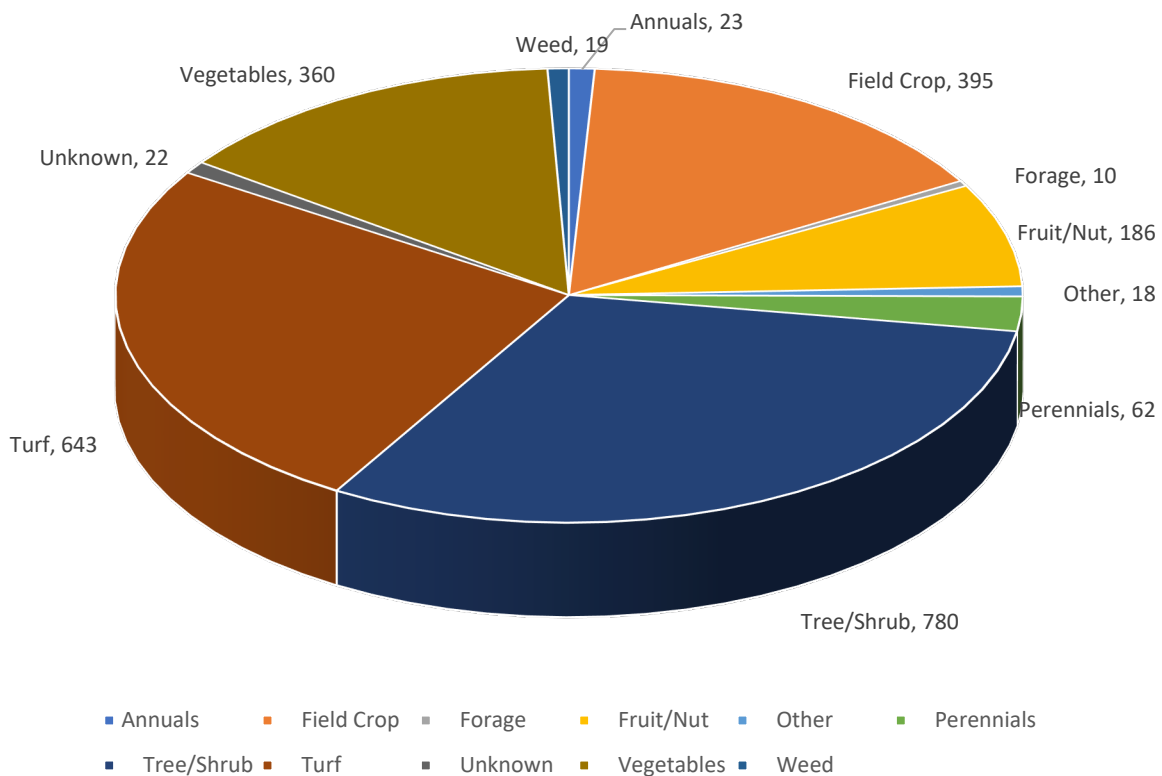


Plant Health Clinic 2011 Summary Report

The Plant Health Clinic received 2518 plant samples in 2011. Numbers were 13.4% below the previous year, with fewer field crop samples being the reason for the decline. Specifically, there were 547 fewer soybean samples in 2011 than in 2010. The Plant Health Clinic received fewer field crop samples due to repeated flooding in the spring, followed by prolonged heat and drought conditions. The largest number of samples in 2011 was for the category trees/shrubs (31%), followed by turf (26%), field crops (16%), vegetables (14%), fruits/nuts (7%), perennials (2%), annuals (1%), unknown (1%), weeds (1%), other (0.60%), and forage (0.40%) Note that there was a 56% increase in turf samples over the previous year.

Plant Health Clinic Samples January 1, 2011-January 1, 2012



Plant Health Samples by Commodity	Number of Samples
Annuals	23
Field Crop	395
Forage	10
Fruit/Nut	186
Other	18
Perennials	62
Tree/Shrub	780
Turf	643
Unknown	22
Vegetables	360
Weed	19
Total	2518

District	Plant Health Samples Submitted
Out of State	71
Delta	1007
Ouachita	783
Ozark	657
Total	2518

Month Plant Health Samples Submitted

January	25
Week 2	7
Week 3	5
Week 4	4
Week 5	8
Week 6	1
February	25
Week 6	2
Week 7	3
Week 8	7
Week 9	13
March	165
Week 10	18
Week 11	18
Week 12	33
Week 13	57
Week 14	39
April	226
Week 15	39

