EMERALD ASH BORER FOUND OUTSIDE OF STATE QUARANTINE DURING NY FIRST DETECTOR WORKSHOP
Rachel McCarthy, NEPDN, Plant Pathology and Plant-Microbe Biology Section, Cornell University

Two First Detector workshops were held during NY’s invasive species awareness week—one in western NY on July 14 and one in eastern NY on July 17. The workshops were funded through the Farm Bill as part of Dr. Amanda Hodges’ multi-agency and multi state First Detector project “collaborative and enhanced First Detector training for Florida, California and New York”.

The collaborative and enhanced First Detector training project is a multi-agency effort focused on enhancing the early detection of invasive pests that threaten agriculture, nursery industries and natural areas. The NY program is coordinated at Cornell University and is a cooperative effort between the United States Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), and Plant Protection and Quarantine (PPQ), New York State Department of Agriculture and Markets (NYSDAM), the Cooperative Agricultural Pest Survey (CAPS) program and the NPDN. This year Cornell partnered with New York’s PRISMs (Partnership for Regional Invasive Species Management) to promote the training programs through their volunteer networks.

The WNY presentation team consisted of Mark Whitmore, Cornell University; Dana Seymour, USDA-APHIS-PPQ; Rachel McCarthy, Cornell University; Leroy Whilby, FL CAPS/Florida Department of Agriculture & Consumer Services and Bill Ellsworth, NYSDAM. The ENY team consisted of Ethan Angell, New York State Department of Agriculture and Markets, at the eastern NY First Detector workshop in Ballston Spa, NY; Thom Allgaier, USDA-APHIS-PPQ; and Rachel McCarthy and Caroline Marschner, Cornell University.

Workshop participants are encouraged to survey for the target pests covered during their workshop and submit suspect samples to one of four ash trees were found to be infested with EAB.

Issue Highlights

- NPDN IT diagnosticians meeting
- NPDN national meeting website is now available
- Upcoming SPN workshops
- 2015 invasive snail and slug materials online
- August is tree check month
Cornell’s diagnostic labs. If they look for a pest and do not find it, participants are asked to report this negative data via email. The 2015 target pests for New York are hemlock woolly adelgid, emerald ash borer, spotted lanternfly, Asian longhorned beetle, oak wilt, thousand cankers disease and boxwood blight, and were determined by the NY partners earlier in the year.

**Emerald ash borer found at Fredonia workshop!**

In preparation for the workshop, Bill Ellsworth, NYSDAM horticulture inspector supervisor, and Jamilyn Woodside, WNY regional horticulture inspector surveyed the campus grounds to map out our signs and symptoms walk. SUNY Fredonia was selected for the workshop site because we were interested in focusing on hemlock woolly adelgid which was known to be on campus. Finding EAB was—well a bonus!

Four ash trees were found to be infested with the borer. The trees showed textbook symptoms—thinning, woodpecker damage, bark splitting and one had lots of epicormic sprouts growing out of the trunk. Several of the workshop participants were members of the grounds crew at Fredonia and gave us permission to open up the trees during the workshop. Mark and Bill did the honors and opened up two of the four trees revealing loads of frass-filled serpentine galleries and many EAB larvae. Mark demonstrated how to follow the gallery back to where it seems to end; if there isn’t an exit hole, shave back into the wood to find the pupa or j-shaped larva getting ready to pupate. One participant collected a couple larvae during the walk and submitted them to the Cornell Insect Diagnostic Laboratory for confirmation.

This was an important find for NY because the infested trees on campus were outside of the state’s EAB quarantine. NYSDAM is working with the NYS Department of Environmental Conservation DEC to revise the state quarantine.

photos © Carri Marschner, Cornell University

photos from the First Detector workshop in Fredonia, NY (from the top): symptomatic ash trees with thinning crowns; Bill Ellsworth, New York State Department of Agriculture and Markets, removes bark from one of the symptomatic trees; Rachel McCarthy points out woodpecker damage and d-shaped exit holes on infested ash; EAB larva and galleries on removed bark. Visit our Facebook page for more pics!
NPDN IT/diagnosticians meeting
Eileen Luke and Mike Hill, CERIS, Purdue University

After a five year break, NPDN will be holding an IT/Diagnosticians meeting which will be hosted by CERIS at Purdue University on October 28–29, 2015. Each region will be sending diagnosticians to attend and there will be IT representation from the Lab Information Management Systems (LIMS) and NPDN National Repository as well.

The meeting details such as hotel and travel arrangements are still being finalized. The agenda is currently being created based on input from the Associate Directors, the recent NPDN Strategic Meeting, and the upcoming NPDN Townhall at APS. Please stay tuned to future newsletters for additional details on the upcoming IT/Diagnosticians meeting. If you have any questions, please contact Eileen Luke (765) 494-6613, or Mike Hill (765) 494-9854.

in case you missed it...

APS Journals: plant disease
First report of an Ipomovirus infecting cucurbits in the Imperial Valley of California
July 2015, Volume 99, Number 7, Page 1042
http://dx.doi.org/10.1094/PDIS-12-14-1248-PDN

O. Batuman, Department of Plant Pathology, University of California-Davis, CA 95616; E. T. Natwick, University of California ANR Cooperative Extension Imperial County, Holtville, CA 92250; W. M. Wintermantel, United States Department of Agriculture-Agricultural Research Service, Salinas, CA 93905; T. Tian, California Department of Food and Agriculture, Sacramento, CA 95832; J. D. McCreight and L. L. Hladky, United States Department of Agriculture-Agricultural Research Service, Salinas, CA 93905; and R. L. Gilbertson, Department of Plant Pathology, University of California-Davis, CA 95616.
The NPDN 2016 4th National Meeting agenda is now online. For more information including registration and program details please visit http://conference.ifas.ufl.edu/npdn/.

**Tuesday, March 8, 2016:** regional meetings for NEPDN, SPDN & WPDN

**Wednesday & Thursday, March 9–10, 2016:** meeting program

**Friday, March 11, 2016:** field trips

**Saturday, March 12, 2016:** workshops

**Upcoming Sentinel Plant Network workshops this fall**

The Sentinel Plant Network is holding two professional development workshops this fall:

- September 22–23, Washington DC
- October 5–6 in Madison, WI

If you are interested in attending please contact Rachel McCarthy at rachel.mccarthy@cornell.edu.

**2015 invasive snail and slug workshop is online!**

- all of the presentations are now available online to view or download
- watch the presentations as they were delivered (*top most link*)

www.wpdn.org/training_presentations
UPCOMING EVENTS

Meetings

August 1–5, 2015
2015 APS Annual Meeting
Pasadena, CA

August 2–6, 2015
National Plant Board 2015 Annual Meeting
Sedona, AZ

November 15–18, 2015
Entomology 2015
Minneapolis, MN

March 8–12, 2016
NPDN 4th National Meeting
Washington DC

PHOTO OF THE MONTH

Taphrina sp., leaf blister
Leaf cross-section with asci on surface.
Bruce Watt, Bugwood.org

CONTRIBUTE

Share Tips and News with Your Colleagues
Recently write an article for a trade journal? Do you have a tip, announcement, regional news or network update you would like to include in the NPDN News? Email Rachel McCarthy at rachel.mccarthy@cornell.edu

Visit beetlebusters.info for outreach materials
Visit www.firstdetector.org for helpful diagnostic tools on look alike species.