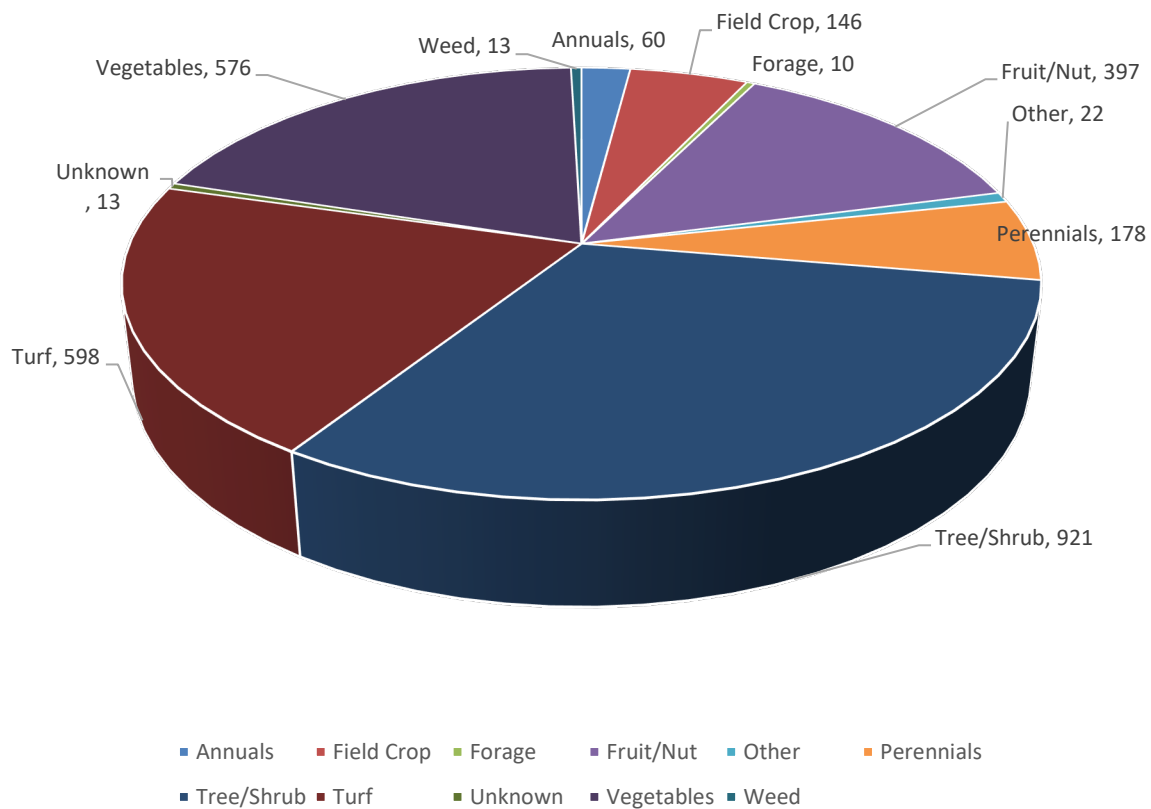


Plant Health Clinic 2013 Summary Report

The Plant Health Clinic has received 2934 plant samples in 2013. Numbers were 17.6% below the previous year, due to a decrease in turf samples. Turf samples had spiked to an all-time high in 2012 due to some training classes given by Extension to professional turf people. The largest number of samples in 2013 was for the category Trees/shrubs (31.3%), followed by Turf (20.4%), Vegetables (19.7%), Fruit/Nut (13.5%), Perennials (6.1%), Field Crops (5.1%), Annuals (2.0%), Other (0.8%), Weed (0.4%), Unknown (0.4%), Forage (0.3%). 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, 2013-January 1, 2014



| Plant Health Samples by Commodity | Number of Samples |
|--|--------------------------|
| Annuals | 60 |
| Field Crop | 146 |
| Forage | 10 |
| Fruit/Nut | 397 |
| Other | 22 |
| Perennials | 178 |
| Tree/Shrub | 921 |
| Turf | 598 |
| Unknown | 13 |
| Vegetables | 576 |
| Weed | 13 |
| Total | 2934 |

| District | Plant Health Samples Submitted |
|---------------------|---------------------------------------|
| Out of State | 228 |
| Delta | 740 |
| Ouachita | 773 |
| Ozark | 1193 |
| Total | 2934 |

Month Plant Health Samples Submitted

| | |
|----------------|-----------|
| January | 28 |
| Week 1 | 4 |
| Week 2 | 6 |
| Week 3 | 9 |
| Week 4 | 4 |
| Week 5 | 5 |

| | |
|------------------|------------|
| February | 42 |
| Week 5 | 1 |
| Week 6 | 11 |
| Week 7 | 13 |
| Week 8 | 8 |
| Week 9 | 9 |
| March | 74 |
| Week 10 | 15 |
| Week 11 | 14 |
| Week 12 | 21 |
| Week 13 | 21 |
| Week 9 | 3 |
| April | 312 |
| Week 14 | 21 |
| Week 15 | 31 |
| Week 16 | 102 |
| Week 17 | 78 |
| Week 18 | 80 |
| May | 424 |
| Week 18 | 40 |
| Week 19 | 81 |
| Week 20 | 92 |
| Week 21 | 132 |
| Week 22 | 79 |
| June | 465 |
| Week 22 | 1 |
| Week 23 | 135 |
| Week 24 | 103 |
| Week 25 | 108 |
| Week 26 | 118 |
| July | 474 |
| Week 27 | 102 |
| Week 28 | 99 |
| Week 29 | 108 |
| Week 30 | 86 |
| Week 31 | 79 |
| August | 463 |
| Week 31 | 12 |
| Week 32 | 92 |
| Week 33 | 81 |
| Week 34 | 134 |
| Week 35 | 144 |
| September | 240 |
| Week 36 | 73 |
| Week 37 | 25 |
| Week 38 | 73 |

| | |
|-----------------|------------|
| Week 39 | 58 |
| Week 40 | 11 |
| October | 326 |
| Week 40 | 43 |
| Week 41 | 127 |
| Week 42 | 74 |
| Week 43 | 49 |
| Week 44 | 33 |
| November | 69 |
| Week 44 | 2 |
| Week 45 | 32 |
| Week 46 | 22 |
| Week 47 | 10 |
| Week 48 | 3 |
| December | 17 |
| Week 49 | 13 |
| Week 50 | 1 |
| Week 51 | 3 |

