



**TPM/IPM Weekly Report for Arborists,
Landscape Managers & Nursery Managers
University of Maryland Cooperative Extension
Central Maryland Research and Education Center**

September 29, 2006

Regular Contributors:

Pest and Beneficial Insect Information: Stanton Gill and Paula Shrewsbury

Disease Information: Ethel Dutky, David Clement, and Rich Anacker (MDA)

Weed of the Week: Chuck Schuster

Cultural Information: Ginny Rosenkranz

Fertility Management: Andrew Ristvey

We need you – please call in if you are finding insect, disease, weed cultural plant problems. Your input will help us keep this weekly report up on the leading edge. Send submissions to Sklick@umd.edu or Call Stanton Gill at 301-596-9413. Thanks! We look forward to hearing from you.

Rust Mites

Marty Adams, Bartlett Tree Experts, reported rust mites on white pine in Dayton last week. Rust mites do best in the cooler weather.

Control: Horticultural oil

Indian Wax Scale

Brian Dahl, Healthy Plant Solutions, found Indian wax scale, *Ceroplastes ceriferus*, on holly in the Germantown area this week. The white, waxy scale is large and very noticeable at this time of year. Female scales are bright white and if you pull one off the plant stem you will see a bright red underside. The crawlers showed up in 2006 in late June and were being detected for about 3 - 4 weeks. The stage that is present now is large, mature females.

Host: Holly, pyracantha, barberry, magnolia, and camellia

Control: Horticultural oil does not work well on this scale. Distance applied when crawlers are present works well. We conducted trials in 2001 and found soil injections of imidacloprid worked well on this pest



Thank you to the Maryland Arborist Association, the Landscape Contractors Association of MD, D.C. and VA, Professional Grounds Management Society, Maryland Nursery and Landscape Association and FALCAN for your financial support in making these weekly reports possible. Photographs by Suzanne Klick, Stanton Gill or Shannon Wadkins unless otherwise noted. 1

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Hemlock Woolly Adelgid

Hemlock woolly adelgids are starting to produce white wax at this time of year. The second generation of crawlers will be out in early October.

Christmas Ferns in the Landscape

Steve Horn submitted a sample of Christmas fern this week with heavy damage from two-spotted spider mites. The hot drought during the summer was perfect weather for mite injury on this plant. There were also nymphs of tree hoppers present on the plant, but they were not causing significant damage.

Control: Ferns are very sensitive to damage from most pesticides. Spider mites do not do well with moisture and if regular foliar applications of water are made to the fern foliage in July and August this can work to greatly suppress the damage.



Caterpillar Feeding on Magnolia Scale

John Speaker found a caterpillar feasting on magnolia scale this week. In 2003, we found this lepidopterous larvae feeding inside tuliptree scale. John Davidson identified this larva as *Laetilia coccidivora* in the family Pycitidae. This predacious lepidoptera was introduced to control scales. It is one of the few predacious caterpillars feeding on scale.



Larva of *Laetilia coccidivora*



Larva of *Laetilia coccidivora* feeding on scale

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Emerald Ash Borer Update

I (Stanton Gill) contacted Carol Holko, Maryland Department of Agriculture, regarding the emerald ash borer situation in Prince George's County. Here is a summary of her comments.

Disposal options of wood chips from ash trees include double chipping to less than 1" in two dimensions, tub grinding or selective harvesting to eliminate ash from "mixed" hardwood chips, so that product can be moved out of the county. MDA is working with the industry to find solutions to the wood disposal issue without allowing possible EAB movement.

Non-ash chips may move freely. The composition of the wood needs to be determined at the point of harvest. During the non-flight season, MDA is willing to consider a compliance agreement-based arrangement where trucks with ash chips could return to a secure lot outside of the county at night and come back the next day to finish filling, as long as the chips would be disposed of in the county or properly chipped or ground. The trucks would have to be securely sealed to prevent spillage. We can let MDA know if someone is interested in this option.

Plant of the Week: *Viburnum trilobum*

As the nights drop into shiver temperatures the foliage of some trees and shrubs begin to stand out in the landscape as brilliant beacons of bright lights. The American Cranberrybush *Viburnum (Viburnum trilobum)* has quite a few cultivars that qualify for both spectacular fall foliage and bright red berries. This native shrub grows 8 -12 feet tall and broad and is often used as an attractive deciduous hedge in full sun to partly shady landscapes. The plants will thrive as long as the soils can stay moist. The plants tend to decline in drought stress conditions. This is a northern plant that grows well in zone 2 to 7 so will thrive in the western counties of Maryland, but will not handle the heat in Southern Maryland or the Eastern Shore. The new trident shaped foliage often emerges with a reddish tint that turns to a dark green throughout the summer. The white flowers of the American Cranberrybush *Viburnum* resemble the lace cap hydrangea in appearance, bloom in May and expand up to 4 inches in diameter. Some of the cultivars that excel in the landscape include 'Wentworth' for its spectacular fall color of both foliage and fruit, 'Compactum' for its compact dwarf form and 'Red Wing' for the colorful red foliage and leaf petioles during the growing season and the heavy flowering in the springtime.

Degree Day Information (as of 9/28):

Baltimore, MD (BWI)	3659
Hagerstown, MD	3258
Mechanicsville, MD	3370
National Arboretum	3878
Salisbury	3210

Upcoming Extension Conferences:

Details are posted on our website at <http://www.agnr.umd.edu/ipmnet> as they become available.

October 19, 2006 Deer Management Program

November 16 and 17, 2006 – Green Roof Program

December 15, 2006 – Pest Management Conference

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