

# PLANT DIAGNOSTIC CLINIC 2018



Ann Hazelrigg, Ph.D. – PDC Director  
Gabriella Maia, M.S. – Assistant Diagnostician

**Following report contains a summary of the samples submitted to the Plant Diagnostic Clinic from 01-Jan-2018 through 12/31/2018. A total of 334 sample(s) have been processed during this time period.**

---

**The following diagnosticians were involved in processing samples for the laboratory from 01-Jan-2018 through 31-Dec-2018.**

*This section reports samples from all the statuses. Each sample may involve one or more diagnosticians. Hence, this section may not represent the total number of samples processed during this time period.*

Margaret Skinner, processed 1 sample(s).
Extension Master Gardener, processed 2 sample(s).
Lisa Chouinard, processed 1 sample(s).
Gabriella Maia, processed 268 sample(s).
Ann Hazelrigg, processed 303 sample(s).

**The following Advisory Consultants provided advice for the laboratory from 01-Jan-2018 through 31-Dec-2018.**

*This section reports samples from all the statuses. Each sample may involve one or more advisory consultants. Hence, this section may not represent the total number of samples processed during this time period.*

Agdia ListServe, gave advice for 1 sample(s).
Erica Cummings, gave advice for 1 sample(s).
Great Lakes Veg ListServ, gave advice for 1 sample(s).
Margaret Skinner, gave advice for 11 sample(s).
Mark Starrett, gave advice for 4 sample(s).
Meg T. McGrath, gave advice for 1 sample(s).
Michael Sundue, gave advice for 2 sample(s).
Robert Wick, gave advice for 1 sample(s).
Sid Bosworth, gave advice for 1 sample(s).
Terry Bradshaw, gave advice for 2 sample(s).
Trish Hanson, gave advice for 2 sample(s).

**The following is the Sample Submission Breakdown for the laboratory.**

For there are 0 sample(s) pending, sample(s) preliminary, 334 sample(s) completed, 0 sample(s) archived.

**The following Personnel provided checked-in samples for the laboratory from 01-Jan-2018 through 31-Dec-2018.**

*This section reports sample check-in's performed only by diagnostician at laboratory. This section does not report the submitter check-in's. Hence, this section may not represent the total number of samples processed during this time period.*

Extension Master Gardener, processed 77 sample(s).
Gabriella Maia, processed 233 sample(s).
Lisa Chouinard, processed 24 sample(s).

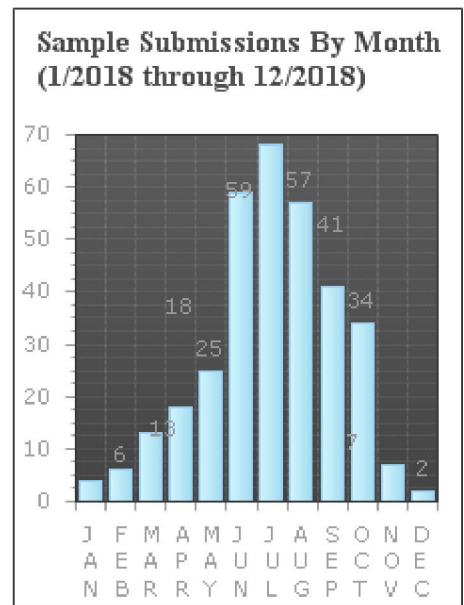
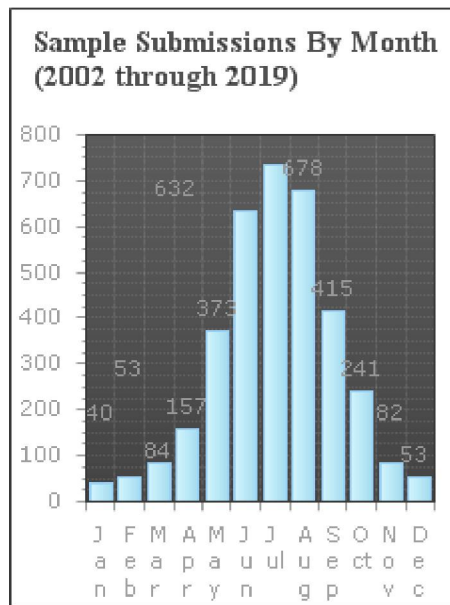
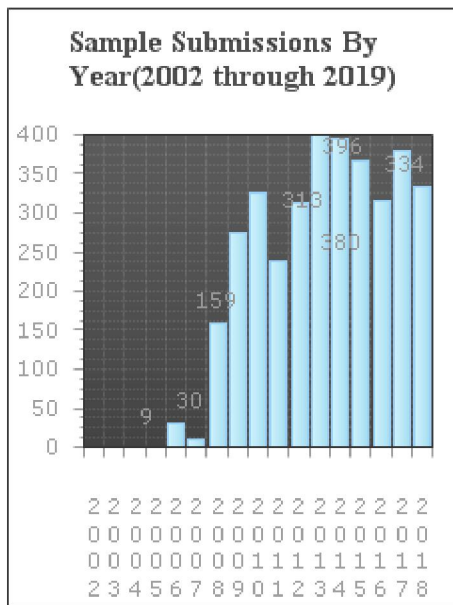
**The following Personnel provided Client responses by writing up samples for the laboratory from 01-Jan-2018 through 31-Dec-2018.**

*This section reports the personnel who have written the final reports for the samples from all the statuses during this time period. Hence, this section may not represent the total number of samples processed during this time period.*

No records to display.
------------------------

**Table 1. Number of Sample Submissions by Month from 01-Jan-2002 to present.**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2018	4	6	13	18	25	59	68	57	41	34	7	2	334
2017	6	5	12	20	68	60	53	63	53	25	9	6	380
2016	14	15	11	10	41	54	54	42	46	23	4	2	316
2015	0	6	8	16	44	54	72	69	58	26	8	5	366
2014	8	5	6	23	36	72	70	73	42	29	6	26	396
2013	3	5	8	25	36	74	102	66	47	22	8	4	400
2012	0	0	8	4	38	53	48	75	33	40	10	4	313
2011	4	2	7	12	21	45	35	63	25	20	4	1	239
2010	0	4	6	16	23	69	85	88	27	6	2	0	326
2009	0	3	5	9	24	44	96	48	36	3	6	0	274
2008	1	2	0	4	17	30	51	33	7	6	5	3	159
2007	0	0	0	0	0	1	0	1	0	7	0	0	9
2006	0	0	0	0	0	17	0	0	0	0	13	0	30
2005	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	0	0	0	0	0	0	0	0	0	0	0	0	0



**Table 2. Number of Sample Submissions by Client Type from 01-Jan-2018 through 31-Dec-2018 .**

*This section reports the number of clients for each client type for the samples submitted during this time period. Each sample may involve one or more clients. Hence, this section does not represent the total number of samples processed during this time period.*

Client Type	Count	%
Grower/Farmer	98	40.00
Homeowner/Home Gardener	60	24.49
Arborist	32	13.06
Left Blank	20	8.16
Researcher/Specialist	8	3.27
Agent/Educator	6	2.45
Landscaper	5	2.04
Company/Firm	4	1.63
Nursery	3	1.22
Greenhouse/Hydroponic	3	1.22
Crop Consultant	2	0.82
Individual	2	0.82
Forester	1	0.41
Other	1	0.41
Total	245	100%

