



UNIVERSITY OF ARKANSAS
DIVISION OF AGRICULTURE
Cooperative Extension Service

Plant Health Clinic 2008 Summary Report

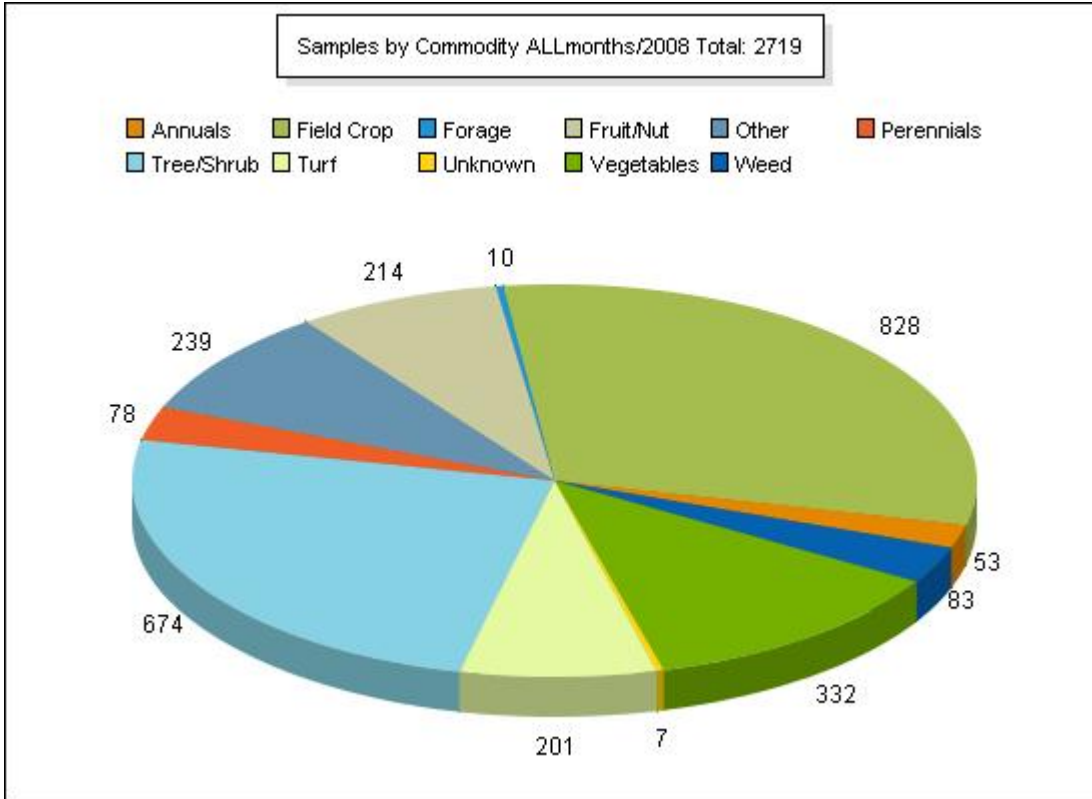
The plant Health Clinic received 2719 plant samples in 2008. Numbers were up 17% over 2006, but fewer samples than 2007. Sample numbers in 2007 were inflated by 981 hosta samples from one nursery requesting virus testing. The largest number of samples in 2008 was ornamentals (33%), followed by field crops (30%), vegetables (12%), and fruit/nut (8%). Training started December 2007 to familiarize county agents, specialists, and secretaries with DDDI, the Clinic's new data entry system:

December 6, 17 agents and secretaries
December 10, 20 agents and secretaries
December 11, 25 agents and secretaries
December 12, 27 agents and secretaries
December 13, 26 agents and secretaries
December 14, 18 agents and secretaries
December 17, 17 agents and secretaries
December 18, 7 agents and secretaries
December 19, 14 agents and secretaries
February 26, 2008, 30 Plant Board Agents

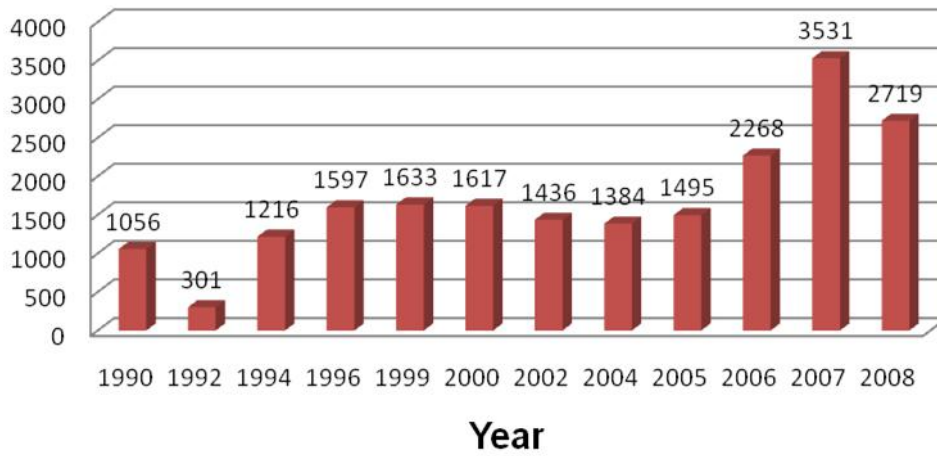
The Clinic officially switched to our new web based data system January 1, 2008.

Plant Health Samples submitted Note: other refers to kudzu screened to Asian rust	2719
Annuals	53
Field Crop	828
Forage	10
Fruit/Nut	214
Other	239
Perennials	78
Tree/Shrub	674
Turf	201
Unknown	7
Vegetables	332
Weed	83

Plant Health Samples by Commodity ALL months/2008 Total: 2719



Sample Trends 1990-2008



Month	Plant Health Samples Submitted
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January	29
February	33
March	48
April	164
May	244
June	492
July	536
August	465
September	407
October	222
November	53
December	26

Plant Health Total 2719

District	Plant Health Samples Submitted
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Out of State	28
Delta	1777
Ouachita	551
Ozark	363

Plant Health Total 2719

County	Plant Health Samples Submitted	County	Plant Health Samples Submitted
ARKANSAS	89	ASHLEY	7
BAXTER	58	BOONE	12
BRADLEY	10	CALHOUN	4
CHICOT	16	CLARK	58
CLAY	28	CLEBURNE	8
COLUMBIA	24	CONWAY	8
CRAIGHEAD	176	CRAWFORD	17
CRITTENDEN	23	CROSS	37
DALLAS	1	DESHA	49
DREW	274	FAULKNER	69
FRANKLIN	14	FULTON	6
GARLAND	64	GRANT	1
GREENE	71	HEMPSTEAD	13
HOT SPRING	41	HOWARD	23
INDEPENDENCE	5	IZARD	15
JACKSON	68	JEFFERSON	145
LAFAYETTE	19	LAWRENCE	47
LEE	53	LINCOLN	14
LITTLE RIVER	14	LOGAN	28
LONOKE	181	MILLER	11
MISSISSIPPI	34	MONROE	16
MONTGOMERY	1	NA	1
NEVADA	17	NEWTON	5
OUACHITA	13	Out of State	27
PERRY	8	PHILLIPS	45
PIKE	1	POINSETT	64
POLK	10	POPE	10
PRAIRIE	65	PULASKI	154
RANDOLPH	15	SALINE	34
SEARCY	5	SEBASTIAN	14
SEVIER	4	ST. FRANCIS	48
STONE	15	UNION	26
VAN BUREN	1	WASHINGTON	67
WHITE	161	WOODRUFF	51
YELL	6		

