The Plant Health Clinic received 3061 plant samples in 2016. Horticultural samples continue to follow the trend of recent years by comprising the largest percentage of samples received. The largest category of samples in 2016 was for the category Trees/shrubs (40.0%) with 1210 samples, followed by Turf (23.0%), with 695 samples, Vegetables (15.0%), with 455 samples, Fruit/Nut (11.0%), with 340 samples, Field Crops (4.0%), Perennials (4.0%), Annuals (1.0%), Other (1.0%) and the remaining 1% divided among weed samples, forage, and unknown.

The Plant Health Clinic significantly impacts both Arkansas growers and Extension personnel through our diagnostic services, training sessions, and public outreach. The Clinic serves as a valuable aid to county agents in solving problems connected with Extension clients and shareholders. The Clinic partners with the Southern Plant Diagnostic Network, the National Plant Diagnostic Network, and the Arkansas State Plant Board to alert and train shareholders about developing threats to the agricultural and horticultural industries. Additionally, thousands of homeowners are benefitted through our diagnostic services, and one-to-one personal attention to their problems.

Plant Health Samples submitted 3061

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### District Plant Health Samples Submitted

- **Out of State**: 22
- **Delta**: 672
- **Ouachita**: 1152
- **Ozark**: 1215
- **Plant Health Total**: 3061

### Month Plant Health Samples Submitted

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**Plant Health Total 3061**
**Pests**

3 - Anthracnose, Colletotrichum acutatum  
  Confirmed: 2  
   Suspected: 1

6 - Anthracnose, Colletotrichum fragariae  
   Confirmed: 5  
   Suspected: 1

3 - Anthracnose, Colletotrichum orbiculare  
   Confirmed: 3

1 - Azalea anthracnose, Colletotrichum azaleae  
   Confirmed: 1

1 - Anthracnose, Discula fraxinea  
   Confirmed: 1

7 - Anthracnose, Discula quercina  
   Confirmed: 7

1 - Dogwood anthracnose, Discula destructiva  
   Confirmed: 1

8 - Anthracnose, Elsinoe sp./spp.  
   Confirmed: 7  
   Suspected: 1

1 - Anthracnose, Gnomonia caryae  
   Confirmed: 1

2 - Anthracnose; Black spot, Stegophora (Gnomonia) ulmea  
   Confirmed: 2

4 - Anthracnose, Colletotrichum graminicola  
   Confirmed: 4

1 - Spot anthracnose, Elsinoe quercus-falcatae  
   Confirmed: 1

1 - Anthracnose fruit rot, Colletotrichum acutatum  
   Confirmed: 1

3 - Ascochyta blight, Ascochyta sp./spp.  
   Confirmed: 3
8 - Botrytis blight, Botrytis sp./spp.
   Confirmed: 6
   Suspected: 2

11 - Brown rot, Monilia sp./spp.
   Confirmed: 11

1 - Azalea flower blight, Ovulinia azaleae
   Confirmed: 1

18 - Brown patch, Rhizoctonia sp./spp.
   Confirmed: 18

33 - Fire blight, Erwinia amylovora
   Confirmed: 31
   Suspected: 2

2 - Gummy stem blight, Didymella sp./spp.
   Confirmed: 2

23 - Late blight, Phytophthora infestans
   Confirmed: 20
   Suspected: 3

1 - Sirococcus needle blight, Sirococcus sp./spp.
   Confirmed: 1

26 - Spring dead spot, Ophiosphaerella sp./spp.
   Confirmed: 26

17 - Rhizosphaera needle cast, Rhizosphaera sp./spp.
   Confirmed: 16
   Suspected: 1

1 - Juniper needle cast, Stigmina deflectans
   Suspected: 1

1 - Oak twig blight, Coryneum kunzei
   Confirmed: 1

2 - Needle dieback, Phyllosticta sp./spp.
   Confirmed: 2

2 - Bacterial panicle blight, Burkholderia sp./spp.
   Confirmed: 2
10 - Bacterial blight, Pseudomonas syringae syringae
   Confirmed: 10

1 - Soybean bacterial blight, Pseudomonas syringae pv. glycinea
   Confirmed: 1

2 - Bacterial blight, Xanthomonas sp./spp.
   Confirmed: 2

1 - Bipolaris spot blotch, Bipolaris sp./spp.
   Confirmed: 1

1 - Eutypella canker dieback, Eutypella parasitica
   Confirmed: 1

1 - Fusarium canker, Fusarium sp./spp.
   Suspected: 1

2 - Canker, Hypoxylon sp./spp.
   Suspected: 2

2 - Leucostoma canker, Leucostoma sp./spp.
   Confirmed: 1
   Suspected: 1

2 - Macrophoma canker, Macrophoma sp./spp.
   Confirmed: 2

2 - Maple canker, Stegonsporium sp./spp.
   Confirmed: 2

14 - Cypress canker, Seiridium cardinale
   Confirmed: 12
   Suspected: 2

1 - Dieback; Canker, Nectria sp./spp.
   Confirmed: 1

8 - Dieback; Canker, Seiridium sp./spp.
   Confirmed: 8

1 - Pestalotia dieback, Pestalotia sp./spp.
   Confirmed: 1

1 - Deep bark canker, Erwinia rubrifaciens
   Confirmed: 1
4 - Rose brown canker, Cryptosporella umbrina  
   Confirmed: 4

1 - Dead arm disease, Eutypa (Libertella) armeniacae (blepharis)  
   Suspected: 1

1 - Twig dieback, Pseudomonas syringae  
   Confirmed: 1

24 - Bacterial canker, Clavibacter michiganensis michiganensis  
   Confirmed: 24

3 - Bacterial canker, Pseudomonas syringae  
   Confirmed: 2  
   Suspected: 1

18 - Bacterial canker, Pseudomonas syringae syringae  
   Confirmed: 6  
   Suspected: 12