Plant Health Total 2934

| County | Plant Health Samples Submitted | County | Plant Health Samples Submitted |
|---------------|---------------------------------------|---------------|---------------------------------------|
| Arkansas | 51 | Ashley | 9 |
| Baxter | 76 | Benton | 15 |
| Boone | 67 | Bradley | 21 |
| Carroll | 43 | Chicot | 3 |
| Clark | 55 | Clay | 30 |
| Cleburne | 35 | Columbia | 26 |
| Conway | 2 | Craighead | 141 |
| Crawford | 18 | Crittenden | 10 |
| Cross | 11 | Desha | 3 |
| Drew | 1 | Faulkner | 159 |
| Franklin | 37 | Fulton | 6 |
| Garland | 273 | Grant | 2 |
| Greene | 11 | Hempstead | 23 |
| Howard | 4 | Independence | 4 |
| Izard | 11 | Jackson | 23 |
| Jefferson | 9 | Johnson | 17 |
| Lafayette | 7 | Lee | 5 |
| Lawrence | 17 | Lincoln | 8 |
| Logan | 21 | Lonoke | 85 |
| Marion | 25 | Miller | 3 |
| Mississippi | 11 | Monroe | 6 |
| Montgomery | 33 | Nevada | 7 |

| County | Plant Health Samples Submitted | County | Plant Health Samples Submitted |
|---------------------------|--------------------------------|-----------|--------------------------------|
| Newton | 11 | Ouachita | 13 |
| Out of State | 228 | Perry | 5 |
| Phillips | 19 | Pike | 4 |
| Polk | 10 | Poinsett | 22 |
| Pope | 202 | Prairie | 79 |
| Pulaski | 246 | Randolph | 1 |
| Saline | 52 | Sebastian | 57 |
| Sevier | 1 | Sharp | 8 |
| St. Francis | 63 | Stone | 2 |
| Union | 2 | Van Buren | 9 |
| Washington | 365 | White | 114 |
| Woodruff | 8 | Yell | 2 |
| Plant Health Total | | | 2934 |

Pests

3 - Juniper scale, *Carulaspis juniperi*

Confirmed: 3

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

Confirmed: 1

22 - Helminthosporium Leaf Spot, *Cochliobolus (Bipolaris) cynodontis*

Confirmed: 22

1 - Rodent damage, Abiotic disorder

Suspected: 1

2 - Black rot, *Xanthomonas campestris*

Confirmed: 2

1 - Cotton angular leaf spot, *Xanthomonas campestris* pv. *malvacearui*

Confirmed: 1

28 - Glyphosate injury, Abiotic disorder

Confirmed: 17

Suspected: 11

1 - Tiger beetle, *Tetracha* sp./spp.

Suspected: 1

- 1 - Powdery mildew, *Sphaerotheca pannosa*
Confirmed: 1
- 1 - , *Pseudonectria* (ana. *Volutella*) *pachysandricola* (*pachysandrae*)
Confirmed: 1
- 1 - Woolly oak aphid, *Diphyllaphis microtrema*
Suspected: 1
- 2 - , *Choanephora* sp./spp.
Confirmed: 1
Suspected: 1
- 4 - Anthracnose, *Colletotrichum orbiculare*
Confirmed: 4
- 17 - Phytophthora leaf spot, *Phytophthora* sp./spp.
Confirmed: 1
Not Detected: 16
- 1 - Sting nematodes, *Belonolaimus* sp./spp.
Confirmed: 1
- 1 - Phytophthora blight, *Phytophthora cinnamomi*
Confirmed: 1
- 12 - Scale insects, Order homoptera
Confirmed: 12
- 2 - Anthracnose, *Colletotrichum graminicola*
Confirmed: 2
- 3 - Southern Stem, Crown, Root, Seedl Blight, *Athelia* (*Sclerotium*) *rolfsii*
Confirmed: 1
Suspected: 2
- 2 - Graft failure, Abiotic disorder
Confirmed: 2
- 3 - Bacterial leaf blight, *Pseudomonas* sp./spp.
Confirmed: 3
- 1 - , *Gibberella* (*Fusarium*) *zeae* (*graminearum*)
Confirmed: 1

- 1 - Henbit, *Lamium amplexicaule*
Suspected: 1
- 1 - Yellow Patch, *Ceratobasidium (Rhizoctonia) cereale (cerealis)*
Confirmed: 1
- 2 - Greater peachtree borer (GPTB), *Synanthedon exitiosa*
Confirmed: 2
- 19 - Tomato bacterial speck, *Pseudomonas tomato*
Confirmed: 19
- 12 - Phytophthora canker, *Phytophthora sp./spp.*
Confirmed: 12
- 160 - Viruses, Viruses
Confirmed: 4
Not Detected: 143
Suspected: 13
- 1 - Azalea Leaf Spot, *Cercospora handelii*
Confirmed: 1
- 3 - Bacterial panicle blight, *Burkholderia sp./spp.*
Confirmed: 3
- 9 - Tomato Spotted Wilt, Tomato Spotted Wilt Virus (TSWV)
Confirmed: 9
- 2 - Pitch canker, *Gibberella (Fusarium) sp./spp.*
Confirmed: 1
Suspected: 1
- 1 - Mealybugs, Family Pseudococcidae
Confirmed: 1
- 4 - Gray Leaf Spot, *Magnaporthe (ana. Pyricularia) grisea*
Confirmed: 4
- 1 - Rhododendron borer, *Synanthedon rhododendri*
Confirmed: 1
- 1 - Root problems, Abiotic disorder
Suspected: 1
- 2 - Poor pollination, Abiotic disorder

