

What's New In Maine

TriState Greenhouse IPM Workshop

January 7, 2020

Hemp and Marijuana

▶ Hemp

- ▶ **Seedlings** (<12”, not flowering): Nursery license required
- ▶ **≥12” tall or flowering**: DACF Hemp Program license required
- ▶ **New hemp rules** comment period open through January 20, 2020 (email gary.fish@maine.gov).
- ▶ **Hemp Growers Seminar**: January 16, 9am-3pm Augusta Civic Center

▶ Marijuana (including seedlings)

- ▶ Follow rules established by Office of Marijuana Policy



Watch for These Cannabis Pests

▶ Stem Borers

- ▶ Eurasian hemp borer
- ▶ European corn borer

▶ Aphids

- ▶ Cannabis aphid
- ▶ Green peach aphid
- ▶ Rice root aphid

▶ Pathogens

- ▶ Powdery Mildew
- ▶ Gray Mold



Swede Midge

- New in ME in 2019
- Aroostook and Franklin County

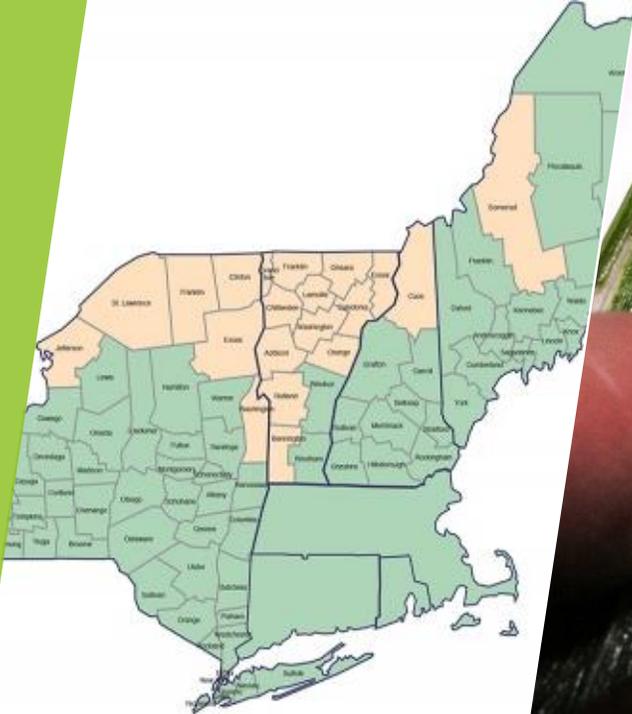


► Prevention

- Use good greenhouse sanitation
- Inspect incoming plants/plugs (eg ornamental kale)
- Scout regularly. Look for crinkled leaves, blind heads or distorted growing points.
- Control cruciferous weeds (eg mustard, shepherd's purse)

Leek Moth

- ▶ 1st found in Jackman, ME in 2017
- ▶ All alliums are potential hosts



Leek moth cocoon and pupa
Dan Olmstead
Cornell University
dan.olmstead@cornell.edu

2019 Greenhouse Pest Trends

Powdery Mildew

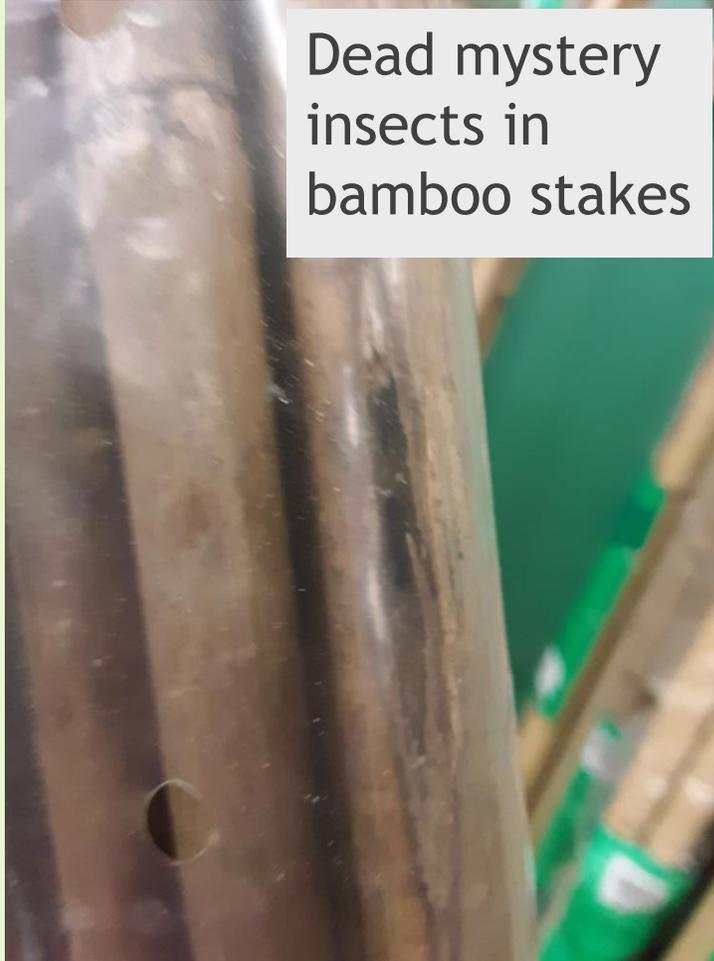
Photo: UNH
Extension



2019 Outdoor Pest Trends



2019 Outdoor Pest Trends



Chrysanthemum White Rust

- ▶ Found in Maine this year
- ▶ Federally regulated disease
- ▶ Prevent CWR
 - ▶ Avoid wetting foliage (use drip tapes or individual emitters)
 - ▶ Inspect incoming shipments
 - ▶ Train staff to look for it. Scout regularly





Quarantine Currants and Gooseberries

- ▶ Planting of plants in genus *Ribes* (currants and gooseberries) prohibited on town-by-town basis
- ▶ The planting or possession of European black currant, *Ribes nigrum* or its varieties anywhere within the boundaries of the State of Maine is prohibited.