2 - Crown gall, Agrobacterium tumefaciens  
   Confirmed: 2

1 - Oak leaf blister, Taphrina caerulescens  
   Confirmed: 1

4 - Peach leaf curl, Taphrina deformans  
   Confirmed: 4

6 - Camellia leaf gall, Exobasidium camelliae  
   Confirmed: 6

2 - Potato common scab, Streptomyces scabies  
   Confirmed: 2

9 - Apple scab, Venturia (Spilocaea) inaequalis (pomi)  
   Confirmed: 8  
   Suspected: 1

1 - Soybean bacterial pustule, Xanthomonas campestris pv. glycines  
   Confirmed: 1

1 - Potato powdery scab, Spongospora subterranea  
   Confirmed: 1
1 - Popcorn disease, Ciboria carunculoides
   Confirmed: 1

5 - Cucurbit downy mildew, Pseudoperonospora cubensis
   Confirmed: 5

1 - Downy mildew, Plasmopara obducens
   Confirmed: 1

4 - Powdery mildew, Erysiphe sp./spp.
   Confirmed: 4

9 - Powdery mildew, Erysiphe lagerstroemiae
   Confirmed: 9

1 - Powdery mildew, Phyllactinia sp./spp.
   Confirmed: 1

1 - Powdery mildew, Podosphaera sp./spp.
   Confirmed: 1

1 - Powdery mildew, Sphaerotheca sp./spp.
   Confirmed: 1

1 - Peach powdery mildew, Sphaerotheca pannosa
   Confirmed: 1

1 - Powdery mildew, Podosphaera (Sphaerotheca) macularis
   Confirmed: 1

1 - Dutch elm disease, Ophiostoma ulmi
   Confirmed: 1

3 - Fusarium wilt, Fusarium oxysporum
   Confirmed: 2
   Suspected: 1

3 - Mimosa wilt, Fusarium oxysporum perniciosum
   Confirmed: 1
   Suspected: 2

1 - Clematis wilt; Leaf spot, Phoma clematidina
   Confirmed: 1

34 - Verticillium wilt, Verticillium sp./spp.
   Confirmed: 11
Not Detected: 1  
Suspected: 22

1 - Verticillium wilt, Verticillium dahliae  
   Confirmed: 1

1 - Bird's nest fungus, Cyathus sp./spp.  
   Suspected: 1

1 - Peach bacterial gummosis, Pseudomonas syringae  
   Confirmed: 1

8 - Cucurbit bacterial wilt, Erwinia tracheiphila  
   Confirmed: 6  
   Suspected: 2

1 - Cladosporium mold, Cladosporium sp./spp.  
   Confirmed: 1

2 - White mold (Stem rot), Sclerotinia sclerotiorum  
   Confirmed: 2

4 - Bitter rot, Colletotrichum sp./spp.  
   Confirmed: 4

1 - Bitter rot, Greeneria uvicola  
   Confirmed: 1

2 - Black rot, Xanthomomas campestris  
   Confirmed: 2

2 - Charcoal rot, Macrophomina sp./spp.  
   Confirmed: 1  
   Suspected: 1

20 - Charcoal rot, Macrophomina phaseolina  
   Confirmed: 20

1 - Fusarium root rot, Fusarium sp./spp.  
   Confirmed: 1

2 - Root rot, Ganoderma sp./spp.  
   Confirmed: 2

11 - Rhizoctonia root rot, Rhizoctonia sp./spp.  
   Confirmed: 11
1 - Colletotrichum stem decay, Colletotrichum sp./spp.
   Confirmed: 1

1 - Rhizoctonia stem rot, Rhizoctonia sp./spp.
   Confirmed: 1

1 - Helminthosporium root rot, Helminthosporium sp./spp.
   Confirmed: 1

128 - Crown and root rot, Phytophthora sp./spp.
   Confirmed: 91
   Suspected: 37

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

1 - Bacterial stalk and top rot, Erwinia carotovora carotovora
   Confirmed: 1

5 - Take-all, Gaeumannomyces sp./spp.
   Confirmed: 5

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

2 - Wood rot fungus, Ganoderma sp./spp.
   Confirmed: 1
   Suspected: 1

1 - Wood rot fungus, Phellinus sp./spp.
   Confirmed: 1

2 - Bacterial stalk rot, Erwinia sp./spp.
   Confirmed: 2

1 - Bacterial soft rot, Erwinia sp./spp.
   Confirmed: 1

1 - Crucifer bacterial black rot, Xanthomonas campestris
   Confirmed: 1

10 - Rust, Gymnosporangium sp./spp.
   Confirmed: 10

1 - Australasian soybean rust, Phakopsora pachyrhizi
4 - Rhizoctonia damping off, Rhizoctonia sp./spp.
   Confirmed: 3
   Suspected: 1

2 - Smut, Ustilago sp./spp.
   Confirmed: 1
   Suspected: 1

1 - Paspalum; Dallisgrass ergot, Claviceps paspali
   Suspected: 1

27 - Cucurbit angular leaf spot, Pseudomonas syringae pv. lachrymans
   Confirmed: 27

1 - Angular leaf spot, Xanthomonas sp./spp.
   Confirmed: 1

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

1 - Strawberry Angular Leaf Spot; A, Xanthomonas fragariae
   Confirmed: 1

1 - Anthracnose black spot, Colletotrichum acutatum
   Confirmed: 1

10 - Black spot (Rose), Diplocarpon (Marssonina) rosae
    Confirmed: 9
    Suspected: 1

2 - Flyspeck, Schizothyrium (ana. Zygophiala) pomi (jamaicensis)
    Confirmed: 2

