2022 DIAGNOSTIC SUMMARY REPORT

University of Connecticut Plant Diagnostic Laboratory

A summary of the samples received and services rendered by the University of Connecticut Plant Diagnostic Laboratory in 2022. Data includes host, pathogen, and submission information. Confidential information of clients is withheld.

UCONN | COLLEGE OF AGRICULTURE, HEALTH AND NATURAL RESOURCES

Introduction

This document is a summary of the samples received and services rendered by the University of Connecticut Plant Diagnostic Laboratory in 2022. The University of Connecticut Plant Diagnostic Laboratory (UConn PDL) is a Cooperative Extension service laboratory located at the UConn campus in Storrs, CT. It is housed in the Department of Plant Science & Landscape Architecture, which is part of the College of Agriculture, Health, and Natural Resources. The lab offers plant disease diagnostic services, plant and pest identification, and management recommendations. These services are available to home gardeners, professional growers, landscape professionals, university researchers, and anyone with an interest in plant health.

In collaboration with the UConn Home & Garden Education Center (HGEC) and Soil Nutrient Analysis Laboratory (SNAL), the lab also provided complimentary horticultural consultation, plant health seminars, educational resources in the form of fact sheets, articles, and blog posts, and professional training for UConn students, Master Gardeners and individuals receiving UConn-sponsored pesticide certification training. The UConn PDL is a member lab of the National Plant Diagnostic Network and is funded, in part, by the United States Department of Agriculture - National Institute of Food and Agriculture (USDA-NIFA) and the state of Connecticut.

In 2022, the UConn PDL processed a total of 311 physical samples compared to 208 samples last year (2021), an increase of approximately 50%. At an average value of $50 to $100 per sample in saved time, labor, and resources, efforts of the lab in 2022 resulted in between $15,500 to more than $31,100 in direct savings to New England growers. Additionally, the lab directly responded to at least 350 stakeholder plant health inquires via phone, email, and walk-in. The lab also supported the efforts of the Home & Garden Education Center, which responded to more than 1,649 stakeholder inquiries in 2022. We hope to continue this upward trend in 2023.

I'd like to extend my sincere thanks to all of the folks that have supported us over the past year. Thank you! We look forward to helping you grow again in 2023.

Wishing you and yours a prosperous year,

- Nick Goltz, DPM
  UConn Plant Diagnostic Laboratory Director

About the cover photo: Interveinal banding is a common symptom associated with beech leaf disease, an emerging disease of beech trees (*Fagus spp.*) caused by the foliar nematode, *Litylenchus crenatae* subspecies *mccannii.* Foliar nematodes are microscopic worm-like creatures that live in, and feed on, plant leaf tissue. Scout for this disease by looking at beech leaves under a strong light. Areas where nematodes have been feeding will appear dark and sometimes puckered. Being detected in Connecticut for the first time only a few years ago, the pathogen and disease complex are still not well understood. Few management recommendations are available at this time. Due to this, wood from Connecticut beech trees should not be moved to new locations. Photo credit: Nick Goltz, DPM

SUBMITTER TYPE	NUMBER OF SAMPLES	TOTAL (%)
COMMERCIAL - AG	44	14%
COMMERCIAL - HORT	49	16%
EXTENSION AGENT	15	5%
HOME GARDENER	104	34%
OTHER	9	3%
UCONN FACULTY/STUDENT	90	29%
TOTAL	**311**	**100%**

Table 1. Submitter type/affiliation. The largest group by percentage was home gardeners (34%).

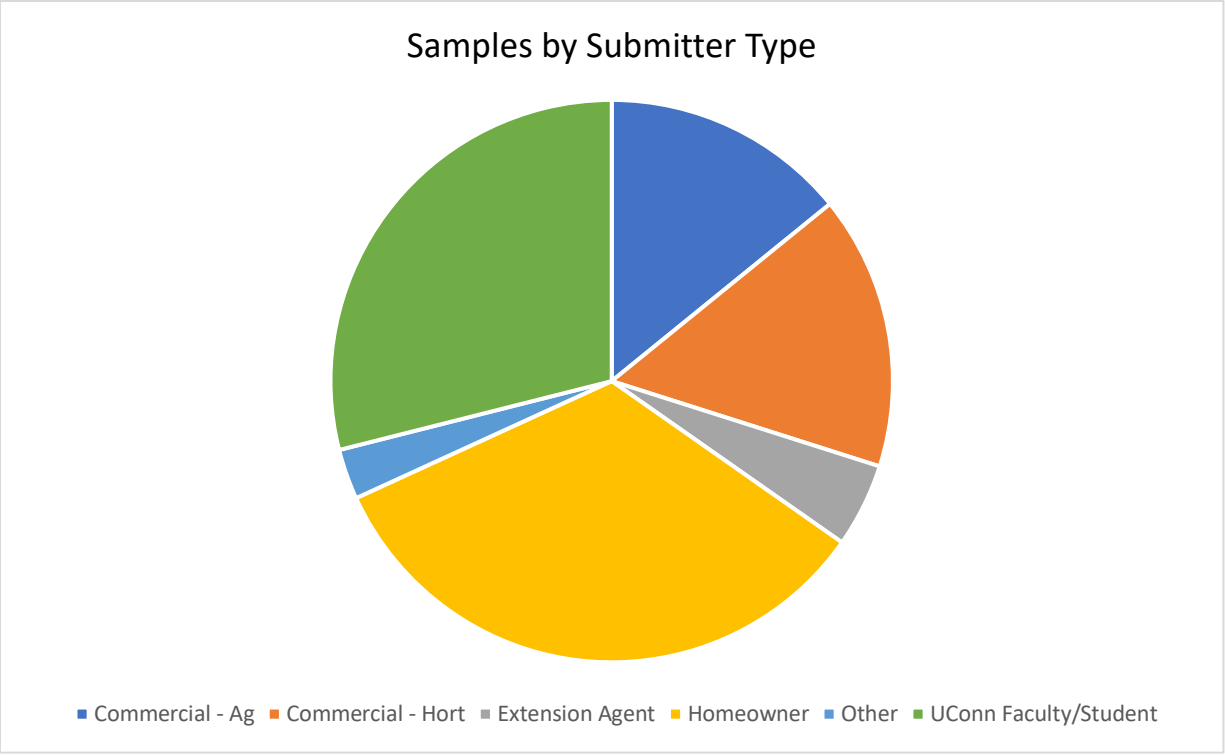

Figure 1. Graphic representation of submitter type/affiliation.

CROP LOCATION	NUMBER OF SAMPLES	TOTAL (%)
AGRONOMIC - FIELD	24	8.5%
AGRONOMIC - HYDROPONIC CULTIVATION	1	0.4%
AGRONOMIC - ORCHARD/GROVE	2	0.7%
AGRONOMIC - VINEYARD	0	0%
COMMERCIAL - GREENHOUSE	14	4.9%
COMMERCIAL - LANDSCAPE	38	13.4%
COMMERCIAL - NURSERY	12	4.2%
COMMERCIAL - RETAIL	0	0%
HOME - GARDEN	32	11.3%
HOME - INTERIORSCAPE	1	0.4%
HOME - LAWN/LANDSCAPE	66	23.2%
NATIVE HABITAT - RANGELAND	2	0.7%
OTHER	4	1.4%
PRIVATE - LANDSCAPE (PRIVATE INSTITUTION, PARK)	2	0.7%
PUBLIC - LANDSCAPE (SCHOOLS, MUNICIPALITY)	3	1.1%
RESEARCH	83	29.2%
TURF - GOLF COURSE	0	0%
TURF - PRODUCTION	0	0%
TURF - SPORT	0	0%
TOTAL	**284**	**91.3%**
SAMPLES WITH NO CROP LOCATION SPECIFIED	27	8.7%

Table 2. Sample location (crop location). Plants grown in a field, plot, or greenhouse for the purpose of conducting research comprised the largest group of samples (29.2%).

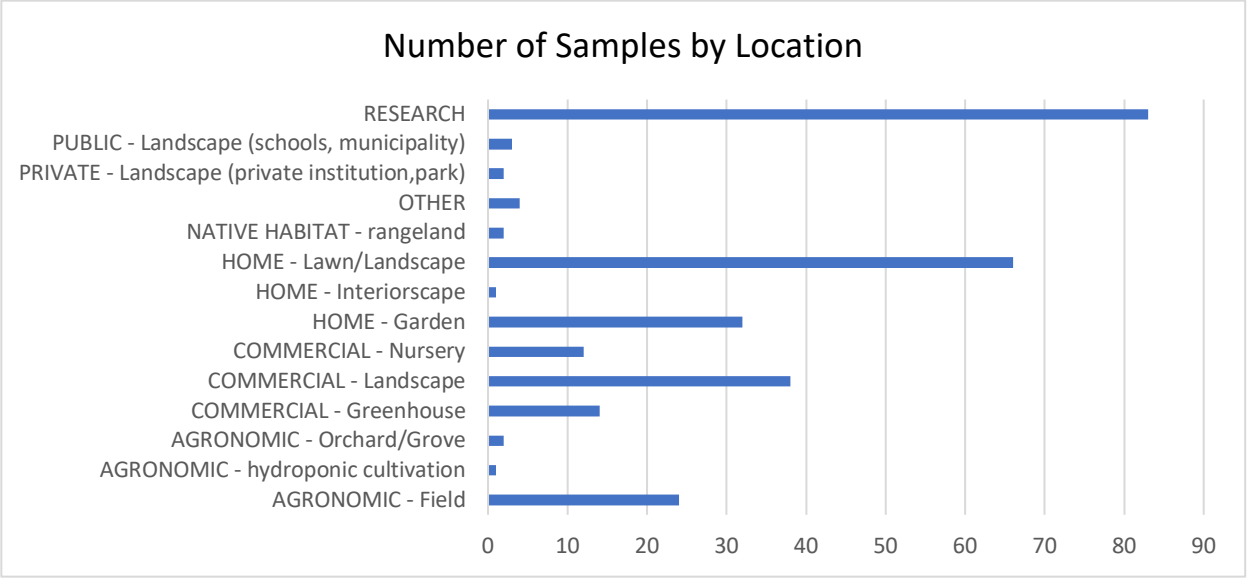

Figure 2. Graphic representation of samples received by location (crop location).

COUNTY	NUMBER OF SAMPLES	TOTAL (%)
BRISTOL, MA	8	2.6%
FAIRFIELD, CT	35	11.3%
HAMPDEN, MA	6	1.9%
HARTFORD, CT	22	7.1%
LITCHFIELD, CT	19	6.1%
MIDDLESEX, CT	4	1.3%
MIDDLESEX, MA	15	4.8%
NEW HAVEN, CT	15	4.8%
NEW LONDON, CT	15	4.8%
NEWPORT, RI	9	2.9%
RENSSELAER, NY	7	2.3%
TOLLAND, CT	131	41.9%
WASHINGTON, RI	4	1.3%
WESTCHESTER, NY	1	0.3%
WINDHAM, CT	20	6.5%
TOTAL	**311**	**100%**

Table 3. Geographic distribution of samples by county. Tolland county, CT had the most submissions.

