracnose, *Colletotrichum azaleae*
Confirmed: 2
- 1 - Apple leaf skeletonizer, *Psorosina hammondi*
Confirmed: 1
- 3 - Seiridium Canker, *Lepteutypa* (*Seiridium*) *cupressi* (unicorn)
Confirmed: 2
Suspected: 1
- 1 - Spinach leaf spot, *Davidiella* (*Cladosporium*) *variabile*
Confirmed: 1
- 3 - Freeze; Frost; Cold damage, Abiotic disorder
Confirmed: 2
Suspected: 1
- 1 - Bugleweed leaf spot, *Ramularia ajugae*
Confirmed: 1

- 1 - Daylily leaf streak, *Collecephalus hemerocallidis*
Confirmed: 1
- 3 - , *Phyllosticta* sp./spp.
Confirmed: 3
- 3 - Cucumber Scab; Gummosis, *Cladosporium cucumerinum*
Confirmed: 3
- 1 - Stem rot and aerial blight, *Rhizoctonia* sp./spp.
Confirmed: 1
- 7 - Canker, *Hypoxyton* sp./spp.
Confirmed: 5
Suspected: 2
- 2 - Bacterial Gall, *Pseudomonas syringae savastanoi*
Suspected: 2
- 4 - Natural senescence, Abiotic disorder
Confirmed: 2
Suspected: 2
- 1 - Leafcurl ash aphid, *Prociphilus fraxinifolii*
Confirmed: 1
- 2 - Stewart's wilt, *Pantoea (Erwinia) stewartii* ssp. s
Confirmed: 2
- 4 - High pH damage, Abiotic disorder
Suspected: 4
- 2 - Crown gall, *Agrobacterium tumefaciens*
Confirmed: 2
- 2 - Stripe rust; Yellow rust, *Puccinia striiformis* var. *striiformis*
Confirmed: 2
- 9 - Cypress canker, *Seiridium cardinale*
Confirmed: 5
Suspected: 4
- 7 - Algae, General
Confirmed: 7
- 2 - Cedar-quince rust, *Gymnosporangium clavipes*

Confirmed: 2

1 - Leaf Blight and Spot; Shothole, Blumeriella (Coccomyces) jaapii (hiemalis)

Confirmed: 1

1 - Grape downy mildew, Plasmopara viticola

Not Detected: 1

2 - Early blight; Leaf spot, Alternaria solani

Confirmed: 2

1 - Bitter rot, Greeneria uvicola

Confirmed: 1

1 - , Phyllosticta aucubae

Confirmed: 1

1 - Goss (Blight; Bacterial) wilt, Clavibacter michiganensis nebraskensis

Confirmed: 1

13 - Pestalotia dieback, Pestalotia sp./spp.

Confirmed: 13

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

Confirmed: 539

Suspected: 1

1 - Mole cricket, Scapteriscus sp./spp.

Suspected: 1

3 - Thrips, Thrips sp./spp.

Confirmed: 3

1 - , Gnomonia caryae

Confirmed: 1

1 - Hickory leaf stem gall aphid, Phylloxera caryaecaulis

Confirmed: 1

1 - Salt damage, Abiotic disorder

Suspected: 1

1 - Black mold, Aspergillus niger

Confirmed: 1

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

Confirmed: 70
Not Detected: 138

1 - Anthracnose; Leaf spot, *Colletotrichum trichellum*
Confirmed: 1

10 - Brown patch, *Rhizoctonia* sp./spp.
Confirmed: 10

1 - Insufficient light, Abiotic disorder
Confirmed: 1

1 - Plum American Line Pattern, Plum (American) line Pattern Virus (APLP)
Confirmed: 1

2 - Soybean stem canker, *Diaporthe phaseolorum*
Confirmed: 2

301 - Take-all, *Gaeumannomyces* sp./spp.
Confirmed: 301

63 - Spider mites, Family Tetranychidae
Confirmed: 62
Suspected: 1

7 - Bean brown spot blight, *Pseudomonas syringae*
Confirmed: 6
Suspected: 1

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

1 - Viburnum bacterial blight, *Pseudomonas syringae* pv. *viburnii*
Confirmed: 1

8 - Aphids (Plant lice), Family Aphididae
Confirmed: 8

1 - Wheat soil-borne mosaic, Wheat Soil-borne Mosaic Virus (WSBMV)
Confirmed: 1

1 - *Fabraea* Leaf and Fruit Spot, *Fabraea* (*Entomosporium*) *maculata* (um)
Suspected: 1