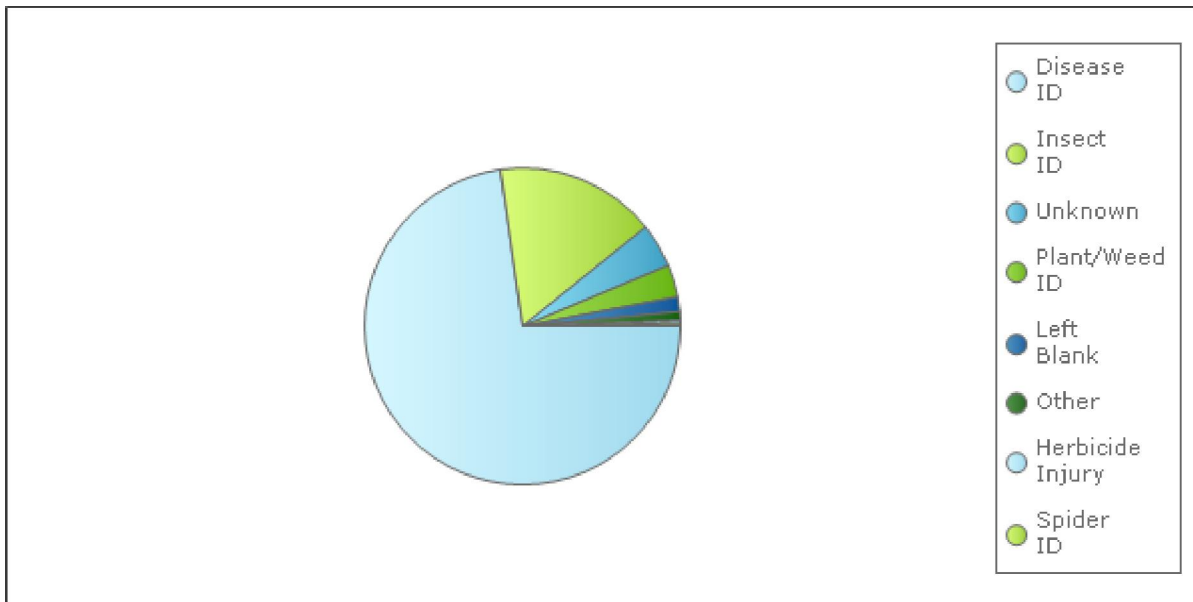
**Table 3. Samples originated from the following states and counties from 01-Jan-2018 through 31-Dec-2018.**

*This section reports the samples from all statuses. Hence, this section represents the total number of samples processed during this time period.*

State	County	Number of Samples
Unknown	Unknown	334
MA	STATE TOTAL	1
MA	Essex	1
NH	Grafton	1
NH	Cheshire	1
NH	STATE TOTAL	2
VT	Lamoille	11
VT	Addison	24
VT	Orange	9
VT	Caledonia	3
VT	Rutland	15
VT	Bennington	11
VT	Orleans	10
VT	Franklin	17
VT	Windsor	7
VT	Grand Isle	11
VT	STATE TOTAL	331
VT	Chittenden	160
VT	Washington	26
VT	Essex	1
VT	Windham	26

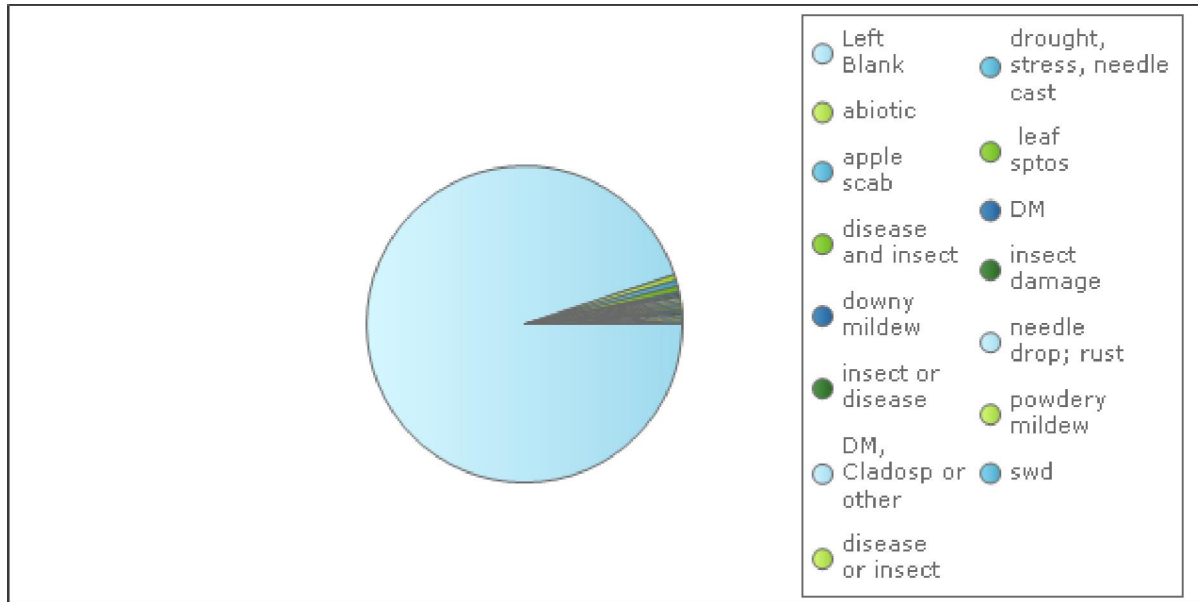
**Table 4. Number of Sample Submissions by Diagnosis Needed from 01-Jan-2018 through 31-Dec-2018.**

*This section reports diagnosis needed for the samples from all statuses. Hence, this section represents the total number of samples processed during this time period.*



Diagnosis Needed	Number of Samples	%
Disease ID	243	72.75
Insect ID	55	16.47
Unknown	15	4.49
Plant/Weed ID	11	3.29
Left Blank	5	1.50
Other	3	0.90
Herbicide Injury	1	0.30
Spider ID	1	0.30
Total	334	100%

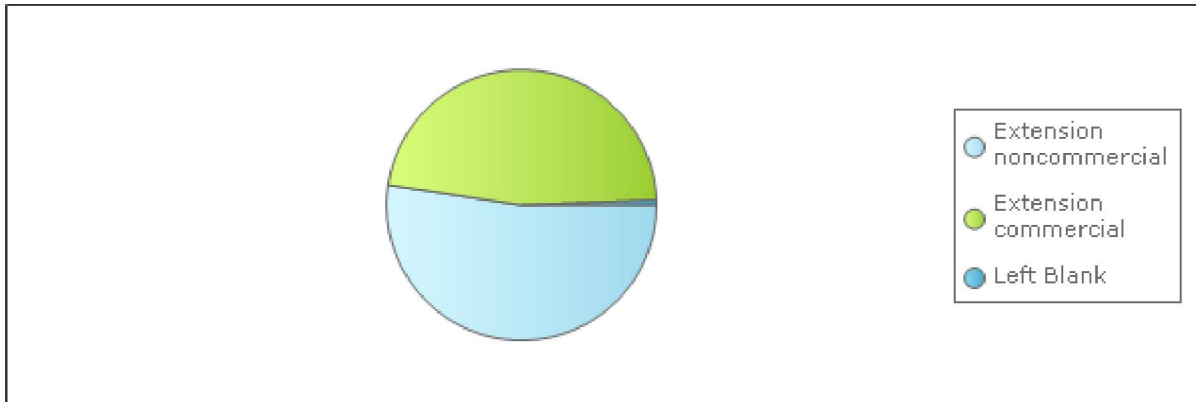
**Table 5. Number of Sample Submissions by Suspected Problem from 01-Jan-2018 through 31-Dec-2018 .**  
*This section reports suspected problem for the samples from all statuses. Hence, this section represents the total number of samples processed during this time period.*



Suspected Problem	Number of Samples	%
Left Blank	317	94.91
abiotic	2	0.60
apple scab	2	0.60
disease and insect	2	0.60
downy mildew	1	0.30
insect or disease	1	0.30
DM, Cladosp or other	1	0.30
disease or insect	1	0.30
drought, stress, needle cast	1	0.30
leaf sptos	1	0.30
DM	1	0.30
insect damage	1	0.30
needle drop; rust	1	0.30
powdery mildew	1	0.30
swd	1	0.30
Total	334	100%

**Table 6. Number of Sample Submissions by Sample Source from 01-Jan-2018 through 31-Dec-2018.**

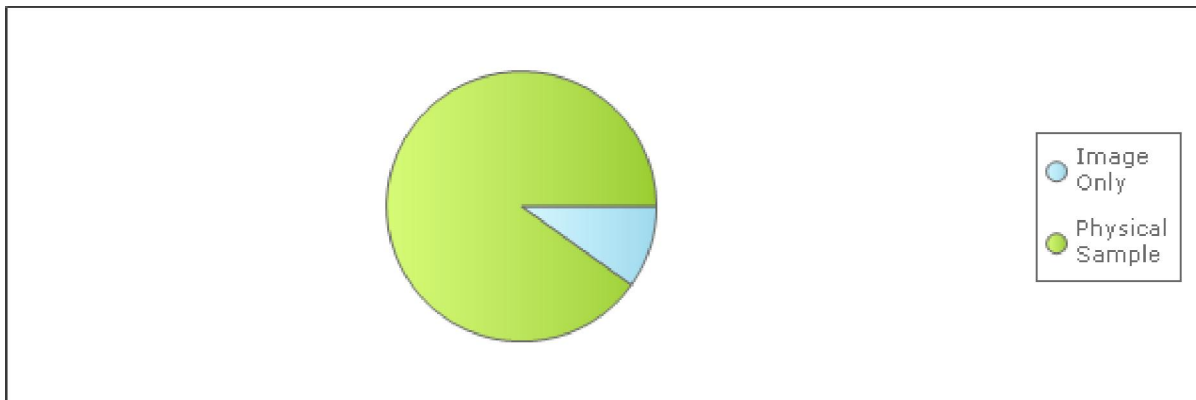
*This section reports sample source for the samples from all statuses. Hence, this section represents the total number of samples processed during this time period.*



