

Management of Brown Marmorated Stink Bugs in Lima Bean, 2012 – ‘C-Elite’ lima beans were planted on June 11th at the University of Delaware’s Research farm located in Newark, DE. Plots consisted of four 20 ft long plots planted on 30-inch centers replicated four times in a RCB design. Foliar applications were applied on Aug 22 and Sept 6 with a CO₂ pressurized backpack boom sprayer delivering 18 gpa @ 40 psi. Brown marmorated stink bug (BMSB) population levels were evaluated on a weekly basis from July 11 to September 21 by taking 10 sweeps with a 15-inch diameter sweep net per plot and counting all stages of BMSB. All the beans from 6 ft of row were harvested on Sept 26 and pods and seeds were evaluated for stink bug damage. Data were analyzed using Proc GLM and means were separated by Tukey’s mean separation test (P=0.05).

Treatment	Rate/A	Mean Number BMSB Adults and Nymphs per 10 sweeps ¹				
		Aug 16	Aug 22	Aug 29	Sept 5	Sept 11
Baythroid XL	2.8 oz	1.25a	1.50a	0.00a	0.67b	0
Leverage 360	2.8 oz	0.50a	2.25a	0.00a	0.33b	0
Lannate LV	1.0 pt	0.25a	1.50a	1.75a	1.00ab	0
Lannate LV	1.5 pt	0.00a	0.75a	0.25a	0.67b	0
Endigo ZC	4.5 oz	0.75a	3.50a	0.25a	0.67b	0
Sniper	4 oz	0.50a	1.50a	0.25a	0.67b	0
Warrior II	1.92 oz	0.50a	0.50a	0.00a	1.00ab	0
Perm-Up	8 oz	0.75a	2.25a	0.00a	1.33ab	0
Untreated	---	0.00a	0.75a	1.75a	3.00a	0

¹ Means within a column followed by the same letter are not significantly different (Tukey’s; P=0.05).

Treatment	Rate/Acre	Percent Damaged Pods ¹	Percent Damaged Beans ¹
Baythroid XL	2.8 oz	0.00a	0.29a
Leverage 360	2.8 oz	0.00a	0.03a
Lannate LV	1.0 pt	0.10a	1.67a
Lannate LV	1.5 pt	0.00a	0.79a
Endigo ZC	4.5 oz	0.19a	0.19a
Sniper	4 oz	0.09a	0.20a
Warrior II	1.92 oz	0.00a	0.09a
Perm-Up	8 oz	0.15a	0.50a
Untreated	---	0.00a	1.46a

¹ Means within a column followed by the same letter are not significantly different (Tukey's; P=0.05).