

PLANT DIAGNOSTIC CLINIC 2021



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-2021 through 12/31/2021. A total of 131 sample(s) have been processed during this time period.

The following diagnosticians were involved in processing samples for the laboratory from 01-Jan-2021 through 31-Dec-2021.

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.

Ann Hazelrigg, processed 59 sample(s).

The following Advisory Consultants provided advice for the laboratory from 01-Jan-2021 through 31-Dec-2021.

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.

Crystal Stewart-Courtens, gave advice for 1 sample(s).

Michael Sundue, gave advice for 1 sample(s).

Vern Grubinger, 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, 131 sample(s) completed, 0 sample(s) archived.

The following Personnel provided checked-in samples for the laboratory from 01-Jan-2021 through 31-Dec-2021.

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.

Gabriella Maia, processed 131 sample(s).

The following Personnel provided Client responses by writing up samples for the laboratory from 01-Jan-2021 through 31-Dec-2021.

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-2017 to present.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2021	0	64	0	0	0	0	0	24	43	0	0	0	131
2020	2	3	4	0	10	0	0	0	0	0	0	0	19
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

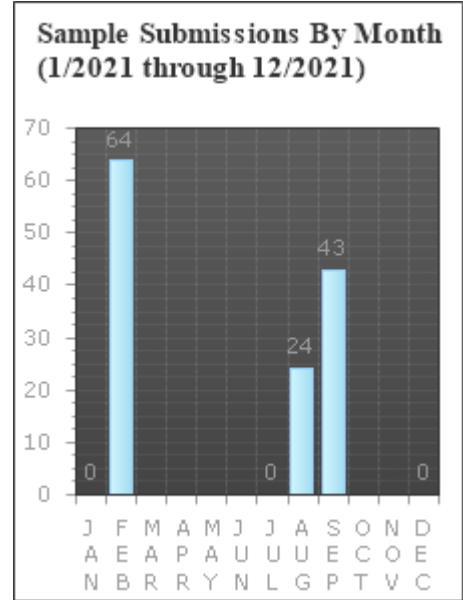
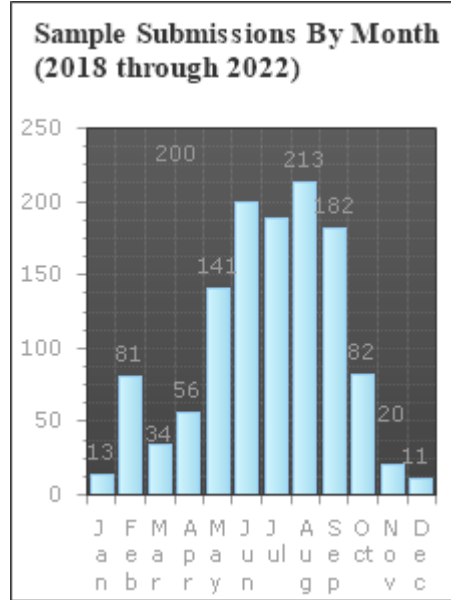
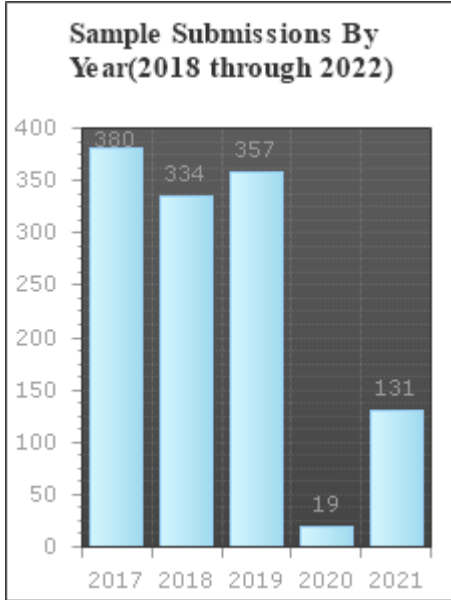


Table 2. Number of Sample Submissions by Client Type from 01-Jan-2021 through 31-Dec-2021 .