Sample Source	Number of Samples	%
Extension noncommercial	175	52.40
Extension commercial	157	47.01
Left Blank	2	0.60
Total	334	100%

**Table 7. Number of Sample Submissions by Type of Sample from 01-Jan-2018 through 31-Dec-2018.**

*This section reports sample type for the samples from all statuses. Hence, this section represents the total number of samples processed during this time period.*



Sample Type	Number of Samples	%
Image Only	33	9.88
Physical Sample	301	90.12
Total	334	100%

**Table 8. Number of Sample Submissions by Sample Category from 01-Jan-2018 through 31-Dec-2018.**

*Notes: This section reports sample category for samples from all statuses. Hence, this section represents the total number of samples processed during this time period.*

Sample Category	Count	%
Vegetables	105	31.44
Woody ornamental -Deciduous	47	14.07
Woody ornamental - Evergreen	34	10.18
Fruit	34	10.18
InsectID	28	8.38
Perennial	24	7.19
Small Fruit	17	5.09
Annual	14	4.19
Field crops	14	4.19
Other\$Unknown plant	3	0.90
Turf	3	0.90
Small Grains - wheat,oats,barley	2	0.60
Forage	2	0.60
Other\$Plant ID	2	0.60
Other\$Spider id	1	0.30
Other\$Succulent	1	0.30
Mulch	1	0.30
Other\$phone call	1	0.30
Other\$plant i.d.	1	0.30
Total	334	100%

**Table 9. Number of Sample Submissions by Sample Material Submitted from 01-Jan-2018 through 31-Dec-2018.**

*Notes: This section reports sample material submitted for the samples from all statuses. Each sample may have one or more sample materials submitted. Hence, this section does not represent the total number of samples processed.*

Sample Material Submitted	Number of Samples
Leaves/needles	183
Entire plant	61
Adult Insect	24
Fruit/seed	29
Email	33
Branches/twigs	79
Roots	29
Other	4
Flowers	10
Stems	61
Turf plug	2
Insect Damage	3
Spider	1
Trunk section	2
Pupa	1
Telephone	1
Bark	3
Immature insect	4



**Table 10. Number of Sample Submissions and Diagnosis/ID by Host/Habitat from 01-Jan-2018 through 31-Dec-2018.**

*Notes: This section reports samples from all statuses. Each sample may have one or more diagnosis/identification and hence this section does not represent the total number of samples processed.*

	Confirmed	Not Detected	Suspected	Undetermined
<b>All Crops (general) (Host,Diagnosis/ID) (1,1)</b>				
Clammy goosefoot (Chenopodium pumilo)	1	0	0	0
<b>Allium; Onions; leeks; garlic (Allium sp./spp.) (Host,Diagnosis/ID) (2,4)</b>				
Abnormal plant growth (Abiotic disorder)	0	0	1	0
Cold wet soils (Abiotic disorder)	0	0	1	0
No pathogen found (Identification Analysis)	2	0	0	0
<b>Alyssum (Alyssum spp) (Host,Diagnosis/ID) (1,3)</b>				
Cold wet soils (Abiotic disorder)	0	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
<b>American Chestnut (Castanea dentata) (Host,Diagnosis/ID) (1,4)</b>				
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
Fusarium stem; Root rot (Fusarium sp./spp.)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Spider mites (Family Tetranychidae)	1	0	0	0
<b>American Plum (Prunus americana) (Host,Diagnosis/ID) (1,2)</b>				
Oriental fruit moth (Grapholita molesta)	0	0	2	0
<b>Anemone (Anemone sp./spp.) (Host,Diagnosis/ID) (1,1)</b>				
Short-winged blister beetle (Meloe augusticollis)	1	0	0	0
<b>Ant i.d. () (Host,Diagnosis/ID) (1,1)</b>				
Carpenter ant (Camponotus sp./spp.)	1	0	0	0
<b>Arborvitae (Thuja sp./spp.) (Host,Diagnosis/ID) (2,6)</b>				
Arborvitae needle blight (Phyllosticta thujae)	1	0	0	0
Chemical; Environmental injury (Abiotic disorder)	0	0	1	0
Freeze; Frost; Cold damage (Abiotic disorder)	0	0	1	0
Kabatina twig blight (Kabatina thujae)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Arugula (Eruca sativa) (Host,Diagnosis/ID) (1,1)</b>				
Additional sample requested (Identification Analysis)	1	0	0	0
<b>Ash (Fraxinus sp./spp.) (Host,Diagnosis/ID) (2,2)</b>				
Entomosporium leaf spot (Entomosporium sp./spp.)	1	0	0	0
Insufficient sample (Identification Analysis)	1	0	0	0
<b>Asparagus (Asparagus officinalis) (Host,Diagnosis/ID) (1,2)</b>				
Cercospora blight (Cercospora asparagi)	1	0	0	0

Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
<b>Asters (Aster sp./spp. hybrids) (Host,Diagnosis/ID) (1,2)</b>				
Fusarium root; Crown rot (Fusarium sp./spp.)	1	0	0	0
Rhizoctonia crown and stem rot (Rhizoctonia sp./spp.)	1	0	0	0
<b>Autumn Joy stonecrop (Sedum telephium 'autumn joy') (Host,Diagnosis/ID) (1,2)</b>				
Septoria leaf spot (Septoria sp./spp.)	1	0	0	0
Stem canker (Colletotrichum sp./spp.)	1	0	0	0
<b>Azalea; Rhododendron (Rhododendron sp./spp.) (Host,Diagnosis/ID) (4,9)</b>				
Azalea sawfly damage (Undetermined species) ()	1	0	0	0
Cultural/environmental problem (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	2	0	0	0
Powdery mildew (Erysiphe sp./spp.)	1	0	0	0
Root problem (Unknown Cause)	0	0	1	0
Scorch (Abiotic disorder)	0	0	1	0
Sooty mold (Unidentified Fungus)	1	0	0	0
<b>Balsam Fir (Abies balsamea) (Host,Diagnosis/ID) (3,11)</b>				
Balsam twig aphid (Mindarus pinicola (abietinus))	1	0	1	0
Cryptomeria scale (Aspidiotus cryptomeriae)	0	0	1	0
Cytospora canker; Dieback (Cytospora sp./spp.)	1	0	0	0
Fir broom rust (Melampsorella caryophyllacearum)	1	0	0	0
Insect damage (Unidentified Insect)	1	0	0	0
Needle cast (Lirula sp./spp.)	1	0	0	0
Rhizosphaera needle cast (Rhizosphaera sp./spp.)	3	0	0	0
Spider mites (Family Tetranychidae)	1	0	0	0
<b>Barley (Hordeum vulgare) (Host,Diagnosis/ID) (2,5)</b>				
Barley leaf rust (Puccinia hordei)	1	0	0	0
Insect damage (Unidentified Insect)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Powdery mildew (Blumeria graminis)	1	0	0	0
<b>Bean (Phaseolus sp./spp.) (Host,Diagnosis/ID) (3,8)</b>				
Fusarium seed rot (Decay) (Fusarium sp./spp.)	2	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	2	0	0	0
Penicillium seed rot; Seedling rot (Penicillium sp./spp.)	1	0	0	0
Seed discoloration (Alternaria sp./spp.)	1	0	0	0
Unspecified pathology (Rhizoctonia sp./spp.)	1	0	0	0
Unspecified pathology (Rhizopus sp./spp.)	1	0	0	0
<b>Beans; Peas; dolichos (Dolichos sp./spp.) (Host,Diagnosis/ID) (5,6)</b>				