Plant Health Total 2719

- 3 - Impatiens necrotic spot, Tospovirus Impatiens necrotic spot virus (INSV)
- 4 - Southern wilt, Ralstonia solanacearum
- 7 - Cedar apple rust, Gymnosporangium juniperi-virginanae
- 1 - Blast and bacterial fruit spot, Pseudomonas syringae
- 153 - No pathogens recovered,
- 9 - Nutrient Deficiency,
- 2 - Unknown virus,
- 1 - red wax scale, Coccidae Ceroplastes rubens
- 1 - Woolly apple aphid, Eriosomatidae Eriosoma lanigerum (Hausmann)
- 1 - Unidentified bacterium,
- 1 - Cold injury, Abiotic
- 7 - Maple Anthracnose, Aureobasidium (Gloeosporium) apocryptum
- 4 - Anthracnose, Colletotrichum sp./spp.
- 1 - Anthracnose, Colletotrichum acutatum
- 2 - Azalea Anthracnose, Colletotrichum azaleae
- 31 - Dogwood Anthracnose, Discula destructiva
- 17 - Dogwood Spot Anthracnose, Elsinoe corni
- 3 - Anthracnose, Elsinoe veneta
- 5 - Anthracnose, Gloeosporium sp./spp.
- 1 - Maple Anthracnose, Gloeosporium apocryptum
- 2 - Euonymus Anthracnose, Gloeosporium frigidum
- 1 - Anthracnose, Gnomonia caryae
- 2 - Sycamore Anthracnose, Gnomonia platani
- 4 - Oak Anthracnose, Gnomonia quercina
- 2 - Soybean Anthracnose, Glomerella (Colletotrichum) glycines (graminicola)
- 1 - Anthracnose; Black Spot, Stegophora (Gnomonia) ulmea
- 4 - Anthracnose, Colletotrichum graminicola
- 1 - Anthracnose, Sphaceloma sp./spp.
- 1 - Anthracnose Canker, Cryptosporiopsis curvispora
- 2 - Anthracnose Fruit Rot, Colletotrichum acutatum
- 1 - Alternaria Blight, Alternaria sp./spp.
- 8 - Botrytis Blight, Botrytis sp./spp.
- 1 - Apple Blight, Diaporthe mali
- 1 - Marssonina Blight, Marssonina populi
- 1 - Phoma Blight, Phoma sp./spp.
- 8 - Pythium Blight, Pythium sp./spp.
- 1 - Phoma Blight, Phoma exigua
- 1 - Phytophthora Blight, Phytophthora cinnamomi
- 2 - Phytophthora Blight, Phytophthora nicotianae
- 1 - Camellia Petal; Flower Blight, Ciborinia camelliae
- 1 - Brown Rot, Monilia sp./spp.
- 1 - Azalea Flower Blight, Ovulinia azaleae
- 5 - Brown Patch, Rhizoctonia sp./spp.
- 4 - Early Blight, Alternaria solani

36 - Fire Blight, *Erwinia amylovora*
 5 - Gummy Stem Blight, *Phoma cucurbitacearum*
 1 - Late Blight, *Phytophthora infestans*
 1 - Alternaria Leaf Blight, *Alternaria* sp./spp.
 2 - Northern Corn Leaf Blight, *Exserohilum turcicum*
 1 - Leaf Blight, *Myrothecium roridum*
 2 - Yew Leaf; Twig Blight, *Dothiora (Sphaerulina) taxicola*
 1 - Dothistroma Needle Blight, *Dothistroma* sp./spp.
 4 - Southern Blight, *Athelia (Corticium) (ana. Sclerotium) rolfsii*
 1 - Spur Blight, *Didymella applanata*
 2 - Stem Blight, *Botryosphaeria dothidea*
 1 - Tip Blight, *Kabatina* sp./spp.
 1 - Phomopsis Tip Blight, *Phomopsis* sp./spp.
 1 - Botrytis Leaf; Stem Blight, *Botryotinia (Botrytis) fuckeliana (cinerea)*
 1 - Pachysandra Volutella Blight, *Pseudonectria (ana. Volutella) pachysandricola (pachysandra)*
 2 - Spring Dead Spot, *Ophiosphaerella* sp./spp.
 1 - Soybean Pod and Stem Blight, *Diaporthe phaseolorum*
 2 - Magnaporthe Summer Patch, *Magnaporthe poae*
 1 - Nigrospora Blight, *Nigrospora* sp./spp.
 1 - Turf Summer Patch, *Phialophora graminicola*
 73 - Large Patch, *Rhizoctonia solani*
 1 - Grape Cane Blight; Leaf Spot, *Cryptosporella (Phomopsis) viticola*
 1 - Pecan Shuck Decline, Unknown Agent
 1 - Chrysan. Ray Blight; Stem Canker, *Mycosphaerella (Didymella) chrysanthemi*
 1 - Needle Cast, *Rhabdocline* sp./spp.
 4 - Rhizosphaera Needle Cast, *Rhizosphaera* sp./spp.
 2 - Juniper Needle Cast, *Stigmina deflectans*
 1 - Pea Foot Rot Blight, *Phoma medicaginis*
 1 - Juniper Twig Blight, *Phomopsis juniperovora*
 6 - Bacterial Leaf Scorch, *Xylella fastidiosa*
 3 - Bacterial Blight, *Pseudomonas syringae syringae*
 7 - Soybean Bacterial Blight, *Pseudomonas syringae* pv. *glycinea*
 1 - Pea Bacterial Blight, *Pseudomonas syringae* pv. *lisi*
 2 - Rice Bacterial Blight, *Xanthomonas oryzae*
 1 - Wheat Bacterial Leaf Blight, *Pseudomonas syringae* PV. *syringae*
 2 - Peony Leaf Blotch, *Cladosporium paeoniae*
 1 - Leaf Blotch, *Guignardia (Phyllosticta) aesculi (aesculicola)*
 1 - Apple Sooty Blotch (Fruit), *Gloeodes pomigena*
 5 - Canker, *Botryodiplodia* sp./spp.
 1 - Canker, *Botryosphaeria* sp./spp.
 1 - Canker, *Botryosphaeria dothidea*
 3 - Cytospora Canker, *Cytospora* sp./spp.
 1 - Willow Canker, *Cryptodiaporthe salicina*