- Confirmed: 2
- 1 - Maple disease, *Acrospeira mirabilis*
Suspected: 1
- 139 - Pythium root and/or crown rot, *Pythium* sp./spp.
Confirmed: 137
Suspected: 2
- 5 - Maple canker, *Stegonsporium* sp./spp.
Confirmed: 5
- 1 - Anthracnose, *Discula quercina*
Confirmed: 1
- 71 - Insufficient sample, Identification Analysis
Confirmed: 48
Inconclusive: 23
- 2 - Gouty oak gall wasp, *Callirhytis quercus*
Confirmed: 2
- 11 - Drought stress damage, Abiotic disorder
Confirmed: 2
Suspected: 9
- 1 - Southern potato wireworm, *Conoderus falli*
Confirmed: 1
- 2 - Alternaria leaf spot, *Alternaria* sp./spp.
Confirmed: 2
- 2 - Corn Stalk; Ear Rot, *Gibberella (Fusarium) zeae (graminearum)*
Confirmed: 2
- 26 - 2-4-d Injury, Abiotic disorder
Confirmed: 12
Suspected: 14
- 8 - Maple Anthracnose, *Gloeosporium apocryptum*
Confirmed: 8
- 2 - Anthracnose, *Elsinoe* sp./spp.
Confirmed: 2
- 2 - , Saprophytic Fungi and Yeasts

- Confirmed: 2
- 3 - , Abiotic disorder
Confirmed: 1
Suspected: 2
- 4 - Botrytis blight, *Botrytis* sp./spp.
Confirmed: 4
- 2 - Bitter rot, *Colletotrichum* sp./spp.
Confirmed: 2
- 10 - Winter injury, Abiotic disorder
Confirmed: 1
Suspected: 9
- 1 - Orange rust, *Gymnoconia nitens*
Confirmed: 1
- 1 - Potato common scab, *Streptomyces scabies*
Confirmed: 1
- 9 - Charcoal rot, *Macrophomina phaseolina*
Confirmed: 9
- 1 - Cercospora leaf spot, *Cercospora* sp./spp.
Confirmed: 1
- 6 - Whiteflies, Family Aleyrodidae
Confirmed: 6
- 1 - Yellow-bellied sapsucker, *Sphyrapicus varius*
Confirmed: 1
- 1 - Septoria leaf spot, *Septoria lycopersici*
Confirmed: 1
- 1 - Sweetpotato scurf, *Monilochaetes infuscans*
Suspected: 1
- 1 - Rhizoctonia root rot, *Rhizoctonia* sp./spp.
Confirmed: 1
- 1 - Rhizoctonia damping off, *Rhizoctonia* sp./spp.
Confirmed: 1

- 1 - Maple decline, Complex of Biotic; Abiotic Factors
Suspected: 1
- 5 - , *Cercospora handelii*
Confirmed: 5
- 1 - , *Elsinoe* (ana. *Sphaceloma*) *rosarum*
Confirmed: 1
- 10 - Soybean downy mildew, *Peronospora manshurica*
Confirmed: 10
- 10 - Bacterial leaf spot, *Xanthomonas campestris pruni*
Confirmed: 8
Suspected: 2
- 3 - Bacterial leaf spot, *Xanthomonas* sp./spp.
Confirmed: 3
- 3 - Anthracnose, *Glomerella* (*Colletotrichum*) *cingulata* (*gloeosporioides*)
Confirmed: 3
- 7 - Rust; Leaf rust, *Puccinia zoysiae*
Confirmed: 7
- 3 - Corn (Common) smut, *Ustilago maydis*
Confirmed: 3
- 1 - Lace bugs, Family Tingidae
Confirmed: 1
- 4 - Bacterial soft rot, *Erwinia* sp./spp.
Confirmed: 4
- 2 - Needle dieback, *Phyllosticta* sp./spp.
Confirmed: 2
- 1 - Redheaded ash borer, *Neoclytus acuminatus*
Suspected: 1
- 37 - Tobacco Mosaic, Tobacco Mosaic Virus (TMV)
Confirmed: 37
- 1 - Bermudagrass scale, *Odonaspis ruthae*
Confirmed: 1

- 1 - Baling, Abiotic disorder
Suspected: 1
- 1 - Woolly oak aphid, *Stegophylla essigi*
Confirmed: 1
- 1 - Cylindrocladium Blight, *Cylindrocladium* sp./spp.
Confirmed: 1
- 52 - No pathogen found, Identification Analysis
Confirmed: 37
Inconclusive: 15
- 1 - Aerial stem blight, *Phytophthora* sp./spp.
Confirmed: 1
- 6 - Bacterial canker, *Pseudomonas syringae syringae*
Confirmed: 5
Suspected: 1
- 8 - Mites, Order Acari
Confirmed: 8
- 1 - Heuchera rust, *Puccinia heucherae*
Confirmed: 1
- 20 - Chemical; Environmental injury, Abiotic disorder
Confirmed: 2
Suspected: 18
- 3 - Rhizosphaera needle cast, *Rhizosphaera* sp./spp.
Confirmed: 3
- 13 - Oedema; Edema, Abiotic disorder
Confirmed: 13
- 2 - Bacterial leaf spot, *Pseudomonas syringae*
Confirmed: 2
- 2 - Cucurbit yellow vine disease, *Serratia marcescens*
Confirmed: 2
- 2 - Azalea leaf scorch, *Septoria azalea*
Confirmed: 2
- 1 - Common corn rust, *Puccinia sorghi*