Ascochyta blight (Ascochyta sp./spp.)	1	0	0	0
Bean anthracnose (Colletotrichum lindemuthianum)	1	0	0	0
Botrytis blight (Botrytis sp./spp.)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Rust (Uromyces sp./spp.)	1	0	0	0
<b>Begonia (Begonia sp./spp.) (Host,Diagnosis/ID) (2,5)</b>				
Additional sample requested (Identification Analysis)	1	0	0	0
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Powdery mildew (Unidentified Fungus)	1	0	0	0
<b>Bell Pepper (Capsicum annuum grossum) (Host,Diagnosis/ID) (3,10)</b>				
Blossom end rot (Abiotic disorder)	0	0	3	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	2	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Sunscald (Abiotic disorder)	0	0	2	0
Unspecified pathology (Alternaria sp./spp.)	1	0	0	0
<b>Black Raspberry (Rubus occidentalis) (Host,Diagnosis/ID) (1,3)</b>				
Cultural/environmental problem (Abiotic disorder)	0	0	1	0
Insect damage (Unidentified Insect)	0	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Blue Spruce (Picea pungens) (Host,Diagnosis/ID) (2,6)</b>				
Gypsy moth (Lymantria dispar)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Rhizosphaera needle cast (Rhizosphaera sp./spp.)	1	0	0	0
Spruce needle cushion rust (Chrysomyxa abietis)	1	0	0	0
Yellowheaded spruce sawfly (Pikonema alaskensis)	0	0	1	0
<b>Blueberry (Vaccinium sp./spp.) (Host,Diagnosis/ID) (5,11)</b>				
Additional sample requested (Identification Analysis)	1	0	0	0
Fruit flies (Family Drosophilidae)	0	0	1	0
No insect found (Identification Analysis)	3	0	0	0
No pathogen found (Identification Analysis)	2	0	0	0
No virus found (No Virus Found)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Phomopsis dieback; Tip blight; Canker (Phomopsis sp./spp.)	1	0	0	0
Twig blight (Fusicoccum sp./spp.)	1	0	0	0

<b>Boxwood (Buxus sp./spp.) (Host,Diagnosis/ID) (2,4)</b>				
Boxwood leafminer (Monarthropalpus flavus (buxi))	1	0	1	0
Dieback; Canker; Twig blight (Botryosphaeria sp./spp.)	1	0	0	0
Freeze; Frost; Cold damage (Abiotic disorder)	0	0	1	0
<b>Bridal Veil (Wreath) () (Host,Diagnosis/ID) (1,2)</b>				
Insufficient sample (Identification Analysis)	1	0	0	0
Undetermined injury (Identification Analysis)	1	0	0	0
<b>Broccoli (Brassica oleracea var. botrytis) (Host,Diagnosis/ID) (2,8)</b>				
Alternaria head rot (Alternaria sp./spp.)	1	0	0	0
Black mold (Alternaria sp./spp.)	1	0	0	0
Boron deficiency (Abiotic disorder)	0	0	1	0
Heat stress (Abiotic disorder)	0	0	2	0
Moisture stress (Abiotic disorder)	0	0	1	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	0	0	1	0
Nutrient imbalance (Abiotic disorder)	0	0	1	0
<b>Cabbage (Brassica oleracea var. capitata) (Host,Diagnosis/ID) (1,2)</b>				
Crucifer bacterial black rot (Xanthomonas campestris)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
<b>Carrot (Daucus carota sativus) (Host,Diagnosis/ID) (2,3)</b>				
Alternaria leaf blight (Alternaria sp./spp.)	1	0	0	0
Carrot rust fly (Psila rosae)	0	0	1	0
Cercospora leaf spot (Cercospora sp./spp.)	1	0	0	0
<b>Celery (Apium graveolens dulce) (Host,Diagnosis/ID) (1,4)</b>				
Celery blackheart (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
<b>Cinnamon Tree (Cinnamomum zeylanicum) (Host,Diagnosis/ID) (1,3)</b>				
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0
Scale insects (Order Homoptera)	1	0	0	0
<b>Collards (Brassica oleracea var. acephala) (Host,Diagnosis/ID) (1,2)</b>				
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Commercial Building (habitat) (Host,Diagnosis/ID) (1,1)</b>				
Brown prionid (Orthosoma brunneum)	1	0	0	0
<b>Common Apple (Malus sylvestris) (Host,Diagnosis/ID) (4,8)</b>				
Apple scab (Venturia inaequalis)	2	0	0	0
Dieback; Canker; Twig blight (Botryosphaeria sp./spp.)	0	0	1	0
Drought stress damage (Abiotic disorder)	0	0	1	0

Frogeye leaf spot; Black rot ( <i>Botryosphaeria obtusa</i> )	0	0	1	0
Insufficient sample (Identification Analysis)	1	0	0	0
Sooty mold (Unidentified Fungus)	1	0	0	0
Tiger moth ( <i>Apantesis</i> sp./spp.)	0	0	1	0
<b>Conifers: Softwoods (Coniferous evergreens) (Host,Diagnosis/ID) (2,5)</b>				
Additional sample requested (Identification Analysis)	1	0	0	0
Cultural/environmental problem (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
<b>Corkscrew Willow; dragon cl. willow (<i>Salix matsudana tortuosa</i>) (Host,Diagnosis/ID) (1,1)</b>				
Crown gall ( <i>Agrobacterium</i> sp./spp.)	1	0	0	0
<b>Corn (seed) (<i>Zea mays</i>) (Host,Diagnosis/ID) (2,6)</b>				
Confused flour beetle ( <i>Tribolium confusum</i> )	1	0	0	0
Fusarium surface rot ( <i>Fusarium</i> sp./spp.)	1	0	0	0
Grain beetle ( <i>Cryptolestes</i> sp./spp.)	1	0	0	0
Penicillium seed rot; Seedling rot ( <i>Penicillium</i> sp./spp.)	1	0	0	0
Storage mold ( <i>Aspergillus</i> sp./spp.)	1	0	0	0
Unspecified pathology ( <i>Rhizopus</i> sp./spp.)	1	0	0	0
<b>Corn (<i>Zea mays</i>) (Host,Diagnosis/ID) (5,9)</b>				
Corn eyespot ( <i>Kabatiella zeae</i> )	2	0	0	0
Insect damage (Unidentified Insect)	1	0	0	0
No insect found (Identification Analysis)	2	0	0	0
No pathogen found (Identification Analysis)	3	0	0	0
Nutrient imbalance (Abiotic disorder)	0	0	1	0
<b>Cosmos (<i>Cosmos atrosanguineus</i>) (Host,Diagnosis/ID) (1,1)</b>				
Alternaria leaf blight ( <i>Alternaria</i> sp./spp.)	1	0	0	0
<b>Crabapple (<i>Malus</i> sp./spp.) (Host,Diagnosis/ID) (6,16)</b>				
Additional sample requested (Identification Analysis)	1	0	0	0
Apple scab ( <i>Venturia inaequalis</i> )	4	0	0	0
Cedar-apple rust ( <i>Gymnosporangium juniperi-virginianae</i> )	2	0	1	0
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
Frogeye leaf spot; Black rot ( <i>Botryosphaeria obtusa</i> )	1	0	1	0
Insect damage (Unidentified Insect)	1	0	0	0
Insufficient sample (Identification Analysis)	1	0	0	0
Lichens (Lichenes)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Cucumber () (Host,Diagnosis/ID) (1,4)</b>				
Cladosporium leaf spot ( <i>Cladosporium</i> sp./spp.)	1	0	0	0