4 - Soybean frogeye leaf spot, Cercospora sojina
    Confirmed: 4

1 - Corn gray leaf spot, Cercospora zeae-maydis
    Confirmed: 1

1 - Gray leaf spot, Stemphylium botryosum
    Confirmed: 1

2 - Alternaria leaf spot, Alternaria sp./spp.
    Confirmed: 2
2 - Ascochyta leaf spot, Ascochyta sp./spp.
   Confirmed: 2

15 - Cercospora leaf spot, Cercospora sp./spp.
   Confirmed: 15

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

1 - Corynespora leaf spot, Corynespora cassiicola
   Confirmed: 1

1 - Cercospora leaf spot, Cercospora citrullina
   Confirmed: 1

1 - Brown stripe, Scolecotrichum graminis
   Confirmed: 1

2 - Leaf spot, Cercospora zinniae
   Confirmed: 2

1 - Fungal leaf spot, Cercospora hydrangeae
   Confirmed: 1

3 - Helminthosporium leaf spot, Drechslera sp./spp.
   Confirmed: 3

5 - Entomosporium leaf spot, Entomosporium sp./spp.
   Confirmed: 5

1 - Leaf spot, Guignardia sp./spp.
   Confirmed: 1

1 - Phomopsis leaf spot, Phomopsis sp./spp.
   Confirmed: 1

6 - Phyllosticta leaf spot, Phyllosticta sp./spp.
   Confirmed: 6

3 - Maple leaf spot, Phyllosticta minima
   Confirmed: 3

1 - Septoria leaf spot, Septoria sp./spp.
   Confirmed: 1
1 - Dogwood leaf spot, Septoria cornicola  
   Confirmed: 1

14 - Leaf spot, Tubakia dryina  
   Confirmed: 14

1 - Nailhead spot, Alternaria tomato  
   Confirmed: 1

1 - Algal leaf spot, Cephaleuros virescens  
   Confirmed: 1

9 - Coryneum blight (Shot hole), Wilsonomyces (Stigmina) carpophilus (carpophila)  
   Confirmed: 8  
   Suspected: 1

52 - Tomato bacterial speck, Pseudomonas tomato  
   Confirmed: 49  
   Suspected: 3

1 - Tar spot, Phacidium sp./spp.  
   Confirmed: 1

11 - Soybean target spot, Corynespora cassicola  
   Confirmed: 11

1 - Leaf streak, Cercosporidium sp./spp.  
   Confirmed: 1

1 - Bacterial leaf streak, Xanthomonas sp./spp.  
   Confirmed: 1

1 - Sorghum bacterial leaf streak, Xanthomonas campestris pv. holcicola  
   Confirmed: 1

4 - White spot, Cercosporella sp./spp.  
   Confirmed: 3  
   Suspected: 1

1 - Bacterial leaf spot, Xanthomonas campestris pv. maculifoliigard  
   Confirmed: 1

7 - Bacterial leaf spot, Pseudomonas sp./spp.  
   Confirmed: 7

2 - Bacterial leaf spot, Pseudomonas cichorii
6 - Bacterial leaf spot, \textit{Pseudomonas syringae}  
   Confirmed: 6

2 - Bacterial leaf spot, \textit{Xanthomonas campestris campestris}  
   Confirmed: 2

2 - Ivy bacterial leaf spot, \textit{Xanthomonas campestris pv. hederae}  
   Confirmed: 2

18 - Bacterial leaf spot, \textit{Xanthomonas campestris pruni}  
   Confirmed: 17  
   Suspected: 1

1 - Lettuce bacterial leaf spot, \textit{Xanthomonas campestris pv. vitians}  
   Confirmed: 1

4 - Bean brown spot blight, \textit{Pseudomonas syringae}  
   Confirmed: 4

3 - Cucumber Mosaic, \textit{Cucumber Mosaic Virus (CMV)}  
   Confirmed: 3

1 - Hosta Virus X, \textit{Hosta Virus X (HVX)}  
   Confirmed: 1

2 - Squash Mosaic, \textit{Squash Mosaic Virus (SQMV)}  
   Confirmed: 2

3 - Tobacco Mosaic, \textit{Tobacco Mosaic Virus (TMV)}  
   Confirmed: 3

8 - Mites, Order \textit{Acari}  
   Confirmed: 8

1 - Eriophyid mites, Family \textit{Eriophyidae}  
   Confirmed: 1

1 - Bermudagrass mite, \textit{Eriophyes cynodoniensis}  
   Confirmed: 1

1 - Baldcypress rust mite, \textit{Epitrimerus taxodii}  
   Confirmed: 1

1 - Pearleaf blister mite, \textit{Eriophyes pyri}
5 - Broad mite, Polyphagotarsonemus latus  
  Confirmed: 5

1 - False spider mite, Pentamerismus erythreus  
  Confirmed: 1

44 - Spider mites, Family Tetranychidae  
  Confirmed: 42  
  Suspected: 2

2 - Pecan leaf scorch mite, Eotetranychus hicroiae  
  Confirmed: 2

1 - Flathead; Metallic wood borers, Family Buprestidae  
  Suspected: 1

1 - Rednecked cane borer, Agrilus ruficollis  
  Confirmed: 1

1 - Flatheaded appletree borer, Chrysobothris femorata  
  Suspected: 1

1 - Cerambycid beetles, Family Cerambycidae  
  Confirmed: 1

1 - Soybean stem borer, Dectes texanus  
  Confirmed: 1

6 - Flea beetles, Subfamily Alticinae  
  Confirmed: 5  
  Suspected: 1

1 - Potato flea beetle, Epitrix cucumeris  
  Confirmed: 1

1 - Eggplant flea beetle, Epitrix fuscula  
  Confirmed: 1

1 - Colorado potato beetle, Leptinotarsa decemlineata  
  Confirmed: 1

1 - Cucumber beetle, Acalymma sp./spp.  
  Suspected: 1
1 - Cowpea Curculio, Chalcodermus aeneus
   Confirmed: 1