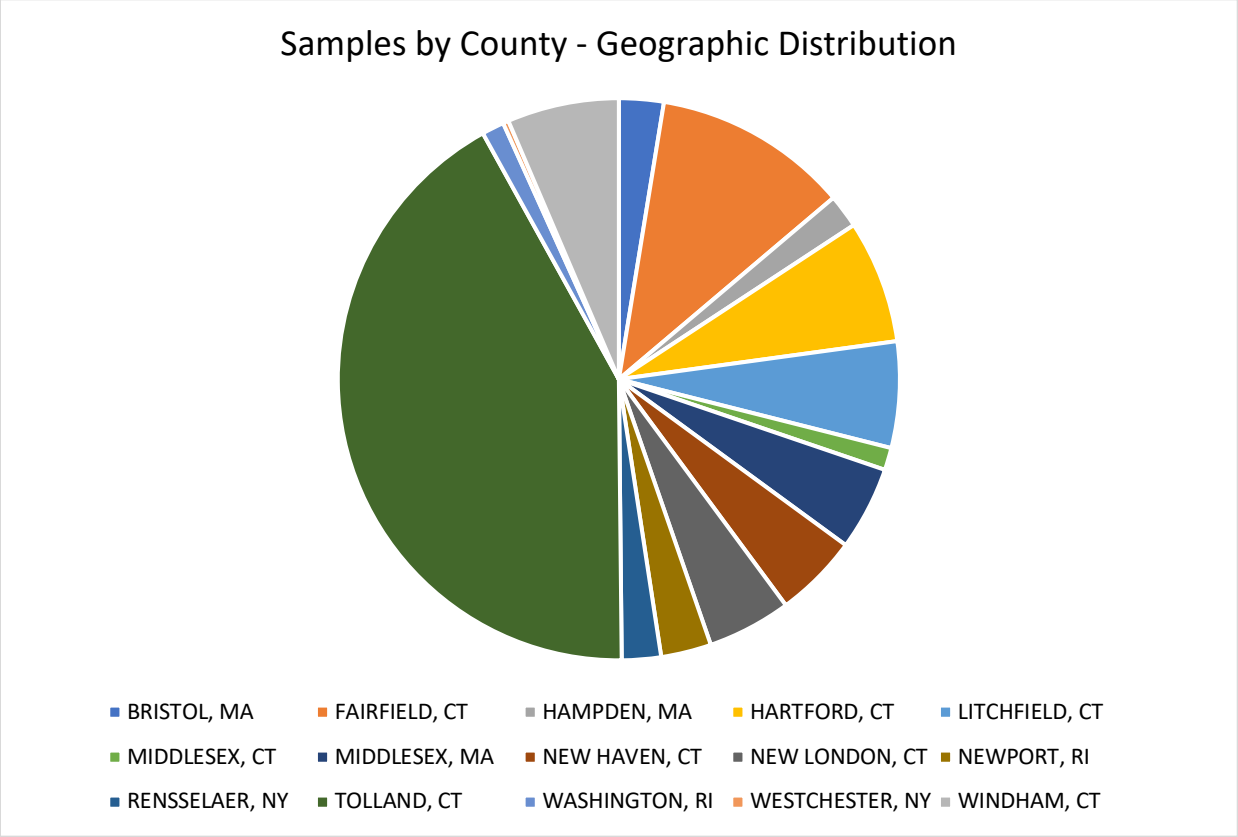

Figure 3. Graphic representation of geographic distribution of samples by county table above.

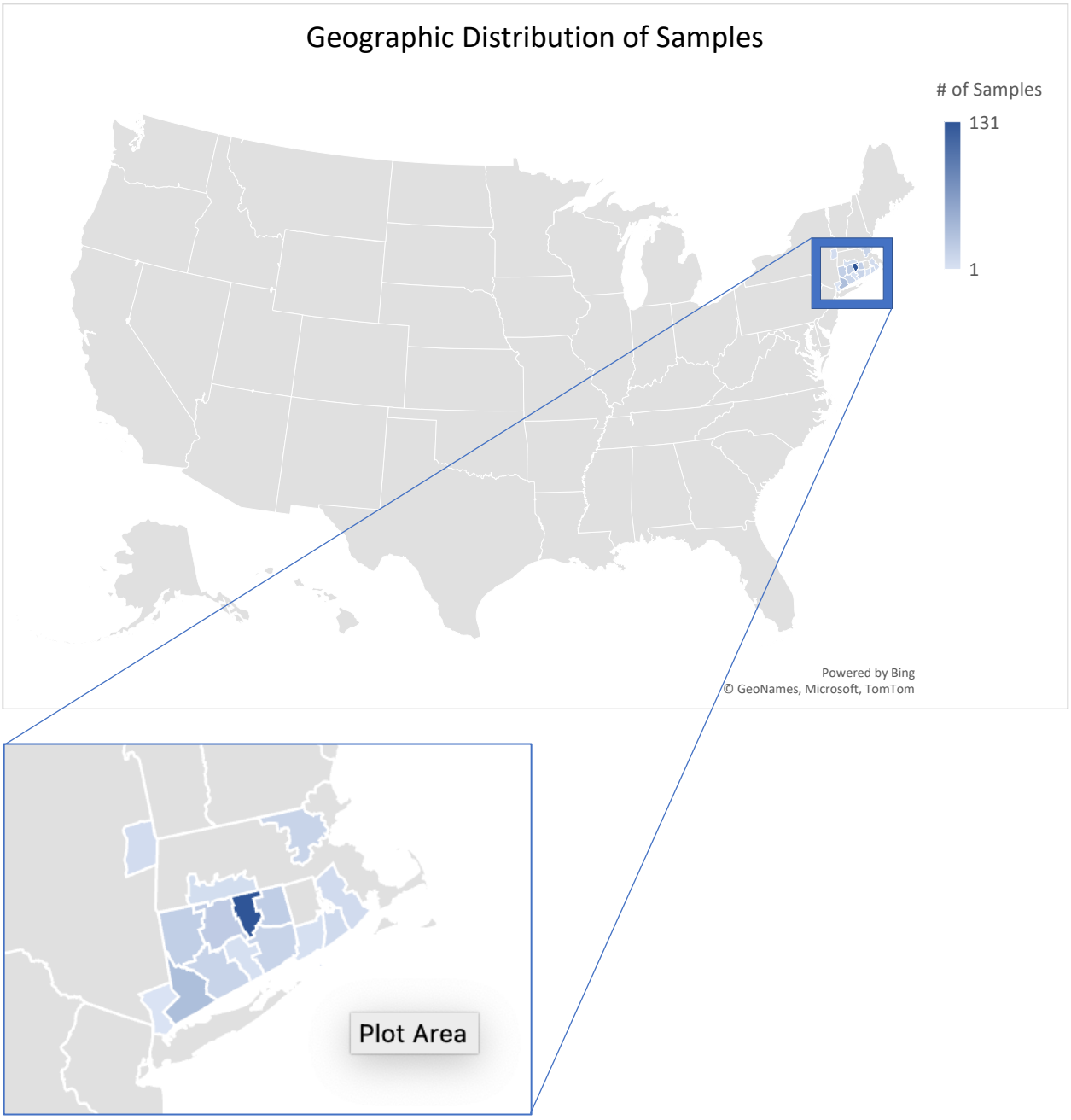

Figure 4. A second graphic representation of geographic distribution of samples by county. Counties with a greater number of submissions are shaded with a darker color of blue.

SAMPLE (CROP) CATEGORY	NUMBER OF SAMPLES	TOTAL (%)
FIELD CROP	4	1.3%
NATIVE PLANT	1	0.3%
ORNAMENTAL - GRASS	1	0.3%
ORNAMENTAL - HERBACEOUS	49	15.8%
ORNAMENTAL - WOODY	58	18.6%
SMALL FRUIT - BERRIES	15	4.8%
TREE - FRUIT/NUT	16	5.1%
TREE - SHADE	45	14.5%
TURFGRASS	3	1.0%
UNKNOWN	1	0.3%
VEGETABLE	86	27.7%
TOTAL - CROP CATEGORY	**289**	92.9%
SAMPLES WITH NO CROP CATEGORY ENTERED	10	3.2%
ID CATEGORY	**Number of Samples**	**Total (%)**
ALGAE	0	0.0%
BACTERIA	0	0.0%
FUNGI	0	0.0%
INSECT	4	1.3%
OTHER ORGANISM/SUBSTANCE	0	0.0%
PLANT	8	2.6%
UNABLE TO IDENTIFY	0	0.0%
TOTAL - ID CATEGORY	**12**	3.9%
TOTAL	**311**	**100%**

Table 4. Diagnostic sample (crop) category by number and percentage of total. Samples categorized as vegetables constituted the largest percentage of total samples (27.7%), followed by woody ornamentals (i.e., bushes, 18.6%) and herbaceous ornamentals (i.e., flowers and groundcovers, 15.8%).

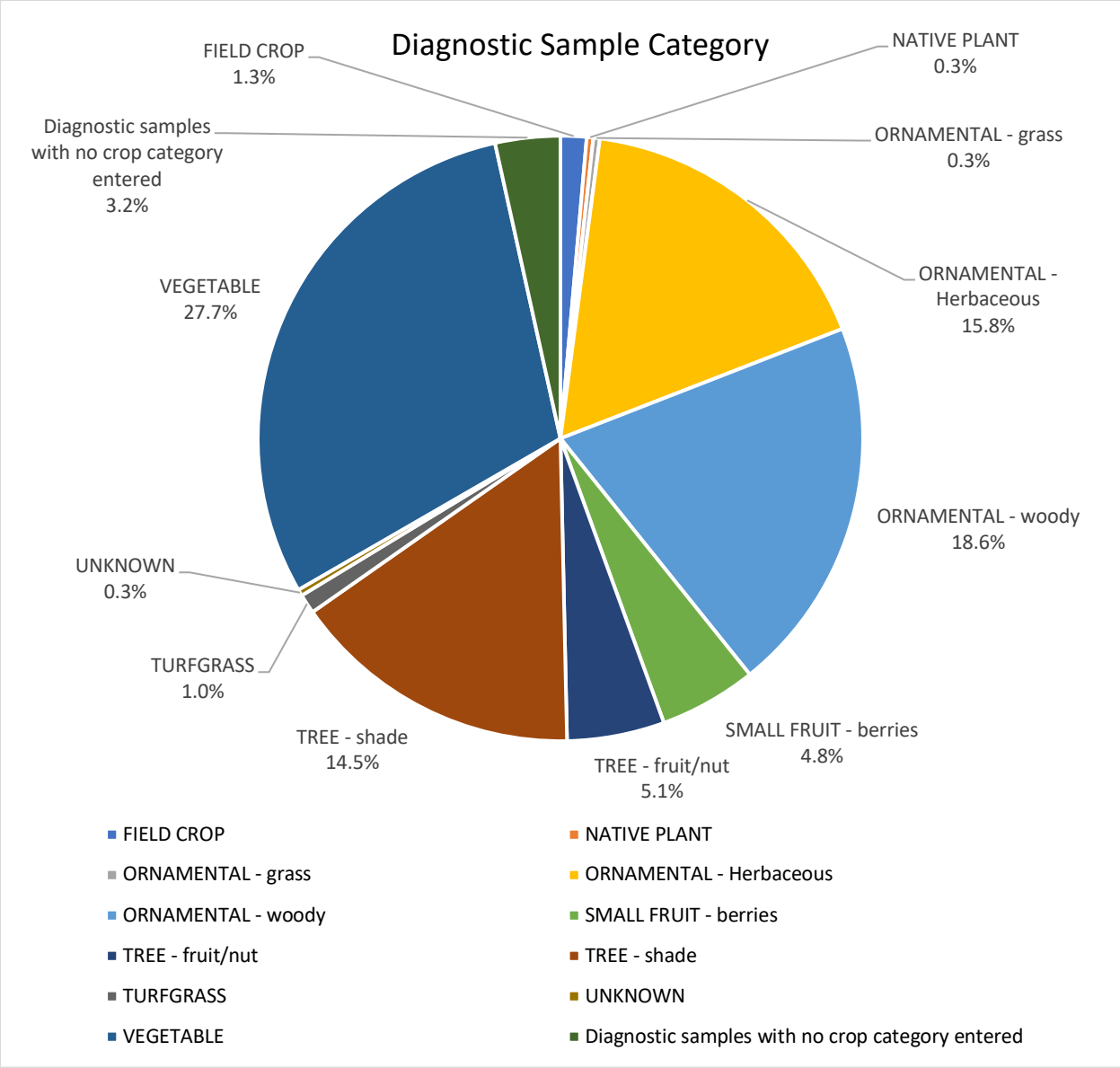

Figure 5. Graphic representation of diagnostic sample (crop) category by number and percentage of total. Diagnostic sample (crop) category by number and percentage of total. Samples categorized as vegetables constituted the largest percentage of total samples (27.7%), followed by woody ornamentals (i.e., bushes, 18.6%) and herbaceous ornamentals (i.e., flowers and groundcovers, 15.8%).