Common thrips (Family Thripidae)	1	0	0	0
Poor pollination (Abiotic disorder)	0	0	1	0
Twospotted spider mite (Tetranychus urticae)	1	0	0	0
<b>Cucumber (Cucumis sativus) (Host,Diagnosis/ID) (7,11)</b>				
Cucurbit bacterial wilt (Erwinia tracheiphila)	1	0	0	0
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
Fusarium stem rot (Fusarium sp./spp.)	1	0	0	0
Mechanical damage (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	2	0	0	0
Nutrient imbalance (Abiotic disorder)	0	0	1	0
Poor pollination (Abiotic disorder)	0	0	2	0
Squash bug (Anasa tristis)	1	0	0	0
<b>Cucumis Melons (Cucumis sp./spp.) (Host,Diagnosis/ID) (1,2)</b>				
No pathogen found (Identification Analysis)	1	0	0	0
Squash bug (Anasa tristis)	1	0	0	0
<b>Cucurbits (Family cucurbitaceae) (Host,Diagnosis/ID) (1,1)</b>				
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
<b>Currant; Gooseberry (Ribes sp./spp.) (Host,Diagnosis/ID) (1,1)</b>				
Currant borer (Synanthedon tipuliformis)	0	0	1	0
<b>Dahlia (Dahlia sp./spp.) (Host,Diagnosis/ID) (1,4)</b>				
Drought stress damage (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Nutrient imbalance (Abiotic disorder)	0	0	1	0
<b>Dogwood (Cornus sp./spp.) (Host,Diagnosis/ID) (1,3)</b>				
Lichens (Lichenes)	1	0	0	0
Root problem (Unknown Cause)	0	0	1	0
Scorch (Abiotic disorder)	0	0	1	0
<b>Domestic Apple (Malus domestica) (Host,Diagnosis/ID) (12,27)</b>				
Additional sample requested (Identification Analysis)	1	0	0	0
Apple maggot (Rhagoletis pomonella)	0	0	3	0
Apple scab (Venturia inaequalis)	4	0	1	0
Apple Shot-hole borer (Undetermined sp.) ()	0	0	1	0
Apple-and-thorn skeletonizer (Choreutis pariana)	0	0	3	0
Canker (Unidentified Agent)	1	0	0	0
Crown gall (Agrobacterium sp./spp.)	1	0	0	0
Cultural/environmental problem (Abiotic disorder)	0	0	1	0
Heart rot (Unidentified Agent)	1	0	0	0
Insect damage (Unidentified Insect)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes;	0	0	1	0

Unspecif.)				
Poor growing conditions (Abiotic disorder)	0	0	2	0
Poor pruning practice (Abiotic disorder)	0	0	2	0
Poor root development (Abiotic disorder)	1	0	1	0
Roundheaded appletree borer (Saperda candida)	0	0	1	0
Stink bug damage (Unidentified Stink Bug)	0	0	1	0
<b>Double Impatiens (Impatiens walleriana) (Host,Diagnosis/ID) (1,4)</b>				
Abnormal plant growth (Abiotic disorder)	0	0	0	1
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Dracaena (Dracaena sp./spp.) (Host,Diagnosis/ID) (1,3)</b>				
Fusarium leaf spot (Fusarium sp./spp.)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	0	0	1	0
<b>Eastern White pine (Pinus strobus) (Host,Diagnosis/ID) (1,3)</b>				
Needle blight (Mycosphaerella sp./spp.)	1	0	0	0
No nematode found (No Nematode Found)	1	0	0	0
Spider mites (Family Tetranychidae)	1	0	0	0
<b>Eggplant (Solanum melogena) (Host,Diagnosis/ID) (3,8)</b>				
Cultural/environmental problem (Abiotic disorder)	0	0	1	0
Environmental stress; Problem (Abiotic disorder)	0	0	2	0
No insect found (Identification Analysis)	2	0	0	0
No pathogen found (Identification Analysis)	3	0	0	0
<b>Elm (Ulmus sp./spp.) (Host,Diagnosis/ID) (3,4)</b>				
Dutch elm disease (Ophiostoma sp./spp.)	2	0	0	0
Verticillium wilt (Verticillium sp./spp.)	2	0	0	0
<b>Fallow Field; idle land (habitat) (Host,Diagnosis/ID) (1,1)</b>				
Cecropia moth (Hyalophora cecropia)	1	0	0	0
<b>Ferns (Ferns; various genera sp./spp.) (Host,Diagnosis/ID) (1,4)</b>				
fern sawfly larvae (Undetermined) ()	1	0	0	0
Fern sporangia ()	1	0	0	0
Flowering ferns (Family Osmundaceae)	0	0	1	0
Normal plant growth (Identification Analysis)	1	0	0	0
<b>Fir (Abies sp./spp.) (Host,Diagnosis/ID) (3,7)</b>				
Cultural/environmental problem (Abiotic disorder)	0	0	1	0
Elongate hemlock scale (Fiorinia externa)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0

Rhizosphaera needle cast (Rhizosphaera sp./spp.)	1	0	0	0
Spider mite injury (Unidentified Spider Mite)	1	0	0	0
<b>Forsythia; Golden bells (Forsythia sp./spp.)</b> (Host,Diagnosis/ID) (1,2)				
Herbicide injury; Exposure (Abiotic disorder)	0	0	1	0
Spider mites (Family Tetranychidae)	0	0	0	1
<b>Fuchsia (Fuchsia sp./spp.)</b> (Host,Diagnosis/ID) (1,3)				
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Garden Leek (Allium porrum)</b> (Host,Diagnosis/ID) (1,1)				
Leek moth (Acrolepiopsis assectella)	1	0	0	0
<b>Garlic ()</b> (Host,Diagnosis/ID) (1,2)				
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Garlic (Allium sativum)</b> (Host,Diagnosis/ID) (3,6)				
Bulb mite (Rhizoglyphus sp./spp.)	0	0	1	0
Bulb; Stem nematodes (Ditylenchus sp./spp.)	1	0	0	0
Fusarium basal rot (Fusarium sp./spp.)	1	0	0	0
Fusarium dry rot; Bulb rot (Fusarium sp./spp.)	0	0	1	0
Leek moth (Acrolepiopsis assectella)	0	0	1	0
Nutrient imbalance (Abiotic disorder)	0	0	1	0
<b>Geranium (Geranium sp./spp.)</b> (Host,Diagnosis/ID) (1,3)				
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Grape (Vitis sp./spp.)</b> (Host,Diagnosis/ID) (4,9)				
Dieback; Canker; Twig blight (Botryosphaeria sp./spp.)	1	0	1	0
Gallmaking midges (Family Cecidomyiidae)	1	0	0	0
Leafblotch leafminers (Family Gracillariidae)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	2	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Shield bearers (Moths) (Family Heliozelidae)	0	0	1	0
<b>Greenhouse Plants (general)</b> (Host,Diagnosis/ID) (1,1)				
Wireworms (Click beetles) (Family Elateridae)	1	0	0	0
<b>Groundcherry (Physalis sp./spp.)</b> (Host,Diagnosis/ID) (1,4)				
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Undetermined injury (Identification Analysis)	0	0	0	1



<b>Habanero Pepper; datil pepper (Capsicum chinense)</b>				
<i>(Host,Diagnosis/ID) (1,2)</i>				
Insect damage (Unidentified Insect)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
<b>Hawthorn (Crataegus sp./spp.) (Host,Diagnosis/ID) (1,2)</b>				
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Hay; Straw (Poaceae sp./spp.) (Host,Diagnosis/ID) (1,1)</b>				
Carolina horsenettle (Solanum carolinense)	1	0	0	0
<b>Hemlock (Tsuga sp./spp.) (Host,Diagnosis/ID) (5,13)</b>				
Environmental stress; Problem (Abiotic disorder)	0	0	2	0
Insect damage (Unidentified Insect)	0	0	1	0
No insect found (Identification Analysis)	2	0	0	1
No pathogen found (Identification Analysis)	5	0	0	0
Spider mite injury (Unidentified Spider Mite)	1	0	0	0
Spider mites (Family Tetranychidae)	1	0	0	0
<b>Hemp (Cannabis sativa) (Host,Diagnosis/ID) (3,6)</b>				
Botrytis blight (Botrytis sp./spp.)	1	0	0	0
European corn borer (Ostrinia nubilalis)	1	0	0	0
Insect damage (Unidentified Insect)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Scorch (Abiotic disorder)	0	0	1	0
<b>Hibiscus (Hibiscus sp./spp.) (Host,Diagnosis/ID) (1,1)</b>				
Hibiscus sawfly (Hollyhock) (Atomacera decepta)	0	0	1	0
<b>Home and garden (habitat) (Host,Diagnosis/ID) (5,5)</b>				
Devil's darning needles; Virgin's bower (Clematis virginiana)	1	0	0	0
Knotweed (Polygonum sp./spp.)	1	0	0	0
Nutrient imbalance (Abiotic disorder)	0	0	1	0
Oriental bittersweet (Celastrus orbiculatus)	1	0	0	0
White ash (Fraxinus americana)	1	0	0	0
<b>Hops (Humulus lupulus) (Host,Diagnosis/ID) (2,4)</b>				
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Stem canker (Fusarium sp./spp.)	1	0	0	0
<b>Household; Domestic dwellings (habitat) (Host,Diagnosis/ID) (7,8)</b>				
Boxelder bug (Boisea (Leptocoris) trivittata)	1	0	0	0
Brown marmorated stink bug (Halyomorpha halys)	1	0	2	0
Coreid bugs (Family Coreidae)	1	0	0	0
Earwigs (Order Dermaptera)	0	0	1	0

