



## July 2019 Diagnostic Summary

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### News

- We enjoyed hosting international interns from Casertano Farms in the lab for a conversation about the plant diagnostic process.
- The UConn Plant Diagnostic Lab will be presenting at the UConn Extension IPM Program's Vegetable IPM Field Workshop on August 13. Advanced registration is required.  
<https://bit.ly/2ZJ0lpa>



Photo by R. Raudales

### Frequent Reports

Apple scab, bacterial leaf spot diseases, downy mildew, fall webworms, fungal leaf spot diseases, Gymnosporangium rusts, oriental beetles, powdery mildew, tent worms, and Volutella blight.

### Reports by Location

UConn Plant Diagnostic Lab/ Home & Garden Education Center

#### Arthropods on plants

Bagworm on arborvitae	Oriental beetle on day lily and rhododendron
Balsam twig aphid on balsam (suspected)	Phylloxera on grape
Boxwood mite on boxwood	Spider mite on hydrangea
Cicada on sunflower	Squash beetle on squash
Elongate hemlock scale on hemlock	Squash bug on squash
Fall webworm on apple (3), basil, blueberry	Thrips on coreopsis and rose
Hemlock wooly adelgid on hemlock	Tomato fruitworm on tomato
Leaf miner on holly	Tortoise beetle larva on tomato
Magnolia scale	White pine weevil (2)



Bagworm casing (left; photo by S. Pelton); squash bug eggs on squash (right; photo by A. Beissinger).

### Arthropods (other)

Bedbug	Drugstore beetle
Chocolate Prominent moth	Grass carrying wasp
Cicada (3)	Oriental beetle
Carpet beetle	Red spotted purple ( <i>Limenitis arthemis</i> )
Click beetle	Yellow bear caterpillar
Centipede	

### Plant diseases

Alternaria leaf spot on bean, lilac, magnolia	Phyllosticta leaf spot on Japanese maple, red maple, and itea
Apple scab on apple (4)	<i>Phytophthora</i> spp. on forsythia, maple, and rudbeckia
Aster yellows on echinacea (suspected)	<i>Potyvirus</i> on pepper
Bacterial canker on tomato	Powdery mildew on bee balm
Bacterial leaf spot ( <i>Pseudomonas</i> sp.) on salvia and pepper	Red spot ( <i>Mycocentrospora acerina</i> ) on peony
Bacterial soft rot ( <i>Pectobacterium</i> sp.) on cabbage	<i>Rhizoctonia solani</i> on Ajuga
Black knot on plum	Rose mosaic on rose (suspected)
Black rot on cedar (suspected) and grape	Septoria leaf spot on tomato
Botrytis blight on lilac and rose	Slime flux on maple
Cedar-apple rust on apple and crabapple	Spur blight on raspberry
<i>Cucumber mosaic virus</i> on tomato	<i>Stagonospora</i> sp. on Panicum
Dollar spot on turf	Stem end rot ( <i>Alternaria</i> sp.) on lemon
Downy mildew on grape	Tip blight on cedar
Early blight on tomato	<i>Tobacco mosaic virus</i> on tomato (3) and cucumber
Fig rust ( <i>Cerotelium fici</i> ) on fig	<i>Tobacco rattle virus</i> on peony
Fungal leaf scorch on maple	<i>Tomato spotted wilt virus</i> on tomato
Leaf blotch on peony	Verticillium wilt on eggplant and paperbark maple
<i>Pestalotiopsis</i> sp. on holly	Volutella blight on boxwood (4) and pachysandra
Phomopsis tip blight on sequoia	



Bacterial leaf spot on pepper (*Pseudomonas* sp.) on pepper (left); Apple scab with olive green to black sporulation on apple leaves caused by *Venturia inaequalis* (middle); Tobacco rattle virus on peony. Photos by A. Beissinger.