DIAGNOSIS / IDENTIFICATION CATEGORY	NUMBER OF DIAGNOSES/IDS	TOTAL (%)
INSECT/MITE/PEST DAMAGE	**20**	**6.5%**
INSECT	19	
MITES	1	
NO PATHOGEN/PROBLEM FOUND*	**66**	**21.3%**
NO DIAGNOSIS	1	
NO PATHOGEN FOUND	65	
PHYSIOLOGICAL/CULTURAL/ENVIRONMENTAL*	**4**	**1.3%**
ABIOTIC	1	
STRESS - ENVIRONMENTAL/CULTURAL	3	
PLANT DISEASES - BIOTIC AGENTS	**208**	**67.4%**
BACTERIA	17	5.5%
FUNGI	118	38.1%
NEMATODES	4	1.3%
VIRUSES†	70	22.6%
IDENTIFICATIONS	**12**	**3.9%**
INSECT	4	
PLANT	8	
TOTAL	**311**	
DIAGNOSES WITH NO DIAGNOSTIC CATEGORY ENTERED	**4**	
IDENTIFICATIONS WITH NO IDENTIFICATION CATEGORY ENTERED	**10**	

Table 5. Diagnosis and Identification Category for Samples. Biotic agents comprised the majority of diagnoses (67.4%).

* Note: The UConn Plant Diagnostic Lab cannot perform tests to identify abiotic (non-living) agents. We can only rule-out pathogens. Physiological/Cultural/Environmental diagnoses are rare (despite the issues themselves being common) as they are only provided when there is evidence to suggest a particular abiotic cause.

†Note: Includes any sample with a final diagnosis of either “virus - detected”, or “virus - not detected”.

MONTH (2022)	NUMBER OF SAMPLES
JANUARY	3
FEBRUARY	1
MARCH	17
APRIL	18
MAY	31
JUNE	107
JULY	56
AUGUST	27
SEPTEMBER	24
OCTOBER	11
NOVEMBER	15
DECEMBER*	1
2022 TOTAL	**311**

Table 6. Monthly submission summary. The number of submitted samples was highest during the growing season, with June being the most significant month for submissions.

*Note: The PDL stopped accepting samples in early December to prepare for a move to a new location on the UConn campus. The lab expects to reopen before the end of January, 2023.

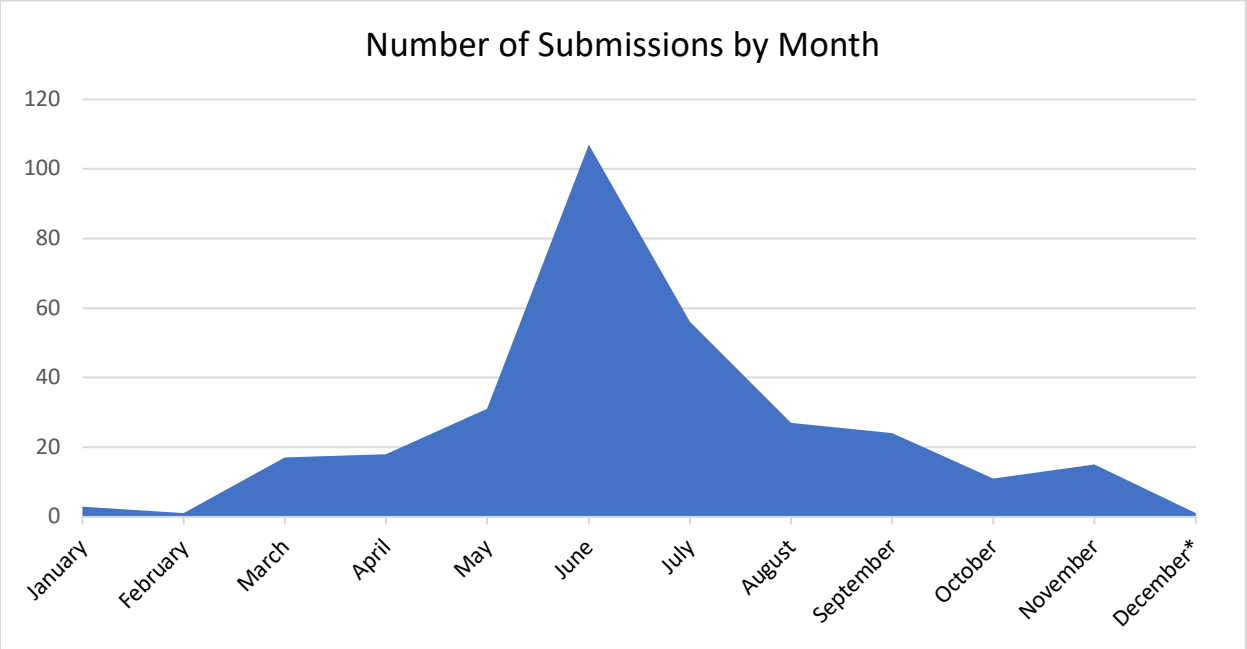

Figure 6. Graphic representation of the number of samples submitted each month to the UConn Plant Diagnostic Laboratory.

DIAGNOSTIC PROCEDURE TYPE	TOTAL
BAITING/WASHING	1
CHEMICAL ASSAY	0
CULTURE	174
GENETIC (PCR) ANALYSIS	0
GROSS VISUAL ANALYSIS	266
MICROBIAL ID (BACTERIAL DIFFERENTIATION)	1
MICROSCOPY (DISSECTION & COMPOUND)	441
MOIST CHAMBER	211
MONITOR/INOCULATE HEALTHY TISSUE	0
NEMATODE EXTRACTION (FROM SOIL)	0
REFERRAL TO ANOTHER DIAGNOSTIC LAB	1
REGULATORY PROCESSING	1
SEED TESTING	0
SEROLOGY (ELISA/LATERAL FLOW ASSAY)	105
SPECIALIZED MEDIA PREPARATION	0
TISSUE EXAM	258
TOTAL	**1,459**

Table 7. Diagnostic procedures performed in 2022. Many samples required multiple diagnostic procedures to arrive at a diagnosis while some required as little as one procedure.

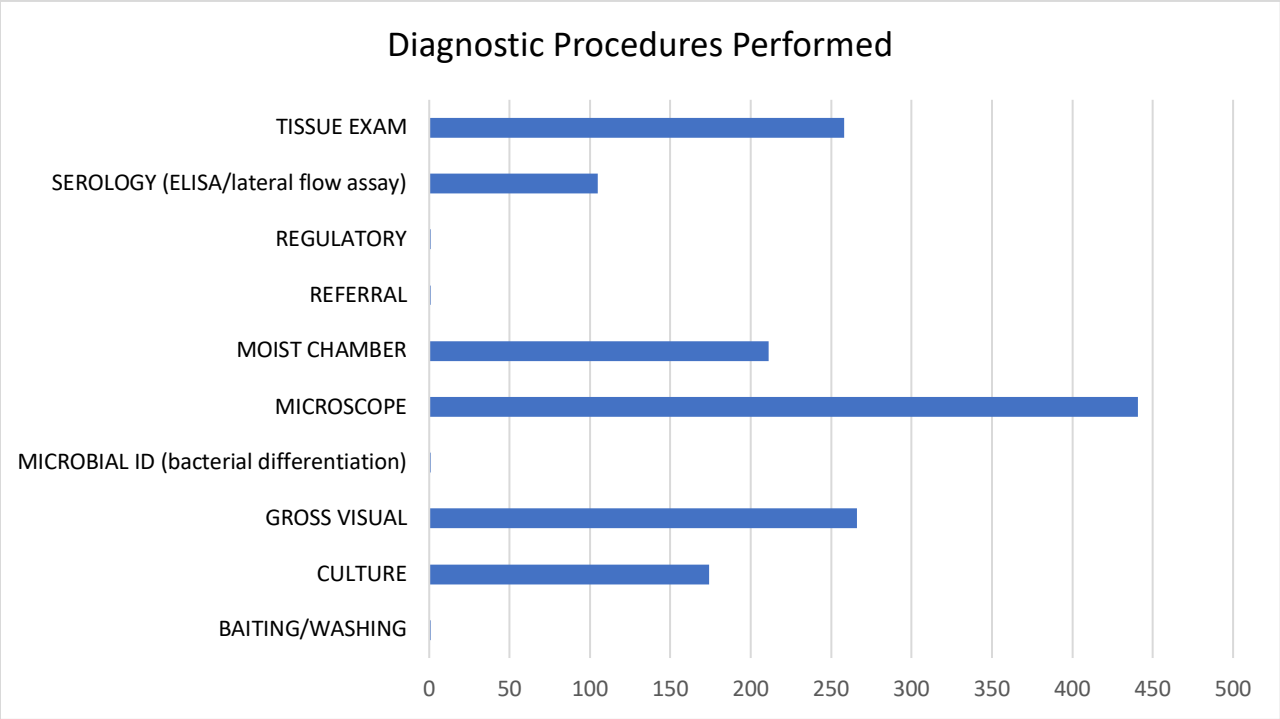

Figure 7. Graphic representation of diagnostic procedures performed.

Below is a more detailed summary of samples submitted in 2022. Note that host and cultivar/variety (in parentheses), if mentioned, are presented exactly as reported by the submitter:

Type	Sample #	Host	County	Diagnosis/Causal Agent(s)
ORNAMENTAL - Herbaceous	2022-1	Wax-flower	NEW HAVEN, CT	~ No pest or disease of concern found (Identification analysis) (Genus: Confirmed)
TREE - shade	2022-2	Spruce	TOLLAND, CT	~ Woolly pine scale (Pseudophilippia) (Genus: Confirmed, Species: Confirmed)
SMALL FRUIT - berries	2022-3	Blueberry (Elliott, Bluecrop, Duke, Liberty)	NEW HAVEN, CT	~ Phomopsis canker and twig blight (Diaporthe) (Genus: Suspected, Species: Suspected)
VEGETABLE	2022-4	Tomato (Roma UF)	HARTFORD, CT	~ Oedema; Edema (Abiotic disorder) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-5	Pachysandra	HARTFORD, CT	~ Root-knot nematodes (Meloidogyne) (Genus: Confirmed) ~ Volutella canker; Leaf blight (Volutella) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - woody	2022-6	Boxwood ('Green Mountain')	WINDHAM, CT	~ Boxwood leafminer (Monarthropalpus) (Genus: Confirmed, Species: Confirmed)
TREE - fruit/nut	2022-7	Hickory	NEW LONDON, CT	~ Phomopsis gall (Phomopsis) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-8	Begonia (Pink Minx)	WINDHAM, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
NATIVE PLANT	2022-9	Mountain Laurel	TOLLAND, CT	~ Phyllosticta leaf spot (Phyllosticta) (Genus: Suspected)
TREE - shade	2022-10	Arborvitae (Green Giant)	TOLLAND, CT	~ Pestalotiopsis needle blight; Tip blight (Pestalotiopsis) (Genus: Confirmed)
TREE - shade	2022-11	Tree	LITCHFIELD, CT	~ Animal damage (Animal Damage) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-12	Begonia, Rex (Tie Dye)	WINDHAM, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-13	Begonia, Rex (Harmony's Red Robin)	WINDHAM, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-14	Begonia, Rex (China Curl)	WINDHAM, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-15	Begonia, Rex (Emerald Wave)	WINDHAM, CT	~ Phytophthora dieback; Blight (Phytophthora) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-16	Begonia, Rex (Harmony's Fire Woman)	WINDHAM, CT	~ Phytophthora dieback; Blight (Phytophthora) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-17	Begonia (Connie Boswell)	WINDHAM, CT	~ Phytophthora dieback; Blight (Phytophthora) (Genus: Confirmed)