Week 16	51
Week 17	65
Week 18	71
May	407
Week 19	77
Week 20	120
Week 21	101
Week 22	88
Week 23	21
June	432
Week 23	41
Week 24	109
Week 25	101
Week 26	105
Week 27	76
July	409
Week 27	8
Week 28	96
Week 29	93
Week 30	118
Week 31	94
August	342
Week 32	81
Week 33	68
Week 34	83
Week 35	55
Week 36	55
September	260
Week 36	25
Week 37	61
Week 38	69
Week 39	64
Week 40	41
October	135
Week 41	34
Week 42	39
Week 43	35
Week 44	27
November	69
Week 45	24
Week 46	13
Week 47	3
Week 48	2
Week 49	27
December	23
Week 49	5

Week 50 6
 Week 51 9
 Week 52 3

Plant Health Total 2518

County	Plant Health Samples Submitted	County	Plant Health Clinic Samples Submitted
Arkansas	56	Ashley	3
Baxter	87	Benton	5
Boone	35	Bradley	10
Carroll	16	Chicot	9
Clark	35	Clay	22
Cleburne	13	Columbia	16
Conway	7	Craighead	174
Crawford	20	Crittenden	19
Cross	8	Desha	7
Drew	13	Faulkner	161
Franklin	14	Fulton	6
Garland	212	Grant	2
Greene	33	Hempstead	10
Hot Spring	2	Independence	18
Izard	18	Jackson	32
Jefferson	71	Johnson	5
Lafayette	3	Lawrence	43
Lee	24	Lincoln	3
Logan	25	Lonoke	150
Madison	1	Marion	24
Miller	7	Mississippi	84
Monroe	6	Montgomery	8
Nevada	11	Newton	3
Ouachita	23	Out of State	71
Perry	2	Phillips	61
Pike	1	Poinsett	22
Polk	8	Pope	37
Prairie	44	Pulaski	360
Randolph	6	Saline	69
Sebastian	20	Sevier	4
Sharp	7	St. Francis	40
Stone	3	Van Buren	4
Washington	124	White	72
Woodruff	5	Yell	4

Plant Health Total 2518

1 - Rodent damage, Abiotic disorder

Confirmed: 1

1 - Helminthosporium Leaf Spot, Cochliobolus (Bipolaris) cynodontis

Confirmed: 1

45 - Cotton angular leaf spot, Xanthomonas campestris pv. malvacearui

Confirmed: 24

Not Detected: 21

27 - Glyphosate injury, Abiotic disorder

Confirmed: 14

Suspected: 13

1 - Bacterial soft rot, Erwinia carotovora carotovora

Confirmed: 1

1 - Powdery mildew, Sphaerotheca pannosa

Confirmed: 1

1 - Woolly oak aphid, Diphylaphis microtrema

Confirmed: 1

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

Not Detected: 3

1 - , Choanephora sp./spp.

Confirmed: 1

1 - Anthracnose, *Colletotrichum orbiculare*

Confirmed: 1

1 - , Family Psyllidae

Confirmed: 1

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

Confirmed: 2

16 - Scale insects, Order homoptera

Confirmed: 16

29 - Anthracnose, *Colletotrichum graminicola*

Confirmed: 29

1 - White Rot, *Stromatina (Sclerotium) cepivora (cepivorum)*

Confirmed: 1

6 - Stem Rot; Southern Blight, *Althelia (Sclerotium) rolfsii*

Confirmed: 6

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

Confirmed: 1

Suspected: 1

2 - Potassium deficiency, Abiotic disorder

Suspected: 2

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

Confirmed: 1

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

Confirmed: 1

2 - Greater peachtree borer (GPtB), *Synanthedon exitiosa*

Suspected: 2

1 - Onion downy mildew, *Peronospora destructor*

Confirmed: 1

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

Confirmed: 1

1 - Leaf spot, Unidentified Fungus

Confirmed: 1

2 - Raspberry crown borer, *Pennisetia marginata*

Confirmed: 1

Suspected: 1

6 - Tomato bacterial speck, *Pseudomonas tomato*

Confirmed: 6

1 - Rose wilt, Unknown Agent

Inconclusive: 1

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

Confirmed: 3

Suspected: 2

8 - Viruses, Viruses

Not Detected: 3

Suspected: 5

4 - Azalea Leaf Spot, *Cercospora handelii*

Confirmed: 4

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

Confirmed: 6

Not Detected: 1

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

Confirmed: 22

2 - Dogwood leaf spot, *Septoria cornicola*

Confirmed: 2

1 - Mealybugs, Family Pseudococcidae

Confirmed: 1

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

Confirmed: 1

Suspected: 1

1 - Crown and Root Rot, Pathogen complex

Confirmed: 1

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

Confirmed: 4

1 - Root problems, Abiotic disorder

Suspected: 1

1 - , Fulvia fulva

Confirmed: 1

2 - Pecan leaf Phylloxera, Phylloxera notabilis

Confirmed: 2

1 - Rose midge, Dasineura rhodophaga

Confirmed: 1

2 - Poor pollination, Abiotic disorder

Confirmed: 2

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

Confirmed: 33

1 - Maple canker, Stegосporium sp./spp.

