Brown Marmorated Stink Bug ID and the Use of Blacklight Traps

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Common Native Stink Bugs

Brown Stink Bug, *Euschistus servus*  
Spined Soldier Bug, *Podisus maculiventris*
Rough Stink Bug
*Brochymena quadripustulata*
Brown Marmorated Stink Bug, *Halyomorpha halys*
MALE

FEMALE

7-10 mm in width

12-17 mm in length
BMSB Adult Females and Males
Second Instar

Third Instar

~3.7 mm

~5.5 mm

Photo by D. Matadha
Fourth Instar

~8.5 mm

Fifth Instar

~12.0 mm

Photo by D. Matadha
Use of Blacklight Traps to Monitor BMSB Adults
Seasonal Flight Activity

Based on blacklight catches at Lichtenwalner Farms, Allentown, PA

Nielsen and Hamilton 2009
Blacklight monitoring

Locate NJ blacklight traps

Link with weekly trap counts

Example: ECB counts 1999

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Distribution of Adult European Corn Borer for the Week Ending July 27, 2011

Locations and processed by: Kira Holmstrom, Marilyn Hughes Cooperative Extension Center for Remote Sensing

Holmstrom et al. 2001
Tracking the Weekly Spread of BMSB

July 20, 2011

July 27, 2011

August 3, 2011

Nielsen et al. 2013
Tracking the Spread of BMSB

Nielsen et al. 2013
What Trap To Use?
Advantages & Disadvantages

• Advantages
  – Catch both sexes
  – Season long attraction
  – Can detect 1st incidence on a farm

• Disadvantages
  – Cost of traps
  – Labor expense
  – No correlation with crop damage
  – Lack of nymphal data