ORNAMENTAL - Herbaceous	2022-18	Begonia (Edinburgh)	WINDHAM, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-19	Rhododendron	TOLLAND, CT	~ Wind damage (Abiotic disorder) (Genus: Suspected)
ORNAMENTAL - woody	2022-20	Boxwood	TOLLAND, CT	~ Boxwood leafminer (Monarthropalpus) (Genus: Confirmed, Species: Confirmed)
PLANT	2022-21	Snowdrop	TOLLAND, CT	- Identification
ORNAMENTAL - Herbaceous	2022-22	Orchid Cactus; Fishbone (Whirly Bird)	WINDHAM, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-23	Orchid Cactus; Fishbone (Unforgettable)	WINDHAM, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-24	Petunia (Sweetunia Miss Marvelous)	TOLLAND, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-25	Boxwood	FAIRFIELD, CT	~ Volutella blight (Pseudonectria) (Genus: Confirmed)
TREE - fruit/nut	2022-26	Apple	WINDHAM, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-27	Geranium	TOLLAND, CT	~ Bacterial blight (Xanthomonas) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - Herbaceous	2022-28	Lavender (Provence)	NEW LONDON, CT	~ Pythium root and/or crown rot (Pythium) (Genus: Confirmed)
VEGETABLE	2022-29	Lettuce	NEW LONDON, CT	~ Bacterial soft rot (Pectobacterium) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - Herbaceous	2022-30	Larkspur	LITCHFIELD, CT	~ Pythium root and/or crown rot (Pythium) (Genus: Suspected)
ORNAMENTAL - Herbaceous	2022-31	Stock	LITCHFIELD, CT	~ Pythium root and/or crown rot (Pythium) (Genus: Suspected)
TREE - shade	2022-32	Fir (Canaan)	BRISTOL, MA	~ Cryptomeria scale (Aspidiotus) (Genus: Confirmed, Species: Confirmed)
TREE - shade	2022-33	Fir (Concolor)	BRISTOL, MA	~ Cryptomeria scale (Aspidiotus) (Genus: Confirmed, Species: Confirmed)
TREE - shade	2022-34	Fir (Fraser)	BRISTOL, MA	~ Cryptomeria scale (Aspidiotus) (Genus: Confirmed, Species: Confirmed)
TREE - shade	2022-35	Fir (Concolor)	BRISTOL, MA	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-36	Boxwood	FAIRFIELD, CT	~ Boxwood blight; Leaf and stem blight (Calonectria) (Genus: Confirmed, Species: Confirmed) ~ Boxwood Volutella blight; Canker (Pseudonectria) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - woody	2022-37	Boxwood	LITCHFIELD, CT	~ Volutella blight (Pseudonectria) (Genus: Confirmed)

ORNAMENTAL - woody	2022-38	Boxwood	LITCHFIELD, CT	~ Volutella blight (Pseudonectria) (Genus: Confirmed)
ORNAMENTAL - woody	2022-39	Boxwood	LITCHFIELD, CT	~ Volutella blight (Pseudonectria) (Genus: Confirmed)
ORNAMENTAL - woody	2022-40	Yew	TOLLAND, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
PLANT	2022-41	Star-of-Bethlehem	FAIRFIELD, CT	- Identification
ORNAMENTAL - woody	2022-42	Boxwood	TOLLAND, CT	~ Volutella blight (Pseudonectria) (Genus: Confirmed)
TREE - shade	2022-43	Laurel, Mountain	HARTFORD, CT	~ Cercospora leaf spot (Cercospora) (Genus: Confirmed)
ORNAMENTAL - woody	2022-44	Hemlock, Canadian	HARTFORD, CT	~ Hemlock woolly adelgid (Adelges) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - Herbaceous	2022-45	Pachysandra	HARTFORD, CT	~ Volutella canker; Leaf blight (Volutella) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - Herbaceous	2022-46	Hosta	HARTFORD, CT	~ No virus found (No Virus Found) (Genus: Negative)
INSECT	2022-47	scale	FAIRFIELD, CT	- Identification
VEGETABLE	2022-48	Ginger, Wild	FAIRFIELD, CT	~ Bacterial blight (Xanthomonas) (Genus: Confirmed)
TREE - shade	2022-49	Japanese Maple	FAIRFIELD, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-50	Dracaena	FAIRFIELD, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-51	Inkberry	NEW HAVEN, CT	~ Cercospora leaf spot (Cercospora) (Genus: Confirmed)
ORNAMENTAL - woody	2022-52	Rose	HAMPDEN, MA	~ Botryosphaeria canker; Dieback (Diplodia) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - woody	2022-53	Rhododendron	HAMPDEN, MA	~ Botryosphaeria canker; Dieback (Diplodia) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - woody	2022-54	Rose-of-sharon; Shrub-althea	LITCHFIELD, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
PLANT	2022-55	Orchard grass	TOLLAND, CT	- Identification
PLANT	2022-56	Bluegrass species	FAIRFIELD, CT	- Identification
VEGETABLE	2022-57	Potato	TOLLAND, CT	~ Thrips damage (Order Thysanoptera) (Genus: Confirmed)
FIELD CROP	2022-58	Soybean	NEW LONDON, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)

TREE - fruit/nut	2022-59	Peach	FAIRFIELD, CT	~ Peach leaf curl (Taphrina) (Genus: Confirmed, Species: Confirmed)
TREE - fruit/nut	2022-60	Plum	FAIRFIELD, CT	~ Peach leaf curl (Taphrina) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - woody	2022-61	Hemlock, Canadian	FAIRFIELD, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-62	Holly (China girl)	LITCHFIELD, CT	~ Cercospora leaf spot (Cercospora) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-63	Culver's Root (Cupid)	LITCHFIELD, CT	~ Fusarium wilt; Fusarium wilt complex (Fusarium) (Genus: Confirmed)
TREE - shade	2022-64	Spruce	FAIRFIELD, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
TREE - shade	2022-65	Spruce	FAIRFIELD, CT	~ Cytospora canker (Cytospora) (Genus: Confirmed, Species: Confirmed)
TREE - shade	2022-66	Spruce	FAIRFIELD, CT	~ Cytospora canker (Cytospora) (Genus: Confirmed, Species: Confirmed)
TREE - fruit/nut	2022-67	Pear (Blakeney Red (OH x 97 rootstock))	WINDHAM, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-68	Rose (rambling/climbing)	TOLLAND, CT	~ Botryosphaeria canker; Dieback (Diplodia) (Genus: Confirmed, Species: Confirmed)
TREE - fruit/nut	2022-69	Cherry (weeping ornamental)	NEW LONDON, CT	~ Leaf blight and spot; Shothole (Blumeriella) (Genus: Confirmed, Species: Confirmed)
TREE - shade	2022-70	Spruce	LITCHFIELD, CT	- Identification (spruce gall adelgid)
ORNAMENTAL - woody	2022-71	Japanese Flowering Cherry ('Royal Burgundy')	FAIRFIELD, CT	~ Brown rot blossom blight (Monilinia) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - woody	2022-72	Boxwood	FAIRFIELD, CT	~ Volutella blight (Pseudonectria) (Genus: Confirmed)
ORNAMENTAL - woody	2022-73	Climbing Hydrangea	MIDDLESEX, MA	~ Anthracnose; Colletotrichum leaf spot (Colletotrichum) (Genus: Confirmed)
TREE - shade	2022-74	Cypress, Leyland	MIDDLESEX, MA	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
SMALL FRUIT - berries	2022-75	Blueberry (Berkeley)	HARTFORD, CT	~ Blueberry scorch (BLScV) (Carlavirus) (Genus: Suspected, Species: Suspected)
SMALL FRUIT - berries	2022-76	Blueberry (Elliot or BlueCoral)	HARTFORD, CT	~ Blueberry scorch (BLScV) (Carlavirus) (Genus: Confirmed, Species: Confirmed)
TREE - shade	2022-77	Pine, Eastern White	TOLLAND, CT	~ Brown spot; Needle blight (Lecanosticta) (Genus: Confirmed, Species: Confirmed)
PLANT	2022-78	Mermaid Weed	TOLLAND, CT	- Identification
ORNAMENTAL - woody	2022-79	Witchhazel	FAIRFIELD, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)

ORNAMENTAL - woody	2022-80	Japanese Yew	LITCHFIELD, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
VEGETABLE	2022-81	Kale ('Lacinato')	FAIRFIELD, CT	~ Crown gall (Agrobacterium) (Genus: Suspected, Species: Suspected)
TURFGRASS	2022-82	Fescue	TOLLAND, CT	~ Red thread (Laetisaria) (Genus: Confirmed, Species: Confirmed)
TREE - shade	2022-83	Arborvitae	HARTFORD, CT	~ Insect damage (Unidentified Insect) (Genus: Confirmed) ~ Phomopsis tip blight; Needle blight (Phomopsis) (Genus: Suspected, Species: Suspected)
VEGETABLE	2022-84	Cucumber	WINDHAM, CT	~ Angular leaf spot (Pseudomonas) (Genus: Suspected, Species: Suspected)
INSECT	2022-85	vinegar fly	MIDDLESEX, CT	- Identification
ORNAMENTAL - woody	2022-86	Hydrangea ('Tuff Stuff')	TOLLAND, CT	~ Botryosphaeria canker; Dieback (Diplodia) (Genus: Confirmed, Species: Confirmed)
SMALL FRUIT - berries	2022-87	Strawberry ('Galletta')	NEW HAVEN, CT	~ Fusarium wilt; Fusarium wilt complex (Fusarium) (Genus: Confirmed) ~ Strawberry hard brown rot (Rhizoctonia) (Genus: Confirmed, Species: Confirmed)
TREE - shade	2022-88	Juniper	HARTFORD, CT	~ Phomopsis tip blight; Needle blight (Phomopsis) (Genus: Suspected, Species: Suspected)
TURFGRASS	2022-89	Grass, turf	FAIRFIELD, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-90	Rose	FAIRFIELD, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
ORNAMENTAL - woody	2022-91	Azalea	HARTFORD, CT	~ Leaf and flower gall (Exobasidium) (Genus: Confirmed)
VEGETABLE	2022-92	Squash	TOLLAND, CT	~ Angular leaf spot (Pseudomonas) (Genus: Confirmed, Species: Confirmed)
TREE - fruit/nut	2022-93	Crabapple	FAIRFIELD, CT	~ Apple scab (Venturia) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - woody	2022-94	Wisteria	TOLLAND, CT	~ Septoria leaf spot (Septoria) (Genus: Confirmed)
VEGETABLE	2022-95	Tomato	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-96	Tomato	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-97	Tomato	TOLLAND, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
VEGETABLE	2022-98	Eggplant	TOLLAND, CT	~ Early blight; Leaf spot (Alternaria) (Genus: Confirmed, Species: Confirmed)

VEGETABLE	2022-99	Tomato ('Alisa Craig')	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-100	Squash, all varieties	MIDDLESEX, MA	~ Alternaria leaf spot (Alternaria) (Genus: Confirmed)
ORNAMENTAL - woody	2022-101	Boxwood	FAIRFIELD, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
TREE - shade	2022-102	Fir	HARTFORD, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
TREE - shade	2022-103	Juniper (Hollywood)	NEW LONDON, CT	~ Insect damage (Unidentified Insect) (Genus: Confirmed)
TREE - shade	2022-104	Ginkgo	WESTCHESTER, NY	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
VEGETABLE	2022-105	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-106	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-107	Tomato (Alisa Craig)	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
VEGETABLE	2022-108	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-109	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-110	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-111	Tomato (Alisa Craig)	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
VEGETABLE	2022-112	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-113	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-114	Tomato (Alisa Craig)	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
VEGETABLE	2022-115	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-116	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-117	Tomato (Alisa Craig)	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
VEGETABLE	2022-118	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)