11 - Plum Curculio, Conotrachelus nenuphar
   Confirmed: 9
   Suspected: 2

3 - Pecan weevil, Curculio caryae
   Confirmed: 3

1 - White grubs (Scarab beetles), Family Scarabaeidae
   Confirmed: 1

2 - May beetles, Family Scarabaeidae
   Suspected: 2

1 - Sorghum midge, Contarinia sorghicola
   Confirmed: 1

1 - Rose midge, Dasineura rhodophaga
   Confirmed: 1

3 - Boxwood leafminer, Monarthropalpus flavus (buxi)
   Confirmed: 3

1 - Cypress twig gall midge, Taxodiomyia cupressiananassa
   Confirmed: 1

1 - Apple maggot (AM), Rhagoletis pomonella
   Confirmed: 1

1 - Large milkweed bug, Oncopeltus fasciatus
   Confirmed: 1

8 - Stink bugs, Family Pentatomidae
   Confirmed: 5
   Suspected: 3

1 - Rice stink bug, Oebalus pugnax
   Confirmed: 1

2 - Lace bugs, Family Tingidae
   Confirmed: 2

1 - Oak lace bug, Corythucha arcuata
   Confirmed: 1
5 - Azalea lace bug, Stephanitis pyrioides
   Confirmed: 5

1 - Lantana lace bug, Teleonemia scrupulosa
   Confirmed: 1

9 - Whiteflies, Family Aleyrodidae
   Confirmed: 9

10 - Aphids (Plant lice), Family Aphididae
     Confirmed: 10

1 - Woolly apple aphid, Eriosoma lanigerum
   Confirmed: 1

1 - Aphis aphids, Aphis sp./spp.
   Confirmed: 1

1 - Daylily aphid, Myzus hemerocallis
   Confirmed: 1

1 - Duskyveined walnut aphid, Panaphis juglandis
   Confirmed: 1

1 - Wax scale, Ceroplastes sp./spp.
   Confirmed: 1

1 - Lecanium scales, Lecanium sp./spp.
   Confirmed: 1

2 - Armored scales, Family Diaspididae
   Confirmed: 2

1 - Holly scale, Dynaspidiotus britannicus
   Confirmed: 1

1 - Tea scale, Fiorinia theae
   Suspected: 1

1 - Camellia scale, Lepidosaphes camelliae
   Confirmed: 1

1 - White peach scale, Pseudaulacaspis pentagona
   Confirmed: 1
8 - Euonymus scale, Unaspis euonymi  
   Confirmed: 8

3 - Azalea bark scale, Eriococcus azaleae  
   Confirmed: 3

2 - Flatid planthoppers, Family Flatidae  
   Confirmed: 1  
   Suspected: 1

2 - Groundpearls, Margarodes sp./spp.  
   Confirmed: 2

1 - Cottony cushion scale, Icerya purchasi  
   Confirmed: 1

1 - Pecan Phylloxera, Phylloxera devastatrix  
   Confirmed: 1

4 - Pecan leaf Phylloxera, Phylloxera notabilis  
   Confirmed: 4

1 - Grape Phylloxera, Daktulosphaira vitifoliae  
   Confirmed: 1

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

1 - Mealybugs, Family Pseudococcidae  
   Confirmed: 1

1 - Oak bullet gall wasp, Disholcaspis globulus  
   Confirmed: 1

3 - Gouty oak gall wasp, Callirhytis quercus  
   Confirmed: 3

1 - Roly poly oak gall, Andricus palytes  
   Confirmed: 1

1 - Roseslug, Endelomyia aethiops  
   Confirmed: 1

1 - Solitary oak leafminer, Cameraria hamadryadella  
   Confirmed: 1
1 - Cutworms, Family Noctuidae
   Suspected: 1

1 - Fall armyworm (FAw), Spodoptera frugiperda
   Confirmed: 1

3 - Bagworm moths, Family Psychidae
   Confirmed: 3

2 - Lesser canna leafroller, Geshna cannalis
   Confirmed: 2

1 - Sweetgum leaftier, Nephopterix uvinella
   Confirmed: 1

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

4 - Dogwood borer (DwB), Synanthedon scitula
   Confirmed: 2
   Suspected: 2

1 - Tomato hornworm, Manduca quinquemaculata
   Confirmed: 1

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

2 - Hickory shuckworm (HSw), Cydia caryana
   Confirmed: 2

2 - Soybean cyst nematode (SCN), Heterodera glycines
   Confirmed: 2

1 - Woolly Croton, Croton capitatus
   Confirmed: 1

1 - Hairy crabweed; Fatoua, Fatoua villosa
   Confirmed: 1

1 - Meadow spikemoss, Selaginella apoda
   Suspected: 1

7 - Algae, General
   Confirmed: 7
2 - Lichens, Lichenes
   Confirmed: 2

13 - Chemical injury, Abiotic disorder
   Not Detected: 1
   Suspected: 12

38 - Chemical; Environmental injury, Abiotic disorder
   Suspected: 38

116 - Herbicide injury; Exposure, Abiotic disorder
   Confirmed: 20
   Suspected: 96

7 - Herbicide drift, Abiotic disorder
   Confirmed: 3
   Suspected: 4

20 - Glyphosate injury, Abiotic disorder
   Confirmed: 7
   Suspected: 13

1 - Animal damage, Abiotic disorder
   Confirmed: 1

1 - Poor growing conditions, Abiotic disorder
   Confirmed: 1

1 - Sunlight-induced pathology, Abiotic disorder
   Confirmed: 1

1 - Insufficient light, Abiotic disorder
   Suspected: 1

10 - Sunscald, Abiotic disorder
   Suspected: 10

4 - Nutritional pathology, Abiotic disorder
   Suspected: 4

8 - Nutritional deficiency, Abiotic disorder
   Suspected: 8

2 - Nutrient imbalance, Abiotic disorder
   Suspected: 2
1 - Low pH damage, Abiotic disorder
   Suspected: 1