1 - Contarinia gall midge, *Contarinia* sp./spp.
Confirmed: 1

- 1 - Leptosphaerulina leaf spot, *Leptosphaerulina* sp./spp.
Confirmed: 1
- 2 - Bacterial blight, *Xanthomonas* sp./spp.
Confirmed: 1
Suspected: 1
- 7 - Soybean Phytophthora root and stem rot, *Phytophthora sojae*
Confirmed: 6
Not Detected: 1
- 9 - Bacterial leaf spot, Unidentified Bacteria
Confirmed: 9
- 3 - , High Plains Virus (HPV)
Confirmed: 3
- 3 - Rhizoctonia stem rot, *Rhizoctonia* sp./spp.
Confirmed: 3
- 1 - Milkweed, *Asclepias* sp./spp.
Confirmed: 1
- 1 - Macrophoma Rot, *Botryosphaeria dothidea*
Confirmed: 1
- 1 - Holly leafminer, *Phytomyza ilicis*
Confirmed: 1
- 15 - Rose Rosette Disease, Rose rosette-associated virus (RRaV)
Confirmed: 11
Not Detected: 1
Suspected: 3
- 2 - Pecan; Hickory Scab, *Cladosporium caryigenum*
Confirmed: 1
Suspected: 1
- 4 - Nutritional deficiency, Abiotic disorder
Suspected: 4
- 1 - Hypoxylon canker, *Entoleuca* (*Hypoxylon*) *mammata* (*blakei*)
Confirmed: 1
- 1 - Cicada egg-laying injury, Unidentified Cicada

Confirmed: 1

1 - Cucurbit Septoria leaf spot, *Septoria cucurbitacearum*

Confirmed: 1

1 - , *Colletotrichum gloeosporioides*

Confirmed: 1

5 - Decline; Dieback, Abiotic disorder

Confirmed: 1

Suspected: 4

3 - Armyworms; General, Family Noctuidae

Confirmed: 1

Suspected: 2

1 - , Barley Yellow Dwarf Virus (BYDV-MAV)

Confirmed: 1

10 - *Bipolaris* spot blotch, *Bipolaris* sp./spp.

Confirmed: 10

1 - , *Lygus* sp./spp.

Suspected: 1

3 - Spot anthracnose, *Elsinoe corni*

Confirmed: 3

1 - , *Mycosphaerella* (ana. *Septoria*) *graminicola* (*tritici*)

Confirmed: 1

1 - Peony Leaf Blotch, *Cladosporium paeoniae*

Confirmed: 1

1 - Pear scab, *Venturia* (*Fusicladium*) *pirina* (*pyrorum*)

Confirmed: 1

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

Confirmed: 5

2 - *Cercospora* leaf spot, *Cercospora brassicicola*

Confirmed: 2

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

Confirmed: 75

Not Detected: 1

Suspected: 31

80 - No Pathogen Found, No Pathogen Found

Confirmed: 34

Inconclusive: 45

Not Detected: 1

8 - Mallow rust; Hollyhock rust, *Puccinia malvacearum*

Confirmed: 8

1 - Sugar maple borer, *Glycobius speciosus*

Confirmed: 1

1 - Juniper bud mite, *Trisetacus juniperinus*

Confirmed: 1

10 - Rust, *Gymnosporangium* sp./spp.

Confirmed: 10

3 - Oak leaf blister, *Taphrina caerulescens*

Confirmed: 3

1 - Copper Spot; Zonate Leaf Spot, *Microdochium* (*Gloeocercospora*) *sorghii*

Confirmed: 1

4 - Dollar spot, *Sclerotinia homeocarpa*

Confirmed: 4

2 - Boron deficiency, Abiotic disorder

Confirmed: 1

Suspected: 1

1 - Powdery mildew, *Erysiphe lagerstroemiae*

Confirmed: 1

3 - Phomopsis tip blight; Needle blight, *Phomopsis juniperovora*

Confirmed: 3

1 - , Potato Virus S (PVS)

Confirmed: 1

1 - Angular Leaf Spot, *Mycosphaerella angulata*

Confirmed: 1

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

Confirmed: 1

24 - Scorch, Abiotic disorder

Confirmed: 13

Suspected: 11

1 - Anthracnose, *Colletotrichum acutatum*

Confirmed: 1

1 - Root damage, Abiotic disorder

Confirmed: 1

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

Confirmed: 1

7 - Root Knot Nematodes, *Meloidogyne* sp./spp.