VEGETABLE	2022-119	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-120	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-121	Tomato (Alisa Craig)	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
VEGETABLE	2022-122	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-123	Tomato (Alisa Craig)	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
VEGETABLE	2022-124	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-125	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-126	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-127	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-128	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-129	Tomato (Alisa Craig)	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-130	Tomato	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
VEGETABLE	2022-131	Tomato	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
VEGETABLE	2022-132	Tomato	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
VEGETABLE	2022-133	Tomato	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-134	Pepper (Ornamental - unk. cultivar)	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-135	Primrose, Cape	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-136	Piggyback Plant	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
TREE - shade	2022-137	Spruce, Weeping Norway	MIDDLESEX, MA	~ Diplodia tip blight; Canker (Diplodia) (Genus: Confirmed, Species: Confirmed)
TREE - shade	2022-138	Maple (rubrum hybird)	MIDDLESEX, MA	~ Anthracnose; Colletotrichum leaf spot (Colletotrichum) (Genus: Confirmed)

TREE - shade	2022-139	Dogwood (C. Florida)	MIDDLESEX, MA	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-140	Rhododendron (catawbiense)	MIDDLESEX, MA	~ Botryosphaeria canker; Dieback (Diplodia) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - woody	2022-141	Witchhazel (vernalis (likely))	MIDDLESEX, MA	~ Botryosphaeria canker; Dieback (Diplodia) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-142	Tomato (new girl)	FAIRFIELD, CT	~ Early blight; Leaf spot (Alternaria) (Genus: Confirmed, Species: Confirmed) ~ Fusarium wilt (Fusarium) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - Herbaceous	2022-143	Aroids (Scindapsis)	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-144	Poinsettia	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
FIELD CROP	2022-145	Pepper ('Purple Flash')	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
ORNAMENTAL - woody	2022-146	Parlor Maple	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-147	Perilla (frutescens - 2 plants)	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-148	Aralia, false	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-149	Alstroemeria	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-150	Schefflera	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
not specified	2022-151	Nerve Plant	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-152	Begonia	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
not specified	2022-153	Homalomena	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
VEGETABLE	2022-154	Tomato	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
not specified	2022-155	Unknown Weeds; Unknown plants	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
FIELD CROP	2022-156	Tobacco	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-157	Hemp	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
not specified	2022-158	Unknown Weeds; Unknown plants	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
not specified	2022-159	Unknown Weeds; Unknown plants	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)

not specified	2022-160	Unknown Weeds; Unknown plants	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
not specified	2022-161	Unknown Weeds; Unknown plants	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
TREE - fruit/nut	2022-162	Citrus	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
VEGETABLE	2022-163	Tomato	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
VEGETABLE	2022-164	Tomato	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
TREE - shade	2022-165	Poplar	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
VEGETABLE	2022-166	Tomato	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
not specified	2022-167	Zygocactus; Cactus	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
SMALL FRUIT - berries	2022-168	Strawberry (AC Valley Sunset)	NEWPORT, RI	~ Strawberry crown rot (Rhizoctonia) (Genus: Confirmed, Species: Confirmed)
SMALL FRUIT - berries	2022-169	Strawberry (AC Valley Sunset)	NEWPORT, RI	~ Strawberry crown rot (Rhizoctonia) (Genus: Suspected, Species: Suspected)
SMALL FRUIT - berries	2022-170	Strawberry (AC Valley Sunset)	NEWPORT, RI	~ Strawberry crown rot (Rhizoctonia) (Genus: Confirmed, Species: Confirmed)
SMALL FRUIT - berries	2022-171	Strawberry (AC Valley Sunset)	NEWPORT, RI	~ Strawberry crown rot (Rhizoctonia) (Genus: Confirmed, Species: Confirmed)
SMALL FRUIT - berries	2022-172	Strawberry (yambu)	NEWPORT, RI	~ Strawberry crown rot (Rhizoctonia) (Genus: Suspected, Species: Suspected)
SMALL FRUIT - berries	2022-173	Strawberry (Darselect)	NEWPORT, RI	~ Strawberry crown rot (Rhizoctonia) (Genus: Confirmed, Species: Confirmed)
SMALL FRUIT - berries	2022-174	Strawberry (Dickens)	NEWPORT, RI	~ Strawberry crown rot (Rhizoctonia) (Genus: Confirmed, Species: Confirmed)
SMALL FRUIT - berries	2022-175	Strawberry (Mayflower)	NEWPORT, RI	~ Strawberry crown rot (Rhizoctonia) (Genus: Suspected, Species: Suspected)
SMALL FRUIT - berries	2022-176	Strawberry (AC Vally Sunset)	NEWPORT, RI	~ Strawberry crown rot (Rhizoctonia) (Genus: Suspected, Species: Suspected)
PLANT	2022-177	Knotweed	WINDHAM, CT	
TREE - shade	2022-178	Arborvitae	NEW LONDON, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
not specified	2022-179	*not specified*	TOLLAND, CT	- Identification/student training digital sample (monarch larvae)

not specified	2022-180	*not specified*	NEW LONDON, CT	- Identification/student training digital sample (crabapple or hybrid)
not specified	2022-181	*not specified*	LITCHFIELD, CT	- Identification/student training digital sample (mite/insect damage)
not specified	2022-182	*not specified*	HARTFORD, CT	- Identification/student training digital sample (nasturtium)
not specified	2022-183	*not specified*	HARTFORD, CT	- Identification/student training digital sample (Thrips suspected)
SMALL FRUIT - berries	2022-184	Strawberry	TOLLAND, CT	~ Strawberry crown rot (Rhizoctonia) (Genus: Confirmed, Species: Confirmed)
not specified	2022-185	*not specified*	TOLLAND, CT	- Identification/student training digital sample (nutrient imbalance)
not specified	2022-186	*not specified*	TOLLAND, CT	- Identification/student training digital sample (weeds; various)
not specified	2022-187	*not specified*	TOLLAND, CT	- Identification/student training digital sample (weeds; various)
ORNAMENTAL - woody	2022-188	Rhododendron (no a Zembla)	NEW HAVEN, CT	~ Anthracnose; Colletotrichum leaf spot (Colletotrichum) (Genus: Confirmed)
not specified	2022-189	*not specified*	TOLLAND, CT	- Identification/student training digital sample (Cucurbitae)
VEGETABLE	2022-190	Beet (Subeto FI)	TOLLAND, CT	~ Southern blight (Sclerotium) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - grass	2022-191	Aztec Grass	FAIRFIELD, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-192	Boxwood	FAIRFIELD, CT	~ Volutella blight (Pseudonectria) (Genus: Confirmed)
VEGETABLE	2022-193	Cabbage (Early Thunder)	TOLLAND, CT	~ Black rot (Xanthomonas) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-194	Cabbage (Early Thunder)	TOLLAND, CT	~ Alternaria leaf spot (Alternaria) (Genus: Confirmed)
VEGETABLE	2022-195	Tomato	TOLLAND, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-196	Viburnum	HAMPDEN, MA	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-197	Lilac	HAMPDEN, MA	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-198	Hydrangea	HAMPDEN, MA	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
TREE - shade	2022-199	Juniper	HAMPDEN, MA	~ Kabatina tip blight; Needle blight (Kabatina) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-200	Squash	TOLLAND, CT	~ Bacterial soft rot (Pectobacterium) (Genus: Confirmed, Species: Confirmed)

ORNAMENTAL - woody	2022-202	Rose	FAIRFIELD, CT	~ No virus found (No Virus Found) (Genus: Confirmed)
ORNAMENTAL - woody	2022-203	Burning Bush	HARTFORD, CT	~ Insufficient sample (Identification Analysis) (Genus: Confirmed)
VEGETABLE	2022-204	Potato	TOLLAND, CT	~ Bacterial soft rot (Pectobacterium) (Genus: Confirmed, Species: Confirmed)
TREE - fruit/nut	2022-205	Cherry (Bing)	NEW HAVEN, CT	~ Alternaria leaf spot (Alternaria) (Genus: Confirmed) ~ Anthracnose; Colletotrichum leaf spot (Colletotrichum) (Genus: Confirmed)
ORNAMENTAL - woody	2022-206	Boxwood (Possibly little leaf or English? Unknown)	NEW HAVEN, CT	~ Volutella blight (Pseudonectria) (Genus: Confirmed)
VEGETABLE	2022-207	Tomato	TOLLAND, CT	~ Early blight; Leaf spot (Alternaria) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-208	Squash	TOLLAND, CT	~ Bacterial blight (Xanthomonas) (Genus: Confirmed) ~ Fusarium wilt (Fusarium) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-209	Eggplant	TOLLAND, CT	~ Downy mildew (Peronospora) (Genus: Confirmed) ~ Verticillium wilt (Verticillium) (Genus: Suspected)
VEGETABLE	2022-210	Broccoli	TOLLAND, CT	~ Alternaria leaf spot (Alternaria) (Genus: Confirmed)
TREE - shade	2022-211	Spruce	LITCHFIELD, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
TREE - shade	2022-212	Dogwood	MIDDLESEX, MA	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
TREE - fruit/nut	2022-213	Crabapple	LITCHFIELD, CT	~ Cedar-apple rust (Gymnosporangium) (Genus: Confirmed, Species: Confirmed)
TREE - shade	2022-214	Maple, Japanese	TOLLAND, CT	~ Botryosphaeria canker; Dieback (Diplodia) (Genus: Confirmed, Species: Confirmed)
TREE - shade	2022-215	Maple, Japanese	TOLLAND, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
TREE - shade	2022-216	Maple, Japanese	TOLLAND, CT	~ Botryosphaeria canker; Dieback (Diplodia) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-217	Tomato	NEW HAVEN, CT	~ Bacterial canker (Clavibacter) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-218	Tomato	NEW HAVEN, CT	~ Early blight; Leaf spot (Alternaria) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-219	Tomato	NEW HAVEN, CT	~ Early blight; Leaf spot (Alternaria) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-220	Tomato	NEW HAVEN, CT	~ Bacterial canker (Clavibacter) (Genus: Confirmed, Species: Confirmed)

VEGETABLE	2022-221	Tomato	NEW HAVEN, CT	~ Early blight; Leaf spot (Alternaria) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-222	Tomato	NEW HAVEN, CT	~ Bacterial canker (Clavibacter) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-223	Squash (Cucurbit - unknown host species)	NEW HAVEN, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
TREE - fruit/nut	2022-224	Apple	WINDHAM, CT	~ Cedar-apple rust (Gymnosporangium) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - woody	2022-225	Boxwood	LITCHFIELD, CT	~ Boxwood leafminer (Monarthropalpus) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - Herbaceous	2022-226	Lavender (Super Blue)	WASHINGTON, RI	~ Fusarium wilt; Fusarium wilt complex (Fusarium) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-227	Lavender (Sensational)	WASHINGTON, RI	~ Fusarium wilt; Fusarium wilt complex (Fusarium) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-228	Lavender (Grosso)	WASHINGTON, RI	~ No pest or disease of concern found (Identification analysis) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-229	Lavender (Super Blue)	WASHINGTON, RI	~ Fusarium wilt; Fusarium wilt complex (Fusarium) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-230	Daisy, Shasta	HARTFORD, CT	~ Anthracnose; Colletotrichum leaf spot (Colletotrichum) (Genus: Confirmed)
ORNAMENTAL - woody	2022-231	Caryopteris	HARTFORD, CT	~ Alternaria leaf spot (Alternaria) (Genus: Confirmed)
TREE - shade	2022-232	Beech	MIDDLESEX, CT	~ Beech Leaf Disease (Litylenchus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-233	Pumpkin	TOLLAND, CT	~ Fusarium wilt; Fusarium wilt complex (Fusarium) (Genus: Confirmed)
VEGETABLE	2022-234	Pumpkin (Vif D'etampes)	NEW LONDON, CT	~ Alternaria leaf spot (Alternaria) (Genus: Confirmed) ~ Downy mildew (Peronospora) (Genus: Confirmed)
VEGETABLE	2022-235	Cucumber	NEW LONDON, CT	~ Downy mildew (Peronospora) (Genus: Confirmed) ~ Alternaria leaf spot (Alternaria) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-236	Impatiens, New Guinea	MIDDLESEX, MA	~ No pest or disease of concern found (Identification analysis) (Genus: Confirmed)
TREE - shade	2022-237	Spruce	HARTFORD, CT	~ Diplodia tip blight; Canker (Diplodia) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - Herbaceous	2022-238	Rudbeckia (Goldstrum)	FAIRFIELD, CT	~ Alternaria leaf spot (Alternaria) (Genus: Confirmed) ~ Thrips damage (Order Thysanoptera) (Genus: Confirmed)
not specified	2022-239	Swamp Milkweed	FAIRFIELD, CT	~ Anthracnose; Colletotrichum leaf spot (Colletotrichum) (Genus: Confirmed) ~ Thrips damage (Order Thysanoptera) (Genus: Confirmed)

