



**2007 Sunflower Head Moth Insecticide Efficacy Trial, Dickinson Co., Kansas**  
**Jeff Whitworth and Aqeel Ahmad, Department of Entomology, Kansas State University**

Pest: Sunflower head moth, *Homoeosoma ellectellum*  
 Crop: Sunflower, *Helianthus annuus*, 11 treatments  
 Location: Dickinson Co., Kansas  
 Planting Date: May 02, 2007  
 Plot Size: 2 rows, 20 ft  
 Experimental Design: Randomized Complete Block; 4 Replications  
 Date of Application: Sprayed with hand sprayer delivering 20 gal/acre at 30 psi on July 21, 2007 (Trt 2-11) and July 28, 2007 (Trt 4 and 7).  
 Evaluation: Dissected 2 heads/plot and counted all larvae on August 11, 2007  
 Special Notes: ca. 70% bloom on July 21 and 100% bloom on July 28  
 Phytotoxicity: None noted

No.	Treatment	Trt. Date	Sunflower headmoth/head (Mean ± SE)
1	Untreated	-----	15.6 ± 2.2 a
2	Baythroid XL @ 2.0 oz./acre	July 21	7.0 ± 0.5 bc
3	Baythroid XL @ 2.8 oz./acre	July 21	4.4 ± 0.6 d
4	Baythroid XL @ 2.0 oz./acre	July 21/July 28	0.3 ± 0.3 f
5	Mustang Max @ 4.0 oz./acre	July 21	1.3 ± 0.5 f
6	Mustang Max @ 2.56 oz./acre	July 21	1.9 ± 0.4 ef
7	Mustang Max @ 2.56 oz./acre	July 21/July 28	0.4 ± 0.3 f
8	Asana @ 7.75 oz./acre	July 21	5.8 ± 1.0 bcd
9	Warrior @ 3.2 oz./acre	July 21	4.3 ± 0.7 de
10	Lorsban @ 1.0 pt./acre	July 21	8.1 ± 0.6 b
11	Cobalt @ 19.0 oz./acre	July 21	5.4 ± 0.7 cd

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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