Confirmed: 1

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

Confirmed: 1

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

Confirmed: 1

1 - Harlequin bug, *Murgantia histrionica*

Confirmed: 1

1 - Oak bark beetle, *Pseudopityophthorus pruinus*

Suspected: 1

45 - Insufficient sample, Identification Analysis

Confirmed: 6

Inconclusive: 38

Suspected: 1

1 - Over fertilization, Abiotic disorder

Suspected: 1

2 - Phototoxicity, Abiotic disorder

Suspected: 2

1 - Gouty oak gall wasp, *Callirhytis quercus*

Confirmed: 1

13 - Drought stress damage, Abiotic disorder

Confirmed: 1

Suspected: 12

1 - Black Knot, *Apiosporina* (*Dibotryon*) *morbosa* (*morbosum*)

Confirmed: 1

1 - Wood Rot Fungus, *Perenniporia* (*Trametes*) *robiniophila*

Suspected: 1

1 - , *Cryptosporiopsis* sp./spp.

Confirmed: 1

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

Suspected: 1

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

Confirmed: 1

6 - , *Ralstonia* (*Pseudomonas*) *solanacearum*

Confirmed: 6

1 - Rice stalk borer, *Chilo* *plejadellus*

Confirmed: 1

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

Confirmed: 1

1 - Grape white rot, *Coniothyrium* (*Coniella*) *diplodiella*

Confirmed: 1

2 - Cytospora canker; Dieback, *Cytospora* sp./spp.

Confirmed: 2

8 - Maple Anthracnose, *Gloeosporium apocryptum*

Confirmed: 8

26 - 2-4-d Injury, Abiotic disorder

Confirmed: 8

Suspected: 18

1 - Crucifer bacterial black rot, *Xanthomonas campestris*

Confirmed: 1

1 - Lophodermium needlecast, *Lophodermium juniperinum*

Confirmed: 1

1 - , Saprophytic Fungi and Yeasts

Confirmed: 1

5 - Botrytis blight, *Botrytis* sp./spp.

Confirmed: 5

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

Confirmed: 1

2 - Fusarium yellows, *Fusarium oxysporum*

Confirmed: 2

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

Confirmed: 1

17 - Charcoal rot, *Macrophomina phaseolina*

Confirmed: 17

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

Confirmed: 3

58 - Winter injury, Abiotic disorder

Confirmed: 3

Suspected: 55

2 - Yellow-bellied sapsucker, *Sphyrapicus varius*

Confirmed: 1

Suspected: 1

6 - Whiteflies, Family Aleyrodidae

Confirmed: 6

4 - *Septoria* leaf spot, *Septoria lycopersici*

Confirmed: 4

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

Confirmed: 7

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

Confirmed: 7

2 - Crazy top downy mildew, *Sclerophthora macrospora*

Confirmed: 2

7 - Bacterial leaf spot, *Xanthomonas campestris pruni*

Confirmed: 7

1 - Lace bugs, Family Tingidae

Confirmed: 1

2 - Rust; Leaf rust, *Puccinia zoysiae*

Confirmed: 2

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

Confirmed: 3

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

Confirmed: 3

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

Confirmed: 1

21 - Tobacco Mosaic, Tobacco Mosaic Virus (TMV)

Confirmed: 21

1 - Sorghum downy mildew, *Peronosclerospora sorghi*

Suspected: 1

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

Confirmed: 1

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

Confirmed: 1

1 - Threecornered alfalfa hopper, *Spissistilus festinus*

Confirmed: 1

4 - Bacterial canker, *Pseudomonas syringae syringae*

Confirmed: 3

Suspected: 1

3 - Aerial stem blight, *Phytophthora* sp./spp.

Confirmed: 3

16 - Mites, Order Acari

Confirmed: 16

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

Confirmed: 6

Suspected: 2

16 - Chemical; Environmental injury, Abiotic disorder

Confirmed: 1

Suspected: 15

1 - Heuchera rust, *Puccinia heucherae*

Confirmed: 1

1 - Floating waterprimrose, *Ludwigia repens*

Suspected: 1

1 - Site disturbance, Abiotic disorder

Suspected: 1

1 - Aggregate sheath spot, *Rhizoctonia oryzae-sativae*

Confirmed: 1

1 - Redbud borer, *Ptosima gibbicollis*

Suspected: 1

1 - Silver Leaf, *Chondrostereum (Stereum) purpurem*

Suspected: 1

8 - Oedema; Edema, Abiotic disorder

Confirmed: 8

1 - Bacterial leaf spot, *Pseudomonas syringae*

Confirmed: 1

1 - Azalea leaf scorch, *Septoria azalea*

Confirmed: 1

2 - Azalea anthracnose, *Colletotrichum azaleae*

Confirmed: 2

1 - Sooty mold, *Cladosporium* sp./spp.