ORNAMENTAL - Herbaceous	2022-240	Butterflyweed	FAIRFIELD, CT	~ Mite damage (Order Acari) (Genus: Confirmed)
VEGETABLE	2022-241	Brussels-sprouts	NEW LONDON, CT	~ Black rot (Xanthomonas) (Genus: Confirmed, Species: Confirmed)
INSECT	2022-242	Tropical Tobacco Thrips	WINDHAM, CT	- Identification
TREE - fruit/nut	2022-243	Cherry (Weeping var. & Sour var.)	FAIRFIELD, CT	~ Powdery mildew (Podosphaera) (Genus: Confirmed)
TREE - fruit/nut	2022-244	Crabapple	TOLLAND, CT	~ Apple scab (Venturia) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-245	Cucumber (Seedway Wisconsin SMR58)	NEW LONDON, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
TREE - shade	2022-246	Dogwood	NEW LONDON, CT	~ Fall webworm (Hyphantria) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - woody	2022-247	Rose	HARTFORD, CT	~ Rose rosette disease (RRV) (Emaravirus) (Genus: Suspected, Species: Suspected)
VEGETABLE	2022-248	Pumpkin (Vif D'Etampes 'Cinderella')	NEW LONDON, CT	~ Alternaria leaf spot (Alternaria) (Genus: Confirmed) ~ Downy mildew (Peronospora) (Genus: Confirmed)
PLANT	2022-249	Tall Fescue (pasture-type)	HARTFORD, CT	- Identification
VEGETABLE	2022-250	Horseradish	TOLLAND, CT	~ Root aphids (Family Aphididae) (Genus: Suspected)
ORNAMENTAL - Herbaceous	2022-251	Hemp	TOLLAND, CT	~ No pest or disease of concern found (Identification analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-252	Rhododendron	MIDDLESEX, MA	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-253	Littleleaf Boxwood (Little Gem)	MIDDLESEX, MA	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-254	Western Red Cedar	MIDDLESEX, MA	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-255	Gardenia	WINDHAM, CT	~ Thrips damage (Order Thysanoptera) (Genus: Confirmed)
ORNAMENTAL - woody	2022-256	Hemlock, Canadian	TOLLAND, CT	~ Hemlock woolly adelgid (Adelges) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - woody	2022-257	Yew	TOLLAND, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-258	Oxalis	TOLLAND, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
TREE - shade	2022-259	Blue Spruce	HARTFORD, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-260	Hibiscus (Rose of Sharon)	MIDDLESEX, CT	~ Alternaria leaf spot (Alternaria) (Genus: Confirmed)

TREE - shade	2022-261	European Beech (Bronzel)	TOLLAND, CT	~ Leaf gall nematode (Litylenchus) (Genus: Confirmed, Species: Confirmed)
UNKNOWN	2022-262	unknown, plant	FAIRFIELD, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
VEGETABLE	2022-263	Cucumber	FAIRFIELD, CT	~ Angular leaf spot (Pseudomonas) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - Herbaceous	2022-264	Morning Glory (Rivea corymbosa)	TOLLAND, CT	~ Oedema; Edema (Abiotic disorder) (Genus: Confirmed)
TREE - shade	2022-265	Juniper	TOLLAND, CT	~ Pestalotiopsis needle blight; Tip blight (Pestalotiopsis) (Genus: Confirmed)
TREE - shade	2022-266	Maple	HARTFORD, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-267	Rose (Knockout)	WINDHAM, CT	~ Black spot (Rose) (Diplocarpon) (Genus: Confirmed, Species: Confirmed)
TREE - shade	2022-268	Juniper (Gold cone Juniper)	LITCHFIELD, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
TURFGRASS	2022-269	Fescue	FAIRFIELD, CT	~ Chinch bug complex (Blissus) (Genus: Confirmed)
ORNAMENTAL - woody	2022-270	Rose	LITCHFIELD, CT	~ Black spot (Rose) (Diplocarpon) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-271	Tomato	TOLLAND, CT	~ No pest or disease of concern found (Identification analysis) (Genus: Confirmed)
VEGETABLE	2022-272	Tomato	TOLLAND, CT	~ No pest or disease of concern found (Identification analysis) (Genus: Confirmed)
VEGETABLE	2022-273	Tomato	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-274	Tomato	TOLLAND, CT	~ No pest or disease of concern found (Identification analysis) (Genus: Confirmed)
VEGETABLE	2022-275	Tomato	TOLLAND, CT	~ Tobacco mosaic (TMV) (Tobamovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-276	Tomato	TOLLAND, CT	~ No pest or disease of concern found (Identification analysis) (Genus: Confirmed)
VEGETABLE	2022-277	Tomato	TOLLAND, CT	~ No pest or disease of concern found (Identification analysis) (Genus: Confirmed)
VEGETABLE	2022-278	Tomato	TOLLAND, CT	~ No pest or disease of concern found (Identification analysis) (Genus: Confirmed)
VEGETABLE	2022-279	Tomato	TOLLAND, CT	~ Powdery mildew (Pseudoidium) (Genus: Confirmed, Species: Confirmed) ~ Early blight; Leaf spot (Alternaria) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-280	Tomato	TOLLAND, CT	~ Tobacco mosaic (TMV) (Tobamovirus) (Genus: Confirmed, Species: Confirmed)

FIELD CROP	2022-281	Tobacco	TOLLAND, CT	~ No pest or disease of concern found (Identification analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-282	Wisteria (Amethyst falls)	FAIRFIELD, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
TREE - shade	2022-283	Spruce	TOLLAND, CT	~ Rhizosphaera needle cast (Rhizosphaera) (Genus: Confirmed, Species: Confirmed)
ORNAMENTAL - woody	2022-284	Boxwood	FAIRFIELD, CT	~ Volutella blight (Pseudonectria) (Genus: Confirmed)
VEGETABLE	2022-285	Tomato	TOLLAND, CT	~ Tomato spotted wilt (TSWV) (Tospovirus) (Genus: Confirmed, Species: Confirmed)
VEGETABLE	2022-286	Potato	TOLLAND, CT	~ Oedema; Edema (Abiotic disorder) (Genus: Confirmed)
VEGETABLE	2022-287	Potato (Yukon Gold)	TOLLAND, CT	~ Alternaria leaf spot (Alternaria) (Genus: Confirmed)
SMALL FRUIT - berries	2022-288	Grape (St. Croix)	WINDHAM, CT	~ No pest or disease of concern found (Identification analysis) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-289	Mandevilla	NEW LONDON, CT	~ Anthracnose; Colletotrichum leaf spot (Colletotrichum) (Genus: Confirmed)
TREE - fruit/nut	2022-290	Lemon (Meyer)	TOLLAND, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-291	Symphoricarpos	RENSSELAER, NY	~ Powdery mildew (Podosphaera) (Genus: Confirmed)
ORNAMENTAL - woody	2022-292	Hydrangea	RENSSELAER, NY	~ Powdery mildew (Podosphaera) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-293	Dahlia	RENSSELAER, NY	~ Anthracnose; Colletotrichum leaf spot (Colletotrichum) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-294	Spiderflower	RENSSELAER, NY	~ Bacterial blight (Xanthomonas) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-295	Marigold	RENSSELAER, NY	~ Bacterial blight (Xanthomonas) (Genus: Confirmed)
TREE - shade	2022-296	Blue Spruce	MIDDLESEX, MA	~ Rhizosphaera needle cast (Rhizosphaera) (Genus: Confirmed, Species: Confirmed)
TREE - shade	2022-297	Spruce	TOLLAND, CT	~ Rhizosphaera needle cast (Rhizosphaera) (Genus: Confirmed, Species: Confirmed)
TREE - shade	2022-298	Spruce	TOLLAND, CT	~ Rhizosphaera needle cast (Rhizosphaera) (Genus: Confirmed, Species: Confirmed)
TREE - shade	2022-299	Canaan Fir	BRISTOL, MA	~ Cryptomeria scale (Aspidiotus) (Genus: Confirmed, Species: Confirmed)
TREE - shade	2022-300	Fir	BRISTOL, MA	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - Herbaceous	2022-301	Morning Glory (Heavenly Blue)	RENSSELAER, NY	~ Alternaria leaf spot (Alternaria) (Genus: Confirmed)

ORNAMENTAL - woody	2022-302	Physocarpus	RENSSELAER, NY	~ Alternaria leaf spot (Alternaria) (Genus: Confirmed)
not specified	2022-303	White Spruce	BRISTOL, MA	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-304	White Fir	BRISTOL, MA	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
INSECT	2022-305	vinegar fly	MIDDLESEX, CT	- Identification
ORNAMENTAL - woody	2022-306	Boxwood	LITCHFIELD, CT	~ Boxwood leafminer (Monarthropalpus) (Genus: Confirmed, Species: Confirmed)
TREE - shade	2022-307	Beech	NEW HAVEN, CT	~ Beech Leaf Disease (Litylenchus) (Genus: Suspected, Species: Suspected)
ORNAMENTAL - woody	2022-308	Boxwood	MIDDLESEX, MA	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
ORNAMENTAL - woody	2022-309	Holly	TOLLAND, CT	~ No pathogen found (Identification Analysis) (Genus: Confirmed)
PLANT	2022-310	Nimblewill	LITCHFIELD, CT	- Identification
TREE - fruit/nut	2022-311	Guava	TOLLAND, CT	~ Alternaria leaf spot (Alternaria) (Genus: Confirmed)

FIELD CROP		
PEPPER	*Capsicum annuum*	1
SOYBEAN	*Glycine max*	1
TOBACCO	*Nicotiana tabacum L.*	2
TOTAL FOR FIELD CROP	**4**	
ORNAMENTAL - GRASS		
AZTEC GRASS	*Liriope muscari*	1
TOTAL FOR ORNAMENTAL - GRASS	**1**	
ORNAMENTAL - HERBACEOUS		
ALSTROEMERIA	*Alstroemeria Pelegrina and hybrids*	1
ARALIA, FALSE	*Dizygotheca elegantissima*	1
AROIDS		1
BEGONIA	*Begonia spp.*	4
BEGONIA, REX	*Begonia Rex-Cultorum hybrids*	5
BUTTERFLYWEED	*Asclepias tuberosa*	1
CULVER'S ROOT	*Veronicastrum virginicum*	1
DAHLIA	*Dahlia pinnata*	1
DAISY, SHASTA	*Chrysanthemum x superbum*	1
DRACAENA	*Dracaena spp. x hybrids*	1
GERANIUM	*Pelargonium graveolens*	1
HEMP	*Cannabis sativa*	2
HOSTA	*Hosta spp. x hybrids*	1
IMPATIENS, NEW GUINEA	*Impatiens x New Guinea*	1
LARKSPUR	*Delphinium spp*	1
LAVENDER	*Lavendula spp.*	5
MANDEVILLA	*Mandevilla boliviensis*	1
MARIGOLD	*Tagetes spp. x hybrids*	1
MORNING GLORY		2
ORCHID CACTUS; FISHBONE	*Epiphyllum sp./spp.*	2
OXALIS	*Oxalis spp*	1
PACHYSANDRA	*Pachysandra spp. x hybrids*	2
PERILLA	*Perilla sp./spp.*	1
PETUNIA	*Petunia x hybrids*	1
PIGGYBACK PLANT	*Tolmiea menziesii*	1
POINSETTIA	*Euphorbia pulcherrima*	1
PRIMROSE, CAPE	*Streptocarpus candidus*	1

