

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

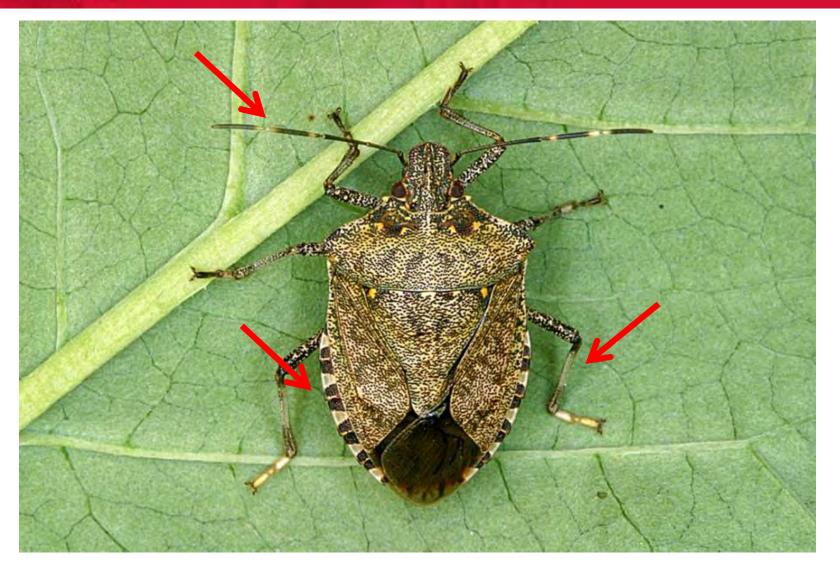


Rough Stink Bug Brochymena quadripustulata



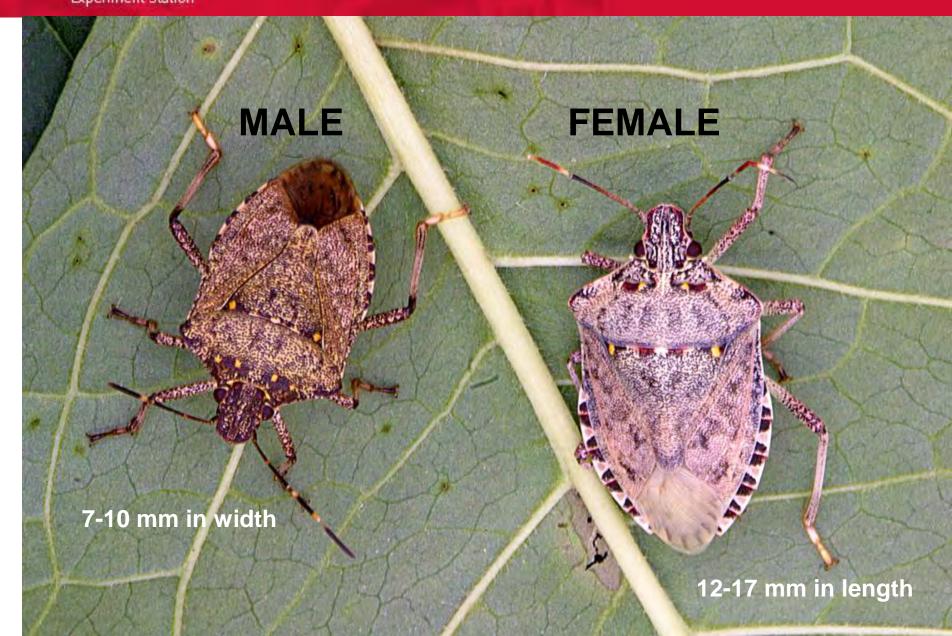






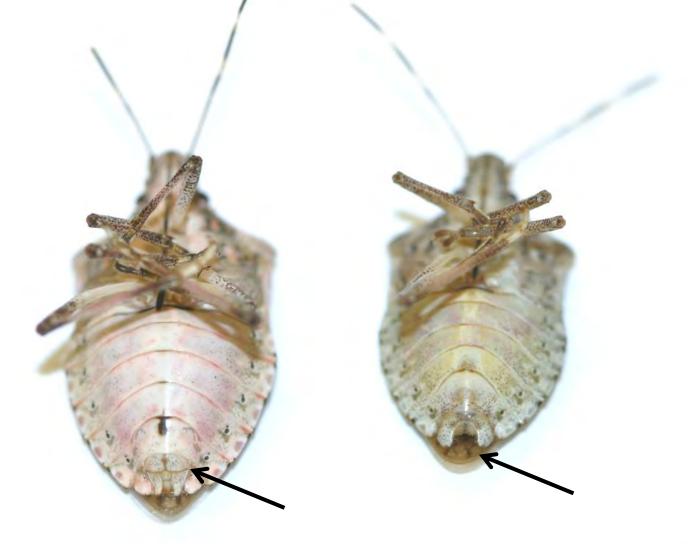
Brown Marmorated Stink Bug, Halyomorpha halys

