

PLANT DIAGNOSTIC CLINIC 2019



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-2019 through 12/31/2019. A total of 357 sample(s) have been processed during this time period.

The following diagnosticians were involved in processing samples for the laboratory from 01-Jan-2019 through 31-Dec-2019.

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.

Gabriella Maia, processed 254 sample(s).
Ann Hazelrigg, processed 329 sample(s).
Lisa Chouinard, processed 4 sample(s).
Extension Master Gardener, processed 3 sample(s).

The following Advisory Consultants provided advice for the laboratory from 01-Jan-2019 through 31-Dec-2019.

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).
Crystal L. Stewart (Cornell), gave advice for 1 sample(s).
Jessie Schilling (EMG), gave advice for 1 sample(s).
Joseph Gorres, gave advice for 1 sample(s).
Margaret Skinner, gave advice for 8 sample(s).
Mark Starrett, gave advice for 5 sample(s).
Michael Sundue, gave advice for 3 sample(s).
Sid Bosworth, gave advice for 3 sample(s).
Trish Hanson, gave advice for 1 sample(s).
Vern Grunbiger, gave advice for 3 sample(s).
Whitney Cranshaw, gave advice for 1 sample(s).

The following is the Sample Submission Breakdown for the laboratory.

For there are 0 sample(s) pending, sample(s) preliminary, 357 sample(s) completed, 0 sample(s) archived.

The following Personnel provided checked-in samples for the laboratory from 01-Jan-2019 through 31-Dec-2019.

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 65 sample(s).
Gabriella Maia, processed 275 sample(s).
Lisa Chouinard, processed 17 sample(s).

The following Personnel provided Client responses by writing up samples for the laboratory from 01-Jan-2019 through 31-Dec-2019.

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
2019	1	3	5	18	38	81	67	69	45	23	4	3	357
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

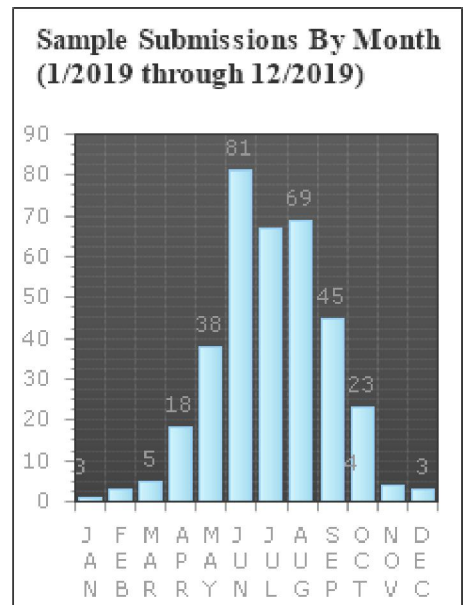
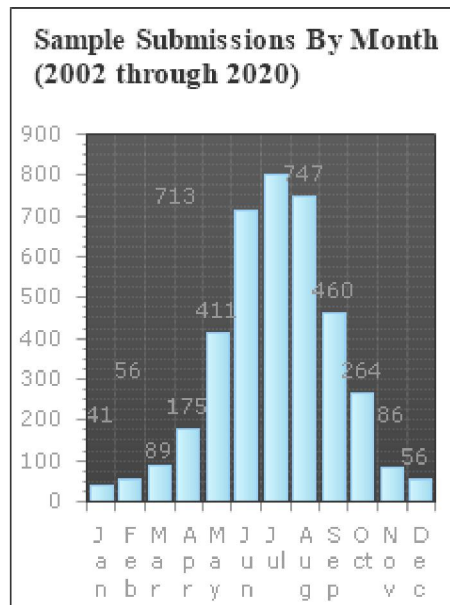
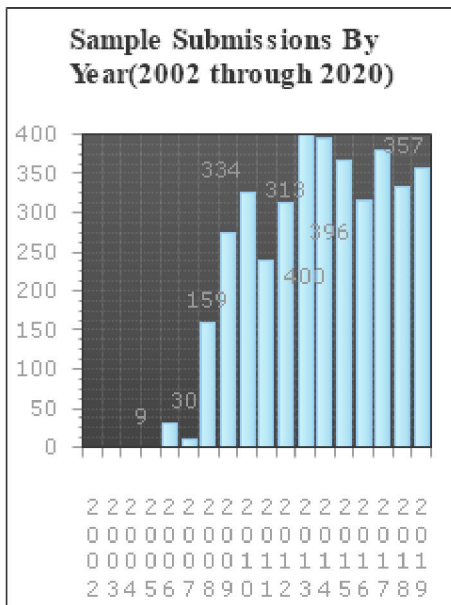


Table 2. Number of Sample Submissions by Client Type from 01-Jan-2019 through 31-Dec-2019 .

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	139	48.94
Homeowner/Home Gardener	53	18.66
Arborist	27	9.51
Researcher/Specialist	22	7.75
Left Blank	14	4.93
Landscaper	10	3.52
Nursery	5	1.76
Crop Consultant	4	1.41
Garden center	4	1.41
Individual	2	0.70
Agent/Educator	1	0.35
Greenhouse/Hydroponic	1	0.35
Lawn care/Landscaper	1	0.35
Museum	1	0.35
Total	284	100%

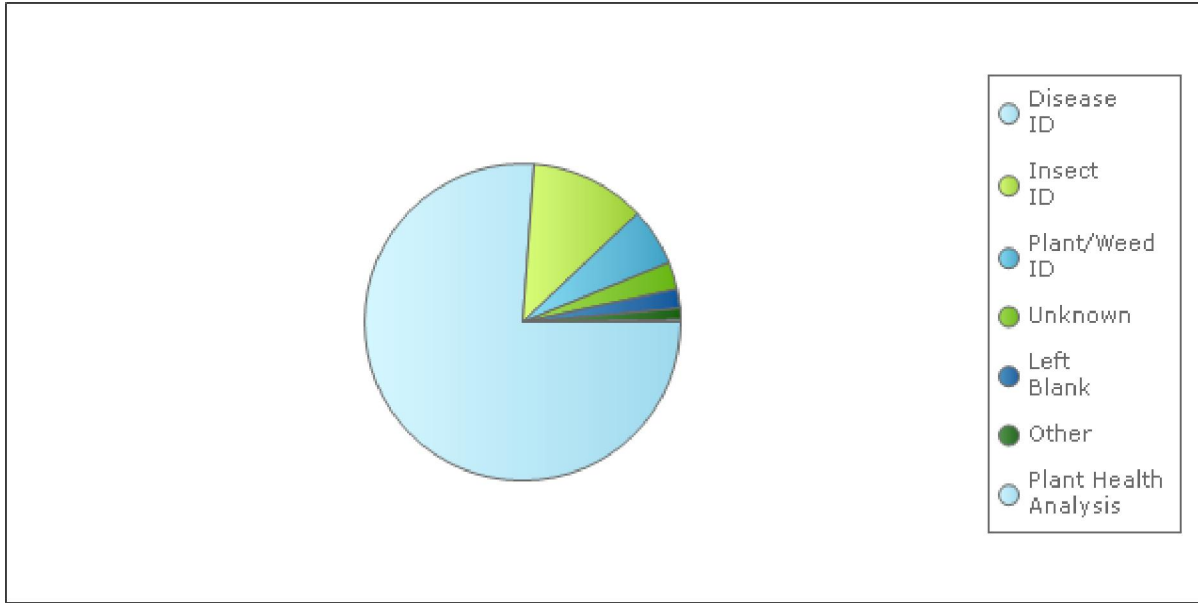
Table 3. Samples originated from the following states and counties from 01-Jan-2019 through 31-Dec-2019.