Ichneumons (Wasps) (Family Ichneumonidae)	1	0	0	0
Western conifer seed bug (Leptoglossus occidentalis)	1	0	0	0
<b>Hydrangea (Hydrangea sp./spp.) (Host,Diagnosis/ID) (2,5)</b>				
Dodder (Cuscuta sp./spp.)	1	0	0	0
Drought stress damage (Abiotic disorder)	0	0	1	0
Leaf scorch (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Insect Id request (general) (Host,Diagnosis/ID) (13,14)</b>				
Acarid mites (Family Acaridae)	1	0	0	0
Brown marmorated stink bug (Halyomorpha halys)	1	0	0	0
Brown prionid (Orthosoma brunneum)	1	0	0	0
Carpet beetles (Family Dermestidae)	2	0	0	0
Fall webworm (Hyphantria cunea)	1	0	0	0
Formicid ant (Formica sp./spp.)	1	0	0	0
Hickory tussock moth (Lophocampa caryae)	1	0	0	0
Larder beetle (Dermestes lardarius)	1	0	0	0
Pleasing fungus beetles (Coleoptera sp./spp.)	1	0	0	0
Redhumped caterpillar (Schizura concinna)	1	0	0	0
Rose chafer (Macroductylus subspinosa)	0	0	1	0
Tomato hornworm (Manduca quinquemaculata)	1	0	0	0
Warehouse beetle (Trogoderma variabile)	1	0	0	0
<b>Iris (Iris sp./spp.) (Host,Diagnosis/ID) (1,1)</b>				
Neorthochaeta dissimilis ()	0	0	1	0
<b>Japanese Maple (Acer palmatum) (Host,Diagnosis/ID) (1,3)</b>				
Insect damage (Unidentified Insect)	0	0	1	0
Leaf scorch (Abiotic disorder)	0	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Juniper (Juniperus sp./spp.) (Host,Diagnosis/ID) (1,3)</b>				
Kabatina twig blight (Kabatina thujae)	1	0	0	0
Pestalotia dieback (Pestalotia sp./spp.)	1	0	0	0
Phomopsis tip blight; Needle blight (Phomopsis juniperovora)	1	0	0	0
<b>Kalanchoe (Kalanchoe sp./spp.) (Host,Diagnosis/ID) (1,3)</b>				
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Oedema; Edema (Abiotic disorder)	0	0	1	0
<b>Koa Haole (Leucaena leucocephala) (Host,Diagnosis/ID) (1,3)</b>				
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Korean Lilac (Syringa velutina) (Host,Diagnosis/ID) (1,3)</b>				
No insect found (Identification Analysis)	1	0	0	0

	1	0	0	0
Root problem (Unknown Cause)	0	0	1	0
<b>Korean Mountain ash (<i>Sorbus alnifolia</i>) (Host,Diagnosis/ID) (1,2)</b>				
Dieback; Canker ( <i>Nectria</i> sp./spp.)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
<b>Larkspur (<i>Delphinium</i> spp) (Host,Diagnosis/ID) (1,1)</b>				
Cyclamen mite ( <i>Phytonemus</i> ( <i>Steneotarsonemus</i> ) <i>pallidus</i> )	0	0	1	0
<b>Leek (<i>Allium porrum</i>) (Host,Diagnosis/ID) (1,1)</b>				
Thrips ( <i>Thrips</i> sp./spp.)	1	0	0	0
<b>Lemon (<i>Citrus limon</i>) (Host,Diagnosis/ID) (1,2)</b>				
Fusarium stem rot ( <i>Fusarium</i> sp./spp.)	1	0	0	0
Poor root development (Abiotic disorder)	0	0	1	0
<b>Lettuce (<i>Lactuca sativa</i>) (Host,Diagnosis/ID) (2,5)</b>				
Botrytis damping off ( <i>Botrytis</i> sp./spp.)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
Rhizoctonia root; Crown rot ( <i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Root rot ( <i>Thielaviopsis</i> sp./spp.)	1	0	0	0
Undetermined injury (Identification Analysis)	1	0	0	0
<b>Lilac (<i>Syringa</i> sp./spp.) (Host,Diagnosis/ID) (2,4)</b>				
Drought stress damage (Abiotic disorder)	0	0	1	0
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
Insect damage (Unidentified Insect)	0	0	1	0
Insufficient sample (Identification Analysis)	1	0	0	0
<b>Lisianthus (<i>Lisianthus</i> sp./spp.) (Host,Diagnosis/ID) (1,3)</b>				
Fusarium root; Crown rot ( <i>Fusarium</i> sp./spp.)	1	0	0	0
Poor root development (Abiotic disorder)	1	0	0	0
Thrips damage (Unidentified Thrips)	1	0	0	0
<b>Magnolia (<i>Magnolia</i> sp./spp.) (Host,Diagnosis/ID) (1,1)</b>				
Magnolia scale ( <i>Neolecanium cornuparvum</i> )	1	0	0	0
<b>Maple (<i>Acer</i> sp./spp.) (Host,Diagnosis/ID) (6,12)</b>				
Drought stress damage (Abiotic disorder)	0	0	1	0
Gall mites (Family Eriophyidae)	1	0	0	0
Maple anthracnose ( <i>Aureobasidium apocryptum</i> )	0	0	1	0
Maple bladder gall mite ( <i>Vasates quadripedes</i> )	0	0	1	0
Maple leafcutter ( <i>Paraclemensia acerifoliella</i> )	2	0	0	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Phyllosticta leaf spot ( <i>Phyllosticta</i> sp./spp.)	3	0	0	0
Sooty mold (Unidentified Fungus)	1	0	0	0
<b>Marigold (<i>Tagetes</i> sp./spp.) (Host,Diagnosis/ID) (1,3)</b>				
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0

Unspecif.)	1	0	0	0
<b>May Hawthorne (Crataegus aestivalis) (Host,Diagnosis/ID) (2,3)</b>				
Cedar-quince rust (Gymnosporangium clavipes)	0	0	1	0
Entomosporium leaf spot (Entomosporium sp./spp.)	1	0	0	0
Insect damage (Unidentified Insect)	0	0	0	1
<b>Melon; Armenian cucumber (Cucumis melo) (Host,Diagnosis/ID) (1,1)</b>				
Cultural/environmental problem (Abiotic disorder)	1	0	0	0
<b>Meyer Lemon (Citrus meyeri) (Host,Diagnosis/ID) (1,4)</b>				
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Nutrient imbalance (Abiotic disorder)	0	0	1	0
Poor root development (Abiotic disorder)	1	0	0	0
<b>Milkweed (asclepiaceae) (Host,Diagnosis/ID) (1,1)</b>				
Cercospora leaf spot (Cercospora sp./spp.)	1	0	0	0
<b>Million Bells (Calibrachoa sp./spp.) (Host,Diagnosis/ID) (1,3)</b>				
Cultural/environmental problem (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Mixed Plant material (unspecified) (Host,Diagnosis/ID) (1,2)</b>				
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Mixture; Spruce; fir (Picea; abies sp./spp.) (Host,Diagnosis/ID) (2,7)</b>				
Drought stress damage (Abiotic disorder)	0	0	1	0
Eastern spruce gall adelgid (Adelges abietis)	0	0	1	0
Leaf spot (Stigmina sp./spp.)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Rhizosphaera needle cast (Rhizosphaera sp./spp.)	1	0	0	0
Spider mites (Family Tetranychidae)	1	0	1	0
<b>Mockorange (Philadelphus sp./spp.) (Host,Diagnosis/ID) (1,2)</b>				
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Mugo Pine; swiss mountain pine (Pinus mugo) (Host,Diagnosis/ID) (1,3)</b>				
Freeze; Frost; Cold damage (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Ninebark (Physocarpus opulifolius) (Host,Diagnosis/ID) (1,1)</b>				
Powdery mildew (Unidentified Fungus)	1	0	0	0
<b>Norway Spruce () (Host,Diagnosis/ID) (1,3)</b>				
Freeze; Frost; Cold damage (Abiotic disorder)	0	0	1	0
Rhizosphaera needle cast (Rhizosphaera sp./spp.)	1	0	0	0
Stigmina needle blight (Stigmina sp.) ()	1	0	0	0

