

First Detector Network News

A newsletter for the NPDN First Detector Community

December 2009 *Volume 8 Number 10*

Highlights.....	The Brown Marmorated Stink Bug	
<p>NEW! European Oak Borer (EOB) has been found in a trap in NY state. This is a first report for that state. More HERE.</p> <p>NEW! Expansion of Federal quarantine area for HLB due to the detection in the Commonwealth of P.R. HERE.</p> <p>NEW! Establishment of new quarantine area for Mediterranean Fruit Fly in California. More HERE.</p>	<p>First confirmed documentation of the Brown Marmorated Stink Bug in the United States occurred in Allentown, Pennsylvania October 2001. <i>Halyomorpha halys</i> is native to Asia. In its native habitat it is a known pest of fruit trees, shade trees, woody ornamentals, legumes, soybeans, and other vegetables.</p>	<p>Maine, Maryland, Minnesota, Mississippi, Montana, New Jersey, New York, Nevada, Ohio, Oregon, Pennsylvania, S. Dakota, Tennessee, Utah, Virginia, Washington, W. Virginia, Wisconsin, and Wyoming.</p>
In this issue....	<p>Nielsen and Hamilton 2009 completed an extensive survey of BMSB populations at farms in New Jersey and Pennsylvania and found approximately 25% damage per fruit tree. It is possible that this damage could be greater in the southern states due to a warmer climate that would contribute to the production of two generations of bugs per year. For more information including life cycle, identification tips and a complete list of all plants known to host the BMSB please click here.</p>	
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2009 NPDN Meeting a Success

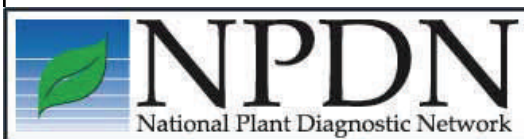


The 2009 NPDN meeting held in Miami, FL was a success. Participants came from around the world to learn new techniques, share information and find out about the latest products on the market. Workshops such as “Technology Tools and the NPDN” and “*Spodoptera litura* and *S. littoralis* Identification” were held. ([The complete program book can be viewed here](#)).



To provide a glimpse of the Miami area pre and post meeting tours were planned. Sunday’s tour was to the [Fairchild Botanical Gardens](#). While I personally was unable to experience the trip it received rave reviews from the folks who went. Thursday’s post meeting tour was entitled “Production Agriculture/Greenhouse Tour”.

The meeting provided a chance for old friends to catch up and for new friends to be made. The Intercontinental Hotel in Miami was lovely and provided very nice rooms for the meetings, lunches and dinner.





Training and other updates...

- Did you know....**NPDN is now on Twitter!** If you need more NPDN relevant updates then check out the NPDN on twitter. The content will focus primarily on items of interest to the First Detectors and the NPDN community. Get those tweets [here](#).
- Do you have an interest in authoring a NPDN E-Learning module? Due to requests a simplified guide for authoring NPDN E-Learning Modules has been posted on the NPDN First Detector information page. That link is [here](#).



First Detector Training for the Master Gardener

- Click [here](#) for the link.

Free 2009 NEIPM Berry Webinar series

- Click [here](#) for the link.

Web based IPM education designed to help individuals become proficient in IPM principles and applications of IPM. CEU's available.

- Click [here](#) for the link.

Highlights con't....

Update on detection of Huanglongbing in backyard trees in Mexico [HERE](#).

NEW! Detection of the red palm mite in Cancun and Isla Mujeres, Quintana Roo, Mexico [HERE](#)

NEW! Removal of quarantine area for Mediterranean Fruit Fly in the San Diego (Mira Mesa community) area of San Diego County California [HERE](#).

Employment Opportunities

There are currently no employment opportunities listed. Please check the January 2010 First Detector Newsletter.

Citrus Greening in western Mexico worries growers in California

Taken from [Los Angeles Times...](#)

Citrus Greening has already had an extremely adverse affect on the citrus industries in Brazil and Florida. This has led California citrus growers and agricultural officials to be on high alert for any signs of the progression of the disease. Last week Citrus Greening was confirmed in 51 trees in the western coastal states of Nayarit and Jalisco, Mexico. It is even more disturbing to learn that these trees were discovered via visual inspections in the field before the diagnosis was confirmed in the lab. A citrus tree can be infected and symptomless for several years so this leads some to believe that Citrus Greening in these western coastal states may be more widespread than previously thought. While Citrus Greening has already been confirmed in the Yucatan region of Mexico this latest discovery puts it within 1,000 miles of the California groves. California is already home to growing populations of the Asian Citrus Psyllid which becomes the insect vector for Citrus Greening by feeding on infected trees and then passing the bacteria on to non-infected trees. In turn destroying millions of dollars in citrus products.

This follows on the heels of a report out of Puerto Rico in November of the discovery of Citrus Greening in the municipality of Isabela. Subsequent surveys revealed the presence of the disease in the municipalities of Carolina, Ceiba, Culebra, and Sebastian. APHIS expanded the quarantine area to include the entire Commonwealth of Puerto Rico. Read the official NAPPO report [here](#).

Closing in on a Citrus Killer: HLB the Citrus Greening Disease

*Taken from the [October 2009 issue](#) of *Agricultural Research magazine**

In an effort to get a jump on Citrus Greening ARS scientists in California and Florida are conducting investigations that may yield new, affordable, ways to thwart the Citrus Greening disease. Richard F. Lee, Keremane L. Manjunath and colleagues have adapted a test intended to pinpoint *Candidatus L. asiaticus* in plants and are using it to find the disease in the Asian citrus psyllid. Research has demonstrated that assaying the psyllids may provide a way to detect HLB several years prior to disease symptoms beginning to show. While this is not a new test per se it is one of the newest to be based on "real time q PCR". This assay is relatively inexpensive and can be performed at any of the hundreds of labs across the country that already provide PCR testing services.

Click [here](#) if you would like to receive the newsletter via email or to submit articles for inclusion in the next newsletter.

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The NPDN is a network of state and federal officials, land grant universities, and first detectors whose mission is to detect, diagnose, and disseminate information regarding high consequence plant disease or pests. The five regions that make up the NPDN are: [NEPDN](#), [SPDN](#), [NCPDN](#), [GPDN](#), and [WPDN](#).



IPM news

- Northeastern IPM Center [here](#).
- Invasive Species of MA [here](#)
- Brooklyn Botanical Garden pest alerts and more [here](#).
- North Central IPM pest alerts [here](#).
- Western IPM Center pest alerts [here](#).
- Travelling? Check out the bed-bug registry [here](#).
- University of Idaho Pest Management Center [here](#).
- University of Arizona Pest Alerts [here](#).
- The Western Front magazine [here](#).
- University of CA statewide IPM [here](#).