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
MA	Berkshire	1
MA	STATE TOTAL	1
NH	Sullivan	1
NH	STATE TOTAL	1
NY	Essex	1
NY	STATE TOTAL	1
VT	Addison	45
VT	Bennington	5
VT	Caledonia	11
VT	Chittenden	157
VT	Essex	3
VT	Franklin	14
VT	Grand Isle	6
VT	Lamoille	15
VT	Orange	8
VT	Orleans	4
VT	Rutland	17
VT	Unknown	3
VT	Washington	37
VT	Windham	15
VT	Windsor	14
VT	STATE TOTAL	354
	GRAND TOTAL	357

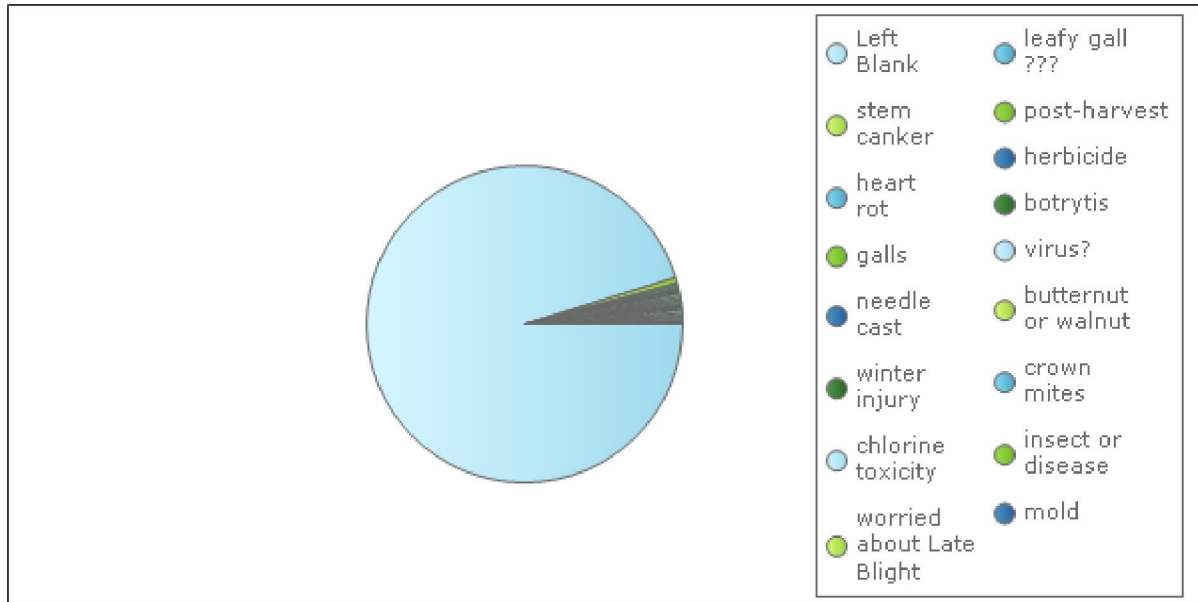
Table 4. Number of Sample Submissions by Diagnosis Needed from 01-Jan-2019 through 31-Dec-2019.

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	272	76.19
Insect ID	42	11.76
Plant/Weed ID	21	5.88
Unknown	10	2.80
Left Blank	7	1.96
Other	4	1.12
Plant Health Analysis	1	0.28
Total	357	100%

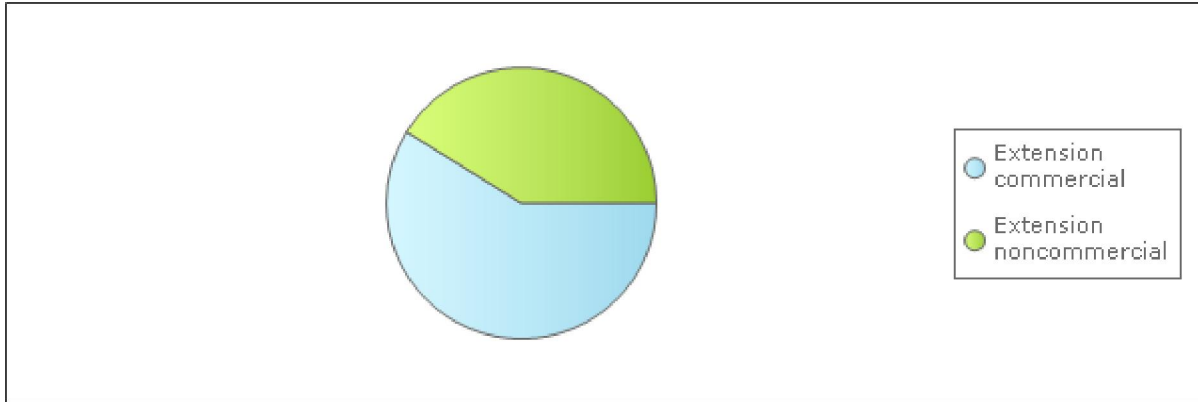
Table 5. Number of Sample Submissions by Suspected Problem from 01-Jan-2019 through 31-Dec-2019 .
This section reports suspected problem for the samples from all statuses. Hence, this section represents the total number of samples processed during this time period.



Suspected Problem	Number of Samples	%
Left Blank	340	95.24
stem canker	2	0.56
heart rot	1	0.28
galls	1	0.28
needle cast	1	0.28
winter injury	1	0.28
chlorine toxicity	1	0.28
worried about Late Blight	1	0.28
leafy gall ???	1	0.28
post-harvest	1	0.28
herbicide	1	0.28
botrytis	1	0.28
virus?	1	0.28
butternut or walnut	1	0.28
crown mites	1	0.28
insect or disease	1	0.28
mold	1	0.28
Total	357	100%

Table 6. Number of Sample Submissions by Sample Source from 01-Jan-2019 through 31-Dec-2019.

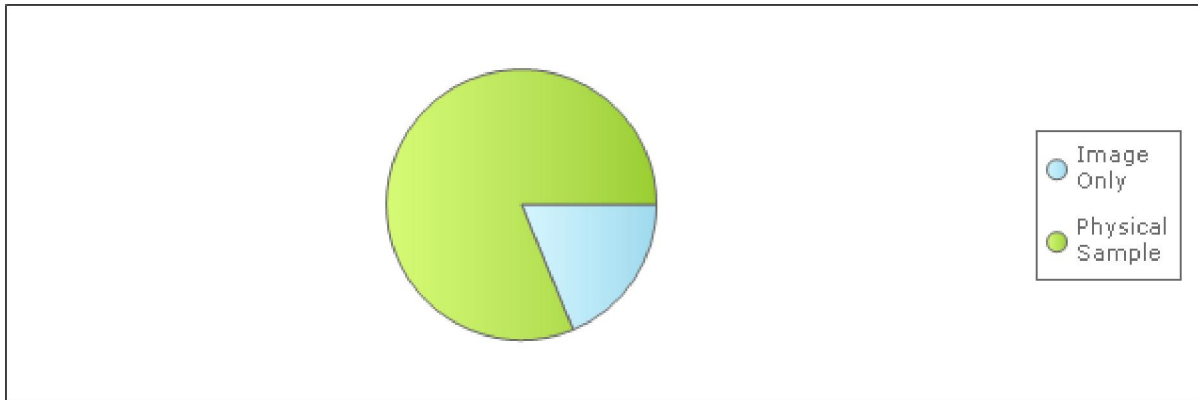
This section reports sample source for the samples from all statuses. Hence, this section represents the total number of samples processed during this time period.



Sample Source	Number of Samples	%
Extension commercial	210	58.82
Extension noncommercial	147	41.18
Total	357	100%

Table 7. Number of Sample Submissions by Type of Sample from 01-Jan-2019 through 31-Dec-2019.

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	67	18.77
Physical Sample	290	81.23
Total	357	100%

Table 8. Number of Sample Submissions by Sample Category from 01-Jan-2019 through 31-Dec-2019.

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	110	30.81
Woody ornamental -Deciduous	57	15.97
Small Fruit	36	10.08
Fruit	31	8.68
Woody ornamental - Evergreen	25	7.00
Field crops	22	6.16
Perennial	20	5.60
Annual	17	4.76
InsectID	16	4.48
Other\$Unknown plant	4	1.12
Other\$Weed i.d.	4	1.12
Forested area	2	0.56
Other\$annual or perennial	2	0.56
Other\$Plant/Weed ID	2	0.56
Other\$weed id	2	0.56
Other\$Plant i.d.	2	0.56
Other\$Worms	1	0.28
Other\$Tree i.d.	1	0.28
Other\$yard tree and garden	1	0.28
Other\$herb	1	0.28
Other\$lawn, yard	1	0.28
Total	357	100%

Table 9. Number of Sample Submissions by Sample Material Submitted from 01-Jan-2019 through 31-Dec-2019.

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	192
Entire plant	57
Email	69
Fruit/seed	28
Adult Insect	11
Branches/twigs	81
Bulbs	6
Photos	59
Flowers	14
Roots	35
Tubers	3
Stems	59
Worm	1
Mushroom/mold	1

Table 10. Number of Sample Submissions and Diagnosis/ID by Host/Habitat from 01-Jan-2019 through 31-Dec-2019.

