



**TPM/IPM Weekly Report for Arborists,
Landscape Managers & Nursery Managers
University of Maryland Cooperative Extension**

October 2, 2009

Coordinator of the electronic weekly IPM report:

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Pest and Beneficial Insect Information: Stanton Gill and Paula Shrewsbury (Extension Specialists) and Brian Clark (Extension Educator, Prince George's County)

Disease Information: Karen Rane (Plant Pathologist) and David Clement (Extension Specialist)

Weed of the Week: Chuck Schuster (Extension Educator, Montgomery County)

Cultural Information: Ginny Rosenkranz (Extension Educator, Wicomico/Worcester/Somerset Counties)

Fertility Management: Andrew Ristvey (Regional Specialist, Wye Research & Education Ctr)

Design, layout and editing: Suzanne Klick (Technician, CMREC)

Please call us if you are a commercial horticultural business finding insect, disease, weed or cultural plant problems in the landscape or nursery. Send submissions to Sklick@umd.edu or call Stanton Gill at 301-596-9413.

Wasps and Bees

The number of flowering plants is rapidly declining in October and bees and wasps are becoming increasingly desperate for nectar sources. As a result, any fruit that is dropping beneath your customers' fruit trees will attract the attention of bees and wasps. We have had a couple of landscape managers call in to report that honeybees are feeding on the tips of the fruit on fall blooming raspberry plants in their customers' landscapes. The best thing to advise them to do is rake up fallen fruit and put it in a part of the yard that is not frequented by children and adults.

Spiders

As we move into October expect to see various orb spiders building webs in the landscape to capture insects. Let your customers know that these spiders are beneficial and feed on a wide range of insects that damage plants in the landscape.



Early Fall

The cool nights are resulting in fall color showing up on many landscape trees in the early part of October. We are also seeing many trees that had major leaf spotting diseases this summer dropping a lot of foliage at this time of year. No reason for alarm since most trees will recoup next spring.

Thank you to the Maryland Arborist Association, the Landscape Contractors Association of MD, D.C. and VA, the 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.

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Banded Ash Clearwing Borer

We are still finding pupal cases of banded ash clearwings projecting from green ash trees in the Mt. Airy area (Central Maryland) this week. The adults have been emerging throughout September.

Control: If you are going to make a protective spray to the trunk and main branches this is the time of year to make the application. Onyx (bifenthrin) or Astro (permethrin) can be applied to the trunk and branches.

Oak Felt Scale - *Eriococcus quercus*

Steve Sullivan, The Brickman Group, brought in an oak sample from Anne Arundel County that was infested with oak felt scale, *Eriococcus quercus*. This scale is reported only on oaks. We have mainly received samples from landscape managers and arborists on the Eastern Shore. This is one of the few times when we have had it from an area on the western shore. The scale tends to accumulate at the crotches of branches.



The white, felt-like wax is very noticeable in October. It has been reported to reach high levels in Kentucky but I have rarely seen it reaching damaging levels here in Maryland.

Control: Horticultural oil could be applied to control this scale.

Salvia - An Hallucinogenic?

An article in [The Washington Post](#) mentioned that *Salvia divinorum* has attracted the attention of young people across the United States. *Salvia divinorum* is not the same as the salvia that greenhouse growers have been selling as a flowering bedding plant or herb. *S. divinorum* is creating a stir because the foliage contains salvinorin that can be dried and smoked to provide a short-lived hallucinogenic trip. The U.S. Drug Enforcement Administration has labeled salvia a drug of concern. You may find that young customers are suddenly interested in salvia this spring, even though the salvia that greenhouses are growing is the not the salvia that they are really interested in.

Ambrosia Beetles

David Thompson is reporting fresh frass tubes caused by ambrosia beetles coming out of *Cornus kousa* in landscapes in upper Baltimore and Harford counties. Marty Adams is finding frass tubes on yellowwood in Anne Arundel County. It is very unusual to see third generation damage.