Confirmed: 1

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

Suspected: 1

1 - Popcorn disease, *Ciboria carunculoides*

Confirmed: 1

1 - , Unidentified Nematode

Confirmed: 1

2 - Grapevine Pierce's Disease (PD), *Xylella fastidiosa* (PD)

Confirmed: 1

Not Detected: 1

13 - Freeze; Frost; Cold damage, Abiotic disorder

Suspected: 13

1 - Pecan *Catocala* caterpillars, *Catocala maestosa*

Suspected: 1

3 - Daylily leaf streak, *Collecephalus hemerocallidis*

Confirmed: 2

Suspected: 1

1 - Bristly roseslug, *Cladius difformis*

Confirmed: 1

2 - Cucumber Scab; Gummosis, *Cladosporium cucumerinum*

Confirmed: 1

Suspected: 1

10 - Thousand cankers disease, *Geosmithia morbida*

Not Detected: 10

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

Confirmed: 1

2 - Bacterial mosaic, *Clavibacter michiganensis tessellarius*

Suspected: 2

6 - Canker, *Hypoxylon* sp./spp.

Confirmed: 3

Suspected: 3

2 - Oak lace bug, *Corythucha arcuata*

Confirmed: 2

6 - Natural senescence, Abiotic disorder

Confirmed: 2

Suspected: 4

5 - Common bacterial blight, *Xanthomonas campestris* pv. *phaseoli*

Confirmed: 5

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

Confirmed: 1

4 - High pH damage, Abiotic disorder

Confirmed: 2

Suspected: 2

1 - Crown gall, *Agrobacterium tumefaciens*

Confirmed: 1

3 - *Euonymus* powdery mildew, *Erysiphe (Oidium) euonymi-japonici*

Confirmed: 3

1 - Spot anthracnose, *Elsinoe veneta*

Confirmed: 1

17 - Cypress canker, *Seiridium cardinale*

Confirmed: 12

Suspected: 5

3 - Algae, General

Confirmed: 3

1 - Cedar-quince rust, *Gymnosporangium clavipes*

Confirmed: 1

5 - Early blight; Leaf spot, *Alternaria solani*

Confirmed: 4

Suspected: 1

1 - Grape downy mildew, *Plasmopara viticola*

Confirmed: 1

3 - Rice Blast, *Magnaporthe grisea*

Confirmed: 3

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

Confirmed: 6

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

Confirmed: 1

187 - Large Patch, *Thanatephorus (Rhizoctonia) cucumeris (solani)*

Confirmed: 186

Suspected: 1

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

Confirmed: 6

Suspected: 1

1 - Wildfire, *Pseudomonas syringae PV. tabaci*

Confirmed: 1

1 - , *Coniothyrium sp./spp.*

Confirmed: 1

1 - Target Spot, *Cochliobolus* (ana. *Bipolaris*) *sorghicola*

Confirmed: 1

1 - Anthracnose; Leaf spot, *Colletotrichum trichellum*

Confirmed: 1

2 - Pecan shuck decline, Unidentified Agent

Confirmed: 2

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

Confirmed: 50

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

Confirmed: 2

21 - Spider mites, Family Tetranychidae

Confirmed: 20

Suspected: 1

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

Confirmed: 156

Suspected: 1

1 - Euonymus scale, *Unaspis euonymi*

Confirmed: 1

1 - Arborvitae leaf blight, *Didymascella thujina*

Confirmed: 1

6 - Bean brown spot blight, *Pseudomonas syringae*

Confirmed: 6

5 - Aphids (Plant lice), Family Aphididae

Confirmed: 4

Inconclusive: 1

1 - Lesser peachtree borer (LPtB), *Synanthedon pictipes*

Confirmed: 1

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

Confirmed: 1

4 - , Unidentified Canker

Confirmed: 2

Suspected: 2

1 - Arborvitae leafminer, *Argyresthia thuiella*

Confirmed: 1

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

Confirmed: 1

1 - , *Cercospora hydrangeae*

Confirmed: 1

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

Confirmed: 1

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

Confirmed: 1

2 - Bacterial blight, *Xanthomonas* sp./spp.