Confirmed: 6

Not Detected: 1

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

Suspected: 1

5 - Canker, Unidentified fungus

Suspected: 5

1 - Willow Black Canker, *Glomerella* (*Physalospora*) *miyabeana*

Confirmed: 1

2 - Ascochyta blight, *Ascochyta* sp./spp.

Confirmed: 2

2 - Bagworm moths, Family *Psychidae*

Confirmed: 2

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

Confirmed: 12

1 - Rose canker, *Coniothyrium* sp./spp.

Suspected: 1

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

Confirmed: 1

8 - Azalea lace bug, *Stephanitis pyrioides*

Confirmed: 8

- 3 - , Turnip Mosaic Virus (TuMV)
Suspected: 3
- 2 - Phytotoxicity, Abiotic disorder
Confirmed: 2
- 8 - Black spot (Rose), Diplocarpon (Marssonina) rosae
Confirmed: 8
- 1 - , Phyllosticta thujae
Confirmed: 1
- 1 - Crown sheath rot, Gaeumannomyces graminis
Confirmed: 1
- 1 - , Cercospora (pseudocercospora) juniperi
Confirmed: 1
- 5 - Soybean bacterial pustule, Xanthomonas campestris pv. glycines
Confirmed: 5
- 3 - Rose brown canker, Cryptosporella umbrina
Confirmed: 3
- 1 - Scab, Sphaceloma (tel. Elsinoe) poinsettiae
Confirmed: 1
- 1 - Temperature induced pathology, Abiotic disorder
Suspected: 1
- 1 - Bacterial speck, Pseudomonas syringae PV. tomato
Confirmed: 1
- 2 - Brown Spot, Mycosphaerella (Dothistroma) pini
Confirmed: 2
- 2 - Oxygen deficiency, Abiotic disorder
Confirmed: 1
Suspected: 1
- 1 - , Curvularia sp./spp.
Confirmed: 1
- 1 - Mulberry leaf spot, Cercosporella mori
Confirmed: 1

- 2 - Spot anthracnose, *Elsinoe quercus-falcatae*
Confirmed: 2
- 4 - White spot, *Cercospora* sp./spp.
Confirmed: 2
Suspected: 2
- 1 - Phomopsis seed decay, *Phomopsis* sp./spp.
Confirmed: 1
- 39 - Abnormal root development, Unidentified Agent
Confirmed: 1
Suspected: 38
- 14 - , Identification Analysis
Confirmed: 9
Inconclusive: 1
Suspected: 4
- 15 - Nutritional pathology, Abiotic disorder
Confirmed: 1
Suspected: 14
- 1 - Oak Twig Canker and Dieback, *Botryosphaeria* (ana. *Dothiorella*) *quercuum* (quercina)
Confirmed: 1
- 2 - Neocosmospora root or fruit rot, *Neocosmospora vasinfecta*
Confirmed: 2
- 5 - Manganese toxicity, Abiotic disorder
Suspected: 5
- 11 - Bipolaris Leaf Spot, *Cochliobolus setariae*
Confirmed: 11
- 1 - Oak vein pocket gallmaker, *Macrodidymomyces quercusoruca*
Confirmed: 1
- 2 - Fusarium crown; Foot rot, *Fusarium solani* f.sp. *cucurbitae*
Confirmed: 2
- 3 - Canker; Stem Blight; Dieback, *Botryosphaeria dothidea*
Confirmed: 3
- 2 - Fungal leaf spot, *Cercospora hydrangeae*

Confirmed: 2

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

Confirmed: 2

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

Confirmed: 6

1 - Bacterial canker, Mixed bacterial species

Confirmed: 1

1 - Pine beetles, Family Scolytidae

Suspected: 1

1 - Leaf and stem blight, *Volutella pachysandrae*

Confirmed: 1

2 - Septoria Leaf Spot, *Mycosphaerella* (ana. *Septoria*) *graminicola* (*tritici*)

Confirmed: 2

1 - Horntails, Family Siricidae

Confirmed: 1

1 - Aerial blight, *Phytophthora nicotianae*

Confirmed: 1

1 - Rice stinkbug, *Tibraca limbativentris*

Confirmed: 1

1 - Nigrospora blight, *Nigrospora* sp./spp.