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Weed of the Week, Chuck Schuster

Horsenettle, *Solanum carolinense*, is a perennial weed that will be found in the southeastern United States in nursery and landscape settings. It can grow to a height of three feet, though most often it is found growing to about twelve inches. The leaves are simple, elliptical in shape, occur on a petiole and will be alternate on the stem. Leaves will have short thorn-like projections on the midrib and petiole. When crushed, the leaves will emit an odor similar to a potato. Roots are a deep spreading rhizome. Stems are angled at the nodes, become woody with age and will have thorn-like projections and star-shaped hairs. The flowers will be found on a stalk, have five white to violet petals, and are star-shaped with a cone shaped yellow center. The flower stalk will also have thorn like projections. Horsenettle will have a fruit that is one half inch in diameter, starting out green and turning yellow, which dries to a wrinkled berry containing many small seeds. Similar to clammy groundcherry, yet clammy groundcherry does not have the thorny stems and leaves.



Control of horsenettle in turf can be achieved by mowing. Dense turf prevents horsenettle from thriving. In landscapes and nurseries, prevention is important. For plants that do become established the use of post emergent products containing glyphosate is useful as a spot spray. Selective post emergent products are less than successful in control of this weed and can be problematic in a nursery or landscape setting.



Degree Day Information (as of September 30):

Baltimore, MD (BWI)	3402
Dulles Airport	3624
Frostburg, MD	2153
Martinsburg, WV	3157
National Arboretum	4198
Reagan National	3834
Salisbury	3558

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UPCOMING PROGRAMS:

October 10, 2009
University of Maryland,
College of Agriculture and Natural Resources

OPEN HOUSE

Central Maryland Research and Education Center
4240 Folly Quarter Road, Ellicott City, MD 21042
<http://www.agnropenhouse.umd.edu/OpenHouseCMREC.cfm>

December 10, 2009

Chesapeake Green Energy Conference
Location: Brookside Gardens, Wheaton, MD
Contact: Suzanne Klick, 301-596-9413

December 18, 2009

Pest Management Recertification Conference
Location: Montgomery College, Germantown, MD
Contact: Suzanne Klick, 301-596-9413

January 4 – 8, 2010

Landscape IPM Short Course
Location: College Park, MD
Contact: Avis Koeiman, 301-405-3919

January 6 – 8, 2009

MANTS
Location: Baltimore Convention Center, Baltimore, MD
Contact: 800-431-0066

January 20 – 21, 2009

Maryland Arborist Association
Location: Turf Valley, Ellicott City, MD
Contact: MAA, 888-638-7337

January 24 – 30, 2010

Mid-Atlantic Horticulture Short Course
Location: Virginia Beach, VA
Contact: 757-523-4734

January 2009 (Date to be determined)

FALCAN Conference
Location: TBD – in the area of Frederick, MD
Contact: Dan Felice

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February 3 and 4, 2009

2010 Chesapeake Green Horticulture Symposium
Location: Maritime Institute, Linthicum, MD
Contact: MNLA, 410-823-8684

February 10, 2009

Eastern Shore Pest Recertification Conference
Location: The Fountains, Salisbury, MD
Contact: Ginny Rosenkranz, 410-749-6141

February 16 – 19, 2009

Cut Flower Short Course
Location: BARC Facility, Beltsville, MD
Contact: Suzanne Klick, 301-596-9413

February 25, 2009

LCA Winter Workshop
Location: National 4H Conference, Chevy Chase, MD
Contact: LCA, 301-948-0810

March 2009

Advanced IPM Training
Date and Location to be Determined

March 3, 2009

Southern Maryland Recertification Conference
Location: Holiday Inn, Waldorf, MD

March 4, 2009

Greenhouse Conference
Location: Chesapeake Community College, Easton, MD
Contact: Shannon Dill, 410-822-1244

April 8 and 15, 2009

Invasive Insect and Disease Program
Location: TBD
Contact: Suzanne Klick, 301-596-9413



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Chuck Schuster



Paula Shrewsbury



Ginny Rosenkranz



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