- Confirmed: 1
- 1 - Downy Mildew, *Hyaloperonospora* (*Peronospora*) *parasitica*
Confirmed: 1
- 1 - Azalea anthracnose, *Colletotrichum azaleae*
Confirmed: 1
- 4 - Grapevine Pierce's Disease (PD), *Xylella fastidiosa* (PD)
Confirmed: 4
- 3 - Seiridium Canker, *Lepteutypa* (*Seiridium*) *cupressi* (unicorne)
Confirmed: 2
Suspected: 1
- 1 - Spinach leaf spot, *Davidiella* (*Cladosporium*) *variabile*
Confirmed: 1
- 1 - Cerambycid beetles, Family *Cerambycidae*
Suspected: 1
- 1 - , *Botrytis* sp./spp.
Confirmed: 1
- 12 - Freeze; Frost; Cold damage, Abiotic disorder
Confirmed: 1
Suspected: 11
- 5 - Downy mildew, *Plasmopara obducens*
Confirmed: 5
- 2 - Cucumber Scab; Gummosis, *Cladosporium cucumerinum*
Suspected: 2
- 1 - , *Phyllosticta* sp./spp.
Confirmed: 1
- 2 - Dieback; Canker; Twig blight, *Botryosphaeria* sp./spp.
Confirmed: 2
- 2 - Wire Stem; Belly Rot, *Thanatephorus* (*Rhizoctonia*) *cucumeris* (*solani*)
Confirmed: 1
Suspected: 1
- 7 - Canker, *Hypoxyton* sp./spp.
Confirmed: 1

- Suspected: 6
- 1 - Oak lace bug, *Corythucha arcuata*
Confirmed: 1
 - 1 - Bacterial Gall, *Pseudomonas syringae savastanoi*
Confirmed: 1
 - 9 - Natural senescence, Abiotic disorder
Confirmed: 6
Suspected: 3
 - 1 - Leafcurl ash aphid, *Prociphilus fraxinifolii*
Confirmed: 1
 - 2 - *Euonymus* powdery mildew, *Erysiphe (Oidium) euonymi-japonici*
Confirmed: 2
 - 3 - High pH damage, Abiotic disorder
Suspected: 3
 - 1 - Stripe rust; Yellow rust, *Puccinia striiformis* var. *striiformis*
Not Detected: 1
 - 3 - Spot anthracnose, *Elsinoe veneta*
Confirmed: 2
Suspected: 1
 - 1 - Rose Mosaic, Prunus Necrotic Ringspot Virus (PNRSV)
Suspected: 1
 - 9 - Cypress canker, *Seiridium cardinale*
Confirmed: 9
 - 6 - Algae, General
Confirmed: 6
 - 2 - Leaf Blight and Spot; Shothole, *Blumeriella (Coccomyces) jaapii (hiemalis)*
Confirmed: 1
Suspected: 1
 - 2 - Grape downy mildew, *Plasmopara viticola*
Confirmed: 1
Suspected: 1
 - 1 - Early blight; Leaf spot, *Alternaria solani*

- Suspected: 1
- 3 - Flea beetles, Subfamily Alticinae
Confirmed: 3
- 2 - Rice Blast, Magnaporthe grisea
Confirmed: 2
- 11 - Pestalotia dieback, Pestalotia sp./spp.
Confirmed: 11
- 308 - Large Patch, Thanatephorus (Rhizoctonia) cucumeris (solani)
Confirmed: 307
Suspected: 1
- 7 - Thrips, Thrips sp./spp.
Confirmed: 7
- 1 - , Hypoxylon sp./spp.
Suspected: 1
- 1 - Hickory leaf stem gall aphid, Phylloxera caryaecaulis
Confirmed: 1
- 1 - Potato blackheart, Abiotic disorder
Suspected: 1
- 29 - Hosta Virus X, Hosta Virus X (HVX)
Confirmed: 2
Not Detected: 27
- 2 - , Tobacco Ringspot Virus (TRSV)
Confirmed: 2
- 12 - Brown patch, Rhizoctonia sp./spp.
Confirmed: 12
- 1 - Insufficient light, Abiotic disorder
Suspected: 1
- 1 - Hydrangea Leaf Spot, Phoma (Phyllosticta) exigua (hydrangeae)
Confirmed: 1
- 1 - Soybean stem canker, Diaporthe phaseolorum
Confirmed: 1

- 44 - Take-all, *Gaeumannomyces* sp./spp.
Confirmed: 44
- 46 - Spider mites, Family Tetranychidae
Confirmed: 42
Suspected: 4
- 3 - Pythium stalk rot, *Pythium aphanidermatum*
Confirmed: 3
- 1 - Nematode damage, Unidentified Nematode
Suspected: 1
- 1 - Bean brown spot blight, *Pseudomonas syringae*
Confirmed: 1
- 1 - Baldcypress rust mite, *Epitrimerus taxodii*
Confirmed: 1
- 1 - Arborvitae leaf blight, *Didymascella thujina*
Confirmed: 1
- 6 - Aphids (Plant lice), Family Aphididae
Confirmed: 6
- 4 - Arborvitae leafminer, *Argyresthia thuiella*
Confirmed: 4
- 2 - , *Pythium* sp./spp.
Confirmed: 2
- 1 - , Unidentified Canker
Suspected: 1
- 1 - , *Ceratocystis fimbriata*
Confirmed: 1
- 1 - Clematis wilt; Leaf spot, *Phoma clematidina*
Confirmed: 1
- 4 - , *Cercospora hydrangeae*
Confirmed: 4
- 1 - Leaf spot; Blight, *Myrothecium* sp./spp.
Confirmed: 1

- 4 - Soybean Phytophthora root and stem rot, *Phytophthora sojae*
Confirmed: 4
- 1 - Grape leaffolder, *Desmia funeralis*
Confirmed: 1
- 1 - Bacterial blight, *Xanthomonas* sp./spp.
Confirmed: 1
- 1 - Wireworms (Click beetles), Family Elateridae
Confirmed: 1
- 6 - Bacterial leaf spot, Unidentified Bacteria
Confirmed: 6
- 1 - Rhizoctonia stem rot, *Rhizoctonia* sp./spp.
Confirmed: 1
- 1 - Sulfur deficiency, Abiotic disorder
Suspected: 1
- 1 - Angular leaf spot, *Xanthomonas* sp./spp.
Confirmed: 1
- 30 - Rose Rosette Disease, Rose rosette-associated virus (RRaV)
Confirmed: 27
Suspected: 3
- 9 - Hypoxylon canker, *Entoleuca (Hypoxylon) mammata (blakei)*
Confirmed: 2
Suspected: 7
- 9 - Nutritional deficiency, Abiotic disorder
Suspected: 9
- 16 - Pecan; Hickory Scab, *Cladosporium caryigenum*
Confirmed: 15
Suspected: 1
- 34 - Cicada egg-laying injury, Unidentified Cicada
Confirmed: 34
- 3 - , Barley Yellow Dwarf Virus (BYDV-MAV)
Confirmed: 3
- 1 - Decline; Dieback, Abiotic disorder