Confirmed: 1

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

Confirmed: 1

1 - Downy mildew, *Peronospora potentillae*

Suspected: 1

1 - Pith necrosis, *Pseudomonas corrugata*

Confirmed: 1

2 - Groundpearls, *Margarodes* sp./spp.

Confirmed: 1

Suspected: 1

2 - Sunlight-induced pathology, Abiotic disorder

Suspected: 2

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

Confirmed: 1

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

Confirmed: 1

6 - Powdery mildew, Erysiphe sp./spp.

Confirmed: 6

1 - Hickory seed gallmaker, Phylloxera caryaesemen

Confirmed: 1

3 - Windburn, Abiotic disorder

Suspected: 3

5 - Take all, Gaeumannomyces graminis var. avenae

Confirmed: 5

1 - Pecan leaf scorch mite, Eotetranychus hicoriae

Confirmed: 1

1 - , Phomopsis juniperovora

Confirmed: 1

10 - Soybean sudden death syndrome, Fusarium virguliforme

Confirmed: 6

Suspected: 4

23 - Insect damage, Unidentified Insect

Confirmed: 20

Suspected: 3

1 - Mycosphaerella Leaf Spot, Mycosphaerella (Phloeospora) mori (maculans)

Confirmed: 1

3 - Adequate sample, Identification Analysis

Confirmed: 3

3 - Fusarium crown rot, Fusarium sp./spp.

Confirmed: 3

1 - Soybean Brown Stem Rot, Cadophora (Phialophora) gregata

Suspected: 1

- 3 - Arborvitae needle blight, *Phyllosticta thujae*
Confirmed: 3
- 3 - Purple seed-stain; Leaf blight, *Cercospora kikuchii*
Confirmed: 3
- 7 - Bacterial Leaf Scorch (BLS), *Xylella fastidiosa* (BLS)
Confirmed: 7
- 2 - Leaf Blight; Stem Blight; Stem Canker, *Phoma exigua*
Confirmed: 2
- 1 - *Cercospora* Blight, *Cercospora sequoiae*
Confirmed: 1
- 14 - Cucumber Mosaic, Cucumber Mosaic Virus (CMV)
Confirmed: 14
- 1 - Southern pine beetle, *Dendroctonus frontalis*
Suspected: 1
- 3 - Strawberry Angular Leaf Spot; A, *Xanthomonas fragariae*
Confirmed: 3
- 195 - Australasian soybean rust, *Phakopsora pachyrhizi*
Confirmed: 21
Not Detected: 174
- 3 - Bacterial blight, *Pseudomonas syringae syringae*
Confirmed: 3
- 11 - *Fusarium* root rot, *Fusarium* sp./spp.
Confirmed: 9
Suspected: 2
- 1 - Downy mildew (Lettuce), *Bremia lactucae*
Confirmed: 1
- 10 - Rose downy mildew, *Peronospora sparsa*
Confirmed: 10
- 2 - Leafminer flies, Family Agromyzidae
Confirmed: 2
- 1 - Flatheaded appletree borer, *Chrysobothris femorata*

Confirmed: 1

1 - Pecan weevil, *Curculio caryae*

Confirmed: 1

5 - Low pH; Nutrient imbalance, Abiotic disorder

Confirmed: 1

Suspected: 4

3 - Anthracnose, *Gloeosporium* sp./spp.

Confirmed: 3

4 - White drupelet disorder, Abiotic Disorder

Confirmed: 4

1 - Gummy stem blight, *Didymella* sp./spp.

Confirmed: 1

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

Confirmed: 1

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

Suspected: 1

4 - Clearwing borers, Family Sesiidae

Confirmed: 2

Suspected: 2

3 - Anthracnose, *Colletotrichum fragariae*

Confirmed: 3

4 - Rust mites, Order acari

Confirmed: 3

Suspected: 1

1 - Eriophyid mites, Family Eriophyidae

Confirmed: 1

1 - Sooty mold, Unidentified Fungus

Confirmed: 1

1 - Twig blight, *Diaporthe* sp./spp.

Confirmed: 1

1 - Smut, *Ustilago* sp./spp.