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
African Eggplant (<i>Solanum macrocarpon</i>) (Host,Diagnosis/ID) (2,5)				
Broad mite (Polyphagotarsonemus latus)	0	0	1	0
Early blight; Leaf spot (<i>Alternaria solani</i>)	2	0	0	0
Tomato hornworm (<i>Manduca quinquemaculata</i>)	0	0	1	0
Twospotted spider mite (<i>Tetranychus urticae</i>)	1	0	0	0
American Plum (<i>Prunus americana</i>) (Host,Diagnosis/ID) (1,1)				
Brown rot; Blossom blight; Fruit rot (<i>Monilinia</i> sp./spp.)	1	0	0	0
Anemone (<i>Anemone</i> sp./spp.) (Host,Diagnosis/ID) (1,4)				
Anthrachnose stem blight (<i>Colletotrichum</i> sp./spp.)	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
Apricot (<i>Prunus armeniaca</i>) (Host,Diagnosis/ID) (2,3)				
Branch canker and dieback (Unidentified Agent)	0	0	1	0
Brown rot; Blossom blight; Fruit rot (<i>Monilinia</i> sp./spp.)	1	0	1	0
Arborvitae (<i>Thuja</i> sp./spp.) (Host,Diagnosis/ID) (1,4)				
No insect found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Pestalotiopsis needle blight; Tip blight (<i>Pestalotiopsis</i> sp./spp.)	1	0	0	0
Phomopsis dieback; Tip blight; Canker (<i>Phomopsis</i> sp./spp.)	1	0	0	0
Arugula (<i>Eruca sativa</i>) (Host,Diagnosis/ID) (3,8)				
<i>Alternaria</i> leaf spot (<i>Alternaria</i> sp./spp.)	1	0	0	0
Leafminer damage (Unidentified)	1	0	0	0
Natural senescence (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
Poor root development (Abiotic disorder)	1	0	0	0
<i>Rhizoctonia</i> damping off (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Wire stem (<i>Rhizoctonia solani</i>)	1	0	0	0
Ash (<i>Fraxinus</i> sp./spp.) (Host,Diagnosis/ID) (2,7)				
Discula anthracnose (<i>Discula</i> sp./spp.)	1	0	0	0
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
Leaf scorch (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

Asparagus (ornamental) (Asparagus sp./spp.) (Host,Diagnosis/ID) (1,4)				
Cultural/environmental problem (Abiotic disorder)	0	0	1	0
Fusarium canker (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
Autumn-winter Squash (Cucurbita maxima) (Host,Diagnosis/ID) (1,1)				
Coreid squash bug (Anasa sp./spp.)	1	0	0	0
Barbados Aloe (Aloe vera) (Host,Diagnosis/ID) (1,1)				
Soft scale (Coccus sp./spp.)	0	0	1	0
Barley (Hordeum vulgare) (Host,Diagnosis/ID) (1,1)				
Helminthosporium net blotch (Drechslera sp./spp.)	0	0	1	0
Bean (Phaseolus sp./spp.) (Host,Diagnosis/ID) (1,1)				
Unspecified pathology (Alternaria sp./spp.)	1	0	0	0
Beans; Peas; dolichos (Dolichos sp./spp.) (Host,Diagnosis/ID) (2,4)				
Cultural/environmental problem (Abiotic disorder)	0	0	1	0
Fusarium root rot (Fusarium sp./spp.)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
Rhizoctonia stem and root rot (Rhizoctonia sp./spp.)	1	0	0	0
Begonia (Begonia sp./spp.) (Host,Diagnosis/ID) (3,6)				
Broad mite (Polyphagotarsonemus latus)	2	0	0	0
Cold wet soils (Abiotic disorder)	0	0	1	0
Cultural/environmental problem (Abiotic disorder)	0	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0
Rhizoctonia root rot (Rhizoctonia sp./spp.)	1	0	0	0
Bellflower (Campanula sp./spp.) (Host,Diagnosis/ID) (2,5)				
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
Herbicide carryover (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	0	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	0	0	0	1
Rhizoctonia damping off (Rhizoctonia sp./spp.)	1	0	0	0
Bells Of ireland (Moluccella laevis) (Host,Diagnosis/ID) (1,1)				
Cercospora leaf spot (Cercospora sp./spp.)	1	0	0	0
Birch (Betula sp./spp.) (Host,Diagnosis/ID) (2,4)				
Anthracnose (Colletotrichum sp./spp.)	1	0	0	0
Birch sawfly (Arge pectoralis)	0	0	1	0
Phyllosticta leaf spot (Phyllosticta sp./spp.)	1	0	0	0
Septoria leaf blotch (Septoria sp./spp.)	1	0	0	0
Black Turtle bean (Phaseolus vulgaris) (Host,Diagnosis/ID) (1,2)				
No pathogen found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0

Blue Spruce (<i>Picea pungens</i>) (Host,Diagnosis/ID) (4,9)				
Additional sample requested (Identification Analysis)	1	0	0	0
Cytospora canker; Dieback (Cytospora sp./spp.)	0	0	1	0
Lichens (Lichenes)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
Rhizosphaera needle cast (Rhizosphaera sp./spp.)	2	0	0	0
Sooty mold (Unidentified Fungus)	1	0	0	0
Spruce needle cast (Stigmina sp./spp.)	2	0	0	0
Blueberry (<i>Vaccinium</i> sp./spp.) (Host,Diagnosis/ID) (17,41)				
Additional sample requested (Identification Analysis)	2	0	0	0
Canker (Unidentified Agent)	0	0	1	0
Canker; Dieback; Leaf blight (Fusicoccum sp./spp.)	1	0	0	0
Cultural/environmental problem (Abiotic disorder)	0	0	1	0
Dieback; Canker; Twig blight (Botryosphaeria sp./spp.)	0	0	1	0
Freeze; Frost; Cold damage (Abiotic disorder)	0	0	1	0
Godronia canker (Fusicoccum putrefaciens)	1	0	1	0
Lecanium scales (Lecanium sp./spp.)	1	0	0	0
Low pH; Nutrient imbalance (Abiotic disorder)	0	0	1	0
Mummy berry (Monilinia vaccinii-corymbosi)	2	0	0	0
No insect found (Identification Analysis)	7	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Phomopsis blight (Phomopsis sp./spp.)	2	0	0	0
Phomopsis canker and twig blight (Diaporthe vaccinii)	1	0	0	0
Phomopsis dieback; Tip blight; Canker (Phomopsis sp./spp.)	4	0	0	0
Red leaf (Exobasidium vaccinii)	1	0	0	0
Redhumped caterpillar (Schizura concinna)	0	0	1	0
Spotted wing Drosophila (Drosophila suzukii)	1	0	0	0
stem borer ()	0	0	1	0
Twig blight (Fusicoccum sp./spp.)	4	0	2	0
Winter injury (Abiotic disorder)	0	0	2	0
Boxwood (<i>Buxus</i> sp./spp.) (Host,Diagnosis/ID) (1,3)				
Boxwood leafminer (Monarthropalpus flavus (buxi))	0	0	0	1
Boxwood psyllid (Psylla buxi)	0	0	1	0
Volutella leaf blight; Dieback (Volutella sp./spp.)	1	0	0	0
Broccoli (<i>Brassica oleracea</i> var. <i>botrytis</i>) (Host,Diagnosis/ID) (2,4)				
Alternaria leaf and head blight (Alternaria sp./spp.)	0	0	1	0
Boron deficiency (Abiotic disorder)	0	0	1	0
Cabbage maggot (Delia radicum)	0	0	1	0
Wire stem (Rhizoctonia solani)	1	0	0	0
Bur Oak (<i>Quercus macrocarpa</i>) (Host,Diagnosis/ID) (1,1)				