- Suspected: 1
- 1 - Armyworms; General, Family Noctuidae
Confirmed: 1
- 1 - Bipolaris spot blotch, Bipolaris sp./spp.
Confirmed: 1
- 3 - Peony Leaf Blotch, Cladosporium paeoniae
Confirmed: 3
- 3 - Pear scab, Venturia (Fusicladium) pirina (pyrorum)
Confirmed: 3
- 196 - Phytophthora Crown, Root and/or Stem Rot, Phytophthora sp./spp.
Confirmed: 103
Not Detected: 64
Suspected: 29
- 4 - Mallow rust; Hollyhock rust, Puccinia malvacearum
Confirmed: 4
- 1 - Dagger nematodes, Xiphinema sp./spp.
Confirmed: 1
- 10 - Oak leaf blister, Taphrina caerulescens
Confirmed: 9
Suspected: 1
- 2 - Tobacco Ringspot, Tobacco Ringspot Virus (TRSV)
Confirmed: 2
- 5 - Rust, Gymnosporangium sp./spp.
Confirmed: 5
- 1 - Pythium fruit rot; Cottony leak, Pythium sp./spp.
Confirmed: 1
- 1 - Birch Leaf Spot, Gloeosporium betulae-papyriferae
Confirmed: 1
- 2 - Dollar spot, Sclerotinia homeocarpa
Confirmed: 1
Suspected: 1
- 1 - Boron deficiency, Abiotic disorder

- Suspected: 1
- 1 - Angular Leaf Spot, *Mycosphaerella angulata*
Confirmed: 1
 - 8 - Coryneum blight (Shot hole), *Wilsonomyces (Stigmina) carpophilus (carpophila)*
Confirmed: 8
 - 1 - , *Cercospora fragariae*
Confirmed: 1
 - 9 - Scorch, Abiotic disorder
Confirmed: 5
Suspected: 4
 - 4 - , Potato Virus Y (PVY)
Confirmed: 4
 - 1 - Sweetpotato soilrot, *Streptomyces ipomoeae*
Suspected: 1
 - 1 - Coniothyrium leaf spot, *Coniothyrium sp./spp.*
Confirmed: 1
 - 8 - Root Knot Nematodes, *Meloidogyne sp./spp.*
Confirmed: 8
 - 2 - Leaf spot, *Mycocleptodiscus indicus*
Confirmed: 2
 - 2 - Canker, Unidentified fungus
Suspected: 2
 - 5 - Willow Black Canker, *Glomerella (Physalospora) miyabeana*
Confirmed: 5
 - 1 - Mite damage, Unidentified Mite
Confirmed: 1
 - 1 - Ascochyta blight, *Ascochyta sp./spp.*
Confirmed: 1
 - 1 - , Unidentified Insect
Confirmed: 1
 - 1 - Soil compaction, Abiotic disorder

- Suspected: 1
- 2 - , Wheat Soil-borne Mosaic Virus (WSBMV)
Confirmed: 2
- 19 - Pythium damping off, Pythium sp./spp.
Confirmed: 18
Suspected: 1
- 7 - Azalea lace bug, Stephanitis pyrioides
Confirmed: 7
- 1 - Algal leaf spot, Cephaleuros sp./spp.
Confirmed: 1
- 8 - Black spot (Rose), Diplocarpon (Marssonina) rosae
Confirmed: 6
Not Detected: 1
Suspected: 1
- 2 - Oak skeletonizer, Carcina quercana
Confirmed: 1
Suspected: 1
- 3 - Wind damage, Abiotic disorder
Suspected: 3
- 2 - Asian fruit moth, Grapholita inopinata
Confirmed: 2
- 5 - Soybean bacterial pustule, Xanthomonas campestris pv. glycines
Confirmed: 5
- 4 - Rose brown canker, Cryptosporella umbrina
Confirmed: 4
- 2 - Dutch elm disease, Ophiostoma sp./spp.
Suspected: 2
- 1 - Brown Spot, Mycosphaerella (Dothistroma) pini
Confirmed: 1
- 2 - Dogwood anthracnose, Discula destructiva
Confirmed: 1
Suspected: 1

- 1 - Bacterial speck, *Pseudomonas syringae* PV. tomato
Suspected: 1
- 1 - Ripe rot, *Colletotrichum* sp./spp.
Confirmed: 1
- 2 - Fertilizer injury, Abiotic disorder
Suspected: 2
- 3 - Mulberry leaf spot, *Cercospora mori*
Confirmed: 3
- 2 - White spot, *Cercospora* sp./spp.
Confirmed: 2
- 8 - , Identification Analysis
Confirmed: 3
Inconclusive: 1
Suspected: 4
- 33 - Abnormal root development, Unidentified Agent
Confirmed: 1
Inconclusive: 1
Suspected: 31
- 2 - Buprestid bark beetles, Family Buprestidae
Confirmed: 2
- 2 - Nutritional pathology, Abiotic disorder
Suspected: 2
- 40 - Oak Twig Canker and Dieback, *Botryosphaeria* (ana. *Dothiorella*) *quercuum*
(*quercina*)
Confirmed: 39
Suspected: 1
- 4 - *Neocosmospora* root or fruit rot, *Neocosmospora vasinfecta*
Confirmed: 4
- 1 - Manganese toxicity, Abiotic disorder
Suspected: 1
- 1 - Canker, *Pyrenochaeta* sp./spp.
Confirmed: 1
- 1 - Leaf Spot, *Actinopelte* sp./spp.