Confirmed: 2

1 - Erineum galls, Family Eriophyidae

Confirmed: 1

1 - Wireworms (Click beetles), Family Elateridae

Confirmed: 1

2 - Grape leaf folder, *Desmia funeralis*

Confirmed: 2

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

Confirmed: 4

15 - Bacterial leaf spot, Unidentified Bacteria

Confirmed: 15

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

Confirmed: 2

3 - , *Cercospora kikuchii*

Confirmed: 3

4 - Rose Rosette Disease, Rose rosette-associated virus (RRaV)

Confirmed: 4

7 - Pecan; Hickory Scab, *Cladosporium caryigenum*

Confirmed: 6

Suspected: 1

12 - Nutritional deficiency, Abiotic disorder

Confirmed: 2

Suspected: 10

1 - Hypoxylon canker, *Entoleuca (Hypoxylon) mammata (blakei)*

Suspected: 1

1 - Bark parasite or saprophyte, *Cryphonectria parasitica*

Confirmed: 1

3 - Cicada egg-laying injury, Unidentified Cicada

Confirmed: 3

1 - White peach scale, *Pseudaulacaspis pentagona*

Confirmed: 1

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

Confirmed: 1

8 - Decline; Dieback, Abiotic disorder

Confirmed: 1

Suspected: 7

1 - Apple blight, *Diaporthe mali*

Confirmed: 1

1 - Armyworms; General, Family Noctuidae

Confirmed: 1

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

Confirmed: 1

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

Confirmed: 1

1 - Peony Leaf Blotch, *Cladosporium paeoniae*

Confirmed: 1

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

Confirmed: 70

Not Detected: 2

Suspected: 19

81 - No Pathogen Found, No Pathogen Found

Confirmed: 33

Inconclusive: 46

Suspected: 2

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

Confirmed: 3

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

Confirmed: 3

1 - Volutella leaf blight; Dieback, *Volutella* sp./spp.

Confirmed: 1

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

Confirmed: 1

1 - , *Phomopsis viticola*

Confirmed: 1

5 - Dollar spot, *Sclerotinia homeocarpa*

Confirmed: 5

1 - Bacterial soft rot, Unidentified Bacterium

Confirmed: 1

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

Confirmed: 2

1 - Oak apple galls, Family Cynipidae

Confirmed: 1

1 - Phomopsis tip blight; Needle blight, Phomopsis juniperovora

Confirmed: 1

1 - , Elsinoe quercus-falcatae

Confirmed: 1

15 - Scorch, Abiotic disorder

Confirmed: 8

Suspected: 7

1 - Anthracnose, Colletotrichum acutatum

Confirmed: 1

1 - Anthracnose, Gnomonia caryae

Confirmed: 1

1 - Passionflowers, Family Passifloraceae

Suspected: 1

1 - Sweetpotato soilrot, Streptomyces ipomoeae

Suspected: 1

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

Confirmed: 3

Suspected: 1

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

Confirmed: 1

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

Confirmed: 2

1 - Genetic disorders, Abiotic disorder

Suspected: 1

12 - Canker, Unidentified fungus

Confirmed: 4

Suspected: 8

1 - Root suckers, Abiotic disorder

Confirmed: 1

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

Confirmed: 3

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

Confirmed: 2

1 - Oak Wilt, *Ceratocystis* (*Chalara*) *fagacearum* (*quercina*)

Suspected: 1

3 - Bagworm moths, Family *Psychidae*

Confirmed: 3

1 - Apple-and-thorn skeletonizer, *Choreutis* *pariana*

Confirmed: 1

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

Confirmed: 1

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

Confirmed: 6

1 - Needle Blight of Pine, *Mycosphaerella* (*Cercospora*) *gibsonii* (*pini-densiflora*)

Confirmed: 1

5 - Azalea lace bug, *Stephanitis pyrioides*

Confirmed: 5

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

Confirmed: 2

1 - Zonate leaf spot, *Monochaetia* sp./spp.

Confirmed: 1

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

Confirmed: 1

2 - Oak Lecanium, *Parthenolecanium quercifex*

Confirmed: 2

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

Confirmed: 1

8 - Wind damage, Abiotic disorder

Suspected: 8

1 - Potyvirus Group, Potyvirus Group

Confirmed: 1

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

Confirmed: 3

1 - Cercospora Leaf Blight, *Cercospora squalidula*

Confirmed: 1

3 - Rose brown canker, *Cryptosporella umbrina*

Confirmed: 3

1 - Brown Spot, *Mycosphaerella* (*Dothistroma*) *pini*

Confirmed: 1

3 - Dogwood anthracnose, *Discula destructiva*

Confirmed: 3

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

Confirmed: 3

1 - Azalea leafminer, *Caloptilia azaleella*

Confirmed: 1

1 - , Potexvirus Group

Suspected: 1

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

Confirmed: 1

Suspected: 1

1 - Cedar-hawthorn rust, *Gymnosporangium globosum*

Confirmed: 1

48 - Abnormal root development, Unidentified Agent

Confirmed: 1

Inconclusive: 1

Suspected: 46

5 - Nutritional pathology, Abiotic disorder

Suspected: 5

8 - , Identification Analysis

Confirmed: 4

Suspected: 4

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

Confirmed: 2

2 - Manganese toxicity, Abiotic disorder

Suspected: 2

1 - Stinkbug, *Thyanta punctiventris*

Confirmed: 1

9 - Bipolaris Leaf Spot, Cochliobolus setariae

Confirmed: 9

1 - Redbud leaffolder, Fascista cercerisella

Confirmed: 1

1 - Anthracnose fruit rot, Colletotrichum sp./spp.