1 - Elm Canker, *Diaporthe apiospora*
 1 - Eutypella Canker Dieback, *Eutypella parasitica*
 2 - Hypoxylon Canker, *Entoleuca (Hypoxylon) mammata (blakei)*
 2 - Coniothyrium Leaf Spot, *Coniothyrium concentricum*
 3 - Phomopsis Canker, *Phomopsis sp./spp.*
 2 - Boxwood Canker, *Volutella buxi*
 3 - Canker, *Seiridium sp./spp.*
 3 - Oak Strumella Canker, *Strumella coryneoida*
 3 - Cypress Canker, *Seiridium cardinale*
 14 - Seiridium Canker, *Lepteutypa (Seiridium) cupressi (unicorne)*
 10 - Canker, Unspecified causal
 2 - Dieback; Canker, *Botryosphaeria sp./spp.*
 3 - Canker; Dieback, *Botryosphaeria ribis var. chromogena*
 1 - Dieback; Canker, *Coniothyrium sp./spp.*
 1 - Eutypella Canker and Dieback, *Eutypella parasitica*
 2 - Dieback; Canker, *Nectria sp./spp.*
 3 - Dieback; Canker, *Seiridium sp./spp.*
 2 - Dieback, *Botryosphaeria sp./spp.*
 1 - Kabatina Twig Blight, *Kabatina thujae*
 2 - Pestalotia Dieback, *Pestalotia sp./spp.*
 5 - Phomopsis Dieback, *Phomopsis sp./spp.*
 3 - Blueberry Dieback, *Diaporthe (Phomopsis) vaccinii*
 1 - Willow Black Canker, *Glomerella (Physalospora) miyabeana*
 1 - Rose Brown Canker, *Cryptosporella umbrina*
 2 - Stem Canker, *Phytophthora sp./spp.*
 1 - Elm Dothiorella Wilt; Canker, *Dothiorella ulmi*
 1 - Fig Stem Canker; Fruit Dry Rot, *Macrophoma fici*
 6 - Pestalotia Twig Dieback, *Pestalotia funerea*
 1 - Eutypella Trunk Canker, *Eutypella parasitica*
 3 - Pitch Canker, *Fusarium sp./spp.*
 28 - Bacterial Canker, *Clavibacter michiganensis michiganensis*
 3 - Black Knot, *Apiosporina morbosa*
 3 - Plum Black Knot, *Dibotryon morbosum*
 5 - Crown Gall, *Agrobacterium tumefaciens*
 15 - Oak Leaf Blister, *Taphrina caerulescens*
 2 - Azalea; Blueberry Leaf Gall, *Exobasidium azaleae*
 5 - Cucumber Scab; Gummosis, *Cladosporium cucumerinum*
 10 - Pecan; Hickory Scab, *Cladosporium caryigenum*
 1 - Scab, *Fusarium sp./spp.*
 1 - Pyracantha Scab, *Fusicladium pyracanthae*
 4 - Apple Scab, *Venturia (Spilocaea) inaequalis (pomi)*
 1 - Peach Scab, *Venturia (Cladosporium) carpophila*
 8 - Soybean Bacterial Pustule, *Xanthomonas campestris pv. glycines*
 1 - Leaf and Flower Gall, *Exobasidium azaleae*
 2 - Plum Pockets, *Taphrina communis*
 1 - Downy Mildews; Water Molds, *Oomycetes*

1 - Downy Mildew, *Plasmopara* sp./spp.
 2 - Soybean Downy Mildew, *Peronospora manshurica*
 1 - Downy Mildew, *Peronospora sparsa*
 3 - Wheat Downy Mildew, *Sclerophthora macrospora*
 3 - Powdery Mildew, *Erysiphe* sp./spp.
 1 - Powdery Mildew, *Erysiphe polygoni*
 2 - Powdery Mildew, *Microsphaera penicillata*
 2 - Powdery Mildew, *Oidium* sp./spp.
 5 - Euonymus Powdery Mildew, *Oidium euonymi-japonici*
 1 - Cucurbit Powdery Mildew, *Podosphaera* (*Sphaerotheca*) *xanthii* (*fuliginea*)
 1 - Rose Black Mold, *Chalaropsis thielavioides*
 2 - Crazy Top Downy Mildew, *Sclerophthora macrospora*
 1 - Gummosis, *Botryosphaeria dothidea*
 1 - Strawberry Leaf Scorch, *Diplocarpon* (*Marssonina*) *earlianum* (*fragariae*)
 1 - Azalea Leaf Scorch, *Septoria azalea*
 2 - Pear Decline, *Candidatus Phytoplasma pyri*
 1 - Fusarium Wilt Complex, *Fusarium* sp./spp.
 1 - Tomato Fusarium Wilt; Race 3, *Fusarium oxysporum* f. sp. *lycopersici* r3
 7 - Tomato Fus. Wilt (Races 1; 2), *Fusarium oxysporum* f. sp. *lycopersici* r1
 2 - Mimosa Wilt, *Fusarium oxysporum perniciosum*
 8 - Verticillium Wilt, *Verticillium* sp./spp.
 4 - Verticillium Wilt, *Verticillium dahliae*
 5 - Phytoplasma Disease, *Phytoplasma*
 1 - Fusarium Yellow, *Fusarium oxysporum*
 1 - Hollow Stalk, *Erwinia* sp./spp.
 4 - Soybean Purple Seed-stain, *Cercospora kikuchii*
 11 - Unknown, General
 2 - Black Kernel, *Cochliobolus lunatus*
 4 - Soybean Sudden Death Syndrome, *Fusarium solani* f. sp. *glycines*
 4 - Peach Bacterial Gummosis, *Pseudomonas syringae*
 3 - Cucurbit Bacterial Wilt, *Erwinia tracheiphila*
 1 - Leaf Mold, *Fulvia fulva*
 7 - Slime Mold, Class *myxomycetes*; *myxomycota*
 4 - Sooty Mold, Various fungi
 1 - Erwinia Slime Flux, *Erwinia* sp./spp.
 1 - Tomato Phoma Rot, *Phoma destructiva*
 2 - Soybean Phytophthora Rot, *Phytophthora megasperma*
 1 - Black Rot, *Guignardia bidwellii*
 1 - Apple Black Rot, *Physalospora* (*Sphaeropsis*) *obtusa* (*malorum*)
 1 - Black Rot, *Xanthomonas campestris*
 1 - Black Root Rot, *Thielaviopsis* (*Chalara*) *basicola* (*elegans*)
 3 - Brown Rot, *Monilinia* sp./spp.
 1 - Brown Fruit Rot, *Monilinia fructicola*

