Status of On-Going Projects in NJ

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US Distribution – 2011*

*Includes known detections and established populations
Average Number of BMSB Per Night

June 1, 2001

June 8, 2001

June 15, 2001

0 - 5
5 - 10
10 - 25
>25
Lab Insecticide Trials

- Done using a potter spray tower
- Individuals placed on clean filter paper/Petri dish after treat
- Followed for 5 days
Aza-Direct 1 pt/A

Days Post Exposure

Percent Mortality

- Live
- Moribund
- Dead
Mpede 0.5% v/v

Days Post Exposure

Percent Mortality

Live  Moribund  Dead
Lab Insecticide Trials

- Aerosol and Dust Tests
- Individuals placed on treated filter paper
- Followed for 5 days

Courtesy of Dean Polk, 2011
Dinotefuran 0.25%, 95% Diatomaceous Earth

Days Post Exposure

Percent Mortality

- Live
- Moribund
- Dead
Field Studies

• IR-4 Efficacy Trial
  – Peaches
  – Apples

• IR-4 Bio Pesticide Trial
  – Peaches

• Monitoring methods development
  – Apples
  – Peaches
  – Peppers
Trap Counts – Cream Ridge

Number Per Week

Date

5/16  5/23  5/30  6/6  6/13

5/16  5/30  6/6  6/13

Blacklight  Pheromone
Visual and Beat Sheet Counts - Peaches

Date

Number Per Tree

5/23
5/30
6/6
6/13

0
0.1
0.2
0.3
0.4
0.5
0.6

Visual
Beat Sheet
They're Back

The Brown Marmorated Stink Bug is a significant nuisance for homeowners and can be devastating for farmers. Since it's accidental introduction to the US from Asia in 1996, Rutgers NJAES Pest Management Teams have been tracking, studying, and formulating management plans to combat this pest. Beginning in late May and early June you may find BMSB emerging to feed on a wide range of fruits, vegetables, and other plants. You may find them on your house siding or inside your home. Learn about this important pest and the current recommendations on what you can do to combat it.

IPM Update: BMSB Activity Week Ending June 15, 2011

-Kristian Holmstrom, Vegetable IPM Program
Brown Marmorated Stink Bug
Rapid Response Multi-State Project

• Requested by NE Experiment Station Directors
• Proposal has been submitted for review
• Approval at next Directors meeting in July
• Request for participation
• Chance for funds from state experiment stations
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IR-4