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	86	65.65
Left Blank	14	10.69
Homeowner/Home Gardener	12	9.16
Researcher/Specialist	6	4.58
Arborist	5	3.82
Landscaper	4	3.05
Left Blank	2	1.53
Crop Consultant	1	0.76
Greenhouse/Hydroponic	1	0.76
Total	131	100%

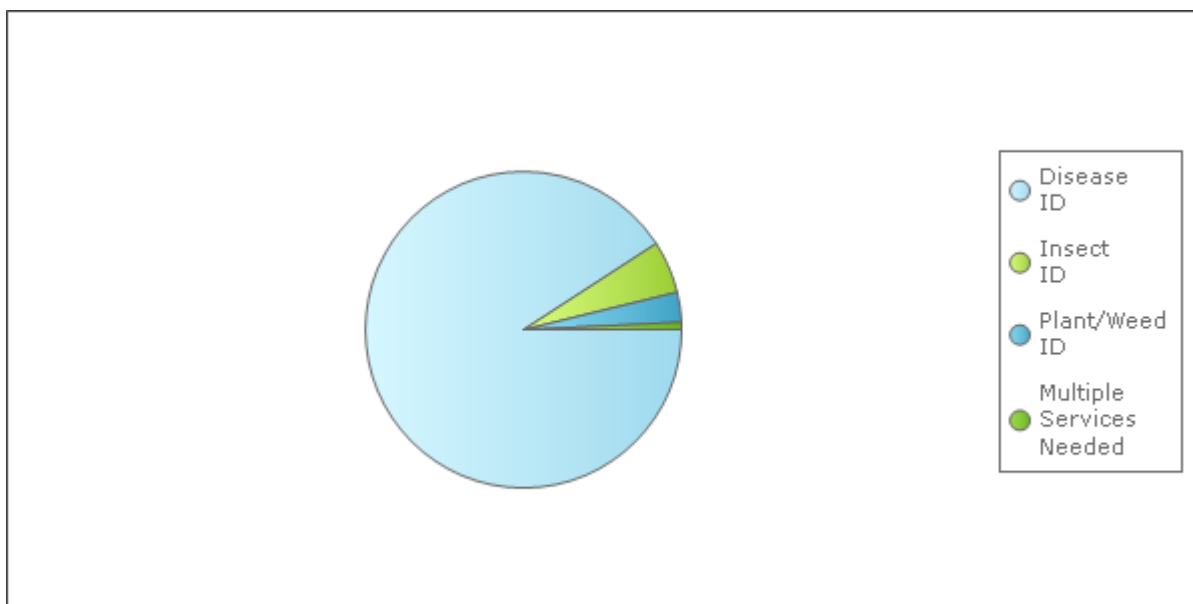
Table 3. Samples originated from the following states and counties from 01-Jan-2021 through 31-Dec-2021.

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
ME	Cumberland	1
ME	STATE TOTAL	1
VT	Addison	14
VT	Bennington	4
VT	Caledonia	5
VT	Chittenden	52
VT	Franklin	3
VT	Grand Isle	5
VT	Orange	5
VT	Orleans	1
VT	Rutland	10
VT	Washington	5
VT	Windham	18
VT	Windsor	8
VT	STATE TOTAL	130
	GRAND TOTAL	131