Oak leaf blister (<i>Taphrina caerulescens</i>)	1	0	0	0
Cabbage (<i>Brassica oleracea</i> var. <i>capitata</i>) (Host,Diagnosis/ID) (4,10)				
Boron deficiency (Abiotic disorder)	0	0	1	0
Cold wet soils (Abiotic disorder)	0	0	1	0
Crucifer clubroot (<i>Plasmodiophora brassicae</i>)	0	0	1	0
Cultural/environmental problem (Abiotic disorder)	0	0	1	0
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	2	0	1	0
Swede midge (<i>Contarinia nasturtii</i>)	0	0	1	0
Carrot (<i>Daucus carota sativus</i>) (Host,Diagnosis/ID) (1,3)				
Mechanical 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
CBD Hemp () (Host,Diagnosis/ID) (1,2)				
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Cherry (<i>Prunus</i> sp./spp.) (Host,Diagnosis/ID) (5,14)				
Apple powdery mildew (<i>Podosphaera leucotricha</i>)	1	0	0	0
Brown rot (<i>Monilia</i> sp./spp.)	1	0	0	0
Brown rot; Blossom blight; Fruit rot (<i>Monilinia</i> sp./spp.)	1	0	0	0
Dieback (Unknown Cause)	1	0	0	0
Garden and greenhouse millipedes (Family Paradoxosomatidae)	0	0	1	0
Heart rot (Unidentified Agent)	0	0	1	0
Leaf scorch (Abiotic disorder)	0	0	1	0
Leaf spot; Shothole (<i>Blumeriella</i> sp./spp.)	1	0	0	0
Lichens (Lichenes)	2	0	0	0
No insect found (Identification Analysis)	2	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Poor growing conditions (Abiotic disorder)	1	0	0	0
China Aster (<i>Callistephus chinensis</i>) (Host,Diagnosis/ID) (1,2)				
No insect found (Identification Analysis)	1	0	0	0
Verticillium wilt (<i>Verticillium</i> sp./spp.)	0	0	1	0
Chives (seed) (<i>Allium schoenoprasum</i>) (Host,Diagnosis/ID) (1,2)				
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Christmas Cactus (<i>Schlumbergera bridgesii</i>) (Host,Diagnosis/ID) (1,3)				
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
Chrysanthemum (<i>Chrysanthemum</i> sp./spp. hybrids)				

<i>(Host,Diagnosis/ID) (1,2)</i>				
No pathogen found (Identification Analysis)	1	0	0	0
Thrips damage (Unidentified Thrips)	1	0	0	0
Cockscomb; Celosia (Celosia sp./spp.) <i>(Host,Diagnosis/ID) (1,3)</i>				
Chemical; Environmental injury (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Cole Crops (Brassica sp./spp.) <i>(Host,Diagnosis/ID) (1,3)</i>				
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
Colorado Blue spruce (Picea pungens fastigiata) <i>(Host,Diagnosis/ID) (1,4)</i>				
Pine needle scale (Chionaspis pinifoliae)	0	0	1	0
Rhizosphaera needle cast (Rhizosphaera sp./spp.)	1	0	0	0
Sooty mold (Unidentified Fungus)	1	0	0	0
Spruce needle cast (Stigmina sp./spp.)	1	0	0	0
Common Apple (Malus sylvestris) <i>(Host,Diagnosis/ID) (3,6)</i>				
Apple scab (Venturia inaequalis)	1	0	0	0
Cultural/environmental problem (Abiotic disorder)	0	0	1	0
Fire blight (Erwinia amylovora)	0	0	1	0
Frogeye leaf spot; Black rot (Botryosphaeria obtusa)	1	0	0	0
insect damage ()	1	0	0	0
Poor pruning practice (Abiotic disorder)	0	0	1	0
Common Fig (Ficus carica) <i>(Host,Diagnosis/ID) (1,3)</i>				
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
Crabapple (Malus sp./spp.) <i>(Host,Diagnosis/ID) (4,5)</i>				
Apple scab (Spilocaea pomi)	1	0	0	0
Apple scab (Venturia inaequalis)	1	0	1	0
Insect damage (Unidentified Insect)	0	0	1	0
Poor pruning practice (Abiotic disorder)	0	0	1	0
Cucumber (Cucumis sativus) <i>(Host,Diagnosis/ID) (10,24)</i>				
Anthraxnose; Colletotrichum leaf spot (Colletotrichum sp./spp.)	1	0	0	0
Ants (Family Formicidae)	1	0	0	0
Aphids; Plant lice (Family Aphididae)	1	0	0	0
Common thrips (Family Thripidae)	1	0	0	0
Crown and stem rot (Fusarium sp./spp.)	1	0	0	0
Cucumber beetle (damage) ()	0	0	1	0
Cucurbit bacterial wilt (Erwinia tracheiphila)	1	0	0	0

Environmental stress; Problem (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	4	0	0	0
No pathogen found (Identification Analysis)	4	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	2	0	0	0
Nutrient imbalance (Abiotic disorder)	0	0	1	0
Powdery mildew (Podosphaera sp./spp.)	1	0	0	0
Pythium damping off (Pythium sp./spp.)	0	0	1	0
Shore fly (Scatella sp./spp.)	0	0	1	0
Spider mite injury (Unidentified Spider Mite)	1	0	0	0
Ulocladium leaf spot (Ulocladium sp./spp.)	1	0	0	0
Cucumis Melons (Cucumis sp./spp.) (Host,Diagnosis/ID) (1,3)				
Alternaria leaf blight and spot (Alternaria cucumerina)	1	0	0	0
Anthracnose (Colletotrichum orbiculare)	1	0	0	0
Cotton aphid; Melon aphid (Aphis gossypii)	1	0	0	0
Cucurbits (Family cucurbitaceae) (Host,Diagnosis/ID) (1,3)				
Black rot (Didymella bryoniae)	1	0	0	0
Insect damage (Unidentified Insect)	0	0	1	0
Oedema; Edema (Abiotic disorder)	0	0	1	0
Currant (Ribes sp./spp.) (Host,Diagnosis/ID) (1,1)				
Rhagionid snipe fly (Chrysopilus sp./spp.)	0	0	1	0
Dahlia (Dahlia sp./spp.) (Host,Diagnosis/ID) (1,5)				
Additional sample requested (Identification Analysis)	1	0	0	0
Bacterial soft rot (Erwinia sp./spp.)	0	0	1	0
Potato leafhopper (Empoasca fabae)	1	0	0	0
Spider mites (Family Tetranychidae)	1	0	0	0
Verticillium wilt (Verticillium dahliae)	0	0	1	0
Dappled Willow (Salix integra) (Host,Diagnosis/ID) (1,1)				
Willow leaf blight; Scab (Venturia saliciperda)	0	0	1	0
Dogwood (Cornus sp./spp.) (Host,Diagnosis/ID) (1,3)				
Insufficient sample (Identification Analysis)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Domestic Apple (Malus domestica) (Host,Diagnosis/ID) (10,23)				
Apple maggot (AM) (Rhagoletis pomonella)	0	0	1	0
Apple scab (Spilocaea pomi)	1	0	0	0
Apple scab (Venturia inaequalis)	4	0	0	0
Bitter pit (Abiotic disorder)	0	0	1	0
Cedar-apple rust (Gymnosporangium juniperi-virginianae)	3	0	0	0
Codling moth (CM) (Cydia pomonella)	0	0	1	0
Cultural/environmental problem (Abiotic disorder)	0	0	1	0

European red mite (<i>Panonychus ulmi</i>)	1	0	0	0
Fire blight (<i>Erwinia amylovora</i>)	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
Leaf skeletonizers (Family Zygaenidae)	0	0	0	1
Lichens (Lichenes)	1	0	0	0
No insect found (Identification Analysis)	2	0	0	0
Potato leafhopper (<i>Empoasca fabae</i>)	1	0	0	0
Redhumped caterpillar (<i>Schizura concinna</i>)	1	0	0	0
Dry Bean (<i>Phaseolus vulgaris</i>) (<i>Host,Diagnosis/ID</i>) (2,5)				
Bean seed maggot (<i>Delia florilega</i>)	0	0	1	0
Damping off (<i>Fusarium</i> sp./spp.)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Pythium damping off (<i>Pythium</i> sp./spp.)	0	0	1	0
Rhizoctonia damping off (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Dwarf Alberta spruce (<i>Picea glauca conica</i>) (<i>Host,Diagnosis/ID</i>) (1,4)				
Drought stress damage (Abiotic disorder)	0	0	1	0
Lichens (Lichenes)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Easter Lily (<i>Lilium longiflorum</i>) (<i>Host,Diagnosis/ID</i>) (1,3)				
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
Eastern Red cedar (<i>Juniperus virginiana</i>) (<i>Host,Diagnosis/ID</i>) (1,3)				
Cedar-apple rust (<i>Gymnosporangium juniperi-virginianae</i>)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
Phomopsis blight (<i>Phomopsis</i> sp./spp.)	1	0	0	0
Eggplant (<i>Solanum melogena</i>) (<i>Host,Diagnosis/ID</i>) (2,6)				
Environmental stress; Problem (Abiotic disorder)	1	0	0	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
Spider mite injury (Unidentified Spider Mite)	1	0	0	0
Elm (<i>Ulmus</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (1,3)				
Blister mites (Family Eriophyidae)	0	0	1	0
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
Leaf spot (<i>Phyllosticta</i> sp./spp.)	1	0	0	0
Euonymus (<i>Euonymus</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (1,4)				
Cultural/environmental problem (Abiotic disorder)	0	0	1	0

