



Greenhouse TPM/IPM Weekly Report
University of Maryland Cooperative Extension
Central Maryland Research and Education Center

From: Stanton Gill and Ethel Dutky, University of Maryland Cooperative Extension
Ginny Rosenkranz, Extension Educator, Chuck Schuster, Extension Educator, Suzanne Klick
and Shannon Wadkins, Technicians, University of Maryland Cooperative Extension
Amanda Laudwein, Joanne Lutz, John Speaker, and Marie Rojas (Independent IPM Scouts)

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Grasshoppers

John Speaker is seeing a lot of activity from grasshoppers this week on the Eastern shore. Grasshoppers are general feeders and, if the rainfall is light and there are not many weeds for them to feed on, then they will migrate over to greenhouse crops.

Control: Synthetic pyrethroids work well for grasshoppers.

Photos by John Speaker



Dianthus

Melodie Putnam, Director of the Oregon State University Plant Clinic, read our May 11, 2007 report of enation on dianthus and referred us to the following journal article for more information: "The DNA form of a retroviroid-like element characterized in cultivated carnation species" in the Journal of General Virology (2001) 82:687-691.



Tulips

Our latest fact sheet Production of Tulips as Cut Flowers (FS 837) is now available. Please contact our office at 301-596-9413 for a copy.

Photo courtesy of Ko Klaver, Zabo Plant

Scouting Reports

Scouts are finding aphids on *Salvia farinacea* and two-spotted spider mites on catnip. Thrips were seen on 'Cosmic Yellow' cosmos, 'Yellow Madness' petunias, 'Janie Mix' marigolds, 'Wizard Mix' coleus, fuchsia hanging baskets, and portulaca hanging baskets.



Gloxinia

We had a greenhouse grower submit plugs to us for virus testing. They are seeing symptoms of Impatiens Necrotic Spot Virus on their gloxinia, and they were concerned that it could possibly be coming from their supplier. The plugs that we tested with Agdia ImmunoStrip test kits were negative for INSV. When we visited the grower's operation we found a large thrips population on their gloxinia crop. It is likely that it is the thrips that are transmitting the INSV. Agdia can be contacted at 800-622-4342 to obtain on-site testing kits. Growers can purchase the tests for around \$4 a piece (\$98 for 25 kits plus shipping). It is worthwhile for growers to confirm if they have disease problems and take immediate action. Destroy the plants and control thrips in the greenhouse.