4 - Fusarium Dry Rot, *Fusarium* sp./spp.
 6 - Charcoal Rot, *Macrophomina* sp./spp.
 18 - Charcoal Rot, *Macrophomina phaseolina*
 1 - Sclerotium Crown Rot,
Athelia(syn.*Corticium*)(*Sclerotium*) *rolfsii*
 1 - Red Crown Rot, *Cylindrocladium crotalariae*
 1 - Crown Rot, *Phytophthora capsici*
 1 - Aspergillus Ear /Kernel Rot, *Aspergillus flavus*
 1 - Alternaria Fruit Rot, *Alternaria* sp./spp.
 4 - Botrytis Fruit Rot, *Botrytis* sp./spp.
 3 - Phytophthora Fruit Rot, *Phytophthora capsici*
 2 - Pepper (Piper) Ripe Rot, *Colletotrichum piperatum*
 2 - Armillaria Root Rot, *Armillaria* (*Clitocybe*) *tabescens*
 17 - Fusarium Root Rot, *Fusarium* sp./spp.
 1 - Bean Root Rot, *Fusarium solani* f. sp. *phaseoli*
 25 - Phytophthora Root Rot, *Phytophthora* sp./spp.
 11 - Pythium Root Rot, *Pythium* sp./spp.
 1 - Sorghum Root Rot, *Periconia circinata*
 11 - Rhizoctonia Root Rot, *Rhizoctonia* sp./spp.
 1 - Root Rot, *Thielaviopsis* sp./spp.
 6 - Pythium Root and Stem Rot, *Pythium* sp./spp.
 3 - Soybean Root; Stem Rot, *Phytophthora*
megasperma
 6 - Bacterial Stem Rot, *Erwinia carotovora carotovora*
 2 - Rice Stem Rot, *Leptosphaeria* (ana. *Sclerotium*)
salvinii (*oryzae*)
 1 - Choanephora Wet Rot, *Choanephora* sp./spp.
 1 - Corn Stalk Rot, *Fusarium tricinctum*
 1 - Pythium Stalk Rot, *Pythium aphanidermatum*
 2 - Crown and Root Rot, *Phytophthora* sp./spp.
 3 - Crown and Root Rot, Pathogen complex
 1 - Rhizoctonia Crown and Root Rot, *Thanatephorus*
(*Rhizoctonia*) *cucumeris* (*solani*)
 3 - Iris Rhizome Rot, *Botryotinia convoluta*
 1 - Potato Black Stem Rot Var., *Phoma solanicola*
 1 - Buckeye Fruit and Root Rot, *Phytophthora capsici*
 3 - Sheath Rot, *Rhizoctonia* sp./spp.
 1 - Sheath Rot, *Sarocladium oryzae*
 4 - Gray Mold, *Botrytis cinerea*
 1 - Diplodia Ear and Stalk Rot, *Stenocarpella* (*Diplodia*)
maydis
 6 - Grape Black Rot, *Guignardia* (*Phyllosticta*) *bidwellii*
(*ampellicida*)
 1 - Bacterial Soft Rot, *Erwinia carotovora carotovora*
 3 - Crown Root and Stem Rot, *Phytophthora* sp./spp.
 38 - Take-all, *Gaeumannomyces* sp./spp.
 3 - Take All, *Gaeumannomyces graminis avenae*
 1 - Wood Rot Fungus, *Phellinus* sp./spp.
 1 - Wood Rot Fungus, Undetermined sp./spp.
 2 - Bacterial Stalk Rot, *Erwinia* sp./spp.
 2 - Bacterial Soft Rot, Unidentified Bacterium
 2 - Pomidae-juniper Rust; Quince Rust,
Gymnosporangium clavipes

1 - Pear-juniper Rust, *Gymnosporangium fuscum*
 1 - Hawthorn Rust, *Gymnosporangium globosum*
 827 - Australasian Soybean Rust, *Phakopsora pachyrhizi*
 6 - Mallow Rust; Hollyhock Rust, *Puccinia malvacearum*
 8 - Rust, *Puccinia zoysiae*
 4 - Leaf Rust, *Puccinia sp./spp.*
 1 - Cane and Leaf Rust, *Kuehneola uredinis*
 1 - Pine Needle Rust, *Coleosporium tussilaginis*
 4 - Wheat Stripe Rust, *Puccinia striiformis*
 4 - Common Corn Rust, *Puccinia sorghi*
 1 - Aphanomyces Root Rot, *Aphanomyces euteiches*
 2 - Botrytis Damping Off, *Botrytis sp./spp.*
 1 - Damping Off, *Pythium sp./spp.*
 3 - Rhizoctonia Damping Off, *Rhizoctonia sp./spp.*
 1 - Artillery Fungus, *Sphaerobolus stellatus*
 1 - Maple Disease, *Acrospeira mirabilis*
 1 - Rice Stackburn Disease, *Alternaria padwickii*
 4 - Corn (Common) Smut, *Ustilago maydis*
 1 - Rice Leaf Smut, *Entyloma oryzae*
 1 - Ergot, *Claviceps sp./spp.*
 1 - Leaf Spot, *Phyllosticta sp./spp.*
 5 - Bipolaris Leaf Spot, *Bipolaris sp./spp.*
 2 - Bean Angular Leaf Spot, *Phaeoisariopsis (Isariopsis) griseola*
 5 - Cucurbit Angular Leaf Spot, *Pseudomonas syringae* pv. *lachrymans*
 1 - Leaf Spot, *Xanthomonas campestris* pv. *cucurbitae*
 1 - Oak Black Leaf Spot, *Micropletis grauataensis*
 2 - Strawberry Black Spot Fr.r., *Colletotrichum fragariae*
 3 - Black Spot (Rose), *Diplocarpon (Marssonina) rosae*
 7 - Rice Blast, *Magnaporthe grisea*
 1 - Brown Leaf Spot, *Sirosporium (Cercospora) diffusum (fusca)*
 2 - Brown Spot, *Mycosphaerella (dothistroma)*
 1 - Septoria Leaf and Cane Spot, *Mycosphaerella rubi*
 4 - Dollar Spot, *Sclerotinia (Lanzia and Moellerodiscus) homeocarpa (spp.)*
 4 - Gray Leaf Spot, *Magnaporthe (ana. Pyricularia) grisea*
 1 - Gray Leaf Spot, *Stemphylium botryosum*
 7 - Actinopelte Leaf Spot, *Actinopelte dryina*
 1 - Botrytis Leaf Spot, *Botrytis sp./spp.*
 6 - Cercospora Leaf Spot, *Cercospora sp./spp.*
 1 - Leaf Spot; Shothole, *Coccomyces sp./spp.*
 2 - Coniothyrium Leaf Spot, *Coniothyrium sp./spp.*
 2 - Corynespora Leaf Spot, *Corynespora sp./spp.*
 1 - Turfgrass Helm. Leaf Spot, *Cochliobolus (Bipolaris) sorokiniana*
 4 - Helminthosporium Leaf Spot, *Cochliobolus (Bipolaris) cynodontis*
 1 - Cryptomeria Leaf Spot, *Cercospora cryptomeriicola*
 1 - Target Spot, *Cochliobolus (ana. Bipolaris) sorghicola*
 1 - Fungal Leaf Spot, *Cercospora hydrangeae*