Confirmed: 1

- 1 - Leaf spot of maple, *Coniothyrium negundinis*
Confirmed: 1
- 41 - Environmental stress; Problem, Abiotic disorder
Confirmed: 2
Inconclusive: 1
Suspected: 38
- 2 - , *Cercospora rosicola*
Confirmed: 2
- 21 - Excessive water, Abiotic disorder
Confirmed: 6
Suspected: 15
- 1 - , Phytoplasma
Suspected: 1
- 3 - Fuzzy oak gall wasp, *Andricus quercusflocci*
Confirmed: 3
- 10 - Boxwood *Volutella* blight; Canker, *Volutella buxi*
Confirmed: 10
- 2 - Canker; Coral Spot; Blight; Dieback, *Nectria (Tubercularia) cinnabarina* (vulgaris)
Confirmed: 2
- 1 - , *Sphaeropsis (Diplodia) sapinea* (pineae)
Confirmed: 1
- 7 - *Botryosphaeria* Canker; Dieback, *Botryosphaeria (Diplodia) stevensii* (mutilla)
Confirmed: 7
- 8 - Blossom end rot, Abiotic disorder
Confirmed: 7
Suspected: 1
- 1 - Oak powdery mildew, *Erysiphe (Oidium) alphitoides*
Confirmed: 1
- 1 - Bacterial fruit and leaf spot, *Xanthomonas* sp./spp.
Confirmed: 1
- 2 - Cedar-apple rust, *Gymnosporangium juniperi-virginianae*

Confirmed: 2

4 - Magnesium deficiency, Abiotic disorder

Suspected: 4

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

Confirmed: 1

2 - Oak leaf Phylloxera, *Phylloxera glabra*

Confirmed: 1

Suspected: 1

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

Confirmed: 4

14 - Bacterial canker, *Clavibacter michiganensis michiganensis*

Confirmed: 12

Suspected: 2

2 - Bacterial wilt, *Ralstonia solanacearum*

Confirmed: 2

1 - Bacterial fruit blotch, *Acidovorax* sp./spp.

Confirmed: 1

2 - Cultural/environmental problem, Abiotic disorder

Suspected: 2

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

Confirmed: 1

1 - Dog stinkhorn, *Mutinus caninus*

Confirmed: 1

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

Confirmed: 7

1 - Dudaim melon; Muskmelon, *Cucumis melo* var. *dudaim*

Confirmed: 1

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

Confirmed: 4

Suspected: 5

1 - Grape Phylloxera, *Daktulosphaira vitifoliae*

Confirmed: 1

- 1 - Anthracnose; Colletotrichum leaf spot, Colletotrichum sp./spp.
Confirmed: 1
- 2 - Southern Blight, Sclerotinia sclerotiorum
Confirmed: 2
- 13 - Herbicide drift, Abiotic disorder
Confirmed: 6
Suspected: 7
- 2 - Roseslug, Endelomyia aethiops
Confirmed: 2
- 1 - Chinch bug complex, Blissus sp./spp.
Confirmed: 1
- 1 - Fig Rust, Cerotelium (Physopella) fici
Suspected: 1
- 1 - , Odontopus calceatus
Confirmed: 1
- 1 - Fairy ring, Various fungi
Suspected: 1
- 1 - Soybean stem borer, Dectes texanus
Confirmed: 1
- 1 - Soybean green stem syndrome, Unidentified Agent
Confirmed: 1
- 3 - Barley Yellow Dwarf Strain 2, Barley Yellow Dwarf Strain 2 (BYDV-PAV)
Confirmed: 3
- 19 - Sunscald, Abiotic disorder
Confirmed: 5
Suspected: 14
- 3 - Pythium pod and stem blight, Pythium sp./spp.
Confirmed: 3
- 3 - Black Rot, Guignardia (Phyllosticta) bidwellii (ampellicida)
Confirmed: 3
- 5 - Stink bugs, Family Pentatomidae