3 - High pH damage, Abiotic disorder
   Confirmed: 1
   Suspected: 2

1 - Wind damage, Abiotic disorder
   Suspected: 1

7 - Scorch, Abiotic disorder
   Confirmed: 3
   Suspected: 4

1 - Environmental stress; Problem, Abiotic disorder
   Suspected: 1

6 - Drought stress damage, Abiotic disorder
   Confirmed: 1
   Suspected: 5

1 - Transplant shock; Stress, Abiotic disorder
   Suspected: 1

21 - Oedema; Edema, Abiotic disorder
   Confirmed: 21

1 - Burls; Adventitious growth, Abiotic disorder
   Confirmed: 1

18 - Natural senescence, Abiotic disorder
   Confirmed: 11
   Suspected: 7

1 - Needle dessication, Abiotic disorder
   Confirmed: 1

2 - Root problems, Abiotic disorder
   Suspected: 2

1 - Tatters, Abiotic disorder
   Confirmed: 1

3 - Potassium deficiency, Abiotic disorder
   Suspected: 3
6 - Magnesium deficiency, Abiotic disorder
   Confirmed: 4
   Suspected: 2

1 - Phosphorus deficiency, Abiotic disorder
   Confirmed: 1

1 - Boron toxicity, Abiotic disorder
   Suspected: 1

1 - Manganese toxicity, Abiotic disorder
   Suspected: 1

26 - Excessive water, Abiotic disorder
   Confirmed: 5
   Suspected: 21

1 - Hail damage, Abiotic disorder
   Suspected: 1

5 - Blossom end rot, Abiotic disorder
   Confirmed: 5

1 - Poor pollination, Abiotic disorder
   Confirmed: 1

12 - Septoria leaf blight, Septoria lycopersici
   Confirmed: 10
   Suspected: 2

1 - Phytophthora canker, Phytophthora sp./spp.
   Suspected: 1

1 - Bacterial fasciation, Rhodococcus fascians
   Suspected: 1

1 - Cercospora needle blight, Cercospora sp./spp.
   Confirmed: 1

2 - Bacterial wilt, Ralstonia solanacearum
   Confirmed: 1
   Suspected: 1

1 - Phytophthora bud rot, Phytophthora sp./spp.
   Suspected: 1
5 - Bacterial wetwood; Slime flux, Various Pathogens  
   Confirmed: 4  
   Suspected: 1

1 - Butt rot, Botryosphaeria sp./spp.  
   Confirmed: 1

17 - Viruses, Viruses  
   Not Detected: 16  
   Suspected: 1

1 - Bumblebee, Bombus sp./spp.  
   Confirmed: 1

5 - Yellow-bellied sapsucker, Sphyrapicus varius  
   Confirmed: 5

6 - Dogwood powdery mildew, Erysiphe pulchra  
   Confirmed: 6

2 - Tar spot, Phyllachora sp./spp.  
   Confirmed: 2

2 - Spot anthracnose, Elsinoe (ana. Sphaceloma) rosarum  
   Confirmed: 2

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

1 - Poplar; Willow Cytospora canker, Valsa (Cytospora) sordida (chrysosperma )  
   Confirmed: 1

6 - Pitch canker, Gibberella (Fusarium) sp./spp.  
   Confirmed: 5  
   Suspected: 1

1 - Scab, Sphaceloma (tel. Elsinoe) poinsettiae  
   Confirmed: 1

3 - Oak powdery mildew, Erysiphe (Oidium) alphitoides  
   Confirmed: 3

6 - Powdery mildew, Sphaerotheca pannosa  
   Confirmed: 6
7 - Phytophthora stem rot, Phytophthora nicotianae var. parasitica
   Confirmed: 7