6 - Leaf Spot, Diplocarpon (Entomosporium) mespili
 2 - Fusarium Leaf Spot, Fusarium sp./spp.
 2 - Entomosporium Leaf Spot, Diplocarpon (Entomosporium) mespili (maculatum)
 1 - Gloeosporium Leaf Spot, Gloeosporium sp./spp.
 2 - Leptosphaerulina Leaf Spot, Leptosphaerulina sp./spp.
 1 - Macrophoma Leaf Spot, Macrophoma sp./spp.
 1 - Mycosphaerella Leaf Spot, Mycosphaerella sp./spp.
 2 - Common Leaf Spot (Strawberry), Mycosphaerella fragariae
 1 - Ash Leaf Spot, Mycosphaerella fraxinicola
 1 - Leaf Spot, Pestalotia (Pestalotiopsis) sp./spp.
 1 - Phoma Leaf Spot, Phoma sp./spp.
 2 - Phomopsis Leaf Spot, Phomopsis sp./spp.
 1 - Phyllosticta Leaf Spot, Phyllosticta sp./spp.
 2 - Leaf Spot, Pseudocercospora sp./spp.
 2 - Septoria Leaf Spot, Septoria sp./spp.
 1 - Stemphylium Leaf Spot, Stemphylium sp./spp.
 1 - Tomato Septoria Leaf Spot, Septoria lycopersici
 2 - Dogwood Leaf Spot, Septoria cornicola
 1 - Leaf Spot, Stigmata maculata
 1 - Leaf Spot, Tubakia dryina
 2 - Lichenized Algal Leaf Spot, Strigula sp./spp.
 3 - Tomato Bacterial Speck, Pseudomonas tomato
 1 - Tan Spot, Pyrenophora tritici-repentis
 2 - Soybean Target Spot, Corynespora cassiicola
 2 - Daylily Leaf Streak, Collecephalus hemerocallidis
 1 - Zonate Leaf Spot, Monochaetia monochaeta
 3 - White Leaf Spot; Gray Stem, Pseudocercospora capsellae
 1 - White Spot, Pseudocercospora capsellae
 3 - Bacterial Speck, Pseudomonas syringae PV. tomato
 4 - Stonefruit Bacterial Spot, Xanthomonas campestris pv. pruni
 17 - Tomato; Pepper Bacterial Spot, Xanthomonas campestris pv. vesicatoria
 1 - Bacterial Leaf Spot, Pseudomonas sp./spp.
 1 - Bacterial Leaf Spot, Pseudomonas cichorii
 2 - Bacterial Leaf Spot, Pseudomonas syringae
 1 - Crucifer Bacterial Leaf Spot, Pseudomonas syringae PV. maculicola
 14 - Bacterial Leaf Spot, Uncharacterized bacteria
 1 - Bacterial Leaf Spot, Xanthomonas sp./spp.
 5 - Bacterial Leaf Spot, Xanthomonas campestris campestris
 2 - Ivy Bacterial Leaf Spot, Xanthomonas campestris pv. hederiae
 6 - Bacterial Leaf Spot, Xanthomonas campestris pruni
 1 - Bacterial Brown Spot, Pseudomonas syringae PV. syringae
 6 - Virus Symptoms, Unspecified Virus
 1 - Alfalfa Mosaic, Alfalfa Mosaic Virus (AMV)

1 - Pear Stony Pit, Pear Stony Pit Virus = Apple Stem
 Pittin
 13 - Barley Yellow Dwarf Strain 2, Barley Yellow Dwarf
 Strain 2 (BYDV-PAV)
 1 - Camellia Yellow Mottle, Camellia Yellow Mottle Virus
 13 - Cucumber Mosaic, Cucumber Mosaic Virus (CMV)
 2 - Hosta Virus X, Hosta Virus X (HVX)
 3 - Poinsettia Mosaic, Poinsettia Mosaic Virus (PNMVA)
 3 - Squash Mosaic, Squash Mosaic Virus (SQMV)
 4 - Tobacco Mosaic, Tobacco Mosaic Virus (TMV)
 5 - Tomato Mosaic, Tobacco Mosaic Virus (TMV)
 2 - Tobacco Ringspot, Tobacco Ringspot Virus (TRSV)
 29 - Tomato Spotted Wilt, Tomato Spotted Wilt Virus
 (TSWV)
 2 - Wheat Spindle Streak Mosaic, Wheat Spindle Streak
 Mosaic Virus (WSSMV)
 1 - Zucchini Yellow Mosaic, Zucchini Yellow Mosaic Virus
 (ZYMV)
 1 - Inconclusive Sample, Unspecified causal
 16 - Mites, Order Acari
 1 - Rust Mites, Order acari
 1 - Eriophyid Mites, Family Eriophyidae
 1 - Erineum Galls, Family Eriophyidae
 1 - Eriophyid Aculops Mites, Aculops sp./spp.
 9 - Spider Mites, Family Tetranychidae
 5 - Thrips, Order Thysanoptera
 1 - Western Flower Thrips, Frankliniella occidentalis
 1 - Flower Thrips, Frankliniella tritici
 1 - Onion Thrips, Thrips tabaci
 2 - Thrips, Thrips sp./spp.
 1 - Common Thrips, Frankliniella schultzei
 1 - Bronze Birch Borer, Agrilus anxius
 1 - Red Oak Borer, Enaphalodes rufulus
 2 - Raspberry Cane Borer, Oberea bimaculata
 7 - Soybean Stem Borer, Dectes texanus
 1 - Cerambycid Beetle, Oberea sp./spp.
 1 - Colorado Potato Beetle, Leptinotarsa decemlineata
 1 - Soybean Leafminer, Odontota horni
 1 - Disonycha Flea Beetles, Disonycha sp./spp.
 1 - Tortoise Beetle, Charidotella sp./spp.
 1 - Rice Water Weevil, Lissorhoptrus oryzophilus
 1 - White Grubs (Scarab Beetles), Family Scarabaeidae
 1 - May Beetles, Family Scarabaeidae
 1 - Bark Beetles; Ambrosia Beetles, Family Scolytidae
 1 - Peach Bark Beetle, Phloeotribus liminaris
 1 - Sorghum Midge, Contarinia sorghicola
 1 - Gouty Vein Gall Midge, Dasineura communis
 13 - Stinkbug, Thyanta punctiventris
 1 - Oak Lace Bug, Corythucha arcuata
 1 - Azalea Lace Bug, Stephanitis pyrioides
 2 - Lantana Lace Bug, Teleonemia scrupulosa
 7 - Lacebug, Stephanitis sp./spp.
 20 - Scale Insects, Order homoptera

1 - Woolly Aphids, Families aphididae(part)
 3 - Whiteflies, Family Aleyrodidae
 4 - Aphids (Plant Lice), Family Aphididae
 1 - Apple Aphid, Aphis pomi
 1 - European Birch Aphid, Euceraaphis betulae
 1 - Leafhoppers, Family Cicadellidae
 2 - Wax Scale, Ceroplastes sp./spp.
 1 - Magnolia Scale, Neolecanium cornuparvum
 1 - Cottony Maple Scale, Pulvinaria innumerabilis
 2 - Black Scale, Saissetia oleae
 1 - Striped Pine Scale, Toumeyella pini
 5 - Juniper Scale, Carulaspis juniperi
 4 - Holly Scale, Dynaspidiotus britannicus
 1 - Fern Scale, Pinnaspis aspidistrae
 1 - Euonymus Scale, Unaspis euonymi
 2 - Bermudagrass Scale, Odonaspis ruthae
 1 - Cryptomeria Scale, Aspidiotus cryptomeriae
 1 - Armored Scale, Quernaspis quercus
 1 - Hickory Leaf Stem Gall Aphid, Phylloxera
 caryaecaulis
 2 - Mealybugs, Family Pseudococcidae
 1 - Taxus Mealybug, Dysmicoccus wistariae
 1 - Oak Wax Scale, Cerococcus quercus
 1 - Gall Wasps, Family Cynipidae
 1 - Wool Sower Gall Wasp, Callirhytis seminator
 1 - Oak Apple Galls, Family Cynipidae
 1 - Horned Oak Gall Wasp, Callirhytis cornigera
 1 - Gouty Oak Gall Wasp, Callirhytis quercus
 1 - Cynipid Gall Wasps, Acraspis sp./spp.
 1 - Bristly Roseslug, Cladius difformis
 1 - Brown Scale Encyrtid, Microterys nietneri
 1 - Bollworm; Corn Earworm, Helicoverpa (Heliopsis)
 zea
 1 - Fall Armyworm (Faw), Spodoptera frugiperda
 1 - Walnut Caterpillar, Datana integerrima
 2 - Bagworm, Thyridopteryx ephemeraeformis
 1 - Lesser Cornstalk Borer (Lcb), Elasmopalpus
 lignosellus
 1 - European Corn Borer (Ecb), Ostrinia nubilalis
 4 - Clearwing Borers, Family Sesiidae
 1 - Raspberry Crown Borer, Pennisetia marginata
 4 - Squash Vine Borer (Svb), Melittia cucurbitae
 1 - Peachtree Borer(greater)(gptb), Synanthedon
 exitisoides
 5 - Dogwood Borer (Dwb), Synanthedon scitula
 1 - Tomato Hornworm, Manduca quinquemaculata
 2 - Blueberry Tipworm, Hendecaneura shawiana
 1 - Leaf Skeletonizers, Family Zygaenidae
 4 - Arborvitae Leafminer, Argyresthia thuiella
 1 - Needle and Dagger Nematodes, Family Longidoridae
 1 - American Dagger Nematode, Xiphinema
 americanum
 6 - Soybean Cyst Nematode (Scn), Heterodera glycines