Confirmed: 1

1 - Fusarium Dry Rot, Fusarium sp./spp.

Confirmed: 1

1 - Elm lace bug, Corythucha ulmi

Confirmed: 1

4 - Black Root Rot, Thielaviopsis (Chalara) basicola (elegans)

Confirmed: 4

4 - Bacterial canker, Mixed bacterial species

Confirmed: 4

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

Confirmed: 2

1 - Pine beetles, Family Scolytidae

Confirmed: 1

1 - Aerial blight, *Phytophthora nicotianae*

Confirmed: 1

1 - Rice stinkbug, *Tibraca limbativentris*

Confirmed: 1

1 - Leaf Spot, *Guignardia (Phyllosticta) bidwellii (ampelicida)*

Confirmed: 1

3 - Euonymus Anthracnose, *Gloeosporium frigidum*

Confirmed: 3

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

Confirmed: 1

2 - Root rot, Unidentified Agent

Suspected: 2

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

Confirmed: 1

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

Confirmed: 1

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

Confirmed: 3

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

Confirmed: 1

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

Confirmed: 6

3 - Windburn, Abiotic disorder

Confirmed: 2

Suspected: 1

1 - Nitrogen deficiency, Abiotic disorder

Suspected: 1

1 - Soybean sudden death syndrome, *Fusarium* *virguliforme*

Confirmed: 1

1 - , *Drechslera* *gigantea*

Confirmed: 1

11 - Adequate sample, Identification Analysis

Confirmed: 6

Suspected: 5

24 - Insect damage, Unidentified Insect

Confirmed: 22

Suspected: 2

1 - Rust, Unidentified Fungus

Inconclusive: 1

3 - Leaf Spot; Shothole, *Blumeriella* (*Coccomyces*) sp./spp.

Confirmed: 3

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

Confirmed: 1

11 - Bacterial Leaf Scorch (BLS), *Xylella fastidiosa* (BLS)

Confirmed: 9

Suspected: 2

1 - Leaf Blight; Stem Blight; Stem Canker, *Phoma exigua*

Confirmed: 1

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

Confirmed: 1

16 - Cucumber Mosaic, Cucumber Mosaic Virus (CMV)

Confirmed: 16

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

Confirmed: 1

130 - Australasian soybean rust, *Phakopsora pachyrhizi*

Not Detected: 130

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

Confirmed: 1

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

Confirmed: 2

Suspected: 1

1 - Bacterial blight, *Pseudomonas syringae syringae*

Not Detected: 1

1 - Unidentified insect, Unidentified Insect

Confirmed: 1

1 - Rose downy mildew, *Peronospora sparsa*

Confirmed: 1

2 - Verticillium wilt, *Verticillium dahliae*

Confirmed: 2

1 - Potato powdery scab, *Spongospora subterranea*

Confirmed: 1

3 - Rice stink bug, *Oebalus pugnax*

Confirmed: 3

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

Confirmed: 1

2 - Low pH; Nutrient imbalance, Abiotic disorder

Suspected: 2

1 - White drupelet disorder, Abiotic Disorder

Confirmed: 1

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

Suspected: 1

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

Confirmed: 1

1 - , *Diaporthe* (*Phomopsis*) *vaccinii*

Confirmed: 1

2 - Clearwing borers, Family Sesiidae

Confirmed: 2

2 - Rust mites, Order acari

Confirmed: 2

3 - Eriophyid mites, Family Eriophyidae

Confirmed: 3

1 - , *Synanthedon* sp./spp.

