



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

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June 29, 2007

Summer Cut Flower Growers Program
July 24, 2007 in Salisbury, MD
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Fourlined plant bug, *Poecilocapsus lineatus*

Fourlined plant bugs are active in May and early June, and should be finishing up for the season now.

However, this is the time of year when the old damage begins to become noticeable. Fourlined plant bugs are sucking insects that inject a toxin along with their saliva as they feed. The toxin causes a characteristic necrotic spotting on the upper foliage of the plant. Examine the foliage of rudbeckia, mint, phlox, monarda, and coleus for feeding injury.

Control: Next year you could use Mavrik (fluvalinate), Astro (permethrin), or Orthene (acephate). This pest is also easily controlled by insecticidal soap or neem products.



Cosmopepla

We're receiving reports that *Cosmopepla bimaculata* is active now. This stink bug is found throughout the United States on a wide range of host plants. We had them on snapdragons in our cut flower plots last year. Do not confuse it with the harlequin bug, another orange and black hemipteran that will also feed on snapdragons.

Control: Talstar (bifenthrin), Orthene (acephate)



***Cosmopepla bimaculata* on Snapdragon**

Tortricids

John Speaker reported seeing tortricid caterpillars on mums and asters on the Eastern shore this week. Tortricid caterpillars roll the sides of the leaf together into a tight cylinder and feed inside the shelter of the leaf.

Control: Dipel (*Bacillus thuringiensis*) on early instar larvae, Azatin (azadirachtin), Conserve (spinosad) on adults



Leafroller on Fern



Tortricid Caterpillar on Anemone

Prince George's County – New Extension Educator

The University of Maryland Cooperative Extension has hired a new faculty member, Brian Clark, to work as an Extension Educator in the Prince George's County office. If you are a green industry professional in Prince George's County, feel free to contact Brian to help solve your plant problems. His email is bpclark@umd.edu and his telephone number is 301-868-8780.