



2008 Sunflower Head Moth Insecticide Efficacy Trial –
Dickinson Co., KS.

Jeff Whitworth, Holly Davis, Department of Entomology,
Kansas State University

Pest: Sunflower Head Moth, *Homoeosoma electellum*

Crop: Sunflower; 9 treatments

Location: Hope, Dickinson Co., KS

Planting Date: 6 June 2008

Plot Size: 2 rows x 30 ft.

Experimental Design: Randomized Complete Block; 4 Replications

Information: Treatments applied with hand sprayer delivering 20 gal/acre at ca.30 psi on 15 Aug 2008 and 22 Aug 2008; 70% bloom on 15 Aug and 90% bloom on 22 Aug.

Phytotoxicity: None noted

Evaluation: Dissected 2 heads / treatment and counted larvae on 30 Aug 2008

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Treatment Dates: 15 August 2008, 22 August 2008

Evaluation Date: 30 August 2008

No.	Treatment/Product Name and Rate	Date	Average Sunflower Head Moth Per 2 Heads
1	Untreated		8.8 ± 1.31 a
2	Mustang Max @ 4.0 fl. oz./acre	15 Aug	1.5 ± 0.50 d
3	Mustang Max @ 2.56 fl. oz./acre	15 & 22 Aug	0.8 ± 0.48 d
4	Asana @ 7.75 fl. oz./acre	15 Aug	4.3 ± 0.75 b c
5	Warrior @ 3.2 fl. oz./acre	15 Aug	2.5 ± 0.98 c d
6	Lorsban @ 1.0 pint/acre	15 Aug	6.3 ± 0.48 b
7	Cobalt @ 19 fl. oz./acre	15 Aug	4.0 ± 0.41 c
8	Baythroid XL @ 2.8 fl. oz./acre	15 Aug	1.8 ± 0.85 d
9	Baythroid XL @ 2.0 fl. oz./acre	15 & 22 Aug	1.5 ± 0.65 d

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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