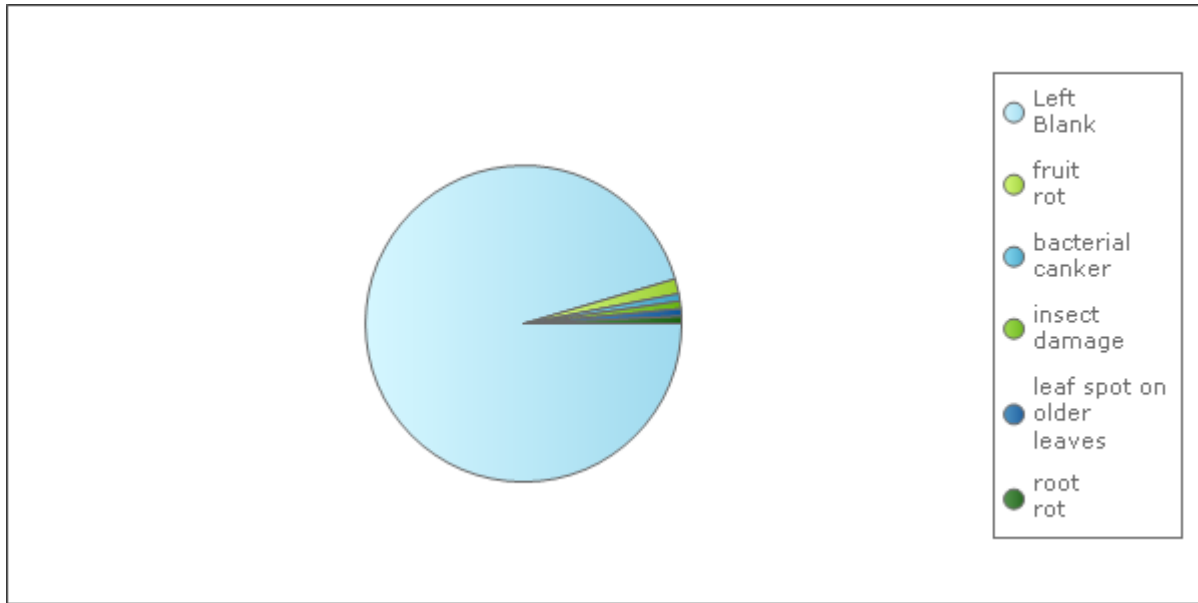
Table 4. Number of Sample Submissions by Diagnosis Needed from 01-Jan-2021 through 31-Dec-2021.

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	119	90.84
Insect ID	7	5.34
Plant/Weed ID	4	3.05
Multiple Services Needed	1	0.76
Total	131	100%

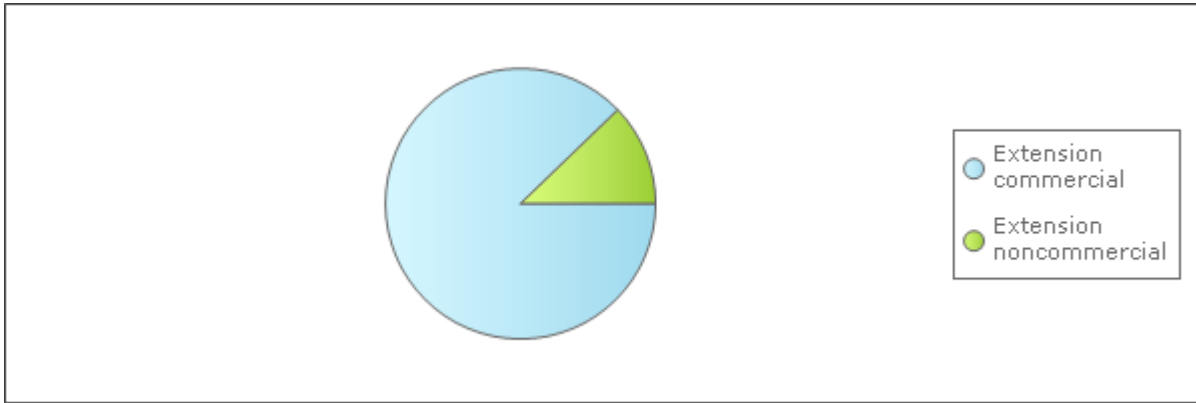
Table 5. Number of Sample Submissions by Suspected Problem from 01-Jan-2021 through 31-Dec-2021 .
This section reports suspected problem for the samples from all statuses. Hence, this section represents the total number of samples processed during this time period.



Suspected Problem	Number of Samples	%
Left Blank	125	95.42
fruit rot	2	1.53
bacterial canker	1	0.76
insect damage	1	0.76
leaf spot on older leaves	1	0.76
root rot	1	0.76
Total	131	100%

Table 6. Number of Sample Submissions by Sample Source from 01-Jan-2021 through 31-Dec-2021.