Confirmed: 1

1 - Fall webworm, *Hyphantria cunea*

Confirmed: 1

2 - Sooty mold, Unidentified Fungus

Confirmed: 2

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

Confirmed: 1

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

Confirmed: 3

1 - Mechanical damage, Abiotic disorder

Suspected: 1

37 - Environmental stress; Problem, Abiotic disorder

Confirmed: 1

Inconclusive: 1

Suspected: 35

1 - Unidentified fungus, Unidentified fungus

Suspected: 1

1 - , *Cercospora rosicola*

Confirmed: 1

7 - Excessive water, Abiotic disorder

Suspected: 7

1 - Plant bugs, Family Miridae

Confirmed: 1

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

Confirmed: 11

2 - Bronze birch borer, *Agrilus anxius*

Suspected: 2

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

Confirmed: 6

6 - Blossom end rot, Abiotic disorder

Confirmed: 6

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

Confirmed: 1

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

Confirmed: 1

1 - Dense thatch layer, Abiotic disorder

Confirmed: 1

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

Confirmed: 2

Inconclusive: 1

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

Not Detected: 1

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

Confirmed: 5

18 - Bacterial canker, *Clavibacter michiganensis michiganensis*

Confirmed: 17

Suspected: 1

1 - Bacterial wilt, *Ralstonia solanacearum*

Confirmed: 1

1 - Bacterial Blight, *Xanthomonas oryzae*

Confirmed: 1

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

Confirmed: 1

3 - Cultural/environmental problem, Abiotic disorder

Suspected: 3

2 - Bacterial leaf spot, *Xanthomonas campestris zinniae*

Confirmed: 2

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

Confirmed: 5

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

Confirmed: 2

Suspected: 5

2 - Bacterial stem rot, *Erwinia carotovora carotovora*

Confirmed: 2

7 - Southern Blight, *Sclerotinia sclerotiorum*

Confirmed: 6

Suspected: 1

2 - Anthracnose; *Colletotrichum* leaf spot, *Colletotrichum* sp./spp.

Confirmed: 2

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

Suspected: 1

3 - Lichens, Lichenes

Confirmed: 3

5 - Chinch bug complex, *Blissus* sp./spp.

Confirmed: 5

39 - Herbicide drift, Abiotic disorder

Confirmed: 3

Suspected: 36

1 - Rice leaf smut, *Entyloma oryzae*

Confirmed: 1

2 - Hackberry buttongall maker, *Pachypsylla umbilicus*

Confirmed: 2

1 - Soybean stem borer, *Dectes texanus*

Confirmed: 1

3 - Barley Yellow Dwarf Strain 2, Barley Yellow Dwarf Strain 2 (BYDV-PAV)

Confirmed: 3

33 - Sunscald, Abiotic disorder

Confirmed: 9

Suspected: 24

1 - Leaf Mold, *Fulvia fulva*

Confirmed: 1

1 - Solitary oak leafminer, *Cameraria hamadryadella*

Confirmed: 1

2 - Scab, *Cladosporium carpophilum*

Confirmed: 2

7 - Stink bugs, Family Pentatomidae

Confirmed: 7

1 - Leaf blotch, *Gnomonia* sp./spp.

Confirmed: 1

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

Confirmed: 3

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

Confirmed: 1

1 - Squash Mosaic, Squash Mosaic Virus (SQMV)

Confirmed: 1

2 - Water damage, Abiotic disorder

Suspected: 2

4 - Phylloxerans, Family Phylloxeridae

Confirmed: 4

1 - Dieback/ stem rot, *Sclerotinia sclerotiorum*

Confirmed: 1

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

Confirmed: 2

1 - Graphiola leaf spot, *Graphiola phoenicis*

Confirmed: 1

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

Confirmed: 5

1 - Unknown, General

Suspected: 1

3 - Normal Plant Growth, Identification Analysis

Confirmed: 3

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

Confirmed: 1

7 - Watermelon Mosaic, Watermelon Mosaic Virus (WMV)

Confirmed: 6

Not Detected: 1

1 - Daylily aphid, *Myzus hemerocallis*

Confirmed: 1

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

Confirmed: 3

1 - Kabatina twig blight, *Kabatina thujae*

Confirmed: 1

1 - Plum Curculio, *Conotrachelus nenuphar*

Confirmed: 1

1 - Lesser cornstalk borer (LCB), *Elasmopalpus lignosellus*

Confirmed: 1

1 - Rhizoctonia Bud Rot, Thanatephorus (Rhizoctonia) cucumeris (solani)

Confirmed: 1

3 - Entomosporium leaf spot, Entomosporium sp./spp.

Confirmed: 3

40 - High temperature damage, Abiotic disorder

Confirmed: 2

Suspected: 38

3 - Charcoal rot, Macrophomina sp./spp.

Confirmed: 3

1 - Lance nematodes, Hoplolaimus sp./spp.

Confirmed: 1

2 - Cucurbit bacterial wilt, Erwinia tracheiphila

Confirmed: 2

5 - Squash vine borer, Melittia cucurbitae

Confirmed: 4

Suspected: 1

3 - White grubs (Scarab beetles), Family Scarabaeidae

Confirmed: 3

35 - Pythium blight; Cottony blight, Pythium sp./spp.

Confirmed: 33

Suspected: 2

1 - Iris borer, *Macronoctua onusta*

Confirmed: 1

2 - Phosphorus deficiency, Abiotic disorder

Suspected: 2

1 - Plum pockets, *Taphrina communis*

Confirmed: 1

6 - Bacterial canker, *Pseudomonas syringae*

Confirmed: 4

Suspected: 2

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

Confirmed: 5

1 - Poor growing conditions, Abiotic disorder

Confirmed: 1

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

Confirmed: 10

Suspected: 1

1 - Squash bug, *Anasa tristis*

Confirmed: 1

4 - Curvularia blight; Leaf spot, Curvularia sp./spp.