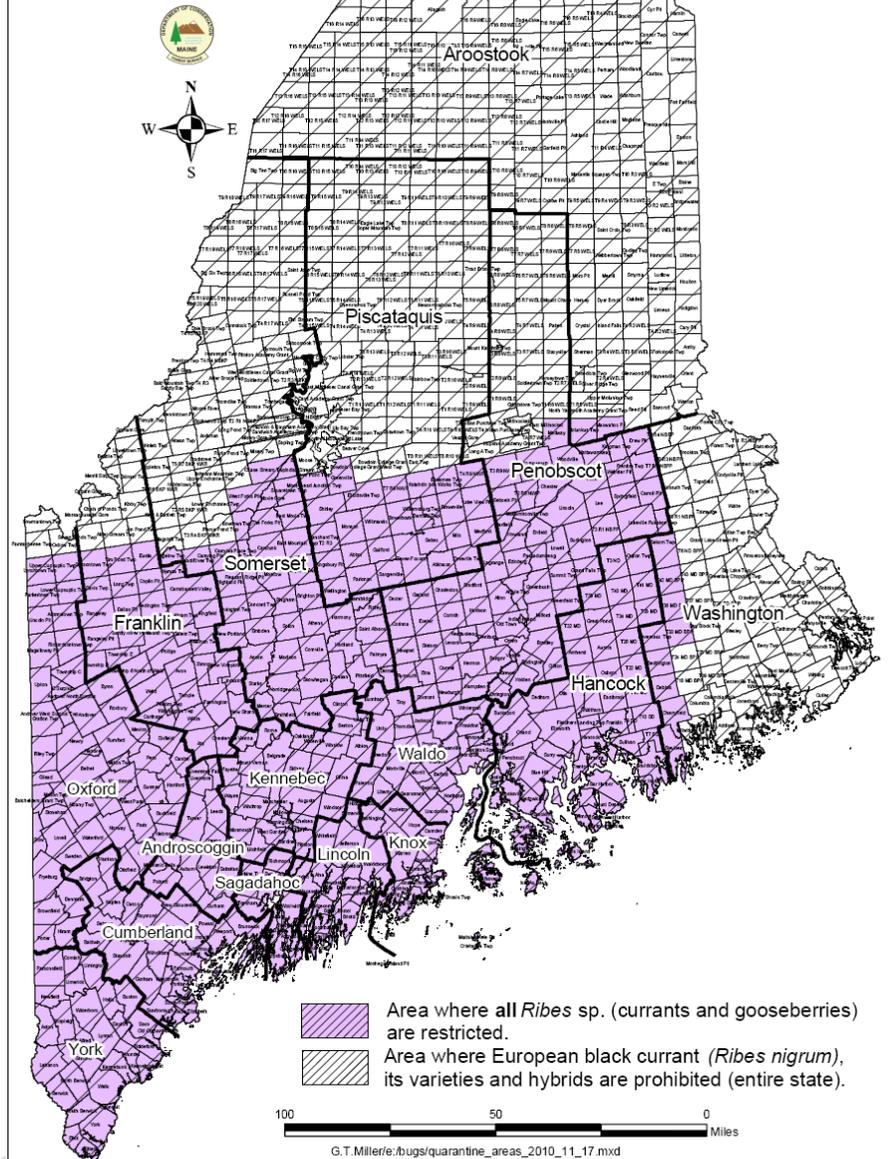
http://www.maine.gov/dacf/mfs/forest_health/diseases/white_pine_blister_rust_rule.htm



White Pine Blister Rust Quarantine Area

Department of Conservation
Maine Forest Service
Forest Health & Monitoring Div.

March 1, 2010



Daylily Gall Midge

- Found in Pacific Northwestern US and British Columbia

Photo: Vincent Alvarez

Midge larvae inside flower bud

Damaged blossom

Photo: Francois Verhaert



Spotted Lanternfly



True bugs have straw-like mouthparts

- A planthopper (true bug)
 - Piercing/sucking mouthparts
- 1 generation/year
- Adults are large - 1" long
- Eggs overwinter under a protective coating



Adult – feeding position



Egg mass – overwintering stage



4 nymphal stages – SIMPLE METAMORPHOSIS



Adult – wings spread

Tree of Heaven (*Ailanthus altissima*)

May be an essential host. How much do we have in Maine?



What's Being Done

- Quarantines- PA, NJ, DE, MD, VA, WV
- NY Truck Stop:
 - Trucks leaving NJ/PA are stopped at the NY border and inspected;
 - Drones are used to check tops of trucks.
- Voluntary Self-Inspection/Checklist/Scrape cards



What do you need to do?



All we ask, is that you look before you leave a quarantined area. Inspect your car or other things that have sat outside. Look for the spotted lanternfly (or their egg masses) to avoid transporting them.



Report

Tree of Heaven



Spotted Lanternfly



Bugwatchme.agr@maine.gov

Stay Updated
Join Maine Bug Watch



Resources

- ▶ **Maine Department of Agriculture, Conservation and Forestry Plant Health Division**
 - ▶ **Apiary • Arborist • Ginseng • Horticulture • Hemp**
207-287-3891
 - ▶ www.maine.gov/
- ▶ **Cooperative Extension: Insect Pests, Ticks, and Plant Diseases**
 - ▶ 207.581.3880 or 800.287.0279 (in Maine)
 - ▶ extension.diagnosticlab@maine.edu