- Confirmed: 1
- 1 - Dothistroma needle blight, *Dothistroma* sp./spp.
Confirmed: 1
- 1 - Redbud leaffolder, *Fascista cercerisella*
Confirmed: 1
- 2 - Canker; Stem Blight; Dieback, *Botryosphaeria dothidea*
Confirmed: 2
- 3 - Fungal leaf spot, *Cercospora hydrangeae*
Confirmed: 3
- 4 - , Viruses
Confirmed: 1
Not Detected: 3
- 5 - *Phyllosticta* leaf spot, *Phyllosticta* sp./spp.
Confirmed: 5
- 4 - Black Root Rot, *Thielaviopsis (Chalara) basicola (elegans)*
Confirmed: 4
- 5 - Jumping Bullet Gall Wasp, *Neuroterus saltatorius*
Confirmed: 5
- 1 - Rose shoot borer, *Notocelia rosacolana*
Confirmed: 1
- 1 - Septoria Leaf Spot, *Mycosphaerella (ana. Septoria) graminicola (tritici)*
Confirmed: 1
- 2 - Pine beetles, Family Scolytidae
Confirmed: 1
Suspected: 1
- 1 - Reniforme Nematode, *Rotylenchulus* sp./spp.
Suspected: 1
- 1 - Euonymus Anthracnose, *Gloeosporium frigidum*
Confirmed: 1
- 1 - Wood rot fungus, *Phellinus* sp./spp.
Suspected: 1

- 1 - Nigrospora blight, Nigrospora sp./spp.
Confirmed: 1
- 2 - , Phytophthora sp./spp.
Not Detected: 2
- 11 - Root rot, Unidentified Agent
Confirmed: 1
Suspected: 10
- 1 - Walnut Anthracnose, Gnomonia (Marssonina) leptostyla (juglandis)
Suspected: 1
- 1 - Rice narrow brown leaf spot, Sphaerulina oryzina
Confirmed: 1
- 1 - Groundpearls, Margarodes sp./spp.
Confirmed: 1
- 1 - Pith necrosis, Pseudomonas corrugata
Confirmed: 1
- 1 - Waterleaf family, Family Hydrophyllaceae
Confirmed: 1
- 1 - Late blight, Phytophthora infestans
Confirmed: 1
- 1 - Sorghum midge, Contarinia sorghicola
Confirmed: 1
- 1 - Ash Anthracnose, Gnomoniella fraxini
Confirmed: 1
- 1 - Powdery mildew, Erysiphe sp./spp.
Confirmed: 1
- 79 - Take all, Gaeumannomyces graminis var. avenae
Confirmed: 79
- 1 - Windburn, Abiotic disorder
Suspected: 1
- 1 - Nitrogen deficiency, Abiotic disorder
Suspected: 1

- 1 - Diplodia ear rot, *Stenocarpella (Diplodia) maydis*
Confirmed: 1
- 4 - Pecan leaf scorch mite, *Eotetranychus hicoriae*
Confirmed: 4
- 1 - , *Phomopsis juniperovora*
Confirmed: 1
- 4 - Soybean sudden death syndrome, *Fusarium virguliforme*
Confirmed: 2
Suspected: 2
- 2 - Adequate sample, Identification Analysis
Confirmed: 1
Suspected: 1
- 22 - Insect damage, Unidentified Insect
Confirmed: 19
Suspected: 3
- 2 - Fern scale, *Pinnaspis aspidistrae*
Confirmed: 2
- 3 - Arborvitae needle blight, *Phyllosticta thujae*
Confirmed: 3
- 2 - Leaf Spot; Shothole, *Blumeriella (Coccomyces) sp./spp.*
Confirmed: 2
- 1 - Oak black leaf spot, *Micropeltis gravataensis*
Confirmed: 1
- 18 - Bacterial Leaf Scorch (BLS), *Xylella fastidiosa (BLS)*
Confirmed: 12
Not Detected: 1
Suspected: 5
- 1 - Leaf Blight; Stem Blight; Stem Canker, *Phoma exigua*
Confirmed: 1
- 1 - Woolly apple aphid, *Eriosoma lanigerum*
Suspected: 1
- 1 - Pecan bud moth, *Gretchena bolliana*
Confirmed: 1

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

70 - Cucumber Mosaic, Cucumber Mosaic Virus (CMV)
Confirmed: 70

2 - Onion thrips, *Thrips tabaci*
Confirmed: 2

1 - June beetles, Family Scarabaeidae
Suspected: 1

3 - Australasian soybean rust, *Phakopsora pachyrhizi*
Confirmed: 2
Not Detected: 1

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

3 - Bacterial blight, *Pseudomonas syringae syringae*
Confirmed: 3

2 - Rose downy mildew, *Peronospora sparsa*
Confirmed: 2

2 - Flatheaded appletree borer, *Chrysobothris femorata*
Confirmed: 1
Suspected: 1

2 - Gummy stem blight, *Didymella sp./spp.*
Confirmed: 1
Not Detected: 1

3 - White drupelet disorder, Abiotic Disorder
Confirmed: 3

1 - Zinc toxicity, Abiotic disorder
Confirmed: 1

1 - Low pH; Nutrient imbalance, Abiotic disorder
Suspected: 1

3 - Brown rot, *Monilia sp./spp.*
Confirmed: 3

- 3 - Clearwing borers, Family Sesiidae
Confirmed: 2
Suspected: 1

- 2 - Anthracnose, *Colletotrichum fragariae*
Confirmed: 2

- 1 - Wet rot; Fruit rot, *Choanephora cucurbitarum*
Suspected: 1

- 1 - Leaf blight; Leaf spot, *Botrytis* sp./spp.
Confirmed: 1

- 1 - Rust mites, Order acari
Confirmed: 1

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

- 18 - Environmental stress; Problem, Abiotic disorder
Confirmed: 2
Suspected: 16

- 1 - , *Cercospora rosicola*
Confirmed: 1

- 18 - Excessive water, Abiotic disorder
Confirmed: 2
Suspected: 16

- 1 - , *Stegophora* (*Gnomonia*) *ulmea*
Confirmed: 1

- 3 - Fuzzy oak gall wasp, *Andricus quercusflocci*
Confirmed: 3

- 2 - , *Sphaeropsis* (*Diplodia*) *sapinea* (*pineae*)
Confirmed: 2

- 10 - Boxwood *Volutella* blight; Canker, *Volutella buxi*
Confirmed: 9
Suspected: 1