1 - Reniform Nematodes, *Rotylenchus* sp./spp.
2 - Lesion Nematodes, Family Pratylenchidae
1 - Lesion Nematodes, *Pratylenchus* sp./spp.
5 - Root Knot Nematodes, *Meloidogyne* sp./spp.
1 - Ragweed; Giant, *Ambrosia trifida*
1 - Lichens, Lichenes
7 - Chemical Injury, Abiotic disorder
4 - Chemical; Environmental Injury, Abiotic disorder
1 - High Soluble Salt, Abiotic disorder
1 - Tipburn, Abiotic disorder
31 - Herbicide Injury; Exposure, Abiotic disorder
42 - Herbicide Drift, Abiotic disorder
23 - Glyphosate Injury, Abiotic disorder
1 - 2-4-d Injury, Abiotic disorder
1 - Root Damage, Abiotic disorder
29 - Insect Damage, Abiotic disorder
6 - Cultural/Environmental Problem, Abiotic disorder
2 - Sunscald, Abiotic disorder
1 - Phototoxicity, Abiotic disorder
5 - Nutritional Pathology, Abiotic disorder
7 - Nutritional Deficiency, Abiotic disorder
3 - Nutrient Imbalance, Abiotic disorder
1 - Marginal Leaf Burn, Abiotic disorder
5 - Low Ph; Nutrient Imbalance, Abiotic disorder
2 - Dense Thatch Layer, Abiotic disorder
1 - Planting Too Deep, Abiotic disorder
3 - Soil Compaction, Abiotic disorder
2 - Frost; Cold Damage, Abiotic disorder
2 - Scorch, Abiotic disorder
2 - Winter Injury, Abiotic disorder
38 - Environmental Stress; Problem, Abiotic disorder
2 - Water Damage, Abiotic disorder
2 - Drought Stress Damage, Abiotic disorder
1 - High Soil Moisture, Abiotic disorder
1 - Drainage Problem, Abiotic disorder
1 - Yellow Shoulder; Water Imbalan, Abiotic disorder
6 - Oedema; Edema, Abiotic disorder
12 - Physiological Responses, Abiotic disorder
1 - Seasonal Leaf Drop, Abiotic disorder
9 - Natural Senescence, Abiotic disorder
2 - Poor Root Development, Abiotic disorder
1 - Growth Cracking, Abiotic pathology
1 - Tatters, Abiotic disorder
3 - Potassium Deficiency, Abiotic disorder
1 - Iron Deficiency, Abiotic disorder
1 - Iron; Manganese Deficiency, Abiotic disorder
3 - Nitrogen Deficiency, Abiotic disorder
1 - Nitrogen; Potassium Deficiency, Abiotic pathology
1 - Phosphorus Deficiency, Abiotic disorder
1 - Manganese Toxicity, Abiotic disorder
3 - Fluoride Toxicity, Abiotic disorder
1 - Chlorine Toxicity, Abiotic disorder
36 - Insufficient Sample, Identification Analysis

7 - Additional Sample Requested, Identification Analysis
1 - Undetermined Injury or Pest, Identification Analysis
4 - Adequate Sample, Identification Analysis
4 - Excessive Water, Abiotic disorder
1 - Root Rot, Unidentified Agent
1 - Unknown Bacterial Disease, Unknown Bacterial Disease
1 - Leaf Spot, Physiological Disorder
5 - Herbicide Carryover, Abiotic disorder
1 - Feeding injury, Undetermined
2 - Poor pollination, Abiotic disorder
3 - Dollar Spot, *Lanzia* sp./spp.
2 - Jelly Fungus, *Tremella* sp./spp.
1 - Physiological Drought, Abiotic disorder
1 - Puffballs, Multiple genera sp./spp.
1 - Gall, Unidentified agent
10 - Phytophthora Canker, *Phytophthora* sp./spp.
1 - Unidentified Insect, Unidentified Insect
1 - Oyster Mushroom, *Pleurotus ostreatus*
2 - Plant Identification, Identification analysis
1 - High pH; low soluble salt dam., Abiotic disorder
2 - Botrytis Bud and Twig Blight, *Botrytis cinerea*
16 - Abnormal Root Development, Unidentified Agent
1 - Bacterial Wilt, *Ralstonia solanacearum*
1 - Wood Rot Fungus, *Inonotus* sp./spp.
1 - Septoria Leaf Spot, *Septoria pisi*
1 - Yellow-bellied Sapsucker, *Sphyrapicus varius*
2 - Dogwood Powdery Mildew, *Erysiphe pulchra*
2 - sheath blight, Poaceae *Oryza sativa*
2 - soybean neocosmospora root rot, Nectriaceae
neocosmospora vasinfecta
2 - Wood Rot Fungus, *Perenniporia robiniophila*
1 - Cercospora Leaf Blight, *Cercospora kikuchii*

Plant Health Samples submitted

2719 Note: misspellings due to entry mistakes by submitters.

Plant Name	Sample Count
"Snow Ball"	1
?	2
??	1
?? Some type evergreen	1
???	1
Africian Violet	1
Ajuga	1
alfalfa	1
American Dogwood	1
American Holly	1
annual vinca	1
Apple	13
Apple Tree	11
Apples & Figs	1
Arbirovitate	1
Arbivorate	1
Arborviate ?	1
arborvitae	11
Arborvitae Verde Esmeralda	1
arbovitae	1
Arkansas Buckeye	1
aroid palm (tropical)	1
Ash Tree	1
Asparagus	2
aspidistra	1
Aucba	1
Aucuba	1
azaela	1
azalea	19
Azaleas	2
Azelea	1
balckberry	1
bald cypress	1
BANANA PEPPERS	1
Barberry	4
Bean	2
Beans	1
begonia	3
Bell Pepper	9
Bell Peppers	1
bent grass	3
bentgrass	7
bermuda	23