### Plant ID

Asiatic Garden Lily	Lady's thumb ( <i>Persicaria</i> sp.)
Autumn olive	Locust
Barnyard grass (suspected)	None so pretty ( <i>Silene armeria</i> )
Black cherry	Persimmon
Club moss ( <i>Dendrolycopodium</i> sp.)	Pokeweed (2)
Colts foot (suspected)	Spiderwort
Datura	Sow thistle (suspected)
<i>Euonymus alatus</i>	Three seeded copperleaf
Giant Ragweed (2)	<i>Tilia tomentosa</i>
<i>Houttuynia cordata</i>	Tulip tree
<i>Ilex crenata</i>	Wild lettuce (2)
Japanese andromed	Yellow nutsedge

### Cultural

Blossom end rot on tomato
Copper injury on peach
Drought stress on squash
Fertilizer injury on rhododendron
Herbicide injury on tomato, rose, hydrangea
Winter injury on dogwood and <i>Tsuga canadensis</i>



Pokeweed. Photo by CT Invasive Plant Working Group.

## Fairfield County (Submitted by Thomas MacGregor)

### Arthropods on plants

Aphids on apple and lupine	Predatory midges on apple
Asparagus beetle grub	Sawflies on elm

## Arthropods on plants (cont.)

Black swallowtail caterpillar on fennel	Scale on hemlock and hydrangea
Citrus flaccid planthopper (2)	Shot hole leaf miner of oak (2)
Eriophyid mites on buttonbush	Spider mites on black pine and butterfly bush
Fall webworm on several (11)	Stink bug eggs on Elm
Grape phylloxera	Tent worms on several
Japanese beetle on Rose of Sharon	Three-lined potato beetle on tomatillo
Norway spruce gall midge (suspected)	

## Arthropods (other)

Ants	<i>Heterocampa umbrata</i>
Bark beetle	Oriental beetle
Blue mud wasp	<i>Sphecius speciosus</i> (2)
Carpet beetle larvae	Springtails
Fungus gnat larvae	Winged female carpenter ant
Green June beetles (2)	Wolf spider
Ground nesting bees (2)	

## Plant diseases

Anthracnose on dogwood	Juniper tip blight (2)
Black rot on grape (2)	Powdery mildew on bee balm and dogwood
Black spot on rose	Red thread on turf
Botrytis blight on peony (2)	Root rot on pea
Boxwood blight on boxwood (2)	Sclerotinia blight on forsythia (suspected)
Brown rot on peach	Septoria leaf spot on Rudbeckia
Cedar-apple rust	Spur blight ( <i>Didymella applanata</i> ) on raspberry
Diplodia tip blight on black pine	Stigmia needlecast on blue spruce
Downy mildew on Rudbeckia	Verticillium wilt on redbud
Dutch elm disease (suspected)	<i>Xanthomonas</i> spp. on plum and peach

## Plant ID

<i>Ailanthus altissima</i>	<i>Humulus japonica</i>
American hog peanut	<i>Juglans nigra</i>
Autumn olive	Maple leaf viburnum (2)
Beggartick	Mugwort (2)
Birdseye pearlwort	Norway maple
Broadleaf helleborine	<i>Pilea pumila</i>
Clover	Plantain
Cow parsnip	Pokeweed (2)
Dodder	<i>Rhus glabra</i>
<i>Echinochloa crus-galli</i>	Salvia
<i>Euonymus alatus</i>	Staghorn sumac
<i>Euonymus altrapurpurea</i>	Thyme leaf sandwort
<i>Euphorbia maculata</i>	Yellow sedge
Hickory	

## Cultural

Raccoon damage
Blossom end rot on tomato

## Hartford County

No report.

## Litchfield County (submitted by Michelle Winkler)

### Arthropods on plants

Aphids on elm
Azalea gall on rhododendron
Eriophyid mites on birch
Fall webworm on kousa dogwood
Hibiscus sawfly on hibiscus

### Arthropods (others)

Paper wasp
Snake worms

### Plant Disease

Rust on Rhododendron
<b>Plant ID</b>
Catchweed bedstraw
Liverwort
Virginia creeper
<b>Cultural</b>
Blossom end rot on tomato
Broccoli with likely pH/nutrient issue
Drought stress on lawn
Leaf scorch on rhododendron
Lichen on dying spruce trees



Fall webworm on kousa dogwood.  
Photo by M. Winkler.