Dieback; Canker; Twig blight (<i>Botryosphaeria</i> sp./spp.)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Fallow Field; idle land (habitat) (<i>Host,Diagnosis/ID</i>) (1,1)				
Curly dock (<i>Rumex crispus</i>)	1	0	0	0
Falsecypress (<i>Chamaecyparis</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (1,4)				
Bark beetles; Ambrosia beetles (Family Scolytidae)	0	0	1	0
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
Insect damage (Unidentified Insect)	1	0	0	0
Poor root development (Abiotic disorder)	0	0	1	0
Fava (broad) bean (<i>Vicia faba</i>) (<i>Host,Diagnosis/ID</i>) (1,2)				
No pathogen found (Identification Analysis)	1	0	0	0
Potato leafhopper (<i>Empoasca fabae</i>)	0	0	1	0
Fir (<i>Abies</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (1,3)				
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Winter injury (Abiotic disorder)	0	0	1	0
Fragrant Sumac (<i>Rhus aromatica</i>) (<i>Host,Diagnosis/ID</i>) (1,3)				
Fusarium wilt; Fusarium wilt complex (<i>Fusarium</i> sp./spp.)	1	0	0	0
Moisture stress (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
Garden Beet (<i>Beta vulgaris</i>) (<i>Host,Diagnosis/ID</i>) (1,2)				
Cercospora beet leaf spot (<i>Cercospora beticola</i>)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
Garlic () (<i>Host,Diagnosis/ID</i>) (1,1)				
Leek moth (<i>Acrolepiopsis assectella</i>)	1	0	0	0
Garlic (<i>Allium sativum</i>) (<i>Host,Diagnosis/ID</i>) (5,14)				
Additional sample requested (Identification Analysis)	1	0	0	0
Aspergillus (<i>Aspergillus</i> sp./spp.)	1	0	0	0
Blue mold rot (<i>Penicillium</i> sp./spp.)	2	0	0	0
Bulb mite (<i>Rhizoglyphus</i> sp./spp.)	0	0	2	0
Fusarium dry rot; Bulb rot (<i>Fusarium</i> sp./spp.)	3	0	0	0
Insufficient information (Identification Analysis)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Skin blotch (<i>Embellisia allii</i>)	2	0	0	0
Ginger (<i>Zingiber</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (2,8)				
Cultural/environmental problem (Abiotic disorder)	0	0	1	0
Fusarium root; Crown rot (<i>Fusarium</i> sp./spp.)	1	0	0	0
Insect damage (Unidentified Insect)	1	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0

Rhizoctonia root rot (Rhizoctonia sp./spp.)	1	0	0	0
Rhizoctonia soilborne diseases (Rhizoctonia sp./spp.)	1	0	0	0
Rodent damage (Vertebrate Damage)	0	0	1	0
Gooseberry (Ribes sp./spp.) (Host,Diagnosis/ID) (2,2)				
March fly (Bibio sp./spp.)	1	0	0	0
Ribes anthracnose (Drepanopeziza ribis)	1	0	0	0
Grain (General category) (Host,Diagnosis/ID) (1,1)				
Loose smut (Wheat; Rye) (Ustilago tritici)	1	0	0	0
Grape (Vitis sp./spp.) (Host,Diagnosis/ID) (4,11)				
Black hunter thrips (Leptothrips mali)	1	0	0	0
Black rot (Guignardia bidwellii)	3	0	0	0
Grape anthracnose; Birds-eye rot (Elsinoe ampelina)	1	0	0	0
Grape berry moth (GBM) (Endopiza viteana)	0	0	1	0
Grape powdery mildew (Uncinula necator)	1	0	0	0
Hail damage (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
russet mite damage ()	0	0	1	0
Greenhouse Plants (general) (Host,Diagnosis/ID) (1,1)				
Cranefly (Tipula sp./spp.)	1	0	0	0
Hawthorn (Crataegus sp./spp.) (Host,Diagnosis/ID) (1,1)				
Cedar-hawthorn rust (Gymnosporangium globosum)	1	0	0	0
Hemlock (Tsuga sp./spp.) (Host,Diagnosis/ID) (2,6)				
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	2	0	0	0
Spider mite injury (Unidentified Spider Mite)	2	0	0	0
Winter injury (Abiotic disorder)	0	0	1	0
Hemp (Cannabis sativa) (Host,Diagnosis/ID) (10,20)				
Aphids; Plant lice (Family Aphididae)	1	0	0	0
Bollworm; Corn earworm (Helicoverpa (Heliothis) zea)	0	0	1	0
Botrytis blight (Botrytis sp./spp.)	1	0	0	0
Fourlined plant bug (Poecilocapsus lineatus)	1	0	0	0
Fusarium blight (Fusarium sp./spp.)	1	0	0	0
Genetic disorders (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	4	0	0	0
No pathogen found (Identification Analysis)	2	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	3	0	0	0
Powdery mildew (Unidentified Fungus)	1	0	0	0
Sunscald (Abiotic disorder)	0	0	1	0
Thrips damage (Unidentified Thrips)	1	0	0	0

White mold (<i>Sclerotinia</i> sp./spp.)	2	0	0	0
Hibiscus (<i>Hibiscus</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (1,1)				
Herbicide carryover (Abiotic disorder)	0	0	1	0
Home and garden (habitat) (<i>Host,Diagnosis/ID</i>) (13,13)				
Black walnut (<i>Juglans nigra</i>)	1	0	0	0
Brown prionid (<i>Orthosoma brunneum</i>)	1	0	0	0
Eyed click beetle (<i>Alaus oculus</i>)	1	0	0	0
Groundnut; American potato bean (<i>Apios americana</i>)	1	0	0	0
Horseweed (<i>Conyza canadensis</i>)	1	0	0	0
Ladybird beetles (Family Coccinellidae)	1	0	0	0
Milky spore (Grub control) (<i>Bacillus popilliae</i>)	1	0	0	0
Red sorrel (<i>Rumex acetosella</i>)	1	0	0	0
Rhododendron (<i>Rhododendron</i> sp./spp.)	1	0	0	0
Sanguinaria canadensis ()	1	0	0	0
Slime mold (Class Myxomycetes; Myxomycota)	1	0	0	0
Star-of-bethlehem (<i>Ornithogalum umbellatum</i>)	1	0	0	0
Wild sarsaparilla (<i>Aralia nudicaulis</i>)	1	0	0	0
Hops (<i>Humulus lupulus</i>) (<i>Host,Diagnosis/ID</i>) (2,4)				
Aphids; Plant lice (Family Aphididae)	1	0	0	0
Hop downy mildew (<i>Pseudoperonospora humuli</i>)	2	0	0	0
Unspecified pathology (<i>Alternaria</i> sp./spp.)	1	0	0	0
Household; Domestic dwellings (habitat) (<i>Host,Diagnosis/ID</i>) (1,1)				
Carpet beetles (Family Dermestidae)	1	0	0	0
Hydrangea (<i>Hydrangea</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (1,1)				
Hydrangea leaf tier (<i>Olethreutes ferriferana</i>)	1	0	0	0
Insect Id request (general) (<i>Host,Diagnosis/ID</i>) (7,8)				
Acrobat ants (<i>Crematogaster</i> sp./spp.)	1	0	0	0
American cockroach (<i>Periplaneta americana</i>)	1	0	0	0
Blue mud dauber wasp (<i>Chalybion californicum</i>)	1	0	0	0
Boxelder bug (<i>Boisea (Leptocoris) trivittata</i>)	1	0	0	0
Carpenter ant (<i>Camponotus</i> sp./spp.)	1	0	0	0
Cimex bedbugs (Family Cimicidae)	1	0	0	0
Grasshoppers (Family Acrididae)	1	0	0	0
House cricket (<i>Acheta domesticus</i>)	0	0	1	0
Japanese Dogwood; kousa (<i>Cornus kousa</i>) (<i>Host,Diagnosis/ID</i>) (1,2)				
No insect found (Identification Analysis)	1	0	0	0
Powdery mildew (<i>Erysiphe</i> sp./spp.)	1	0	0	0
Japanese Maple (<i>Acer palmatum</i>) (<i>Host,Diagnosis/ID</i>) (1,2)				
Canker (Unidentified Agent)	0	0	1	0
Chemical; Environmental injury (Abiotic disorder)	0	0	1	0
Juniper (<i>Juniperus</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (1,1)				
Rust (<i>Gymnosporangium</i> sp./spp.)	1	0	0	0