Bermuda and Zoysiagrass	1
bermuda grass	4
Bermuda hay field	1
Bermuda lawn	2
Bermudagrass	14
Better Boy Tomato	1
black berry	1
Blackberries	4
blackberry	16
Blue Atlas	1
Blue Point Juniper	1
Blue Spruce	1
Blueberries	2
Blueberry	11
Blueberry - Sample 2	1
Bluerries	1
Boxelder Tree	1
Boxwood	14
Bradford	1
Bradford Pear	18
Bradford Pear Tree	3
Bradford Pears	1
Bremuda	1
Broccoli	1
brugmansia	1
Brussell Sprouts	1
Burning Bush	1
Bush beans	1
Cabbage	1
Camelia	4
camelia sasanqua	1
camellia	21
camellia japonica	1
Canada Red Chokeberry	1
Cannas	1
canola	1
cantaloupe	12
canteloupe	1
cat brier	1
catsara,dogwood,flowering quince	1
& euonymus burnin	
Cedar	4
Cedar Shrub	1
cedar tree	1
cedar, evergreens	1
Centipede	8

Centipede grass	1
Centipede Sod	1
Centipedegrass	1
Cercis canadensis	1
Cherry	2
Cherry tree	1
Chicot County Sentinal Plot	1
Chinese Pistachio	1
Christmas cactus	1
chrysanthemum	1
citronella	1
clematis	2
Cleomi or Celosia? not sure	1
Clerodendrum	1
Clethera	1
Cleveland Pear	3
Coleus	1
Collard/Mustard green	1
Collards and turnips	1
Colorado Auspree	1
Common Bermuda	2
Common Bermuda	1
Common Dogwood	1
Compacta	1
Compacta Holly	1
Confederate Rose	1
corn	26
Cornus florida	1
Cornus kousa	1
Cotton	1
cottonwood	3
Crab Apple	1
Crabapple	1
crape myrtle	3
Creaping Juniper	1
Crenshaw Melons	1
Crepe Myrtle	6
Crytomeria	1
Cucumber	13
cucumbers	1
Curshaw Plant	1
Cushion Mum	1
Cypress	5
Cypress??	1
Dahlia	1
Daylily	2

Doesn't know	1
dogwood	44
Dogwood - American	3
Dogwood - Flowering	2
Dogwood tree	1
Dogwood, Cherokee Princess	1
Dogwood? I think	1
Dracena	1
Dwarf Apple Tree	1
dwarf Gardenia	1
dwarf holly	1
Dwarf Magnolia	2
Dwarf Mondo Grass	1
dwarf naandinas	1
Dwarf Yaupon Holly	1
Egg Plant	1
Eggplant	1
Elm	5
Elm tree	1
English Ivy	1
Eonomus	1
Euonymous	1
Euonymous(?)	1
Euonymus	1
Euonymus fortunei - Wintercreeper	1
Euonymus fortunei - Wintercreeper	1
euonymus	
euyonmus	1
Euyonomus	1
Evergreen	4
Evergreen (#2)	1
Evergreen ?	1
Evergreen shrub	1
Exxon Monticello	1
Fern	3
fescue	4
figus tree	1
Field Corn	5
Fig	2
fig and apple	1
fig tree houseplant	1
Fir	1
flower	3
Flowering dogwood	8
forsythia	1
Forthesia	1

Four O'Clocks	1
four o-clocks	1
French Scotch Pine; Douglas Fir	1
frost free hydragena	1
Fungus on Pine bark	1
g	1
Gardenia	11
geraniums	1
Gladiola	1
gladiolas	1
Gleditsia 'Shademaster'	1
Gold Bar	1
Gold Dust	1
Grain Sorghum	13
Grape	7
Grape Tomatoes	1
Grape vine	1
grapes	2
grass	14
Green Bean	1
Green Beans	6
Green Giant Arborvitae	1
Greens	1
Group V soybeans Asian Rust	1
Sample	
Group V soybeans Rust Sample	1
Gum	1
hagan japanese weeping cherry	1
Hawthorn	1
Herb	1
Hickory	2
Hollie	1
Holly	21
Holly - Burford	1
Holly?	1
Hollyhock	4
Honey Locust	1
Horticulture Bean	1
Horticulture or shelly beans	1
Hosta	4
Hot pepper	1
hybird tea roses	1
Hydrangea	8
hydrangeas	1
I'm not sure what it is	1
impatiens	2

In question	1
Indian hawthorn	1
Indian Hawthorne	1
Iris	3
irish potato	1
Irish Potato - White	1
Irish Potato,	1
Irish Potatoes	1
Italian Cypress	1
italian flat beans	1
Itea	1
Ivy	2
Ivy Geranium	2
Ivy/ornamental grape?	1
Jalapeno pepper	1
Jalepenos	1
jalpeno pepper	1
jap maple	1
Japanese Holly	1
Japanese maple	13
Japanese maple -Jennifer Wnuk	1
Japanese Maple and Miniature	1
Magnolia	
Japanese Yew	1
juniper	9
Juniper 'Moon Glow'	1
Korean Maple -Jennifer Wnuk	1
Kousa Dogwood	1
Kudzo	1
Kudzu	304
Kudzu 2 samples	1
Kudzu 2 samples for soybean rust	2
kudzu 2 samples	2
Kudzu 2 samples	1
Kudzu and soybeans	1
Kudzu sample for rust	1
Kudzu two different samples	1
kumkwat	1
Kwansan Cherry	1
Lady Banks Rose	1
Lamium maculatum	1
Lantana	2
Lawn	1
Leatherleaf Mahonia	1
Leland Cypress	2
Lemon	1

Leyland Cypress	6
Ligustrum	1
Lilac	3
liriope	1
Live Oak	1
loblolly pine	2
Loirepetalum	1
Magnoila	1
Magnolia	11
Magnolia & Holly	1
Magnolia x	1
Malva Sylvestris "Zebrina"	1
Mandavilla	1
mandevilla	1
Manhattan Hedge	1
Maple	24
Maple #1	1
Maple #2	1
Maple and Oak Trees	1
Maple Tree	1
Mayhall Tree	1
meyer lemon tree	1
Midget Globe Arborvitae	1
Mimosa	2
Minerature Gardenia	1
Miniature Magnolia	1
Minivedie	1
Mixed Grasses	1
Mock Orange	1
Mondo grass	1
Monkey Grass	1
mugo pine	1
mulch with growth	1
Mum	1
Muscadine	2
Muscadine Grapes	1
Muscadine/supernong	1
Mushroom or fungus	1
Mustard Greens	1
n/a	1
nandina	3
Nectarine	3
Need plant ID'd	1
Nemesia fruiticans	1
Nemesia hybrid	1
Not Positive	2

Not sure	1
Oak	41
Oak #2	1
Oak (species??)	1
Oak B	1
Oak Leaf Holly	1
oak leaf hydragena	1
Oak Leaf Hydrangea	1
Oak Tree	17
Oak Trees	1
oak, cedar, hickory	1
Oakleaf Hydrangea	1
Okra	9
onion	2
orchid	1
Oriental Maple	1
Ornamental	1
Ornamental Cherry	2
Ornamental Pear	7
ornamental sweet potato	1
Osmanthus americanus	1
otto lukyen laurel	1
Pachysandra	1
Pansies	2
pansy	5
Pansy XXL Mix	1
Pea	4
Peace Lilly	1
peach	18
Peach tree	5
Peaches	3
Pear	16
Pear Tree	3
pear tree limb	1
peas	2
pecan	16
Pecan Tree	10
Peony	2
pepper	21
peppers	2
petunia	4
petunias	2
Photinia	3
photinia glabra	1
Pigweed	1
Pin Oak	2