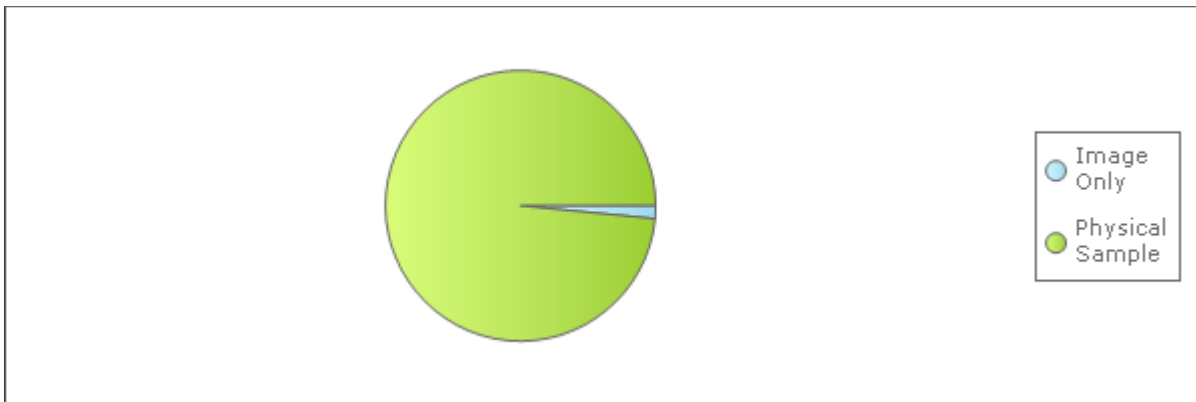
This section reports sample source for the samples from all statuses. Hence, this section represents the total number of samples processed during this time period.



Sample Source	Number of Samples	%
Extension commercial	115	87.79
Extension noncommercial	16	12.21
Total	131	100%

Table 7. Number of Sample Submissions by Type of Sample from 01-Jan-2021 through 31-Dec-2021.

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	2	1.53
Physical Sample	129	98.47
Total	131	100%

Table 8. Number of Sample Submissions by Sample Category from 01-Jan-2021 through 31-Dec-2021.

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	66	50.38
Annual	15	11.45
Small Fruit	13	9.92
Woody ornamental -Deciduous	12	9.16
Field crops	6	4.58
Fruit	6	4.58
Woody ornamental - Evergreen	4	3.05
Perennial	3	2.29
Left Blank	2	1.53
InsectID	1	0.76
Multiple hosts	1	0.76
Food	1	0.76
Food/Furnishings-insectID	1	0.76
Total	131	100%

Table 9. Number of Sample Submissions by Sample Material Submitted from 01-Jan-2021 through 31-Dec-2021.

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
Entire plant	58
Leaves/needles	56
Branches/twigs	31
Fruit/seed	7
Roots	8
Bulbs	2
Adult Insect	1

Table 10. Number of Sample Submissions and Diagnosis/ID by Host/Habitat from 01-Jan-2021 through 31-Dec-2021.

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
American Elderberry (<i>Sambucus canadensis</i>) (Host,Diagnosis/ID) (1,4)				
2,4-D injury (Abiotic disorder)	0	0	1	0
Broad mite (<i>Polyphagotarsonemus latus</i>)	0	0	1	0
Ethylene exposure (Abiotic disorder)	0	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0
Ashwaganda (<i>Withania somnifera</i>) (Host,Diagnosis/ID) (1,2)				
Alternaria leaf blight (<i>Alternaria</i> sp./spp.)	1	0	0	0
Flea beetles (Subfamily Alticinae)	1	0	0	0
Balsam Fir (<i>Abies balsamea</i>) (Host,Diagnosis/ID) (2,2)				
Rhizosphaera needle cast (<i>Rhizosphaera</i> sp./spp.)	2	0	0	0
Bean (<i>Phaseolus</i> sp./spp.) (Host,Diagnosis/ID) (1,3)				
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Wind damage (Abiotic disorder)	0	0	1	0
Blackberry (<i>Rubus</i> sp./spp.) (Host,Diagnosis/ID) (1,2)				
No pathogen found (Identification Analysis)	1	0	0	0
Raspberry sawfly (<i>Monophadnoides geniculatus</i>)	0	0	1	0
Blueberry (<i>Vaccinium</i> sp./spp.) (Host,Diagnosis/ID) (3,5)				
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
Non-pathogenic; Saprophyte (Secondary Agents; Saprophytes; Unspecif.)	1	0	0	0
Phomopsis dieback; Tip blight; Canker (<i>Phomopsis</i> sp./spp.)	1	0	0	0
Boxwood (<i>Buxus</i> sp./spp.) (Host,Diagnosis/ID) (1,2)				
No pathogen found (Identification Analysis)	1	0	0	0
Psyllids damage (Family Psyllidae) ()	1	0	0	0
Broccoli (<i>Brassica oleracea</i> var. <i>botrytis</i>) (Host,Diagnosis/ID) (5,7)				
Alternaria leaf and head blight (<i>Alternaria</i> sp./spp.)	1	0	0	0
Alternaria leaf spot (<i>Alternaria</i> sp./spp.)	1	0	0	0
Bacterial black rot (<i>Xanthomonas</i> sp./spp.) ()	0	0	1	0
Boron deficiency (Abiotic disorder)	0	0	1	0
Crucifer clubroot (<i>Plasmodiophora brassicae</i>)	2	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Cantalope; Cantaloupe (<i>Cucumis melo cantalupensis</i>) (Host,Diagnosis/ID) (2,3)				
Alternaria leaf blight (<i>Alternaria</i> sp./spp.)	1	0	0	0
Gummy stem blight (<i>Didymella</i> sp./spp.)	1	0	0	0
Spider mites (Family Tetranychidae)	1	0	0	0