Mechanical damage (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	0	0	0	0
No pathogen found (Identification Analysis)	0	0	0	0
Poor root development (Abiotic disorder)	0	0	0	0
Larch (<i>Larix sp./spp.</i>) (Host,Diagnosis/ID) (2,4)				
Gypsy moth (<i>Lymantria dispar</i>)	1	0	0	0
Insect damage (Unidentified Insect)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Lavender (<i>Lavandula sp./spp.</i>) (Host,Diagnosis/ID) (2,4)				
Fourlined plant bug (<i>Poecilocapsus lineatus</i>)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Septoria leaf spot (<i>Septoria sp./spp.</i>)	0	0	1	0
Lemon (<i>Citrus limon</i>) (Host,Diagnosis/ID) (2,3)				
No pathogen found (Identification Analysis)	1	0	0	0
Soft scale (<i>Coccus sp./spp.</i>)	2	0	0	0
Lettuce (<i>Lactuca sativa</i>) (Host,Diagnosis/ID) (2,8)				
Botrytis blight (<i>Botrytis sp./spp.</i>)	1	0	0	0
No insect 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
Unidentified bacteria (Unidentified Bacteria)	1	0	0	0
Unspecified pathology (<i>Mucor sp./spp.</i>)	1	0	0	0
Unspecified pathology (<i>Rhizoctonia sp./spp.</i>)	1	0	0	0
Lilac (<i>Syringa sp./spp.</i>) (Host,Diagnosis/ID) (2,6)				
Abnormal plant growth (Abiotic disorder)	0	0	1	0
Blister mites (Family Eriophyidae)	1	0	0	0
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
Iron deficiency (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Lisianthus (<i>Lisianthus sp./spp.</i>) (Host,Diagnosis/ID) (1,4)				
Botrytis blight (<i>Botrytis sp./spp.</i>)	1	0	0	0
Poor root development (Abiotic disorder)	1	0	0	0
Thrips (Order Thysanoptera)	1	0	0	0
Unidentified caterpillar (Unidentified Caterpillar)	1	0	0	0
Lobelia (<i>Lobelia sp./spp.</i>) (Host,Diagnosis/ID) (1,4)				
Cultural/environmental problem (Abiotic disorder)	0	0	1	0

No insect found (Identification Analysis)	1	0	0	0
No nematode found (No Nematode Found)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Lowbush Blueberry (Vaccinium augustifolium) (Host,Diagnosis/ID) (1,1)				
Leaf and flower gall (Exobasidium vaccinii)	0	0	1	0
Maple (Acer sp./spp.) (Host,Diagnosis/ID) (14,24)				
Additional sample requested (Identification Analysis)	1	0	0	0
Anthracnose (Unidentified Fungus)	0	0	1	0
Anthracnose; Colletotrichum leaf spot (Colletotrichum sp./spp.)	1	0	0	0
Blue stain (Ceratomyces sp./spp.)	0	0	1	0
Discula anthracnose (Discula sp./spp.)	1	0	0	0
Environmental stress; Problem (Abiotic disorder)	0	0	2	0
Insufficient sample (Identification Analysis)	1	0	0	0
Iron deficiency (Abiotic disorder)	0	0	1	0
Maple anthracnose (Aureobasidium apocryptum)	2	0	0	0
Maple anthracnose (Gloeosporium apocryptum)	0	0	1	0
Maple bladder gall mite (Vasates quadripedes)	0	0	1	0
Maple tar spot (Rhytisma acerinum)	1	0	0	0
No insect found (Identification Analysis)	4	0	0	0
No pathogen found (Identification Analysis)	2	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Phyllosticta leaf spot (Phyllosticta sp./spp.)	1	0	0	0
Verticillium wilt (Verticillium sp./spp.)	0	0	2	0
Milkweed (asclepiaceae) (Host,Diagnosis/ID) (1,3)				
Aphids; Plant lice (Family Aphididae)	1	0	0	0
Cercospora leaf spot (Cercospora sp./spp.)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Million Bells (Calibrachoa sp./spp.) (Host,Diagnosis/ID) (1,2)				
No insect found (Identification Analysis)	1	0	0	0
Powdery mildew (Unidentified Fungus)	1	0	0	0
Mixture; Spruce; fir (Picea; abies sp./spp.) (Host,Diagnosis/ID) (1,3)				
Mechanical damage (Abiotic disorder)	0	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0
White pine sitka spruce weevil (Pissodes strobi)	0	0	1	0
Mushroom (general) (Host,Diagnosis/ID) (1,1)				
Blue mold rot (Penicillium sp./spp.)	1	0	0	0
Mustard Greens (Brassica juncea) (Host,Diagnosis/ID) (2,6)				
Black leg; Phoma root rot (Leptosphaeria macullans)	1	0	0	0
Blue mold rot (Penicillium sp./spp.)	1	0	0	0
Fusarium seed rot (Decay) (Fusarium sp./spp.)	1	0	0	0

Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Seed rot (<i>Alternaria</i> sp./spp.)	1	0	0	0
Sooty mold; Black dot (<i>Epicoccum</i> sp./spp.)	1	0	0	0
Nanking Cherry (<i>Prunus tomentosa</i>) (Host,Diagnosis/ID) (1,3)				
Lichens (Lichenes)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Norway Spruce (<i>Picea abies</i>) (Host,Diagnosis/ID) (1,4)				
Sooty mold (Unidentified Fungus)	1	0	0	0
Spider mite injury (Unidentified Spider Mite)	1	0	0	0
Spruce needle cast (<i>Stigmina</i> sp./spp.)	1	0	0	0
Sudden needle drop: spruce needle drop (<i>Setomelanomma holmii</i>)	1	0	0	0
Oak (ornamental) (<i>Quercus</i> sp./spp.) (Host,Diagnosis/ID) (2,4)				
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
Oak leaf blister (<i>Taphrina caerulescens</i>)	1	0	0	0
Oak (<i>Quercus</i> sp./spp.) (Host,Diagnosis/ID) (2,3)				
Erineum galls (Family Eriophyidae)	0	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0
Oak skeletonizer (<i>Bucculatrix ainliella</i>)	0	0	1	0
Okra (<i>Abelmoschus esculentus</i>) (Host,Diagnosis/ID) (1,2)				
Crown and stem rot (<i>Fusarium</i> sp./spp.)	1	0	0	0
Fusarium wilt; Fusarium wilt complex (<i>Fusarium</i> sp./spp.)	1	0	0	0
Onion (<i>Allium cepa</i>) (Host,Diagnosis/ID) (4,9)				
<i>Alternaria</i> leaf blight (<i>Alternaria</i> sp./spp.)	1	0	0	0
No insect found (Identification Analysis)	3	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Onion purple (Brown) blotch (<i>Alternaria porri</i>)	1	0	0	0
Stemphylium leaf spot (<i>Stemphylium</i> sp./spp.)	1	0	0	0
Unspecified pathology (<i>Botrytis</i> sp./spp.)	2	0	0	0
Peach (<i>Prunus persica</i>) (Host,Diagnosis/ID) (4,6)				
Additional sample requested (Identification Analysis)	1	0	0	0
Brown rot; Blossom blight; Fruit rot (<i>Monilinia</i> sp./spp.)	1	0	0	0
Peach leaf curl (<i>Taphrina deformans</i>)	3	0	1	0
Pear (ornamental) (<i>Pyrus</i> sp./spp.) (Host,Diagnosis/ID) (2,5)				
Additional sample requested (Identification Analysis)	1	0	0	0
Branch canker and dieback (Unidentified Agent)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
Rust (<i>Gymnosporangium</i> sp./spp.)	1	0	0	0

Wood boring insect damage (Unidentified Wood Boring Insect)	0	0	1	0
Pear (Pyrus communis) (Host,Diagnosis/ID) (1,1)				
Pearleaf blister mite (Eriophyes pyri)	1	0	0	0
Peony (Paeonia sp./spp.) (Host,Diagnosis/ID) (1,3)				
Chemical injury (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
Undetermined injury (Identification Analysis)	0	0	0	0
Pepper (Capsicum sp./spp.) (Host,Diagnosis/ID) (3,7)				
Abnormal fruit development (Abiotic Disorder)	1	0	0	0
Aphids; Plant lice (Family Aphididae)	1	0	0	0
Broad mite (Polyphagotarsonemus latus)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Rhizoctonia damping off (Rhizoctonia sp./spp.)	1	0	0	0
Russetting (Abiotic disorder)	1	0	0	0
Petunias (Petunia sp./spp. hybrids) (Host,Diagnosis/ID) (1,3)				
Iron deficiency (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Pine (Pinus sp./spp.) (Host,Diagnosis/ID) (3,5)				
Dothistroma needle blight (Mycosphaerella pini)	1	0	0	0
Pestalotiopsis canker/ dieback (Pestalotiopsis sp./spp.)	1	0	0	0
Pine needle scale (Chionaspis pinifoliae)	0	0	1	0
Tip blight (Diplodia sp./spp.)	1	0	0	0
Weevil (Pissodes sp./spp.)	0	0	1	0
Pinks (Dianthus sp./spp.) (Host,Diagnosis/ID) (1,4)				
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	0	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	0	0	0	1
Rhizoctonia damping off (Rhizoctonia sp./spp.)	1	0	0	0
Planetree; Sycamore (Platanus sp./spp.) (Host,Diagnosis/ID) (2,4)				
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
Sycamore lace bug (Corythucha ciliata)	1	0	0	0
Plum (Prunus sp./spp.) (Host,Diagnosis/ID) (1,3)				
Heat and water stress (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Potato (seed) (Solanum tuberosum) (Host,Diagnosis/ID) (1,3)				
Bacterial soft rot (Unidentified Bacterium)	1	0	0	0

