



**2007 Bean Leaf Beetle Insecticide Efficacy Trial, Scandia, Republic Co., Kansas**  
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Pest: Bean leaf beetle, *Certoma trifurcata*  
Crop: Soybean, *Glycine max*, 9 treatments  
Location: KSU Irrigation field, Scandia, Republic Co., Kansas  
Planting Date: May 29, 2007  
Plot Size: 4 rows, 30 ft  
Experimental Design: Randomized Complete Block; 4 Replications  
Date of Application: Sprayed with hand sprayer delivering 20 gal/acre at 30 psi on August 15, 2007  
Evaluation: 1 row ft. at 3 different locations in each treatment, Plants vigorously shaken over bare ground and all bean leaf beetles counted. Evaluated on August 18 (3DAT), August 22 (7DAT), August 29 (14DAT), September 05 (21 DAT); DAT, days after treatment.  
Special Notes: Weather at time of treatment: ca 102°F plus 45% R.H. with wind less than 5 mph; Beans were ca in the R6 stage of development  
Phytotoxicity: None noted

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No.	Treatment/Product	Bean Leaf Beetle/row ft. (Mean ± SE)			
		August 18 (3 DAT)	August 22 (7 DAT)	August 29 (14 DAT)	September 05 (21 DAT)
1	Untreated	10.0 ± 0.9 a	13.0 ± 2.4 a	13.8 ± 2.1 a	7.0 ± 1.5 a
2	Baythroid XL @ 2.0 fl. oz./acre + Lorsban 480EC @ 8.0 oz./acre	0.8 ± 0.3 cd	0.3 ± 0.3 b	1.8 ± 0.5 d	0.5 ± 0.3 b
3	Baythroid XL @ 2.0 fl. oz./acre	1.3 ± 0.5 bcd	0.8 ± 0.3 b	2.5 ± 0.5 cd	0.5 ± 0.3 b
4	Mustang Max @ 2.8 fl. oz./acre	1.0 ± 0.4 bcd	2.3 ± 0.9 b	3.8 ± 0.5 bcd	0.5 ± 0.3 b
5	Warrior 1CS @ 1.92 fl. oz./acre	1.5 ± 0.3 bcd	1.8 ± 0.6 b	1.5 ± 0.7 d	1.3 ± 0.8 b
6	Warrior 1CS @ 3.84 fl. oz./acre	0.5 ± 0.3 d	0.3 ± 0.3 b	1.3 ± 0.5 d	0.3 ± 0.3 b
7	GF 1846 @ 13 fl. oz./acre	2.0 ± 0.7 bc	1.3 ± 0.9 b	5.5 ± 1.0 b	1.3 ± 0.5 b
8	GF 1846 @ 13 fl. oz./acre	0.8 ± 0.3 cd	0.5 ± 0.5 b	2.5 ± 0.7 cd	1.3 ± 0.6 b
9	Lorsban 4E @ 1.0 pt./acre	2.3 ± 0.3 b	2.0 ± 0.8 b	4.5 ± 0.3 bc	2.3 ± 0.9 b

Means within a column followed by the same letter are not significantly different ( $P > 0.05$ ; PROC GLM; Mean comparison by LSD [SAS Institute 2003]).

Reference to specific products is provided solely for informational purposes. Experiments with pesticides on non-labeled crops or pests is part of the insecticide registration process, it does not imply endorsement or recommendation of non-labeled uses of pesticides by Kansas State University. All pesticide use must be consistent with current labels.

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