	Confirmed	Not Detected	Suspected	Undetermined
Carrot (<i>Daucus carota sativus</i>) (Host,Diagnosis/ID) (1,1)				
Root rot (<i>Thielaviopsis</i> sp./spp.)	1	0	0	0
Chrysanthemum (<i>Chrysanthemum</i> sp./spp. hybrids) (Host,Diagnosis/ID) (1,3)				
Heat 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
Cole Crops (<i>Brassica</i> sp./spp.) (Host,Diagnosis/ID) (3,6)				
Alternaria leaf spot (<i>Alternaria</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
Oedema; Edema (Abiotic disorder)	1	0	0	0
Wire stem (<i>Rhizoctonia solani</i>)	1	0	0	0
Crabapple (<i>Malus</i> sp./spp.) (Host,Diagnosis/ID) (1,1)				
No insect found (Identification Analysis)	1	0	0	0
crabapple (<i>Malus</i> spp) () (Host,Diagnosis/ID) (1,3)				
Fire blight (<i>Erwinia amylovora</i>)	0	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0
Root and or pot bound (Abiotic disorder)	0	0	1	0
Cucumber (<i>Cucumis sativus</i>) (Host,Diagnosis/ID) (9,13)				
Angular leaf spot (<i>Cercospora</i> sp./spp.)	1	0	0	0
Cucumber beetle (<i>Acalymma</i> sp./spp.)	0	0	1	0
Downy mildew (Unidentified Fungus)	3	0	0	0
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
Mechanical damage (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	1	0	0
No pathogen found (Identification Analysis)	2	0	0	0
<i>Rhizoctonia</i> crown and stem rot (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Thrips damage (Unidentified Thrips)	1	0	0	0
Cucumis Melons (<i>Cucumis</i> sp./spp.) (Host,Diagnosis/ID) (1,1)				
Gummy stem blight (<i>Didymella</i> sp./spp.)	1	0	0	0
Domestic Apple (<i>Malus domestica</i>) (Host,Diagnosis/ID) (1,1)				
Fire blight (<i>Erwinia amylovora</i>)	1	0	0	0
Eastern Cottonwood; necklace poplar (<i>Populus</i> spp) () (Host,Diagnosis/ID) (1,1)				
Dieback; Twig blight; Canker (<i>Botryosphaeria obtusa</i>)	0	0	1	0
Eggplant (<i>Solanum melogena</i>) (Host,Diagnosis/ID) (1,2)				
Spider mites (Family Tetranychidae)	1	0	0	0
Tarsonemid mites (Family Tarsonemidae)	1	0	0	0
Eggplant (<i>Solanum melongena</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
Elm (<i>Ulmus</i> sp./spp.) (Host,Diagnosis/ID) (1,1)				