Mechanical damage (Abiotic disorder)	0	0	1	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Potato (<i>Solanum tuberosum</i>) (Host,Diagnosis/ID) (2,6)				
Bacterial soft rot (Unidentified Bacterium)	1	0	0	0
Early blight; Leaf spot (<i>Alternaria solani</i>)	1	0	0	0
Mechanical damage (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	2	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Potato Family (Family solanaceae) (Host,Diagnosis/ID) (1,3)				
<i>Alternaria</i> stem canker (<i>Alternaria alternata</i>)	0	0	1	0
<i>Botrytis</i> canker (<i>Botrytis</i> sp./spp.)	0	0	1	0
Leaf /stem/twig blight; Rot; Gray mold (<i>Botrytis cinerea</i>)	1	0	0	0
Purpleleaf Sand cherry (<i>Prunus x cistena</i>) (Host,Diagnosis/ID) (1,4)				
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
Tent caterpillar (<i>Malacosoma</i> sp./spp.)	0	0	1	0
Radish (<i>Raphanus sativus</i>) (Host,Diagnosis/ID) (2,5)				
<i>Alternaria</i> leaf spot (<i>Alternaria</i> sp./spp.)	1	0	0	0
Downy mildew (<i>Peronospora parasitica</i>)	1	0	0	0
Leafminer ()	0	0	0	1
No insect found (Identification Analysis)	1	0	0	0
<i>Rhizoctonia</i> root rot (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Raspberry (<i>Rubus</i> sp./spp.) (Host,Diagnosis/ID) (8,19)				
Anthracnose (<i>Elsinoe</i> sp./spp.)	1	0	0	0
Cane blight; Canker (<i>Leptosphaeria coniothyrium</i>)	0	0	1	0
Insect damage (Unidentified Insect)	2	0	0	0
Leaf spot (<i>Sphaerulina rubi</i>)	1	0	0	0
Low pH; Nutrient imbalance (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	0	0	0	1
No pathogen found (Identification Analysis)	1	0	0	0
Nutrient imbalance (Abiotic disorder)	0	0	1	0
Plant identification (Identification Analysis)	0	0	0	1
Raspberry cane borer (<i>Oberea bimaculata</i>)	0	0	1	0
Raspberry cane maggot (<i>Pegomya rubivora</i>)	0	0	1	0
Rednecked cane borer (<i>Agrilus ruficollis</i>)	0	0	2	0
Root problem (Unknown Cause)	0	0	1	0
<i>Septoria</i> leaf and cane spot (<i>Mycosphaerella rubi</i>)	1	0	0	0
Spur; Cane blight (<i>Didymella applanata</i>)	0	0	2	0
Unidentified virus (Unidentified Virus)	0	0	1	0

Red Maple (Acer rubrum) (Host,Diagnosis/ID) (1,3)				
Leaf scorch (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
Red Osier dogwood (Cornus sericea) (Host,Diagnosis/ID) (1,1)				
Asiatic garden beetle (Maladera castanea)	0	0	1	0
Rose (Rosa sp./spp.) (Host,Diagnosis/ID) (1,1)				
Roseslug (Endelomyia sp./spp.)	1	0	0	0
Rose-of-sharon; Shrub-althea (Hibiscus syriacus) (Host,Diagnosis/ID) (1,1)				
Hibiscus sawfly (Hollyhock) (Atomacera decepta)	0	0	1	0
Rosemary (Rosmarinus officinalis) (Host,Diagnosis/ID) (2,6)				
Moisture stress (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
Root problem (Unknown Cause)	0	0	1	0
Root rot (Unidentified Agent)	1	0	0	0
Scots Pine (Pinus sylvestris) (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
Serbian Spruce (Picea omorika) (Host,Diagnosis/ID) (1,3)				
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Winter injury (Abiotic disorder)	0	0	1	0
Serviceberry (Amelanchier sp./spp.) (Host,Diagnosis/ID) (2,4)				
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
leafroller (undetermined specie) ()	0	0	1	0
Root problem (Unknown Cause)	0	0	0	1
Rosy apple aphid (Dysaphis plantaginea)	0	0	1	0
Siberian Iris (Iris siberica) (Host,Diagnosis/ID) (1,1)				
Iris bud fly (Neorthocheta dissimilis)	0	0	1	0
Sour Cherry (Prunus cerasus) (Host,Diagnosis/ID) (1,2)				
Brown rot; Blossom blight; Fruit rot (Monilinia sp./spp.)	0	0	1	0
Leaf spot; Shothole (Blumeriella sp./spp.)	0	0	1	0
Soybean (Glycine max) (Host,Diagnosis/ID) (1,2)				
No insect found (Identification Analysis)	1	0	0	0
Soybean downy mildew (Peronospora manshurica)	1	0	0	0
Spinach (Spinacia oleracea) (Host,Diagnosis/ID) (5,14)				
Botrytis blight (Botrytis sp./spp.)	1	0	0	0

Bulb mite (<i>Rhizoglyphus</i> sp./spp.)	0	0	1	0
Cultural/environmental problem (Abiotic disorder)	0	0	1	0
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
Fusarium root; Crown rot (<i>Fusarium</i> sp./spp.)	1	0	0	0
No insect found (Identification Analysis)	2	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Poor root development (Abiotic disorder)	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
Scorch (Abiotic disorder)	0	0	1	0
Seedcorn maggot (<i>Delia</i> (<i>Hylemya</i>) <i>platura</i>)	1	0	0	0
Verticillium dieback (<i>Verticillium</i> sp./spp.)	1	0	0	0
Spirea (<i>Spiraea</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (1,2)				
No insect found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Spruce (<i>Picea</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (2,10)				
Lichens (Lichenes)	2	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Poor root development (Abiotic disorder)	0	0	1	0
Rhizosphaera needle cast (<i>Rhizosphaera</i> sp./spp.)	1	0	0	0
Sooty mold (Unidentified Fungus)	1	0	0	0
Spider mite injury (Unidentified Spider Mite)	1	0	0	0
Spider mites (Family Tetranychidae)	1	0	0	0
Spruce bud scale (<i>Physokermes</i> sp./spp.)	0	0	1	0
Spruce needle cast (<i>Stigmina</i> sp./spp.)	1	0	0	0
Squash (<i>Cucurbita</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (4,10)				
Anthracnose fruit rot (<i>Colletotrichum</i> sp./spp.)	1	0	0	0
Aphids; Plant lice (Family Aphididae)	1	0	0	0
Bacterial leaf spot (<i>Pseudomonas</i> sp./spp.)	1	0	0	0
Black rot (<i>Didymella bryoniae</i>)	1	0	0	0
Cucumber scab; Gummosis (<i>Cladosporium cucumerinum</i>)	1	0	0	0
Cucurbit gummy stem blight (<i>Didymella bryoniae</i>)	1	0	0	0
Fusarium canker (<i>Fusarium</i> sp./spp.)	1	0	0	0
No insect found (Identification Analysis)	2	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Star Magnolia (<i>Magnolia stellata</i>) (<i>Host,Diagnosis/ID</i>) (1,2)				
Magnolia scale (<i>Neolecanium cornuparvum</i>)	0	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0
Stinging Nettle (<i>Urtica</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (1,1)				
Red admiral butterfly (<i>Vanessa atalanta</i>)	1	0	0	0