<b>Oak (Quercus sp./spp.) (Host,Diagnosis/ID) (3,4)</b>				
Cynipid gall wasps (Acraspis sp./spp.)	0	0	1	0
Insect gall (Insect Gall)	0	0	0	1
Oak twig gall wasp (Neuroterus distortus)	0	0	1	0
Woolly oak gall (Callirhytis lanata)	0	0	1	0
<b>Onion (Allium cepa) (Host,Diagnosis/ID) (2,3)</b>				
Fusarium basal rot (Fusarium sp./spp.)	1	0	0	0
Leek moth (Acrolepiopsis assectella)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
<b>Pachysandra (Pachysandra sp./spp.) (Host,Diagnosis/ID) (2,3)</b>				
Euonymus scale (Unaspis euonymi)	1	0	0	0
Volutella leaf blight; Dieback (Volutella sp./spp.)	2	0	0	0
<b>Parsnip () (Host,Diagnosis/ID) (1,3)</b>				
Fusarium stem; Root rot (Fusarium sp./spp.)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
Rhizoctonia crown and stem rot (Rhizoctonia sp./spp.)	1	0	0	0
<b>Parsnip (Pastinaca sativa) (Host,Diagnosis/ID) (1,4)</b>				
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Nutrient imbalance (Abiotic disorder)	0	0	1	0
<b>Pasture (habitat) (Host,Diagnosis/ID) (1,3)</b>				
Fusarium root; Crown rot (Fusarium sp./spp.)	1	0	0	0
Rhizoctonia root; Crown rot (Rhizoctonia sp./spp.)	1	0	0	0
Snow mold (Typhula sp./spp.)	1	0	0	0
<b>Peach (Prunus persica) (Host,Diagnosis/ID) (4,6)</b>				
Freeze; Frost; Cold damage (Abiotic disorder)	0	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	2	0	0	0
Peach leaf curl (Taphrina deformans)	1	0	0	0
Winter injury (Abiotic disorder)	0	0	1	0
<b>Pear (ornamental) (Pyrus sp./spp.) (Host,Diagnosis/ID) (3,6)</b>				
Black knot (Apiosporina morbosa)	0	0	0	1
Entomosporium leaf spot (Entomosporium sp./spp.)	1	0	0	0
Pear sawfly (Caliroa cerasi)	0	0	1	0
Pear scab (Venturia pyrina)	2	0	0	0
Unspecified pathology (Colletotrichum sp./spp.)	1	0	0	0
<b>Peony (Paeonia sp./spp.) (Host,Diagnosis/ID) (1,1)</b>				
Foliar nematodes (Family Aphelenchoididae)	0	0	1	0
<b>Pepper (Capsicum annuum) (Host,Diagnosis/ID) (1,1)</b>				

Sunscald (Abiotic disorder)	0	0	1	0
<b>Pepper (Capsicum sp./spp.) (Host,Diagnosis/ID) (3,7)</b>				
Alternaria fruit rot and spot (Alternaria sp./spp.)	0	0	1	0
Broad mite (Polyphagotarsonemus latus)	0	0	1	0
Chemical; Environmental injury (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	2	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
<b>Pepper (ornamental) (Capsicum sp./spp.) (Host,Diagnosis/ID) (1,3)</b>				
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Petunias (Petunia sp./spp. hybrids) (Host,Diagnosis/ID) (1,2)</b>				
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Phlox (Phlox sp./spp.) (Host,Diagnosis/ID) (2,6)</b>				
Herbicide injury; Exposure (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No nematode problem detected (No Nematode Problem Detected)	0	1	0	0
No pathogen found (Identification Analysis)	2	0	0	0
Spider mites (Family Tetranychidae)	1	0	0	0
<b>Pin Oak (Quercus palustris) (Host,Diagnosis/ID) (1,1)</b>				
Leaf spot (Tubakia sp./spp.)	1	0	0	0
<b>Pine (Pinus sp./spp.) (Host,Diagnosis/ID) (3,4)</b>				
Dothistroma needle blight (Dothistroma sp./spp.)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Pine weevils (Family Curculionidae)	0	0	1	0
<b>Plum (Prunus sp./spp.) (Host,Diagnosis/ID) (1,1)</b>				
Linden /basswood spindle gall mite (Eriophyes abnormis)	0	0	1	0
<b>Potato (Solanum tuberosum) (Host,Diagnosis/ID) (2,3)</b>				
Bacterial soft rot (Erwinia sp./spp.)	0	0	1	0
Fusarium rot (Fusarium sp./spp.)	1	0	0	0
Tarnished plant bug (Lygus lineolaris)	1	0	0	0
<b>Privet (Ligustrum sp./spp.) (Host,Diagnosis/ID) (1,1)</b>				
Cercospora leaf spot (Cercospora sp./spp.)	1	0	0	0
<b>Radish (Raphanus sativus) (Host,Diagnosis/ID) (2,5)</b>				
Alternaria leaf spot (Alternaria sp./spp.)	1	0	0	0
Insect damage (Unidentified Insect)	0	0	0	1
No insect found (Identification Analysis)	2	0	0	0

No pathogen found (Identification Analysis)	1	0	0	0
<b>Raspberry (Rubus sp./spp.)</b> (Host,Diagnosis/ID) (4,4)				
Additional sample requested (Identification Analysis)	0	0	0	1
Spotted wing Drosophila (Drosophila suzukii)	0	0	1	0
Spur; Cane blight (Didymella applanata)	0	0	2	0
<b>Red Northern currant (Ribes rubrum)</b> (Host,Diagnosis/ID) (1,1)				
Currant aphid (Cryptomyzus ribis)	0	0	1	0
<b>Rose (Rosa sp./spp.)</b> (Host,Diagnosis/ID) (1,1)				
Roseslug (Endelomyia sp./spp.)	0	0	1	0
<b>Rutabaga; Swedish turnip (Brassica napus var. napobrassica)</b> (Host,Diagnosis/ID) (1,2)				
Boron deficiency (Abiotic disorder)	0	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Salvia; Sage (Salvia sp./spp.)</b> (Host,Diagnosis/ID) (1,4)				
Crown and stem rot (Fusarium sp./spp.)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Rhizoctonia crown and stem rot (Rhizoctonia sp./spp.)	1	0	0	0
<b>Serviceberry (Amelanchier sp./spp.)</b> (Host,Diagnosis/ID) (1,3)				
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Soil (habitat)</b> (Host,Diagnosis/ID) (1,1)				
European large crane fly (Tipula maxima)	1	0	0	0
<b>Sour Cherry (Prunus cerasus)</b> (Host,Diagnosis/ID) (2,2)				
Brown rot (Monilia sp./spp.)	1	0	0	0
Brown rot; Blossom blight; Fruit rot (Monilinia sp./spp.)	1	0	0	0
<b>Soybean (Glycine max)</b> (Host,Diagnosis/ID) (2,4)				
Bacterial leaf blight (Pseudomonas sp./spp.)	0	0	1	0
Ozone damage (Abiotic disorder)	0	0	1	0
Rust (Phakopsora sp./spp.)	1	0	0	0
Slime mold (Class Myxogastria; Mycetozoa)	0	0	1	0
<b>Spinach ()</b> (Host,Diagnosis/ID) (1,2)				
Fusarium root; Crown rot (Fusarium sp./spp.)	1	0	0	0
Rhizoctonia root; Crown rot (Rhizoctonia sp./spp.)	1	0	0	0
<b>Spinach (Spinacia oleracea)</b> (Host,Diagnosis/ID) (10,26)				
Aphids; Plant lice (Family Aphididae)	1	0	0	0
Bulb mite (Rhizoglyphus sp./spp.)	0	0	1	0
Chemical; Environmental injury (Abiotic disorder)	0	0	1	0
Cladosporium mold (Cladosporium sp./spp.)	1	0	0	0
Decline; Dieback (Abiotic disorder)	0	0	1	0