- 9 - *Botryosphaeria* Canker; Dieback, *Botryosphaeria* (*Diplodia*) *stevensii* (*mutila*)
Confirmed: 6
Suspected: 3

- 8 - Blossom end rot, Abiotic disorder
Confirmed: 7
Suspected: 1

- 7 - Oak powdery mildew, Erysiphe (Oidium) alphitoides
Confirmed: 7

- 1 - Spurge, Euphorbia sp./spp.
Suspected: 1

- 3 - , Barley Yellow Dwarf Virus (BYDV-PAV)
Confirmed: 3

- 1 - Dense thatch layer, Abiotic disorder
Confirmed: 1

- 3 - Cedar-apple rust, Gymnosporangium juniperi-virginianae
Confirmed: 3

- 5 - , Environmental Stresses
Suspected: 5

- 10 - Bacterial canker, Clavibacter michiganensis michiganensis
Confirmed: 9
Suspected: 1

- 1 - Cucurbit angular leaf spot, Pseudomonas syringae pv. lachrymans
Confirmed: 1

- 1 - Damping-off, Phytophthora sp./spp.
Confirmed: 1

- 1 - Sorghum Aspergil. Head Blight, Aspergillus sp./spp.
Confirmed: 1

- 1 - Cultural/environmental problem, Abiotic disorder
Confirmed: 1

- 4 - Bacterial leaf spot, Pseudomonas sp./spp.
Confirmed: 2
Suspected: 2

- 2 - Bacterial wilt; Canker; Rot, Clavibacter michiganensis
Confirmed: 2

- 3 - Dogwood borer (DwB), *Synanthedon scitula*
Suspected: 3

- 2 - Grape Phylloxera, *Daktulosphaira vitifoliae*
Confirmed: 1
Suspected: 1

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

- 1 - , Insect Gall
Confirmed: 1

- 1 - Oriental fruit moth (OFM), *Grapholita molesta*
Confirmed: 1

- 1 - *Sphaeropsis* leaf spot, *Sphaeropsis* sp./spp.
Confirmed: 1

- 37 - Herbicide drift, Abiotic disorder
Confirmed: 13
Suspected: 24

- 5 - Roseslug, *Endelomyia aethiops*
Confirmed: 5

- 2 - Leaf Spot; Blight, *Mycosphaerella* (ana *Ramularia*) *fragariae* (*brunnea*)
Confirmed: 1
Suspected: 1

- 2 - Diplodia Tip Blight; Canker, *Sphaeropsis* (*Diplodia*) *sapinea* (*pineae*)
Confirmed: 2

- 2 - Chinch bug complex, *Blissus* sp./spp.
Confirmed: 2

- 13 - Sunscald, Abiotic disorder
Suspected: 13

- 2 - Solitary oak leafminer, *Cameraria hamadryadella*
Confirmed: 2

- 6 - Black Rot, *Guignardia* (*Phyllosticta*) *bidwellii* (*ampelicida*)
Confirmed: 6

- 7 - Stink bugs, Family *Pentatomidae*

Confirmed: 6
Suspected: 1

1 - Earth ball, Scleroderma sp./spp.
Suspected: 1

1 - Normal Plant Growth, Identification Analysis
Confirmed: 1

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

1 - Leaf spot, Diplocarpon (Entomosporium) mespili (maculata)
Confirmed: 1

5 - Sycamore Anthracnose, Apiognomonina (Gnomonia) (ana. Discula) veneta (platani)
Confirmed: 5

3 - Soybean bacterial blight, Pseudomonas syringae pv. glycinea
Confirmed: 3

1 - Water damage, Abiotic disorder
Suspected: 1

8 - Squash Mosaic, Squash Mosaic Virus (SQMV)
Confirmed: 8

1 - Flyspeck, Schizothyrium (ana. Zygothiala) pomi (jamaicensis)
Confirmed: 1

1 - , Peziza sp./spp.
Suspected: 1

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

1 - Anthracnose, Glomerella sp./spp.
Suspected: 1

3 - Soybean cyst nematode (SCN), Heterodera glycines
Confirmed: 3

3 - Watermelon Mosaic, Watermelon Mosaic Virus (WMV)
Confirmed: 2
Not Detected: 1

- 1 - Unknown, General
Not Detected: 1
- 1 - Cercospora Leaf Spot, *Cercospora salicina*
Confirmed: 1
- 1 - , *Erwinia* sp./spp.
Confirmed: 1
- 1 - Alternaria blotch (Apple), *Alternaria mali*
Confirmed: 1
- 1 - Plum Curculio, *Conotrachelus nenuphar*
Confirmed: 1
- 4 - Phomopsis canker and twig blight, *Diaporthe* (*Phomopsis*) *vaccinii*
Confirmed: 3
Suspected: 1
- 2 - Stem Rot; Southern Blight, *Athelia* (*Sclerotium*) *rolfsii*
Confirmed: 2
- 1 - Juniper needle cast, *Stigmina deflectans*
Confirmed: 1
- 1 - Black root rot, Various Fungi
Suspected: 1
- 1 - , *Curculio caryae*
Confirmed: 1
- 3 - Entomosporium leaf spot, *Entomosporium* sp./spp.
Confirmed: 3
- 2 - High temperature damage, Abiotic disorder
Suspected: 2
- 1 - Ivy bacterial leaf spot, *Xanthomonas campestris* pv. *hederae*
Confirmed: 1
- 1 - Tortricid moth, *Sparganothis* sp./spp.
Confirmed: 1
- 5 - Cucurbit bacterial wilt, *Erwinia tracheiphila*
Confirmed: 4