## Middlesex County (Submitted by Gail Reynolds)

### Arthropods on plants

Elm leaf beetle on elm	Raspberry cane borer on <i>Rubus</i> sp.
<i>Eupithecia miserulata</i> caterpillar on parsley	Raspberry crown borer on <i>Rubus</i> sp.
Fall webworm on various (6)	Spruce gall adelgid on spruce
Green tortoise beetle on tomato	Striped cucumber beetle on squash
Japanese beetle on rhubarb	Sycamore plant bug on plane tree
Purple carrot seed moth caterpillar on dill	Two-spotted spider mite on hops

## Arthropods (other)

Asiatic garden beetle
Brown hooded owlet moth caterpillar
Lacewing larvae
Pine sawyer
Sugar ant



Brown hooded owlet moth caterpillar  
Photo by L. Knightly.

## Plant diseases

Anthracnose on star magnolia	Early blight on tomato
Apple scab on crabapple	Frog eye leaf spot ( <i>Botryosphaeria obtusa</i> ) on peach
Black knot on peach	Fungal leaf spot on balloon vine, black birch, and cherry
Boxwood blight on boxwood	Rhizosphaera needle cast on blue spruce
Cedar-hawthorn rust on Amalanchier	Xanthomonas bacterial leaf spot on Yoshino cherry (suspected)
Cercospora leaf spot on juniper	White pine fungal complex on white pine

Plant ID	Cultural
Asiatic dayflower ( <i>Commelina communis</i> )	Heat/humidity/excess water damage (3)
Autumn olive ( <i>Elaeagnus umbellata</i> ) (2)	Japanese maple leaf scald
Common chickweed ( <i>Stellaria media</i> )	Plum early drop of fruit
Common ground-nut ( <i>Apios Americana</i> )	Salt damage of burning bush
Dodder ( <i>Cuscuta</i> sp.)	Vole damage
Field bindweed ( <i>Convolvulus arvensis</i> )	Winter burn of holly
Hairy bittercress ( <i>Cardamine hirsuta</i> )	
Hayscented fern ( <i>Dennstaedtia punctilobula</i> )	
Japanese knotweed ( <i>Fallopia japonica</i> )	
Japanese stiltgrass ( <i>Microstegium vimineum</i> )	
Pennsylvania smartweed ( <i>Polygonum pennsylvanicum</i> )	
Queen of the prairie ( <i>Filipendula rubra</i> )	
Smooth groundcherry ( <i>Physalis longifolia</i> )	
Spindle tree ( <i>Euonymus europaea</i> )	
Trumpet creeper ( <i>Campsis radicans</i> ) (2)	
Virginia copperleaf ( <i>Acalypha virginica</i> )	

## New Haven County

No report.

## New London County (Submitted by Paul Armond)

Arthropods on plants	Plant diseases
Leaf miners on brassicas, nasturtium	Anthracnose on American beech
Oriental beetle on blueberry	Angular leaf spot on cucumber
Red lily leaf beetle	Powdery mildew on many plant species
White spotted sawyer beetle on decaying conifer	

Plant ID	Cultural
<i>Lobelia inflata</i>	Magnesium deficiency
Jewelweed	
Slender rush	

## Tolland County

No report.

## Windham County

No report.

## Bartlett Arboretum, Stamford (Submitted by Pat Carroll)

Arthropods on plants	Arthropods (other)
Sawfly on english rose	Asian jumping worm
<i>Sigmaria truimaculata</i> on fern	<i>Lumbricus terrestris</i>
Thrips on <i>Cissus alata</i>	Mydas fly
	Oriental beetle
	Polyphemus moth

Plant diseases	Plant ID
Alternaria blight on watermelon	<i>Ageratina altissima</i>
Black knot on plum	Dollarweed
Cedar-quince rust on quince (suspected)	Golden rod
Downy Mildey on basil	Green Ash
Septoria leafspot on tomato	Japanese stiltgrass
Serviceberry rust on Shadbush serviceberry	<i>Osmunda claytoniana</i>
	Pale swallow wort
	Pokeweed
<b>Cultural</b>	
Mineral deficiency of hops	Queen Anne'ss lace
	<i>Solanum incanum</i>