RUDBECKIA	*Rudbeckia fulgida*	1
SCHEFFLERA	*Schefflera spp. x hybrids*	1
SPIDERFLOWER	*Cleome Hasslerana*	1
STOCK	*Matthiola spp.*	1
SYMPHORICARPOS		1
VIBURNUM	*Viburnum spp tinus*	1
WAX-FLOWER	*Tabernaemontana divaricata*	1
TOTAL FOR ORNAMENTAL - HERBACEOUS	**49**	
ORNAMENTAL - WOODY		
AZALEA	*Rhododendron X hybrid azaleas*	1
BOXWOOD	*Buxus spp. and hybrids*	16
BURNING BUSH	*Euonymus alatus*	1
CARYOPTERIS	*Caryopteris spp.*	1
CLIMBING HYDRANGEA	*Hydrangea petiolaris*	1
GARDENIA	*Gardenia jasminoides*	1
HEMLOCK, CANADIAN	*Tsuga canadensis*	3
HIBISCUS	*Hibiscus sp./spp.*	1
HOLLY	*Ilex spp. x hybrids*	2
HYDRANGEA	*Hydrangea spp. x hybrids*	3
INKBERRY	*Ilex glabra*	1
JAPANESE FLOWERING CHERRY	*Prunus serrulata*	1
JAPANESE YEW	*Podocarpus spp.*	1
LILAC	*Syringa spp. x hybrids*	1
LITTLELEAF BOXWOOD	*Buxus microphylla*	1
PARLOR MAPLE	*Abutilon sp./spp.*	1
PHYSOCARPUS	*Physocarpus sp./spp.*	1
RHODODENDRON	*Rhododendron spp. x hybrids*	5
ROSE	*Rosa spp. x hybrids*	7
ROSE-OF-SHARON; SHRUB-ALTHEA	*Hibiscus syriacus*	1
WESTERN RED CEDAR	*Thuja plicata*	1
WHITE FIR	*Abies concolor*	1
WISTERIA	*Wisteria siueusis*	1
WISTERIA	*Wisteria sp./spp.*	1
WITCHHAZEL	*Hamamelis sp./spp.*	2
YEW	*Taxus spp. x hybrids*	2
TOTAL FOR ORNAMENTAL - WOODY	**58**	

SMALL FRUIT - BERRIES		
BLUEBERRY	*Vaccinium spp. x hybrids*	3
GRAPE	*Vitis vinifera*	1
STRAWBERRY	*Fragaria x ananassa*	11
TOTAL FOR SMALL FRUIT - BERRIES	**15**	
TREE - FRUIT/NUT		
APPLE	*Malus domestica*	2
CHERRY	*Prunus spp. x hybrids*	3
CITRUS	*Citrus spp.*	1
CRABAPPLE	*Malus spp. x hybrids*	3
GUAVAS	*Psidium sp./spp.*	1
HICKORY	*Carya spp.*	1
LEMON	*Citrus limon*	1
PEACH	*Prunus persica var. persica*	1
PEAR	*Pyrus spp. x hybrids*	1
PLUM	*prunus sp*	1
TOTAL FOR TREE - FRUIT/NUT	**15**	
TREE - SHADE		
ARBORVITAE	*Thuga spp*	3
BEECH	*Fagus spp. x hybrids*	2
BLUE SPRUCE	*Picea pungens*	2
CANAAN FIR	*Abies balsamea*	1
CYPRESS, LEYLAND	*Cupressocyparis leylandii*	1
DOGWOOD	*Cornus spp.*	3
EUROPEAN BEECH	*Fagus sylvatica*	1
FIR	*Abies spp. x hybrids*	6
GINKGO	*Ginkgo biloba*	1
JAPANESE MAPLE	*Acer palmatum dissectum*	1
JUNIPER	*Juniper spp*	4
JUNIPER	*Juniperus chinenisi*	1
LAUREL, MOUNTAIN	*Kalmia latifolia*	1
LAUREL, MOUNTAIN	*Sophora secundiflora*	1
MAPLE	*Acer spp. x hybrids*	2
MAPLE, JAPANESE	*Acer palmatum*	3
PINE, EASTERN WHITE	*Pinus strobus*	1
POPLAR	*Populus spp. x hybrids*	1

SPRUCE	*Picea spp. x hybrids*	9
SPRUCE, WEEPING NORWAY	*Picea abies*	1
TREE	*Various genera and species*	1
TOTAL FOR TREE - SHADE	**46**	
TURFGRASS		
FESCUE		1
FESCUE	*Festuca spp. x hybrids*	1
GRASS, TURF		1
TOTAL FOR TURFGRASS	**3**	
UNKNOWN		
UNKNOWN, PLANT	*Unknown Unknown*	1
TOTAL FOR UNKNOWN	**1**	
VEGETABLE		
BEET	*Beta vulgaris*	1
BROCCOLI	*Brassica oleracea var. botrytis*	1
BRUSSELS-SPROUTS	*Brassica oleracea*	1
CABBAGE	*Brassica oleracea var. capitata*	2
CUCUMBER	*Cucumis sativus*	4
EGGPLANT	*Solanum melongena*	2
GINGER, WILD	*Asarum canadense*	1
HORSERADISH	*Amoracia rusticana*	1
KALE	*Brassica oleracea*	1
LETTUCE	*Lactuca sativa*	1
PEPPER	*Capsicum spp. x hybrids*	1
POTATO	*Solanum tuberosum x hybrids*	4
PUMPKIN	*Cucurbita sp./spp.*	3
SQUASH	*Curcurbita spp.*	4
SQUASH, ALL VARIETIES	*Curcurbita spp.*	1
TOMATO	*Lycopersicon esculentum*	58
TOTAL FOR VEGETABLE	**86**	
NO CROP TYPE SPECIFIED		
HOMALOMENA	*Homalomena sp./spp.*	1

NERVE PLANT	*Fittonia spp*	1
SWAMP MILKWEED	*Asclepias incarnata*	1
UNKNOWN WEEDS; UNKNOWN PLANTS	*Mixed species*	5
WHITE SPRUCE	*Picea glauca*	1
ZYGOCACTUS; CACTUS	*Schlumbergera sp./spp.*	1
TOTAL FOR *NO CROP TYPE SPECIFIED*	**10**	

No Crop Type Specified
Homalomena

1 No virus found
1 Total for Homalomena

Nerve Plant

1 No virus found
1 Total for Nerve Plant

Swamp Milkweed

1 Anthracnose; Colletotrichum leaf spot
1 Thrips damage
2 Total for Swamp Milkweed

Unknown Weeds; Unknown plants

5 No virus found
5 Total for Unknown Weeds; Unknown plants

White Spruce

1 No pathogen found
1 Total for White Spruce

Zygocactus; Cactus

1 No virus found
1 Total for Zygocactus; Cactus

FIELD CROP
Pepper

1 No virus found
1 Total for Pepper

Soybean

1 No pathogen found
1 Total for Soybean

Tobacco

1 No pest or disease of concern found
1 No virus found
2 Total for Tobacco

NATIVE PLANT
Mountain Laurel

1 Phyllosticta leaf spot
1 Total for Mountain Laurel

ORNAMENTAL - grass
Aztec Grass

1 No pathogen found
1 Total for Aztec Grass

ORNAMENTAL - Herbaceous
Alstroemeria

1 No virus found
1 Total for Alstroemeria

Aralia, false

1 No virus found
1 Total for Aralia, false

Aroids

1 No virus found
1 Total for Aroids

Begonia

2 No pathogen found
1 No virus found
1 Phytophthora dieback; Blight
4 Total for Begonia

Begonia, Rex

3 No pathogen found
2 Phytophthora dieback; Blight
5 Total for Begonia, Rex

Butterflyweed

1 Mite damage

	1	**Total for Butterflyweed**
Culver's Root		
	1	Fusarium wilt; Fusarium wilt complex
	1	**Total for Culver's Root**
Dahlia		
	1	Anthracnose; Colletotrichum leaf spot
	1	**Total for Dahlia**
Daisy, Shasta		
	1	Anthracnose; Colletotrichum leaf spot
	1	**Total for Daisy, Shasta**
Dracaena		
	1	No pathogen found
	1	**Total for Dracaena**
Geranium		
	1	Bacterial blight
	1	**Total for Geranium**
Hemp		
	1	No pest or disease of concern found
	1	No virus found
	2	**Total for Hemp**
Hosta		
	1	No virus found
	1	**Total for Hosta**
Impatiens, New Guinea		
	1	No pest or disease of concern found
	1	**Total for Impatiens, New Guinea**
Larkspur		
	1	Pythium root and/or crown rot
	1	**Total for Larkspur**

Lavender

3	Fusarium wilt; Fusarium wilt complex
1	No pest or disease of concern found
1	Pythium root and/or crown rot
5	**Total for Lavender**

Mandevilla

1	Anthracnose; Colletotrichum leaf spot
1	**Total for Mandevilla**

Marigold

1	Bacterial blight
1	**Total for Marigold**

Morning Glory

1	Alternaria leaf spot
1	Oedema; Edema
2	**Total for Morning Glory**

Orchid Cactus; Fishbone

2	No pathogen found
2	**Total for Orchid Cactus; Fishbone**

Oxalis

1	No pathogen found
1	**Total for Oxalis**

Pachysandra

1	Root-knot nematodes
2	Volutella canker; Leaf blight
3	**Total for Pachysandra**

Perilla

1	No virus found
1	**Total for Perilla**

Petunia

1	No pathogen found
1	**Total for Petunia**

Piggyback Plant

1 No virus found
1 Total for Piggyback Plant

Poinsettia

1 No virus found
1 Total for Poinsettia

Primrose, Cape

1 No virus found
1 Total for Primrose, Cape

Rudbeckia

1 Alternaria leaf spot
1 Thrips damage
2 Total for Rudbeckia

Schefflera

1 No virus found
1 Total for Schefflera

Spiderflower

1 Bacterial blight
1 Total for Spiderflower

Stock

1 Pythium root and/or crown rot
1 Total for Stock

Symphoricarpos

1 Powdery mildew
1 Total for Symphoricarpos

Viburnum

1 No pathogen found
1 Total for Viburnum

Wax-flower

1 No pest or disease of concern found
1 Total for Wax-flower

ORNAMENTAL - woody

Azalea

1	Leaf and flower gall
1	**Total for Azalea**

Boxwood

1	Boxwood blight; Leaf and stem blight
4	Boxwood leafminer
1	Boxwood Volutella blight; Canker
2	No pathogen found
9	Volutella blight
17	**Total for Boxwood**