Confirmed: 4
Suspected: 1

1 - Normal Plant Growth, Identification Analysis
Confirmed: 1

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

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

2 - Rhizoctonia leaf spot and/or leaf blight, Rhizoctonia sp./spp.
Confirmed: 2

7 - Soybean bacterial blight, Pseudomonas syringae pv. glycinea
Confirmed: 7

5 - Water damage, Abiotic disorder
Confirmed: 1
Suspected: 4

1 - Squash Mosaic, Squash Mosaic Virus (SQMV)
Confirmed: 1

1 - Phylloxerans, Family Phylloxeridae
Confirmed: 1

1 - Iris Leaf Spot, Cladosporium (Heterosporium) iridis
Confirmed: 1

1 - Vein Pocket Gallmaker, Macrodidiplosis erubescens
Confirmed: 1

1 - , Grapevine Leaf Roll Virus
Suspected: 1

2 - Anthracnose, Glomerella sp./spp.
Confirmed: 2

1 - Needle Nematode, Longidorus sp./spp.
Confirmed: 1

9 - Soybean cyst nematode (SCN), Heterodera glycines
Confirmed: 9

- 1 - Normal Plant Growth, Identification Analysis
Confirmed: 1
- 1 - Watermelon Mosaic, Watermelon Mosaic Virus (WMV)
Confirmed: 1
- 1 - Alternaria blotch (Apple), Alternaria mali
Confirmed: 1
- 3 - Plum Curculio, Conotrachelus nenuphar
Confirmed: 2
Suspected: 1
- 3 - Entomosporium leaf spot, Entomosporium sp./spp.
Confirmed: 3
- 2 - Ivy bacterial leaf spot, Xanthomonas campestris pv. hederae
Confirmed: 2
- 3 - Charcoal rot, Macrophomina sp./spp.
Confirmed: 3
- 26 - High temperature damage, Abiotic disorder
Confirmed: 3
Suspected: 23
- 5 - Cucurbit bacterial wilt, Erwinia tracheiphila
Confirmed: 4
Not Detected: 1
- 1 - Boxwood Macrophoma leaf spot, Dothiorella (Macrophoma) sempervirens (candollei)
Confirmed: 1
- 1 - White grubs (Scarab beetles), Family Scarabaeidae
Confirmed: 1
- 1 - Squash vine borer, Melittia cucurbitae
Confirmed: 1
- 1 - , Pseudomonas sp./spp.
Confirmed: 1
- 52 - Pythium blight; Cottony blight, Pythium sp./spp.
Confirmed: 52

- 1 - Elms yellows; Elm phloem necrosis, Candidatus Phytoplasma ulmi
Suspected: 1
- 1 - Iris borer, *Macronoctua onusta*
Confirmed: 1
- 1 - Aggregate sheath spot, *Ceratobasidium setariae*
Confirmed: 1
- 1 - Scab, *Sphaceloma* sp./spp.
Confirmed: 1
- 5 - Bacterial canker, *Pseudomonas syringae*
Confirmed: 3
Suspected: 2
- 2 - Phosphorus deficiency, Abiotic disorder
Suspected: 2
- 1 - Sheath blight, *Rhizoctonia* sp./spp.
Confirmed: 1
- 7 - Tomato; Pepper bacterial spot, *Xanthomonas campestris* pv. *vesicatoria*
Confirmed: 7
- 23 - Curvularia blight; Leaf spot, *Curvularia* sp./spp.
Confirmed: 23
- 1 - Phytophthora fruit rot, *Phytophthora cactorum*
Suspected: 1
- 1 - False Smut, *Cercospora seminalis*
Confirmed: 1
- 1 - Cowpea bacterial blight, *Xanthomonas campestris* pv. *vignicola*
Confirmed: 1
- 5 - Phomopsis dieback; Tip blight; Canker, *Phomopsis* sp./spp.
Confirmed: 5
- 2 - Canker, *Pythium* sp./spp.
Confirmed: 2
- 4 - Bacterial wetwood; Slime flux, Various Pathogens
Confirmed: 2

Suspected: 2

1 - Rhizoctonia Petiole Rot, Thanatephorus (Rhizoctonia) cucumeris (solani)
Confirmed: 1

1 - Black spot, Alternaria brassicae
Confirmed: 1

14 - , Abiotic disorder
Confirmed: 5
Inconclusive: 1
Suspected: 8

1 - Bacterial blight, Unidentified Bacteria
Confirmed: 1

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

12 - Chemical injury, Abiotic disorder
Confirmed: 2
Suspected: 10

2 - Purple camellia mite, Calacarus carinatus
Confirmed: 2

3 - Herbicide carryover, Abiotic disorder
Confirmed: 1
Suspected: 2

42 - Spring dead spot, Ophiosphaerella sp./spp.
Confirmed: 41
Suspected: 1

1 - Hydrangea Bacterial Blight, Ralstonia (Pseudomonas) solanacearum
Confirmed: 1