	Confirmed	Not Detected	Suspected	Undetermined
Dutch elm disease (<i>Ophiostoma</i> sp./spp.)	1	0	0	0
Fava (broad) bean (<i>Vicia faba</i>) (<i>Host,Diagnosis/ID</i>) (1,1)				
Fusarium root rot (<i>Fusarium</i> sp./spp.)	1	0	0	0
Filbert (<i>Corylus</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (1,1)				
Dieback; Canker; Twig blight (<i>Botryosphaeria</i> sp./spp.)	1	0	0	0
Fir (<i>Abies</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (1,1)				
Scorch (Abiotic disorder)	0	0	1	0
Fleabane (<i>Erigeron</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (1,1)				
Fleabane (<i>Erigeron</i> sp./spp.)	1	0	0	0
Garden Beet (<i>Beta vulgaris</i>) (<i>Host,Diagnosis/ID</i>) (2,3)				
Chemical injury (Abiotic disorder)	0	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0
Rhizoctonia soilborne diseases (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Garlic (<i>Allium sativum</i>) (<i>Host,Diagnosis/ID</i>) (3,8)				
Bulb mite (<i>Rhizoglyphus</i> sp./spp.)	1	0	0	0
Fusarium dry rot; Bulb rot (<i>Fusarium</i> sp./spp.)	0	0	1	0
Fusarium root rot (<i>Fusarium</i> sp./spp.)	1	0	0	0
Grey mold; Stalk rot; Neck rot (<i>Botrytis allii</i>)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Springtails (Order Collembola)	1	0	0	0
Undetermined abiotic (orange color) ()	0	0	0	1
Hairy Pagoda-plant (<i>Blephilia hirsuta</i>) (<i>Host,Diagnosis/ID</i>) (1,4)				
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
Wind damage (Abiotic disorder)	0	0	1	0
Hemp (<i>Cannabis sativa</i>) (<i>Host,Diagnosis/ID</i>) (8,9)				
Diaporthe stem rot (<i>Diaporthe</i> sp./spp.)	1	0	0	0
Fusarium crown rot (<i>Fusarium</i> sp./spp.)	1	0	0	0
Powdery mildew (Unidentified Fungus)	1	0	0	0
Rhizoctonia root rot (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Septoria leaf spot (<i>Septoria</i> sp./spp.)	2	0	0	0
Springtails (Order Collembola)	1	0	0	0
Stem blight (<i>Fusarium</i> sp./spp.)	1	0	0	0
stem borer damage ()	1	0	0	0
Highbush Blueberry (<i>Vaccinium corymbosum</i>) (<i>Host,Diagnosis/ID</i>) (2,3)				
Blueberry tipworm (<i>Hendecaneura shawiana</i>)	1	0	0	0
Freeze; Frost; Cold damage (Abiotic disorder)	0	0	1	0
winter damage ()	1	0	0	0
Home and garden (habitat) (<i>Host,Diagnosis/ID</i>) (3,3)				

	Confirmed	Not Detected	Suspected	Undetermined
Enchanter's nightshade (<i>Circaea canadensis</i>)	1	0	0	0
Mealworm beetle (<i>Zophobas atratus</i>)	1	0	0	0
Virginia copperleaf (<i>Acalypha virginica</i>)	1	0	0	0
Hops (<i>Humulus lupulus</i>) (<i>Host,Diagnosis/ID</i>) (1,2)				
No insect found (Identification Analysis)	1	0	0	0
Rhizoctonia root; Crown rot (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Iris (<i>Iris</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (1,2)				
No insect found (Identification Analysis)	1	0	0	0
Rhizoctonia root; Crown rot (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Juniper (<i>Juniperus</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (1,4)				
Freeze; Frost; Cold damage (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
Phomopsis blight (<i>Phomopsis</i> sp./spp.)	1	0	0	0
Spider mites (Family Tetranychidae)	1	0	0	0
Kale (<i>Brassica oleracea acephala</i>) (<i>Host,Diagnosis/ID</i>) (1,1)				
Alternaria leaf spot (<i>Alternaria</i> sp./spp.)	1	0	0	0
Larkspur (<i>Delphinium</i> spp) (<i>Host,Diagnosis/ID</i>) (1,1)				
Crown rot (Unidentified Fungus)	0	0	0	1
Lettuce (<i>Lactuca sativa</i>) (<i>Host,Diagnosis/ID</i>) (5,6)				
Crown rot (<i>Rhizoctonia</i> sp./spp.)	1	0	0	0
Cultural/environmental problem (Abiotic disorder)	0	0	1	0
Downy mildew (Unidentified Fungus)	1	0	0	0
Green peach aphid (<i>Myzus persicae</i>)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Lisianthus (<i>Lisianthus</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (1,2)				
Fusarium crown and stalk rot (<i>Fusarium</i> sp./spp.)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
Maple (<i>Acer</i> sp./spp.) (<i>Host,Diagnosis/ID</i>) (1,1)				
Anthraxnose (<i>Elsinoe</i> sp./spp.)	1	0	0	0
mixed herbs () (<i>Host,Diagnosis/ID</i>) (1,3)				
Leaf spot (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Onion (<i>Allium cepa</i>) (<i>Host,Diagnosis/ID</i>) (3,4)				
Bacterial blight (Unidentified Bacteria)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
Onion thrips (Thrips spp.) ()	1	0	0	0
Stemphylium leaf spot (<i>Stemphylium</i> sp./spp.)	1	0	0	0
Orchardgrass (<i>Dactylis glomerata</i>) (<i>Host,Diagnosis/ID</i>) (1,1)				
Brown stripe (<i>Scolecotrichum graminis</i>)	1	0	0	0
Pasture (habitat) (<i>Host,Diagnosis/ID</i>) (1,1)				