Burning Bush

1	Insufficient sample
1	**Total for Burning Bush**

Caryopteris

1	Alternaria leaf spot
1	**Total for Caryopteris**

Climbing Hydrangea

1	Anthracnose; Colletotrichum leaf spot
1	**Total for Climbing Hydrangea**

Gardenia

1	Thrips damage
1	**Total for Gardenia**

Hemlock, Canadian

2	Hemlock woolly adelgid
1	No pathogen found
3	**Total for Hemlock, Canadian**

Hibiscus

1	Alternaria leaf spot
1	**Total for Hibiscus**

Holly

1	Cercospora leaf spot

	1	No pathogen found
	2	**Total for Holly**
Hydrangea		
	1	Botryosphaeria canker; Dieback
	1	No pathogen found
	1	Powdery mildew
	3	**Total for Hydrangea**
Inkberry		
	1	Cercospora leaf spot
	1	**Total for Inkberry**
Japanese Flowering Cherry		
	1	Brown rot blossom blight
	1	**Total for Japanese Flowering Cherry**
Japanese Yew		
	1	No pathogen found
	1	**Total for Japanese Yew**
Lilac		
	1	No pathogen found
	1	**Total for Lilac**
Littleleaf Boxwood		
	1	No pathogen found
	1	**Total for Littleleaf Boxwood**
Parlor Maple		
	1	No virus found
	1	**Total for Parlor Maple**
Physocarpus		
	1	Alternaria leaf spot
	1	**Total for Physocarpus**
Rhododendron		
	1	Anthracnose; Colletotrichum leaf spot
	2	Botryosphaeria canker; Dieback

	1	No pathogen found
	1	Wind damage
	5	**Total for Rhododendron**
Rose		
	2	Black spot (Rose)
	2	Botryosphaeria canker; Dieback
	2	No virus found
	1	Rose rosette disease (RRV)
	7	**Total for Rose**
Rose-of-sharon; Shrub-althea		
	1	No pathogen found
	1	**Total for Rose-of-sharon; Shrub-althea**
Western Red Cedar		
	1	No pathogen found
	1	**Total for Western Red Cedar**
White Fir		
	1	No pathogen found
	1	**Total for White Fir**
Wisteria		
	1	No pathogen found
	1	Septoria leaf spot
	2	**Total for Wisteria**
Witchhazel		
	1	Botryosphaeria canker; Dieback
	1	No pathogen found
	2	**Total for Witchhazel**
Yew		
	2	No pathogen found
	2	**Total for Yew**

SMALL FRUIT - berries

Blueberry

2	Blueberry scorch (BLScV)
1	Phomopsis canker and twig blight
3	**Total for Blueberry**

Grape

1	No pest or disease of concern found
1	**Total for Grape**

Strawberry

1	Fusarium wilt; Fusarium wilt complex
10	Strawberry crown rot
1	Strawberry hard brown rot
12	**Total for Strawberry**

TREE - fruit/nut

Apple

1	Cedar-apple rust
1	No pathogen found
2	**Total for Apple**

Cherry

1	Alternaria leaf spot
1	Anthracnose; Colletotrichum leaf spot
1	Leaf blight and spot; Shothole
1	Powdery mildew
4	**Total for Cherry**

Citrus

1	No virus found
1	**Total for Citrus**

Crabapple

2	Apple scab
1	Cedar-apple rust
3	**Total for Crabapple**

Guava

1 Alternaria leaf spot
1 Total for Guavas

Hickory

1 Phomopsis gall
1 Total for Hickory

Lemon

1 No pathogen found
1 Total for Lemon

Peach

1 Peach leaf curl
1 Total for Peach

Pear

1 No pathogen found
1 Total for Pear

Plum

1 Peach leaf curl
1 Total for Plum

TREE - shade

Arborvitae

1 Insect damage
1 No pathogen found
1 Pestalotiopsis needle blight; Tip blight
1 Phomopsis tip blight; Needle blight
4 Total for Arborvitae

Beech

2 Beech Leaf Disease
2 Total for Beech

Blue Spruce

1 No pathogen found
1 Rhizosphaera needle cast

	2	**Total for Blue Spruce**
Canaan Fir		
	1	Cryptomeria scale
	1	**Total for Canaan Fir**
Cypress, Leyland		
	1	No pathogen found
	1	**Total for Cypress, Leyland**
Dogwood		
	1	Fall webworm
	2	No pathogen found
	3	**Total for Dogwood**
European Beech		
	1	Leaf gall nematode
	1	**Total for European Beech**
Fir		
	3	Cryptomeria scale
	3	No pathogen found
	6	**Total for Fir**
Ginkgo		
	1	No pathogen found
	1	**Total for Ginkgo**
Japanese Maple		
	1	No pathogen found
	1	**Total for Japanese Maple**
Juniper		
	1	Insect damage
	1	Kabatina tip blight; Needle blight
	1	No pathogen found
	1	Pestalotiopsis needle blight; Tip blight
	1	Phomopsis tip blight; Needle blight
	5	**Total for Juniper**

Laurel, Mountain

1	Cercospora leaf spot
1	**Total for Laurel, Mountain**

Maple

1	Anthracnose; Colletotrichum leaf spot
1	No pathogen found
2	**Total for Maple**

Maple, Japanese

2	Botryosphaeria canker; Dieback
1	No pathogen found
3	**Total for Maple, Japanese**

Pine, Eastern White

1	Brown spot; Needle blight
1	**Total for Pine, Eastern White**

Poplar

1	No virus found
1	**Total for Poplar**

Spruce

2	Cytospora canker
1	Diplodia tip blight; Canker
2	No pathogen found
3	Rhizosphaera needle cast
1	Woolly pine scale
9	**Total for Spruce**

Spruce, Weeping Norway

1	Diplodia tip blight; Canker
1	**Total for Spruce, Weeping Norway**

Tree

1	Animal damage
1	**Total for Tree**

TURFGRASS

Fescue

1 Chinch bug complex
1 Red thread
2 Total for Fescue

Grass, turf

1 No pathogen found
1 Total for Grass, turf

UNKNOWN
unknown, plant

1 No pathogen found
1 Total for unknown, plant

VEGETABLE
Beet

1 Southern blight
1 Total for Beet

Broccoli

1 Alternaria leaf spot
1 Total for Broccoli

Brussels-sprouts

1 Black rot
1 Total for Brussels-sprouts

Cabbage

1 Alternaria leaf spot
1 Black rot
2 Total for Cabbage

Cucumber

1 Alternaria leaf spot
2 Angular leaf spot
1 Downy mildew
1 No pathogen found
5 Total for Cucumber

Eggplant

1 Downy mildew
1 Early blight; Leaf spot
1 Verticillium wilt
3 Total for Eggplant

Ginger, Wild

1 Bacterial blight
1 Total for Ginger, Wild

Horseradish

1 Root aphids
1 Total for Horseradish

Kale

1 Crown gall
1 Total for Kale

Lettuce

1 Bacterial soft rot
1 Total for Lettuce

Pepper

1 No virus found
1 Total for Pepper

Potato

1 Alternaria leaf spot
1 Bacterial soft rot
1 Oedema; Edema
1 Thrips damage
4 Total for Potato

Pumpkin

2 Alternaria leaf spot
2 Downy mildew
1 Fusarium wilt; Fusarium wilt complex
5 Total for Pumpkin

Squash

1	Angular leaf spot
1	Bacterial blight
1	Bacterial soft rot
1	Fusarium wilt
1	No pathogen found
5	**Total for Squash**

Squash, all varieties

1	Alternaria leaf spot
1	**Total for Squash, all varieties**

Tomato

3	Bacterial canker
6	Early blight; Leaf spot
1	Fusarium wilt
1	No pathogen found
6	No pest or disease of concern found
14	No virus found
1	Oedema; Edema
1	Powdery mildew
2	Tobacco mosaic (TMV)
25	Tomato spotted wilt (TSWV)
60	**Total for Tomato**

A. Higher Plants (8)

Family: Not Provided

G. sp. Bluesgrass species, Bluegrass species

G. sp. Orchard grass, Orchard grass

Polygonium sp./spp., Knotweed

Family: Amaryllidaceae

Galanthus nivalis Snowdrops; Galanthus spp, Snowdrop

Family: Asparagaceae

Ornithogalum umbellatum, Star-of-Bethlehem

Family: Haloragaceae

Proserpinaca palustris, Mermaid Weed

Family: Poaceae

Festuca arundinacea Pasture-type, Tall Fescue (pasture-type)

Muhlenbergia schreberi, Nimblewill

B. Insects (3)

Order: diptera

Family: Drosophilidae

Drosophila sp., vinegar fly

Order: hemiptera

Family: Coccoidea

G. sp., scale

Order: Thysanoptera

Family: Thripidae

Thrips parvispinus, Tropical Tobacco Thrips

UConn Home & Garden Education Center & UConn Plant Diagnostic Lab

Free Horticultural Consulting Service, Sample Drop-Off, and Plant/Insect Identification

1380 Storrs Road, Unit 4115, Rm 004 and 008

Storrs, CT, 06269-4115

Hours: Monday- Friday, 8:30am-4:30pm

860-486-6271

Ladybug@uconn.edu

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- Chenghao "Lou" Lou
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- Nicole Gabelman
- Christine "Chris" Strand

And an extra-special thanks to all the folks that have submitted samples in 2022. Thank you!

Additional Resources:

The following links are great resources to learn more about other UConn programs, services, and departments, in addition to the National Plant Diagnostic Network.

UConn Plant Diagnostic Laboratory - https://plant.lab.uconn.edu/

Home & Garden Education Center - https://homegarden.cahnr.uconn.edu/

Soil Nutrient Analysis Laboratory - https://soiltesting.cahnr.uconn.edu/

UConn IPM - https://ipm.cahnr.uconn.edu/

Department of Plant Science and Landscape Architecture - https://psla.uconn.edu/

UConn Extension - https://cahnr.uconn.edu/extension/

National Plant Diagnostic Network - https://www.npdn.org/home

Visiting & Parking Information

We are located in the Ratcliffe Hicks Building & Arena (1380 Storrs Rd, Storrs, CT 06269). Off of RT 195, turn onto Manter Rd. (formally Horsebarn Hill Rd. Ext.). Take your first right, down the short hill. At the bottom of the hill, take a right to the rear of Ratcliffe Hicks Building & Arena. Park against the big stone wall in one of the two parking spaces for visitors to the Home & Garden Education Center. Enter the building via the handicap ramp. The HGEC is where you will drop-off your sample(s) – room 004. If you would like contactless drop-off or if there is nobody available to assist, samples may be dropped-off in the labeled red cooler near the entrance. It is checked each day, Monday through Friday, except during observed holidays.

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- Extension Implementation Program. USDA-NIFA-CPPM-008055

color, national origin, sex (including gender identity and sexual orientation), disability, age, or reprisal or retaliation for prior civil rights activity.

Program information may be made available in languages other than English. Persons with disabilities who require alternative means of communication to obtain program information (e.g., Braille, large print, audiotape, American Sign Language), should contact the responsible state or local agency that administers the program or USDA TARGET Center at (202) 720-2600 (voice and TTY) or contact USDA through the Federal Relay Service at (800) 877-8339.

To file a program discrimination complaint, a Complainant should complete a Form AD-3027, USDA Program Discrimination Complaint Form which can be obtained online at: https://www.usda.gov/sites/default/files/documents/USDA-OASCR P-Complaint-Form-0508-0002-508-11-28-17Fax2Mail.pdf , from any USDA office, by calling (866) 632-9992, or by writing a letter addressed to USDA. The letter must contain the complainants name, address, telephone number, and a written description of the alleged discriminatory action in sufficient detail to inform the Assistant Secretary for Civil Rights (ASCR) about the nature and date of an alleged civil rights violation. The completed AD-3027 form or letter must be submitted to USDA by:

1. **Mail:**
   U.S. Department of Agriculture
   Office of the Assistant Secretary for Civil Rights
   1400 Independence Avenue, SW
   Washington, D.C. 20250-9410; or
2. **Fax:**
   (833) 256-1665 or (202) 690-7442; or
3. **Email:**
   program.intake@usda.gov