- Suspected: 1
- 1 - Narrow Brown Leaf Spot, *Cercospora oryzae*
Confirmed: 1
 - 1 - White grubs (Scarab beetles), Family Scarabaeidae
Confirmed: 1
 - 1 - Squash vine borer, *Melittia cucurbitae*
Confirmed: 1
 - 18 - Pythium blight; Cottony blight, *Pythium* sp./spp.
Confirmed: 18
 - 1 - Juniper tip moth, *Glyphidocera juniperella*
Confirmed: 1
 - 2 - Phosphorus deficiency, Abiotic disorder
Suspected: 2
 - 3 - Bacterial canker, *Pseudomonas syringae*
Confirmed: 2
Suspected: 1
 - 2 - Plum pockets, *Taphrina communis*
Confirmed: 2
 - 1 - Sheath blight, *Rhizoctonia* sp./spp.
Confirmed: 1
 - 1 - Sorghum gray leaf spot, *Cercospora sorghi*
Confirmed: 1
 - 6 - Tomato; Pepper bacterial spot, *Xanthomonas campestris* pv. *vesicatoria*
Confirmed: 5
Suspected: 1
 - 9 - Curvularia blight; Leaf spot, *Curvularia* sp./spp.
Confirmed: 9
 - 1 - , *Leptosphaeria* sp./spp.
Confirmed: 1
 - 1 - Watermelon Fruit Blotch, *Acidovorax avenae citrulli*
Not Detected: 1

46 - Bacterial wetwood; Slime flux, Various Pathogens

Confirmed: 41

Inconclusive: 1

Suspected: 4

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

Confirmed: 2

20 - , Abiotic disorder

Confirmed: 5

Suspected: 15

1 - Bacterial blight, Unidentified Bacteria

Confirmed: 1

2 - Billbug, Sphenophorus sp./spp.

Confirmed: 2

22 - Chemical injury, Abiotic disorder

Confirmed: 1

Suspected: 21

2 - Holly leafminer complex, Phytomyza sp./spp.

Confirmed: 2

21 - Spring dead spot, Ophiosphaerella sp./spp.

Confirmed: 18

Suspected: 3

1 - Kabatina tip blight; Needle blight, Kabatina juniperi

Confirmed: 1

14 - , No Pathogen Found

Confirmed: 9

Inconclusive: 5

1 - Cicadas, Family Cicadidae

Confirmed: 1

3 - Botrytis canker, Botrytis sp./spp.

Confirmed: 3

1 - Soybean frog-eye leaf spot, Cercospora sojina

Confirmed: 1

1 - , Unidentified Wood Boring Insect

- Suspected: 1
- 1 - Bacterial hairy root, *Agrobacterium rhizogenes*
Suspected: 1
- 1 - , *Ascochyta compositarum*
Confirmed: 1
- 1 - , *Streptomyces scabies*
Confirmed: 1
- 1 - Burls; Adventitious growth, Abiotic disorder
Confirmed: 1
- 1 - , *Botryosphaeria (Diplodia) stevensii (mutila)*
Confirmed: 1
- 1 - Leaf Spot, *Cercospora rosicola*
Confirmed: 1
- 2 - Magnolia dieback, *Shearia fusa*
Confirmed: 1
Suspected: 1
- 23 - Fire blight, *Erwinia amylovora*
Confirmed: 23
- 1 - Fusarium basal rot, *Fusarium sp./spp.*
Confirmed: 1
- 1 - Pecan Phylloxera, *Phylloxera devastatrix*
Confirmed: 1
- 2 - Cercospora leaf spot, *Cercospora citrullina*
Confirmed: 2
- 19 - Verticillium wilt, *Verticillium sp./spp.*
Confirmed: 4
Suspected: 15
- 1 - Peach bacterial gummosis, *Pseudomonas syringae*
Suspected: 1
- 3 - Southern stem rot, *Sclerotium rolfsii*
Confirmed: 3

3 - , *Cercospora sequoiae*
Confirmed: 3

1 - Salt deposit; Efflorescence, Abiotic disorder
Suspected: 1

1 - Hail damage, Abiotic disorder
Suspected: 1

1 - Blue stain, *Ceratocystis* sp./spp.
Confirmed: 1

1 - Cucumber beetles, Subfamily Galerucinae
Confirmed: 1

1 - , *Armillaria* sp./spp.
Suspected: 1

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

1 - Blackseed plantain, *Plantago rugelii*
Suspected: 1

1 - White mold (Stem rot), *Sclerotinia sclerotiorum*
Confirmed: 1

3 - Slime Mold, Class myxomycetes; myxomycota
Confirmed: 1
Suspected: 2

3 - Rust, *Puccinia cynodontis*
Confirmed: 3

1 - Soybean pod and stem blight, *Diaporthe* (*Phomopsis*) *phaseolorum sojae*
Confirmed: 1

1 - Hydrangea leaf blotch, *Septoria hydrangeae*
Confirmed: 1

1 - , Tobacco Rattle Virus (TRV)
Confirmed: 1

1 - Gallmaking midges, Family Cecidomyiidae
Confirmed: 1

- 1 - , *Gaeumannomyces graminis*
Confirmed: 1
- 1 - , Wheat Streak Mosaic Virus (WSMV)
Confirmed: 1
- 15 - Fusarium Wilt Complex, *Fusarium* sp./spp.
Confirmed: 14
Suspected: 1
- 1 - Flower smut, *Ustilago cynodontis*
Suspected: 1
- 3 - Peach leaf curl, *Taphrina deformans*
Confirmed: 3
- 1 - , *Caryomyia* sp./spp.
Confirmed: 1
- 1 - Mineral; Elemental toxicity, Abiotic disorder
Suspected: 1
- 1 - Iris leaf spot, *Mycosphaerella* (ana *Heterosporium*) *macrospora* (*gracile*)
Confirmed: 1
- 1 - Leaf spot, *Xanthomonas campestris* pv. *cucurbitae*
Confirmed: 1
- 1 - Nutrient imbalance, Abiotic disorder
Suspected: 1
- 3 - Botrytis fruit rot, *Botrytis* sp./spp.
Confirmed: 3
- 1 - Pine sawflies, Family *Diprionidae*
Confirmed: 1
- 94 - Herbicide injury; Exposure, Abiotic disorder
Confirmed: 43
Suspected: 51
- 1 - Cane Blight; Canker, *Leptosphaeria* (*Coniothyrium*) *coniothyrium* (*fuckelli*)
Confirmed: 1
- 2 - *Septoria* leaf spot, *Septoria* sp./spp.
Confirmed: 2