	Confirmed	Not Detected	Suspected	Undetermined
Veronica speedwell (Veronica sp./spp.)	1	0	0	0
Pear (ornamental) (Pyrus sp./spp.) (Host,Diagnosis/ID) (2,2)				
Dieback; Canker; Twig blight (Botryosphaeria sp./spp.)	1	0	0	0
Mechanical damage (Abiotic disorder)	0	0	1	0
Peony (Paeonia sp./spp.) (Host,Diagnosis/ID) (2,2)				
Fusarium root rot (Fusarium sp./spp.)	1	0	0	0
Rose chafer (Macroductylus subspinosa)	1	0	0	0
Pepper (Capsicum annuum) (Host,Diagnosis/ID) (1,5)				
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	2	0	0	0
No pathogen found (Identification Analysis)	2	0	0	0
Pepper (Capsicum sp./spp.) (Host,Diagnosis/ID) (1,2)				
Tarsonemid mites (Family Tarsonemidae)	1	0	0	0
Thrips damage (Unidentified Thrips)	1	0	0	0
Plum (Prunus sp./spp.) (Host,Diagnosis/ID) (1,1)				
Black knot (Apiosporina morbosa)	1	0	0	0
Pumpkin (Cucurbita sp./spp.) (Host,Diagnosis/ID) (1,1)				
Plectosporium blight (Plectosporium sp./spp.)	1	0	0	0
Raspberry (Rubus sp./spp.) (Host,Diagnosis/ID) (3,8)				
Blue mold rot (Penicillium sp./spp.)	1	0	0	0
Botrytis fruit rot (Botrytis sp./spp.)	1	0	0	0
Chemical injury (Abiotic disorder)	0	1	0	0
Crown rot (Unidentified Fungus)	0	0	1	0
No insect found (Identification Analysis)	2	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Winter injury (Abiotic disorder)	0	0	1	0
Salvia; Sage (Salvia sp./spp.) (Host,Diagnosis/ID) (1,2)				
Alternaria leaf spot (Alternaria sp./spp.)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
Spider Flower (Cleome sp./spp.) (Host,Diagnosis/ID) (1,3)				
Ethylene exposure (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	1	0	0	0
No pathogen found (Identification Analysis)	1	0	0	0
Spinach (Spinacia oleracea) (Host,Diagnosis/ID) (6,13)				
Additional sample requested (Identification Analysis)	1	0	0	0
Cladosporium leaf spot (Cladosporium sp./spp.)	1	0	0	0
Cold wet soils (Abiotic disorder)	0	0	1	0
Crown and root rot (Unidentified Agent)	1	0	0	0
Fusarium root rot (Fusarium sp./spp.)	1	0	0	0
Lesion nematodes (Pratylenchus sp./spp.)	1	0	0	0
No insect found (Identification Analysis)	3	0	0	0
No pathogen found (Identification Analysis)	2	0	0	0