Pine	7
Pine Tree	3
Pine Trees	1
pink dogwood	3
Pinto Bean	1
Pinto Beans	2
Pittosorium	1
Plum	10
Plum Tree	3
Poinsettia	1
Poinsettias	3
Pole bean	1
pole beans	4
Pomegranate Tree	1
prickly pear cactus	1
Pumpkin	6
Pumpkin 1	1
Pumpkin 2	1
Purple Hull	1
Purple Hull Pea	1
purple hull peas	2
pyracantha	1
pyramidal arborvitae	1
quince	1
radish	1
Raspberry	1
Red Bell Pepper	1
Red Leaf Photenia	1
red maple	3
red oak	2
Red Oak Tree	1
Red Tip	1
Red Tip Photenia	1
Red Tip Photina	2
Red Tip Photinia	3
Red Tipped Photenia	1
Redbud	3
Redtip	1
Redtip Photina?	1
Rhapis palm	1
Rhododendron	1
rhododendron	1
Rhubarb	1
Rice	40
River Birch	3
Rose	13

Rose - Jackson & Perkins	1
Rose bush	5
Rose of Sharon	1
Rose Root	1
Rye Grass	2
salvia	1
Saucer Magnolia	1
Saw tooth oak	1
Shooting Star Hydragena	1
shrub	6
Shrub (1)	1
Shrub (2)	1
Shrub (3)	1
silver leaf maple	1
Snap Bean	2
Snowball	1
Snowball Bush	1
sod	2
sorgum	1
Southern magnolia	3
Southern Pea	1
Southern Peas	2
Soy Bean	6
Soy Bean 1	1
Soy Bean 2	1
Soy Bean 3	1
Soybeab	1
Soybean	423
Soybean sample 1	7
Soybean sample 2	7
Soybean sample 3	8
Soybean (DaVault)	1
Soybean (Greene 1)	1
Soybean (Greene 1-Miles)	1
Soybean (Greene 2)	2
Soybean (Greene 3)	1
Soybean (Greene-1)	1
Soybean (SBRVP Field)	1
Soybean (SBRVP)	1
Soybean - 2 Distretti	1
Soybean - Agee	3
Soybean - Sentinal Plots	1
Soybean - Davis	4
Soybean - Distretti	1
Soybean - Doug/Eaker	1
Soybean - Rust	2

Soybean - Rust Plots	2
Soybean - Sentinel Plot Sample	1
Soybean - Sparks	2
Soybean - Sparks/Arant	1
Soybean - Sparks/Bridge	1
Soybean - Wilkens	3
Soybean sentinal Plots	1
Soybean Law 2 am	1
Soybean Law 3 am	1
Soybean Law 4 am	1
Soybean R6	2
SOYBEAN RUST LEAF	2
SAMPLE	
Soybean Sample 1	4
Soybean sample 2	4
Soybean Sample 3	5
Soybean Sentinel Plot	1
soybean- Derek Hallum	1
soybean- McNulty 6-24-08	1
Soybean-Agee	1
soybean-ASR Grp5- Jeff3-2	1
Soybean-Centennial Plots	1
Soybean-Davis	1
Soybean-Distretti	1
Soybean-Justus	1
Soybean-Morsoy Rust Plot	1
Soybean-Pioneer Rust Plot	1
soybean-Smart 6-26-08	1
Soybeans	137
soybeans Maturity Group IV	1
soybean	1
spinach	1
spruce	7
Spruce?	1
Spuce	2
Squash	16
St Augustine	4
St Augustinegrass	1
St. Augustine	13
St. Augustinegrass	2
Std Rose	1
Sticker Bush	1
Strawberries	1
Strawberry	9
String Bean	1
STRING BEANS - POLE	1

Swamp white oak	1
Sweet Bell Pepper	1
sweet corn	8
Sweet Gum tree	2
sweet potato	2
sweet potato plant	1
SWEET POTATOE	1
Sweetbay Magnolia	3
Sycamore	2
sycamore tree	1
Syrnga	1
Tabebuia heterophylla	1
tall fescue	9
Taxus (yew)	2
TEST by Sherri	1
Thuja	2
Thuja (green giant)	1
Thuja?	1
Tiff Dwarf	1
Tiff-way 419	1
tiffway bermuda	1
tomatillo	1
Tomato	138
tomato leaves	1
Tomato Plant	5
Tomato Plants	1
Tomato-Pink	1
TOMATOE	6
Tomatoes	11
Tomatoes, Multiple Varities	1
Tomoto	1
Tree	12
Tropical	1
Tulip Magnilia	1
Tulip poplar	2
Tulip tree	1
Tulip tree/liriodendron	1
Tuplip Popular	1
Turf	1
Turfgrass/Sod	3
turnip	2
Turnip Green	1
turnip greens	3
Turnips	1
Unknown	1
Unknown	19

Variegated Chinese Privet	1
Variegated Younmous	1
Varigated Euonymus	1
various	1
Verbena	2
Vinca	8
Vinca (Catharanthus)	1
Vinca minor	2
Vinca, Periwinkle - annual	1
Walnut Tree	1
water oak	4
Watermelon	16
wax begonia	1
Weed?	1
Weeping Cherry	2
Weeping Mulberry	1
weigelia	1
Wheat	68
Wheat (20 acre Field)	1
Wheat (60 acre Field)	1
white dogwood	1
White Oak	5
White oak ?	1
White Pine	1
Wild Plum Tree	1
Wild violet	1
willow	1
Willow oak	2
willow tree	1
winter wheat	1
Wisteria	1
wtermelon	1
Yellow Poplar	2
Yew	3
Yew-	1
Youpan Holly	1
yucca	2
yuopon	1
Zinnia	2
Zoysia	55
Zoysia grass	4
zoysia/bermudagrass	1
zoysiagrass	12
Zoyzia	2
Zyosia	1

ELISA TESTS AVAILABLE IN THE CLINIC:

(A) Viral and fungal pathogens tested:

Wheat: Wheat Spindle Streak, Barley Yellow Dwarf, Wheat Soil-Borne Mosaic.

Tomato: Cucumber Mosaic, Tomato Spotted Wilt, Tomato Mosaic.

Soybean: Soybean Mosaic, Tobacco Ringspot, Asian Soybean Rust

Annuals: Tomato Spotted Wilt Spot, General Phytophthora screen.

Melon: General Potyvirus

Hosta: Hosta Virus X, General Potyvirus screen

Fruit Trees: Plum Pox, General Potyvirus screen

Ornamentals: General Phytophthora screen, Tomato Spotted Wilt, Impatiens Necrotic Spot

*The above ELISA tests use a microtiter plate format.

(B) Sudden Oak Death (SOD) Ornamentals: General Phytophthora Screen-microtiter plate format.

(C) Immunostrip and Quikstix formats currently used in the clinic include those for Cucumber Mosaic Virus, Tomato Spotted Wilt Virus, Tomato Mosaic Virus, and Asian Soybean Rust. This is a quick-test technology that gives positive or negative results in 15-20 minutes or less.

(D) Alert LF: These tests offer 2 minute detection of key fungal and viral pathogens in a lateral flow test format. The clinic used this technology to quickly test for Pythium, Phytophthora, Rhizoctonia, and Tomato Yellow Curl Virus.