Strawberry (<i>Fragaria sp./spp.</i>) (Host,Diagnosis/ID) (6,13)				
Chemical injury (Abiotic disorder)	0	0	1	0
Crown and root rot (Unidentified Agent)	0	0	0	1
Freeze; Frost; Cold damage (Abiotic disorder)	0	0	1	0
High pH; Low soluble salt damage (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	2	0	0	0
No pathogen found (Identification Analysis)	2	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Potato leafhopper (<i>Empoasca fabae</i>)	0	0	1	0
Powdery mildew (<i>Podosphaera sp./spp.</i>)	1	0	0	0
Rhizoctonia root rot (<i>Rhizoctonia sp./spp.</i>)	1	0	0	0
Rhizoctonia root; Crown rot (<i>Rhizoctonia sp./spp.</i>)	1	0	0	0
Striped Bark maple (<i>Acer davidii</i>) (Host,Diagnosis/ID) (1,1)				
Anthracnose (Unidentified Fungus)	0	0	1	0
Sudangrass (<i>Sorghum x drummondii</i>) (Host,Diagnosis/ID) (1,1)				
Helminthosporium leaf spot (<i>Drechslera sp./spp.</i>)	1	0	0	0
Sugar Beet (<i>Beta vulgaris vulgaris</i>) (Host,Diagnosis/ID) (1,1)				
Cercospora leaf spot (<i>Cercospora sp./spp.</i>)	0	0	1	0
Sugar Maple (<i>Acer saccharum</i>) (Host,Diagnosis/ID) (1,1)				
Sap stain; Sapstreak (<i>Ceratocystis spp.</i>) ()	0	0	1	0
Sweet Basil (<i>Ocimum basilicum</i>) (Host,Diagnosis/ID) (4,5)				
Basil downy mildew (<i>Peronospora belbahrii</i>)	1	0	2	0
No insect found (Identification Analysis)	1	0	0	0
Rhizoctonia stem and root rot (<i>Rhizoctonia sp./spp.</i>)	1	0	0	0
Sweetpea (<i>Lathyrus odoratus</i>) (Host,Diagnosis/ID) (1,1)				
Additional sample requested (Identification Analysis)	1	0	0	0
Sweetpotato (<i>Ipomoea batatas</i>) (Host,Diagnosis/ID) (1,4)				
Cold wet soils (Abiotic disorder)	0	0	1	0
Mechanical damage (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
Rhizopus rot (<i>Rhizopus sp./spp.</i>)	1	0	0	0
Swiss Chard (<i>Beta vulgaris var. cicla</i>) (Host,Diagnosis/ID) (1,3)				
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
Tomato (<i>Lycopersicon esculentum</i>) (Host,Diagnosis/ID) (27,69)				
Bacterial wilt; Canker; Rot (<i>Clavibacter michiganensis</i>)	2	0	0	0
Blossom end rot (Abiotic disorder)	1	0	0	0
Botrytis canker (<i>Botrytis sp./spp.</i>)	1	0	0	0
Chemical; Environmental injury (Abiotic disorder)	0	0	3	0

Early blight; Leaf spot (<i>Alternaria solani</i>)	2	0	1	0
Environmental stress; Problem (Abiotic disorder)	0	0	4	0
Fusarium wilt; Fusarium wilt complex (<i>Fusarium sp./spp.</i>)	0	0	1	0
ghost spot; gray mold (<i>Botrytis sp.</i>)	1	0	0	0
Glyphosate injury (Abiotic disorder)	0	0	1	0
Heat and water stress (Abiotic disorder)	0	0	1	0
Insect damage (Unidentified Insect)	0	0	1	0
Leaf blight; Leaf spot (<i>Botrytis sp./spp.</i>)	1	0	0	0
Leaf mold (<i>Fulvia fulva</i>)	1	0	0	0
Magnesium deficiency (Abiotic disorder)	0	0	2	0
No insect found (Identification Analysis)	14	0	0	0
No pathogen found (Identification Analysis)	10	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	5	0	1	0
Nutrient imbalance (Abiotic disorder)	0	0	2	0
Oedema; Edema (Abiotic disorder)	0	0	1	0
Physiological responses (Abiotic disorder)	0	0	1	0
Poor root development (Abiotic disorder)	0	0	0	0
Potato black dot (<i>Colletotrichum coccodes</i>)	1	0	0	0
Rhizoctonia root rot (<i>Rhizoctonia sp./spp.</i>)	1	0	0	0
Stem canker (Unidentified Canker)	1	0	0	0
Stemphylium leaf spot (<i>Stemphylium sp./spp.</i>)	1	0	0	0
Sunscald (Abiotic disorder)	0	0	1	0
Unidentified virus (Unidentified Virus)	0	0	1	0
Yellow shoulder; Water imbalance (Abiotic disorder)	0	0	2	0
Tomato (<i>Lycopersicon sp./spp.</i>) (Host,Diagnosis/ID) (7,13)				
Botrytis blight (<i>Botrytis sp./spp.</i>)	1	0	0	0
Botrytis canker (<i>Botrytis sp./spp.</i>)	1	0	0	0
High temperature damage (Abiotic disorder)	0	0	1	0
Magnesium deficiency (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	3	0	0	0
No pathogen found (Identification Analysis)	2	0	0	0
Physiological leaf roll (Abiotic disorder)	0	0	1	0
Powdery mildew (<i>Oidium sp./spp.</i>)	0	0	1	0
Septoria leaf spot (<i>Septoria sp./spp.</i>)	1	0	0	0
Stemphylium leaf spot (<i>Stemphylium sp./spp.</i>)	1	0	0	0
Turnip (greens) (<i>Brassica rapa</i>) (Host,Diagnosis/ID) (1,3)				
<i>Alternaria</i> leaf spot (<i>Alternaria sp./spp.</i>)	1	0	0	0
Flea beetles (Subfamily Alticinae)	1	0	0	0
Natural senescence (Abiotic disorder)	0	0	1	0
Unknown tree () (Host,Diagnosis/ID) (1,1)				
Buckthorn family (Family Rhamnaceae)	0	0	1	0

Unknown Weeds; unknown plants (Mixed species) (Host,Diagnosis/ID) (11,11)				
Annual sowthistle (Sonchus oleraceus)	1	0	0	0
Buckthorn family (Family Rhamnaceae)	0	0	1	0
Common shadbush; Saskatoon (Amelanchier alnifolia)	1	0	0	0
Crabapple (Malus sp./spp.)	1	0	0	0
Deutzia sp ()	1	0	0	0
Horseweed (Conyza sp./spp.)	1	0	0	0
Red sorrel (Rumex acetosella)	1	0	0	0
Russian olive (Elaeagnus angustifolia)	1	0	0	0
Sedums; Stonecrops (Family Crassulaceae)	1	0	0	0
Woodsorrels (Family Oxalidaceae)	1	0	0	0
Yarrow; Common (Achillea millefolium)	1	0	0	0
Unknown; No site specified (No site specified) (Host,Diagnosis/ID) (2,3)				
Amynthas tokiensis ()	1	0	0	0
Jumping worm; Crazy worm (Amynthas agrestis)	1	0	0	0
Spittlebug (undetermined specie) ()	1	0	0	0
Vegetables (Mixed species) (Host,Diagnosis/ID) (1,2)				
Cyclamen mite (Phytonemus (Steneotarsonemus) pallidus)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Viburnum (Viburnum sp./spp.) (Host,Diagnosis/ID) (1,1)				
Viburnum leaf beetle (Pyrrhalta viburni)	0	0	1	0
Viola (Viola cornuta) (Host,Diagnosis/ID) (1,1)				
Leaf rust; Rust (Puccinia sp./spp.)	1	0	0	0
Walnut (Juglans sp./spp.) (Host,Diagnosis/ID) (1,1)				
Walnut lace bug (Corythucha juglandis)	1	0	0	0
White Spruce (Picea glauca) (Host,Diagnosis/ID) (1,3)				
Rhizosphaera needle cast (Rhizosphaera sp./spp.)	1	0	0	0
Spruce bud midge (Dasineura swainei)	0	0	1	0
Spruce needle cast (Stigmina sp./spp.)	1	0	0	0
Woody Ornamentals (Woody ornamentals mixed species) (Host,Diagnosis/ID) (1,6)				
Maple anthracnose (Aureobasidium apocryptum)	1	0	0	0
Maple tar spot (Rhytisma acerinum)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Unspecified pathology (Botrytis sp./spp.)	1	0	0	0
White mold (Sclerotinia sp./spp.)	1	0	0	0
Zinnia (Zinnia sp./spp. hybrids) (Host,Diagnosis/ID) (1,1)				
Chemical; Environmental injury (Abiotic disorder)	0	0	1	0
Zucchini Squash (Cucurbita pepo melopepo) (Host,Diagnosis/ID) (1,1)				
Coreid squash bug (Anasa sp./spp.)	0	0	1	0