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BMSB Adult Females and Males

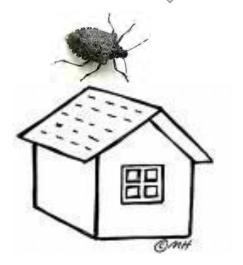


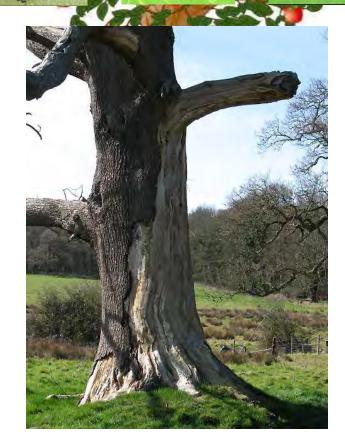


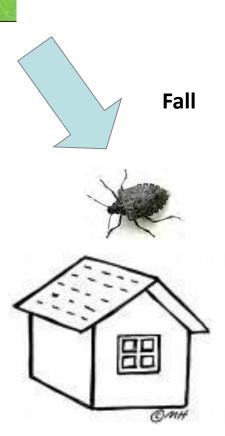
Summer











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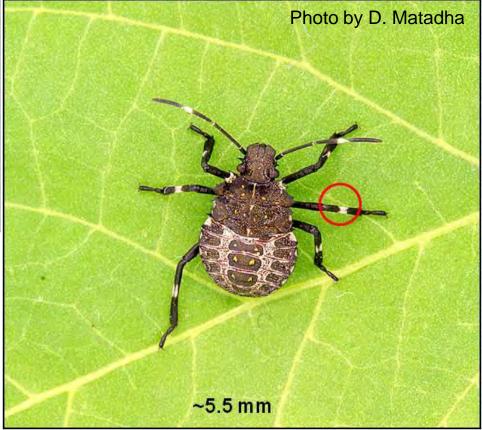






Second Instar

Third Instar

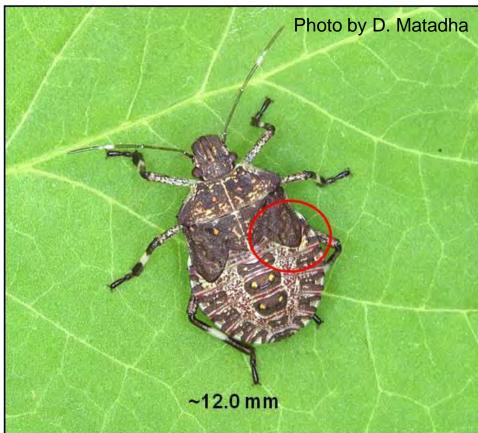






Fourth Instar

Fifth Instar



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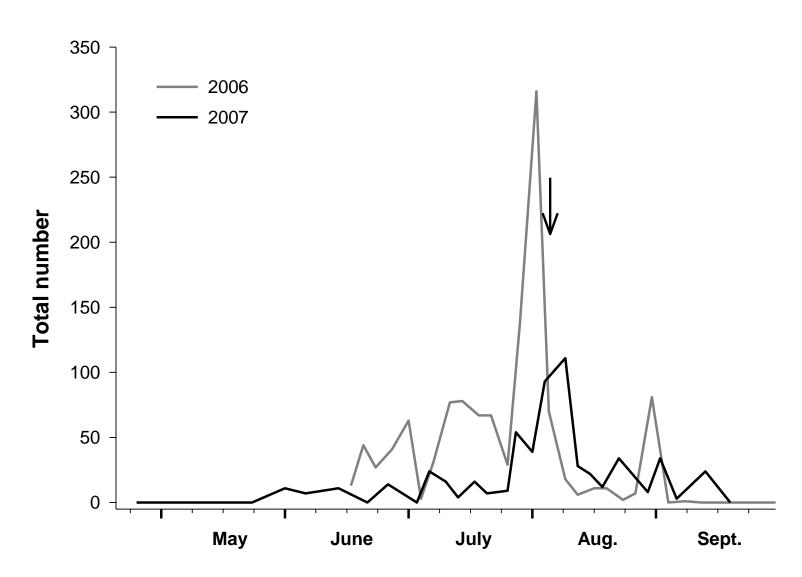
New Jersey Agricultural
Experiment Station