1 - , Blumeriella (Coccomyces) jaapii (hiemalis)
Confirmed: 1

1 - Soybean vein necrosis, Soybean Vein Necrosis Virus (SVNV)
Confirmed: 1

3 - Kabatina tip blight; Needle blight, Kabatina juniperi
Confirmed: 3

- 1 - Botrytis canker, *Botrytis* sp./spp.
Confirmed: 1
- 5 - Soybean frog-eye leaf spot, *Cercospora sojina*
Confirmed: 5
- 7 - , No Pathogen Found
Confirmed: 4
Inconclusive: 3
- 1 - Fungal pathogens, General
Suspected: 1
- 1 - Needle cast, *Lirula* sp./spp.
Confirmed: 1
- 1 - , *Mycosphaerella angulata*
Suspected: 1
- 3 - Anthracnose Stalk Rot, *Glomerella* (*Colletotrichum*) *graminicola*
Confirmed: 3
- 35 - Fire blight, *Erwinia amylovora*
Confirmed: 35
- 1 - Magnolia dieback, *Shearia fusa*
Confirmed: 1
- 1 - Low pH; High soluble salt damage, Abiotic disorder
Suspected: 1
- 6 - Pecan Phylloxera, *Phylloxera devastatrix*
Confirmed: 6
- 1 - Mottle necrosis, *Pythium* sp./spp.
Confirmed: 1
- 4 - Verticillium wilt, *Verticillium* sp./spp.
Confirmed: 2
Suspected: 2
- 1 - Peach bacterial gummosis, *Pseudomonas syringae*
Confirmed: 1
- 1 - Corn flea beetle, *Chaetocnema pulicaria*
Confirmed: 1

- 2 - Yellow tuft, *Sclerophthora* (*Phytophthora*) *macrospora*
Confirmed: 2
- 4 - *Phomopsis* blight, *Phomopsis* sp./spp.
Confirmed: 4
- 2 - Oak twig blight, *Coryneum kunzei*
Confirmed: 2
- 2 - Anthracnose; Black spot, *Stegophora* (*Gnomonia*) *ulmea*
Confirmed: 2
- 1 - Broad mite, *Polyphagotarsonemus latus*
Confirmed: 1
- 2 - Impatiens Necrotic Spot, Impatiens Necrotic Spot Virus (INSV)
Confirmed: 2
- 1 - Southern stem rot, *Sclerotium rolfsii*
Confirmed: 1
- 1 - Hail damage, Abiotic disorder
Confirmed: 1
- 1 - , *Stigmina* sp./spp.
Confirmed: 1
- 1 - Raspberry cane borer, *Oberea bimaculata*
Confirmed: 1
- 1 - White mold (Stem rot), *Sclerotinia sclerotiorum*
Confirmed: 1
- 22 - Rust, *Puccinia cynodontis*
Confirmed: 22
- 2 - Buckeye fruit and root rot, *Phytophthora capsici*
Confirmed: 2
- 2 - Slime Mold, Class myxomycetes; myxomycota
Confirmed: 2
- 1 - Wood rot fungus, *Xylaria* sp./spp.
Suspected: 1

- 1 - , Watermelon Mosaic Virus (WMV)
Confirmed: 1
- 1 - Wheat streak mosaic, Wheat Streak Mosaic Virus (WSMV)
Confirmed: 1
- 15 - Fusarium Wilt Complex, Fusarium sp./spp.
Confirmed: 13
Suspected: 2
- 2 - Flower smut, Ustilago cynodontis
Confirmed: 2
- 2 - Peach leaf curl, Taphrina deformans
Confirmed: 2
- 1 - , Fuligo septica
Confirmed: 1
- 1 - Catface, Abiotic disorder
Confirmed: 1
- 3 - Iris leaf spot, Mycosphaerella (ana Heterosporium) macrospora (gracile)
Confirmed: 3
- 1 - Nutrient imbalance, Abiotic disorder
Suspected: 1
- 1 - Seasonal leaf drop, Abiotic disorder
Confirmed: 1
- 69 - Herbicide injury; Exposure, Abiotic disorder
Confirmed: 26
Suspected: 43
- 3 - Cane Blight; Canker, Leptosphaeria (Coniothyrium) coniothyrium (fuckelli)
Suspected: 3