1 - White root rot, Scytinostroma (Corticium) galactinum
   Confirmed: 1

3 - Cedar-quince rust, Gymnosporangium clavipes
   Confirmed: 3

1 - Pestalotia leaf blight, Pestalotia cryptomeriae
   Confirmed: 1

14 - Septoria leaf spot, Septoria lycopersici
   Confirmed: 11
   Suspected: 3

1 - Bacterial leaf spot, Unidentified Bacteria
   Suspected: 1

1 - Rose Mosaic, Prunus Necrotic Ringspot Virus (PNRSV)
   Confirmed: 1

2 - Phytotoxicity, Abiotic disorder
   Confirmed: 1
   Suspected: 1

2 - Yellow tuft, Sclerophthora (Phytophthora) macrospora
   Confirmed: 2

1 - Freeze; Frost; Cold damage, Abiotic disorder
   Suspected: 1

1 - Watermelon Fusarium wilt, Fusarium oxysporum f.sp. niveum
   Confirmed: 1

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

2 - Bacterial blight, Dickeya (Erwinia) chrysanthemi
   Confirmed: 2

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

7 - Early blight; Leaf spot, Alternaria solani
   Confirmed: 7
<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Confirmed</th>
<th>Suspected</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Cytospora canker; Dieback, Cytospora sp./spp.</td>
<td>2</td>
<td>1</td>
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<tr>
<td>4</td>
<td>Dieback; Canker; Twig blight, Botryosphaeria sp./spp.</td>
<td>4</td>
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<tr>
<td>1</td>
<td>Scab, Venturia sp./spp.</td>
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<tr>
<td>1</td>
<td>Rust mites, Order acari</td>
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<tr>
<td>1</td>
<td>Thrips, Order thysanoptera</td>
<td>1</td>
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<tr>
<td>29</td>
<td>Scale insects, Order homoptera</td>
<td>29</td>
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<tr>
<td>1</td>
<td>Hymenopterans, Order hymenoptera</td>
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<tr>
<td>5</td>
<td>Grape anthracnose; Birds-eye rot, Elsinoe (Sphaceloma) ampelina (ampelina)</td>
<td>5</td>
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</tr>
<tr>
<td>5</td>
<td>Spot anthracnose, Elsinoe corni</td>
<td>5</td>
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<tr>
<td>3</td>
<td>Boxwood Macrophoma leaf spot, Dothiorella (Macrophoma) sempervirens (candollei)</td>
<td>3</td>
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<tr>
<td>1</td>
<td>Stem canker, Colletotrichum (teleo. Glomerella) sp./spp.</td>
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<tr>
<td>1</td>
<td>Tar spot of oak, Trabutia quercina</td>
<td>1</td>
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<tr>
<td>145</td>
<td>Take all, Gaeumannomyces graminis var. avenae</td>
<td>145</td>
<td>3</td>
</tr>
<tr>
<td>6</td>
<td>Purple seed-stain; Leaf blight, Cercospora kikuchii</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Kabatina tip blight; Needle blight, Kabatina juniperi</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Confirmed: 3

1 - Wood rot fungus; Dryadeus root rot, Inonotus dryadeus
   Confirmed: 1

1 - Cedar-hawthorn rust, Gymnosporangium globosum
   Confirmed: 1

4 - Cedar-apple rust, Gymnosporangium juniperi-virginianae
   Confirmed: 4

7 - Curvularia blight; Leaf spot, Curvularia sp./spp.
   Confirmed: 7

2 - Apple twig blight;; dieback; Canker, Botryosphaeria obtusa
   Confirmed: 2

19 - Pestalotiopsis needle blight; Tip blight, Pestalotiopsis sp./spp.
    Confirmed: 19

5 - Brown Spot ; Needle Blight, Mycosphaerella dearnessii
    Confirmed: 5

1 - Rose downy mildew, Peronospora sparsa
    Not Detected: 1

5 - Leaf spot, Pestalotiopsis (Pestalotia) sp./spp.
    Confirmed: 5

1 - Lophodermium leaf spot; Needle cast, Lophodermium sp./spp.
    Confirmed: 1

3 - Black measles; Esca, Phaeomoniella chlamydospora
    Confirmed: 2
    Suspected: 1

1 - Shoot blight; Twig dieback, Sirococcus tsugae
    Confirmed: 1

8 - Mallow rust; Hollyhock rust, Puccinia malvacearum
    Confirmed: 8

1 - Potyvirus Group, Potyvirus Group
    Confirmed: 1

4 - Bacterial wilt; Canker; Rot, Clavibacter michiganensis
Confirmed: 4

33 - Pythium blight; Cottony blight, Pythium sp./spp.
  Confirmed: 33

2 - Spur blight, Didymella (Phoma) applanata (rubicola)
  Confirmed: 2

226 - Large Patch, Thanatephorus (Rhizoctonia) cucumeris (solani)
  Confirmed: 224
  Suspected: 2

4 - Phomopsis tip blight; Needle blight, Phomopsis juniperovora
  Confirmed: 4

24 - Hypoxylon canker, Entoleuca (Hypoxylon) mammata (blakei)
  Confirmed: 16
  Suspected: 8

14 - Phomopsis dieback; Tip blight; Canker, Phomopsis sp./spp.
  Confirmed: 14

1 - Cane canker, Coniothyrium (Diapleella) fuckelli (coniothyrium)
  Confirmed: 1

47 - Pythium root and/or crown rot, Pythium sp./spp.
  Confirmed: 45
  Suspected: 2

8 - Soybean Phytophthora root and stem rot, Phytophthora sojae
  Confirmed: 8

1 - Phymatotrichium root rot, Phymatotrichopsis (Phymatotrichum) omnivora (omnivorum)
  Confirmed: 1

1 - Stem and crown rot, Phytophthora nicotianae
  Confirmed: 1

2 - Sheath blight, Rhizoctonia sp./spp.
  Confirmed: 2

4 - Corn bacterial stalk rot, Erwinia (Pectobacterium) chrysanthemi and dissolvens
  Confirmed: 4

3 - Southern corn rust, Puccinia polysora
  Confirmed: 2
Not Detected: 1

1 - Aster rust; Rust, Puccinia cnici-olearacei (asteris)
   Confirmed: 1

11 - Rust; Leaf rust, Puccinia zoysiae
   Confirmed: 11

1 - Bramble leaf rust; Blackberry leaf rust, Phragmidium violaceum
   Confirmed: 1

11 - Pythium damping off, Pythium sp./spp.
   Confirmed: 10
   Suspected: 1

3 - Leaf spot, Diplocarpon (Entomosporium) mespili (maculata)
   Confirmed: 3

11 - Tomato; Pepper bacterial spot, Xanthomonas campestris pv. vesicatoria
   Confirmed: 10
   Suspected: 1

2 - Rhizoctonia foliar/ aerial/ web blight, Rhizoctonia solani
   Confirmed: 2

6 - Soybean sudden death syndrome, Fusarium virguliforme
   Confirmed: 4
   Suspected: 2

1 - Yellow shoulder; Water imbalance, Abiotic disorder
   Confirmed: 1

2 - Balling, Abiotic disorder
   Confirmed: 2

7 - Boxwood Volutella blight; Canker, Volutella buxi
   Confirmed: 6
   Suspected: 1

2 - Canker, Unidentified Agent
   Suspected: 2

1 - Heart rot, Unidentified Agent
   Suspected: 1

2 - Root rot, Various Fungi
Suspected: 2

83 - Root rot, Unidentified Agent
   Confirmed: 1
   Not Detected: 1
   Suspected: 81