Use of Blacklight Traps to Monitor BMSB Adults





Seasonal Flight Activity





Blacklight monitoring



Locate NJ blacklight traps

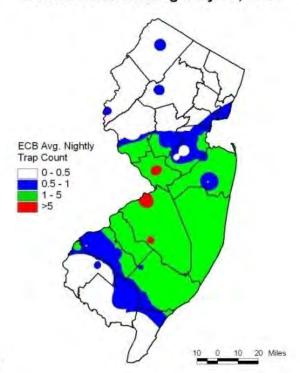


Link with weekly trap counts

Example: ECB counts 1999

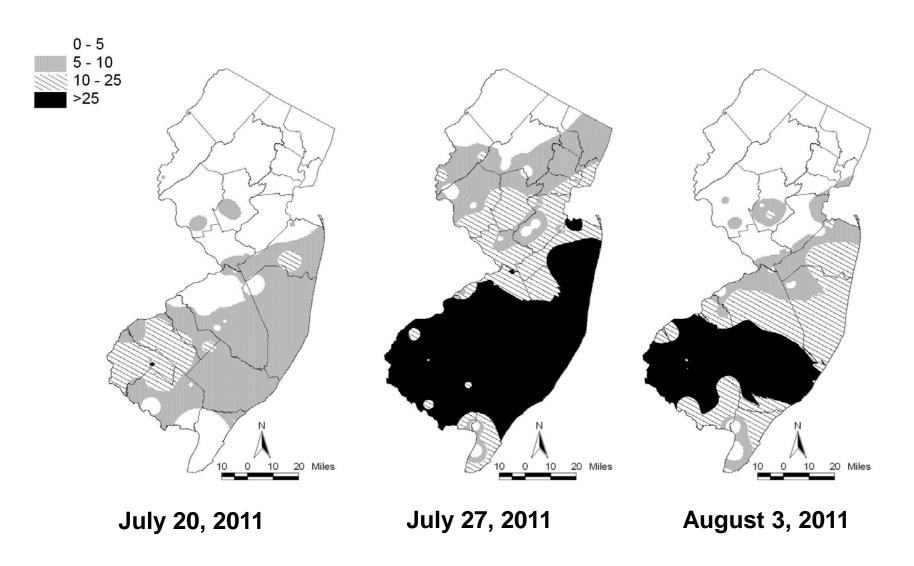
TRAP ID	TRAP	J145	J146	J147	J148	J149	J150	J151	Avgwk3
1	Newton	0	0	- 0	0	0	- 4		.D.17
- 3	Morristown	- 0	- 0	- 0	- 0	- 0		- 1	D.29
5	Chester	0	0	0	0	0	0		0.00
6	Long Valle	.0	.0	.0	.0	.0	.0	1	D.14
7	Denville	0	0	0	3	3	3	3	1.71
10	Flanders	0	0	0	0	1.	1	1	0.43
127	Quakertow	0	0	1	1	1	2		0.83
131	SynderFar	. 0	0	1	1	1	2		0.83
	Jutland	0	- 0	0	0	0	- 0	- 4	0.14
19	Milford	- 0	- 1	1	1	- 1		2	1.00
700	Oldwick	n	n	n	n	n	4	- 4	0.20

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



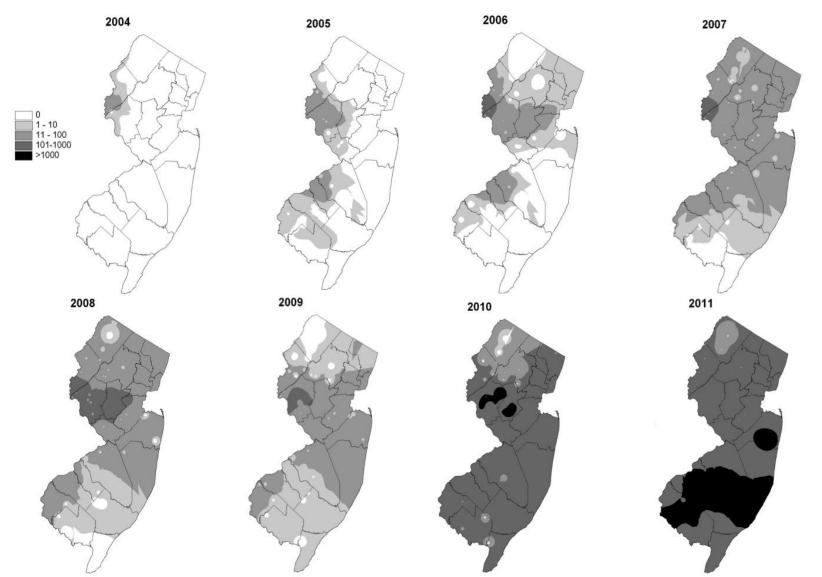
llected and processed by Kris Holmstrom. Marilyn Hughes. Cooperative Extension & Center for Remote Sensing

New Jersey Agricultural Tracking the Weekly Spread of BMSB Experiment Station





Tracking the Spread of BMSB





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