	Confirmed	Not Detected	Suspected	Undetermined
Root rot (Various Fungi)	0	0	0	1
Salt damage (Abiotic disorder)	0	0	1	0
Strawberry (<i>Fragaria sp./spp.</i>) (Host,Diagnosis/ID) (5,8)				
Anthraxnose fruit rot (<i>Colletotrichum sp./spp.</i>)	0	0	1	0
Botrytis fruit rot (<i>Botrytis sp./spp.</i>)	1	0	0	0
Crown rot (<i>Rhizoctonia sp./spp.</i>)	1	0	0	0
No insect found (Identification Analysis)	3	0	0	0
Powdery mildew (Unidentified Fungus)	1	0	0	0
Strawberry black root rot complex (Various Fungi)	0	0	1	0
Sunflower (<i>Helianthus sp./spp.</i>) (Host,Diagnosis/ID) (1,1)				
Alternaria leaf blight (<i>Alternaria sp./spp.</i>)	1	0	0	0
Sweet Basil (<i>Ocimum basilicum</i>) (Host,Diagnosis/ID) (1,2)				
Anthraxnose (<i>Colletotrichum capsici</i>)	1	0	0	0
No insect found (Identification Analysis)	1	0	0	0
tomato () (Host,Diagnosis/ID) (1,1)				
Blossom end rot (Abiotic disorder)	1	0	0	0
Tomato (<i>Lycopersicon esculentum</i>) (Host,Diagnosis/ID) (15,28)				
Alternaria leaf spot (<i>Alternaria sp./spp.</i>)	1	0	0	0
Bacterial wilt; Canker; Rot (<i>Clavibacter sp./spp.</i>)	0	0	1	0
Botrytis blight (<i>Botrytis sp./spp.</i>)	1	0	0	0
Corky root rot (<i>Pyrenochaeta lycopersici</i>)	2	0	0	0
Early blight; Leaf spot (<i>Alternaria solani</i>)	2	0	0	0
Environmental stress; Problem (Abiotic disorder)	0	0	1	0
Magnesium deficiency (Abiotic disorder)	2	0	3	0
Mechanical damage (Abiotic disorder)	0	0	1	0
No insect found (Identification Analysis)	5	0	0	0
No pathogen found (Identification Analysis)	3	0	0	0
Potassium deficiency (Abiotic disorder)	0	0	1	0
Powdery mildew (Unidentified Fungus)	1	0	0	0
Septoria leaf blotch (<i>Septoria sp./spp.</i>)	1	0	0	0
Thrips damage (Unidentified Thrips)	1	0	0	0
Tomato pith necrosis (<i>Pseudomonas sp./spp.</i>)	0	0	2	0
Tomato (<i>Lycopersicon sp./spp.</i>) (Host,Diagnosis/ID) (1,1)				
Tomato pith necrosis (<i>Pseudomonas sp./spp.</i>)	0	0	1	0
Tomato (<i>Solanum lycopersicum</i>) (Host,Diagnosis/ID) (3,4)				
Bollworm; Corn earworm (<i>Helicoverpa (Heliothis) zea</i>)	1	0	0	0
Leaf blight; Leaf spot (<i>Botrytis sp./spp.</i>)	1	0	0	0
Leaf spot (Abiotic disorder)	0	0	1	0
No pathogen found (Identification Analysis)	1	0	0	0
Vegetables (Mixed species) (Host,Diagnosis/ID) (1,1)				
Mechanical damage (Abiotic disorder)	0	0	1	0
Verbena (<i>Verbena sp./spp.</i>) (Host,Diagnosis/ID) (1,1)				

	Confirmed	Not Detected	Suspected	Undetermined
Fusarium stem; Root rot (Fusarium sp./spp.)	1	0	0	0
Watermelon (Citrullus lanatus) (Host,Diagnosis/ID) (2,3)				
Alternaria leaf blight (Alternaria sp./spp.)	1	0	0	0
Gummy stem blight (Didymella sp./spp.)	1	0	0	0
Twospotted spider mite (Tetranychus urticae)	1	0	0	0
Yellow Squash (Cucurbita pepo) (Host,Diagnosis/ID) (1,2)				
Fusarium root rot (Fusarium sp./spp.)	1	0	0	0
Plectosporium blight (Plectosporium sp./spp.)	1	0	0	0