2 - Rust, Unidentified Fungus
   Confirmed: 2

1 - Wire Stem; Belly Rot, Thanatephorus (Rhizoctonia) cucumeris (solani)
   Confirmed: 1

25 - Insect damage, Unidentified Insect
   Confirmed: 21
   Suspected: 4

2 - Cicada egg-laying injury, Unidentified Cicada
   Confirmed: 2

5 - Mite damage, Unidentified Mite
   Confirmed: 4
   Suspected: 1

2 - No virus found, No Virus Found
   Confirmed: 2

2 - Insect gall, Insect Gall
   Confirmed: 2

75 - Insufficient sample, Identification Analysis
   Confirmed: 74
   Inconclusive: 1

1 - Additional sample requested, Identification Analysis
   Confirmed: 1

6 - Adequate sample, Identification Analysis
   Confirmed: 6

1 - Aster yellows Phytoplasma, Candidatus Phytoplasma asteris
   Confirmed: 1

1 - Powdery mildew, Unidentified Fungus
   Confirmed: 1
2 - Leaf spot, Tubakia sp./spp.  
    Confirmed: 2

1 - Purple nutsedge, Cyperus rotundus  
    Confirmed: 1

1 - Thrips damage, Unidentified Thrips  
    Confirmed: 1

36 - , Abiotic disorder  
    Confirmed: 8  
    Suspected: 28

1 - , Asperisporium caricae  
    Confirmed: 1

1 - , Botrytis sp./spp.  
    Confirmed: 1

1 - , Capnodium sp./spp.  
    Confirmed: 1

1 - , Cercospora gossypina  
    Confirmed: 1

6 - , Cercospora hydrangeae  
    Confirmed: 6

3 - , Cucumber Mosaic Virus (CMV)  
    Confirmed: 3

1 - , Diaporthe phaseolorum  
    Confirmed: 1

1 - , Drechslera (Helminthosporium) sp./spp.  
    Confirmed: 1

1 - , Environmental Stresses  
    Confirmed: 1

11 - , Identification Analysis  
    Confirmed: 5  
    Inconclusive: 2  
    Suspected: 4

1 - , Mycosphaerella sp./spp.
Suspected: 1
1 - Nandina Mosaic Virus (NaMV)  
   Confirmed: 1

Confirmed: 1
3 - No Pathogen Found  
   Confirmed: 3

1 - Perilla frutescens  
   Confirmed: 1

1 - Pestalotiopsis (Pestalotia) sp./spp.  
   Confirmed: 1

Confirmed: 1
1 - Phoma sp./spp.  
   Confirmed: 1

1 - Pythium sp./spp.  
   Confirmed: 1

1 - Ramulispora sorghi  
   Confirmed: 1

1 - Scymnus sp./spp.  
   Confirmed: 1

1 - Unidentified Canker  
   Confirmed: 1

1 - Viruses  
   Suspected: 1

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

2 - Arborvitae needle blight, Phyllosticta thucae  
   Confirmed: 2

2 - Stripe rust; Yellow rust, Puccinia striiformis var. striiformis  
   Confirmed: 2

2 - Rust, Puccinia cynodontis  
   Confirmed: 2

1 - Bacterial blight, Unidentified Bacteria  
   Confirmed: 1
1 - Woolly oak aphid, Stegophylla essigi  
   Confirmed: 1

1 - Fertilizer injury, Abiotic disorder  
   Suspected: 1

1 - Seed rot; Damping off; Seedling blight, Pythium sp./spp.  
   Confirmed: 1

62 - No pathogen found, Identification Analysis  
   Confirmed: 59  
   Inconclusive: 3

4 - Anthracnose stem blight, Colletotrichum sp./spp.  
   Confirmed: 4

14 - Southern blight, Sclerotium rolfsii  
   Confirmed: 13  
   Suspected: 1

1 - Phomopsis longicolla  
   Confirmed: 1

1 - Seed decay, Phomopsis longicolla  
   Confirmed: 1

2 - Greenbug, Schizaphis graminum  
   Confirmed: 2

1 - Eutypella canker, Eutypella sp./spp.  
   Confirmed: 1

51 - Crown rot; Root rot; Stem rot, Phytophthora sp./spp.  
   Confirmed: 37  
   Suspected: 14

5 - Root-knot nematodes, Meloidogyne sp./spp.  
   Confirmed: 5

2 - Bacterial fruit blotch, Acidovorax avenae citrulli  
   Confirmed: 2

6 - Jumping oak gall wasp, Neuroterus saltatorius  
   Confirmed: 6
1 - Seimatosporium sp./spp.
   Confirmed: 1

1 - Leaf spot, Seimatosporium sp./spp.
   Confirmed: 1

1 - Sooty blotch flyspeck complex, Various Fungi
   Confirmed: 1

8 - Crapemyrtle scale, Eriococcus lagerstroemiae
   Confirmed: 8

1 - Powdery mildew, Podosphaera (Sphaerotheca) fuliginea
   Confirmed: 1

1 - Bacterial shot hole, Pseudomonas syringae
   Confirmed: 1

3 - Phyllosticta (Guignardia) ampelicida (bidwellii)
   Confirmed: 3

1 - Leaf spot, Phyllosticta (Guignardia) ampelicida (bidwellii) (f. parthenocissi)
   Confirmed: 1

1 - Xanthomonas cucurbitae (campestris)
   Confirmed: 1

8 - Roseslug, Endelomyia sp./spp.
   Confirmed: 8

4 - Normal plant growth, Identification Analysis
   Confirmed: 3
   Suspected: 1

1 - Undetermined injury, Identification Analysis
   Confirmed: 1

1 - Unidentified Caterpillar
   Confirmed: 1

1 - Pseudocercospora handelii
   Confirmed: 1

1 - Colletotrichum destructivum
   Confirmed: 1
10 - Maple anthracnose, Aureobasidium apocryptum
   Confirmed: 9
   Suspected: 1