Downy mildew ( <i>Peronospora farinosa</i> )	2	0	0	0
Guttation (Abiotic disorder)	1	0	1	0
Insect damage (Unidentified Insect)	1	0	0	0
Leaf scorch (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	4	0	0	0
No pathogen found (Identification Analysis)	5	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	2	0	0	0
Nutrient imbalance (Abiotic disorder)	0	0	1	0
Oedema; Edema (Abiotic disorder)	0	0	1	0
Rhizoctonia soilborne diseases ( <i>Rhizoctonia</i> sp./spp.)	0	0	1	0
Unidentified insect (Unidentified Insect)	0	0	0	1
<b>Spruce (ornamental) (<i>Picea</i> sp./spp.) (Host,Diagnosis/ID) (1,5)</b>				
Insect damage (Unidentified Insect)	0	0	1	0
Rhizosphaera needle cast ( <i>Rhizosphaera</i> sp./spp.)	1	0	0	0
Spruce spider mite ( <i>Oligonychus ununguis</i> )	0	0	1	0
Stigmina needle blight ( <i>Stigmina lautii</i> )	1	0	0	0
Sudden needle drop: spruce needle drop ( <i>Setomelanomma holmii</i> )	1	0	0	0
<b>Spruce (<i>Picea</i> sp./spp.) (Host,Diagnosis/ID) (5,11)</b>				
No insect found (Identification Analysis)	2	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Pine and spruce gall aphids (Family Adelgidae)	1	0	0	0
Rhizosphaera needle cast ( <i>Rhizosphaera</i> sp./spp.)	3	0	0	0
Spider mite injury (Unidentified Spider Mite)	1	0	0	0
Stigmina needle blight ( <i>Stigmina lautii</i> )	2	0	0	0
Sudden needle drop: spruce needle drop ( <i>Setomelanomma holmii</i> )	1	0	0	0
<b>Star Magnolia (<i>Magnolia stellata</i>) (Host,Diagnosis/ID) (1,2)</b>				
Magnolia scale ( <i>Neolecanium cornuparvum</i> )	0	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Stone Fruits (<i>Prunus</i> sp./spp.) (Host,Diagnosis/ID) (1,5)</b>				
Brown rot ( <i>Monilia</i> sp./spp.)	1	0	0	0
Peach leaf curl ( <i>Taphrina deformans</i> )	1	0	0	0
Plum Curculio ( <i>Conotrachelus nenuphar</i> )	1	0	0	0
Powdery mildew (Unidentified Fungus)	1	0	0	0
Spider mites (Family Tetranychidae)	1	0	0	0
<b>Strawberry (<i>Fragaria</i> sp./spp.) (Host,Diagnosis/ID) (1,4)</b>				
Freeze; Frost; Cold damage (Abiotic disorder)	0	0	1	0
Fusarium crown rot ( <i>Fusarium</i> sp./spp.)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
Rhizoctonia crown and stem rot ( <i>Rhizoctonia</i> sp./spp.)	1	0	0	0
<b>Sugar Maple (<i>Acer saccharum</i>) (Host,Diagnosis/ID) (1,2)</b>				
Maple leafcutter ( <i>Paraclemensia acerifoliella</i> )	0	0	1	0



Maple tar spot ( <i>Rhytisma acerinum</i> )	0	0	1	0
<b>Thyme (<i>Thymus sp./spp.</i>) (Host,Diagnosis/ID) (1,1)</b>				
Rhizoctonia foliar/ aerial/ web blight ( <i>Rhizoctonia solani</i> )	1	0	0	0
<b>Tickseed (<i>Coreopsis sp./spp.</i>) (Host,Diagnosis/ID) (1,1)</b>				
Additional sample requested (Identification Analysis)	1	0	0	0
<b>Tomatillo; Tree tomato (<i>Solanum macranthum</i>) (Host,Diagnosis/ID) (1,1)</b>				
Threelined potato beetle ( <i>Lema daturaphila (trilineata)</i> )	1	0	0	0
<b>Tomato () (Host,Diagnosis/ID) (1,2)</b>				
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
<b>Tomato (<i>Lycopersicon esculentum</i>) (Host,Diagnosis/ID) (19,40)</b>				
Bacterial wilt; Canker; Rot ( <i>Clavibacter michiganensis</i> )	1	0	1	0
Botrytis canker ( <i>Botrytis sp./spp.</i> )	1	0	0	0
Broad mite ( <i>Polyphagotarsonemus latus</i> )	0	0	1	0
Chemical injury (Abiotic disorder)	0	0	1	0
Environmental stress; Problem (Abiotic disorder)	0	0	2	0
Heat stress (Abiotic disorder)	0	0	1	0
Insufficient light (Abiotic disorder)	0	0	1	0
Intumescence (Abiotic disorder)	0	0	1	0
Leaf /stem/twig blight; Rot; Gray mold ( <i>Botrytis cinerea</i> )	1	0	0	0
Leaf mold; Spot ( <i>Passalora fulva</i> )	2	0	0	0
Mechanical damage (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	8	0	0	0
No pathogen found (Identification Analysis)	8	0	0	0
Nutrient imbalance (Abiotic disorder)	0	0	1	0
Oedema; Edema (Abiotic disorder)	0	0	1	0
Physiological leaf roll (Abiotic disorder)	0	0	1	0
Powdery mildew ( <i>Oidium sp./spp.</i> )	3	0	0	0
Unspecified pathology ( <i>Botrytis sp./spp.</i> )	1	0	0	0
Unspecified viral disease (Unspecified Viral Disease)	0	0	1	0
White mold (Stem rot) ( <i>Sclerotinia sclerotiorum</i> )	2	0	0	0
<b>Tomato (<i>Lycopersicon sp./spp.</i>) (Host,Diagnosis/ID) (17,32)</b>				
Bacterial wilt; Canker; Rot ( <i>Clavibacter michiganensis</i> )	1	0	1	0
Bacterial wilt; Canker; Rot ( <i>Clavibacter sp./spp.</i> )	1	0	0	0
Environmental stress; Problem (Abiotic disorder)	0	0	2	0
Leaf scorch (Abiotic disorder)	0	0	1	0
Magnesium deficiency (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	8	0	0	0
No pathogen found (Identification Analysis)	8	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0

Oedema; Edema (Abiotic disorder)	2	0	0	0
Potato black dot (Colletotrichum coccodes)	2	0	0	0
Powdery mildew (Oidium sp./spp.)	3	0	0	0
Twospotted spider mite (Tetranychus urticae)	0	0	1	0
<b>Turfgrass (Turfgrass mixed species) (Host,Diagnosis/ID) (3,9)</b>				
Anthraxnose (Colletotrichum sp./spp.)	3	0	0	0
Brown patch (Rhizoctonia sp./spp.)	1	0	0	0
Chemical; Environmental injury (Abiotic disorder)	0	0	1	0
Cultural/environmental problem (Abiotic disorder)	0	0	1	0
Drought stress damage (Abiotic disorder)	0	0	1	0
Fusarium root; Crown rot (Fusarium sp./spp.)	1	0	0	0
Unidentified insect (Unidentified Insect)	0	0	1	0
<b>Turnip (Brassica rapa) (Host,Diagnosis/ID) (1,4)</b>				
Boron deficiency (Abiotic disorder)	0	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Nutrient imbalance (Abiotic disorder)	0	0	1	0
<b>unknown spider () (Host,Diagnosis/ID) (1,1)</b>				
Fishing spider (Dolomedes tenebrosus)	1	0	0	0
<b>Unknown Weeds; unknown plants (Mixed species) (Host,Diagnosis/ID) (5,5)</b>				
Black chokecherry (Prunus virginiana)	1	0	0	0
Black; Sweet birch (Betula lenta)	1	0	0	0
Cosmos spp./sp. (Asteraceae) ()	1	0	0	0
Pink Turtlehead (Chelone lyonii) ()	1	0	0	0
Wild sarsaparilla (Aralia nudicaulis)	1	0	0	0
<b>Vegetables (Mixed species) (Host,Diagnosis/ID) (2,4)</b>				
No insect found (Identification Analysis)	0	0	0	0
No pathogen found (Identification Analysis)	0	0	0	0
Nutrient imbalance (Abiotic disorder)	0	0	1	0
White mold (Sclerotinia sp./spp.)	1	0	0	0
<b>Woody Ornamentals (Woody ornamentals mixed species) (Host,Diagnosis/ID) (1,1)</b>				
Crown and root rot (Unidentified Agent)	0	0	0	1