

**Brown Marmorated Stink Bug Management in Bell Peppers, 2013:** ‘Paladin’ bell peppers were transplanted on May 23 at the University of Delaware’s Research farm located in Newark, DE. One row plots, 20 ft long on 6 foot center were replicated 4 times in a RCB design. All foliar treatments were applied with a CO<sub>2</sub> pressurized backpack sprayer with a single-row boom, equipped with 3 hollow cone nozzles per row (one over the top and one drop nozzle on each side) delivering 55 gpa at 40psi on July 8, 15, 29 and Aug 5. Plots were sampled twice a week from May 29 through Aug 1 by counting the number of adults and nymphs on 10 plants per plot. All commercial size peppers were harvested on July 22 and Aug 13 and evaluated for the percent damage fruit. Data were analyzed using Proc GLM for the BMSB counts and the first harvest date (July 22). Means were separated by Tukey’s mean separation test (P=0.05). Data from the second harvest was extremely variable due to severe flooding in the plot resulting in the inability to use the data.

BMSB pressure was low throughout the season. No phytotoxicity was observed.

Treatment	Rate/Acre	Number BMSB /10 plants		
		3 DAT #1 July 11	4 DAT # 2 July 19	3 DAT # 3 Aug 1
Sniper 2 EC	6.4 oz	0.25a	0.00a	0.00a
Warrior II	1.92 oz	0.00a	0.00a	0.00a
Lannate LV	1.5 pt	0.00a	0.00a	0.00a
Lannate LV	2.25 pt	0.00a	0.00a	0.00a
Belay 2.13SC + NIS	4 oz + 0.25% V/V	0.00a	0.00a	0.50a
Belay 2.13SC + NIS	6 oz + 0.25% V/V	0.25a	0.00a	0.00a
Belay 2.13SC + Sniper 2 EC + NIS	4 oz + 4.3 oz + 0.25% V/V	0.00a	0.00a	0.00a
Danitol 2.4 EC + NIS	21 oz + 0.25% V/V	0.00a	0.00a	0.00a
Endigo ZC	4.5 oz	3.50a	0.00a	0.00a
Actara 25WDG	5.5 oz	0.00a	0.00a	0.00a
Acephate 97	1 lb	0.00a	0.00a	0.00a
Untreated	---	0.00a	0.00a	0.00a

<sup>1</sup> Means within a column followed by the same letter are not significantly different (Tukey’s, P=0.05).

Treatment	Rate/Acre	Percent Damaged Fruit July 22	Number Puncture Wounds per Fruit July 22
Sniper 2 EC	6.4 oz	2.51a	0.25a
Warrior II	1.92 oz	3.30a	0.17a
Lannate LV	1.5 pt	1.24a	0.02a
Lannate LV	2.25 pt	0.63a	0.01a
Belay 2.13SC + NIS	4 oz + 0.25% V/V	0.40a	0.01a
Belay 2.13SC + NIS	6 oz + 0.25% V/V	0.00a	0.00a
Belay 2.13SC + Sniper 2 EC + NIS	4 oz + 4.3 oz + 0.25% V/V	0.48a	0.03a
Danitol 2.4 EC + NIS	21 oz + 0.25% V/V	0.00a	0.00a
Endigo ZC	4.5 oz	1.18a	0.04a
Actara 25WDG	5.5 oz	0.00a	0.00a
Acephate 97	1 lb	0.76a	0.03a
Untreated	---	2.98a	0.11a

<sup>1</sup> Means within a column followed by the same letter are not significantly different (Tukey's, P=0.05).