1 - Sycamore anthracnose, Apiognomonia veneta
   Confirmed: 1

1 - Soybean anthracnose, Colletotrichum destructivum
   Confirmed: 1

1 - Anthracnose, Colletotrichum gloeosporioides
   Confirmed: 1

1 - Cotton anthracnose, Colletotrichum gossypii
   Confirmed: 1

2 - Anthracnose leaf blight, Colletotrichum graminicola
   Confirmed: 2

1 - Eastern filbert blight, Anisogramma anomala
   Confirmed: 1

1 - Chestnut blight, Cryphonectria parasitica
   Confirmed: 1

1 - Leaf blight; Stem blight; Stem canker, Boeremia exigua
   Confirmed: 1

1 - Cercospora needle blight, Passalora sequoiae
   Confirmed: 1

2 - Sorghum curvul. head blight, Curvularia sp./spp.
   Confirmed: 2

1 - Apple blotch; Leaf spot; Twig canker, Phyllosticta arbutifolia
   Confirmed: 1

4 - Peony leaf blotch, Graphiopsis chlorocephala
   Confirmed: 4

8 - Canker; Stem blight; Dieback, Botryosphaeria dothidea
   Confirmed: 6
   Suspected: 2

6 - Oak twig canker and dieback, Botryosphaeria quercuum
   Confirmed: 5
Suspected: 1

1 - Canker; Coral spot; Blight; Dieback, Nectria cinnabarina
   Confirmed: 1

3 - Willow black canker, Colletotrichum salicis
   Confirmed: 3

2 - Black knot, Apiosporina morbosa
   Confirmed: 1
   Suspected: 1

4 - Cucumber scab; Gummosis, Cladosporium cucumerinum
   Confirmed: 3
   Suspected: 1

11 - Pecan; Hickory scab, Fusicladium caryigenum
   Confirmed: 11

3 - Leaf and flower gall, Exobasidium vaccinii
   Confirmed: 3

2 - Oak wilt, Ceratocystis fagacearum
   Suspected: 2

1 - Stem rot, Nakatea oryzae
   Confirmed: 1

2 - Leaf mold; Spot, Passalora fulva
   Confirmed: 2

1 - Leaf mold, Passalora fulva
   Confirmed: 1

1 - Armillaria root rot, Armillaria sp./spp.
   Confirmed: 1

1 - Clitocybe root rot, Armillaria tabescens
   Suspected: 1

1 - White rot, Botryosphaeria dothidea
   Confirmed: 1

18 - Black rot, Phyllosticta ampelicida
    Confirmed: 17
    Suspected: 1
1 - Southern fusiforme rust, Cronartium quercuum fusiforme  
   Confirmed: 1

1 - Persimmon anthracnose, Pseudocercospora fuliginosa  
   Confirmed: 1

3 - Septoria leaf and cane spot, Sphaerulina westendorpii  
   Confirmed: 2  
   Suspected: 1

1 - Phomopsis cane; Leaf spot; Excoriosis, Diaporthe ampelina  
   Confirmed: 1

2 - Gray leaf spot, Pyricularia grisea  
   Confirmed: 2

6 - Leaf blight and spot; Shothole, Blumeriella jaapii  
   Confirmed: 6

55 - Helminthosporium leaf spot, Bipolaris cynodontis  
   Confirmed: 55

9 - Azalea leaf spot, Pseudocercospora handelii  
   Confirmed: 9

2 - Cercospora leaf spot, Pseudocercospora salicina  
   Confirmed: 2

5 - Fabraea leaf and fruit spot, Diplocarpon mespili  
   Confirmed: 5

4 - Slime mold, Class Myxogastria; Mycetozoa  
   Confirmed: 4

9 - Bacterial leaf scorch, Xylella fastidiosa  
   Confirmed: 4  
   Not Detected: 1  
   Suspected: 4

1 - Unspecified pathology, Stigmina sp./spp.  
   Confirmed: 1

1 - Wheat powdery mildew, Blumeria graminis f.sp. tritici  
   Confirmed: 1
9 - Black root rot, Thielaviopsis basicola
   Confirmed: 8
   Suspected: 1

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

16 - Rose rosette disease, Rose Rosette Virus (RRV)
   Confirmed: 13
   Not Detected: 1
   Suspected: 2

6 - Fusarium wilt; Fusarium wilt complex, Fusarium sp./spp.
   Confirmed: 5
   Suspected: 1

7 - Brown spot; Needle blight, Mycosphaerella dearnessii
   Confirmed: 7

1 - Glume blotch, Septoria (Mycosphaerella) tritici ( graminicola)
   Confirmed: 1

1 - Strawberry angular leaf spot, Xanthomonas fragariae
   Confirmed: 1

1 - Lilac borer; Ash clearwing, Podosesia syringae
   Suspected: 1

1 - Rice autumn decline; Akiochi, Abiotic disorder
   Suspected: 1

10 - Cucumber mosaic (CMV), Cucumovirus Cucumber Mosaic Virus
   Confirmed: 10

1 - Impatiens necrotic spot (INSV), Tospovirus Impatiens Necrotic Spot Virus
   Confirmed: 1

1 - Tobacco ringspot (TRSV), Nepovirus Tobacco Ringspot Virus
   Confirmed: 1

1 - Tomato spotted wilt (TSWV), Tospovirus Tomato Spotted Wilt Virus
   Confirmed: 1

1 - Bacterial gall, Pseudomonas savastanoi
   Confirmed: 1
99 - Large patch, Rhizoctonia solani
   Confirmed: 98
   Suspected: 1

3 - Rose rosette disease (RRV), Emaravirus Rose Rosette Virus
   Confirmed: 3