Confirmed: 4

2 - Flower thrips, Frankliniella tritici

Suspected: 2

2 - Phytophthora fruit rot, Phytophthora cactorum

Confirmed: 2

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

Confirmed: 4

2 - Bacterial wetwood; Slime flux, Various Pathogens

Confirmed: 1

Suspected: 1

2 - Watermelon Fruit Blotch, Acidovorax avenae citrulli

Confirmed: 1

Not Detected: 1

1 - Bacterial leaf spot, Pseudomonas cichorii

Confirmed: 1

1 - Black spot, Alternaria brassicae

Confirmed: 1

8 - , Abiotic disorder

Confirmed: 2

Suspected: 6

14 - Chemical injury, Abiotic disorder

Confirmed: 2

Suspected: 12

2 - Herbicide carryover, Abiotic disorder

Confirmed: 1

Suspected: 1

1 - Maple bladder gall mite, *Vasates quadripedes*

Confirmed: 1

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

Confirmed: 37

1 - Hydrangea Bacterial Blight, *Ralstonia* (*Pseudomonas*) *solanacearum*

Confirmed: 1

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

Confirmed: 5

2 - Botrytis canker, *Botrytis* sp./spp.

Confirmed: 2

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

Confirmed: 2

3 - Physiological responses, Abiotic disorder

Suspected: 3

1 - Punky rot, *Trichoderma* sp./spp.

Confirmed: 1

1 - Oak leaf-tier, *Croesia semipurpurana*

Suspected: 1

2 - Burls; Adventitious growth, Abiotic disorder

Confirmed: 2

1 - Mummy berry, *Monilinia vaccinii-corymbosi*

Confirmed: 1

1 - Springtails, Order collembola

Confirmed: 1

1 - Grape root borer (GRB), *Vitacea polistiformes*

Suspected: 1

24 - Fire blight, *Erwinia amylovora*

Confirmed: 24

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

Confirmed: 5

1 - Magnolia dieback, *Shearia fusa*

Confirmed: 1

4 - Pecan Phylloxera, *Phylloxera devastatrix*

Confirmed: 4

1 - Watermelon Fusarium wilt, *Fusarium oxysporum* f.sp. *niveum*

Suspected: 1

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

Confirmed: 2

Suspected: 5

3 - Peach bacterial gummosis, *Pseudomonas syringae*

Confirmed: 2

Suspected: 1

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

Confirmed: 2

1 - Yellow tuft, *Sclerophthora* (*Phytophthora*) *macrospora*

Confirmed: 1

2 - Southern stem rot, *Sclerotium rolfsii*

Confirmed: 2

1 - Cedar and cypress bark beetle, *Phloeosinus* sp./spp.

Suspected: 1

2 - Hail damage, Abiotic disorder

Suspected: 2

1 - Cercospora stem blight, *Cercospora* sp./spp.

Confirmed: 1

2 - , Complex of Biotic; Abiotic Factors

Suspected: 2

1 - Cotton aphid; Melon aphid, *Aphis gossypii*

Confirmed: 1

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

Confirmed: 2

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

Confirmed: 2

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

Confirmed: 2

1 - Stem canker, *Phytophthora* sp./spp.

Confirmed: 1

3 - Slime Mold, Class myxomycetes; myxomycota

Confirmed: 3

1 - Jelly fungus, *Tremella* sp./spp.

Confirmed: 1

1 - Holly scale, *Dynaspidiotus britannicus*

Confirmed: 1

1 - Lantana lace bug, *Teleonemia scrupulosa*

Confirmed: 1

3 - Downy mildews; Water molds, Oomycetes

Confirmed: 2

Suspected: 1

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

Confirmed: 7

Suspected: 1

1 - Flower smut, *Ustilago cynodontis*

Confirmed: 1

1 - Midges, Family Chironomidae

Confirmed: 1

2 - Straighthead in rice, Unidentified Agent

Confirmed: 1

Suspected: 1

3 - Peach leaf curl, *Taphrina deformans*

Confirmed: 3

5 - Bacterial leaf streak, *Xanthomonas* sp./spp.

Confirmed: 5

1 - Leaf spot, *Xanthomonas campestris* pv. *cucurbitae*

Confirmed: 1

1 - May beetles, Family Scarabaeidae

Suspected: 1

6 - Nutrient imbalance, Abiotic disorder

Confirmed: 2

Suspected: 4

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

Confirmed: 1

48 - Herbicide injury; Exposure, Abiotic disorder

Confirmed: 5

Suspected: 43

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

Confirmed: 3

Suspected: 1

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

Confirmed: 1