



2009 Sunflower Head Moth Foliar Treatment Efficacy Trial –  
Saline Co., KS

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

Pest: Sunflower Head Moth, *Homoeosoma electellum*

Crop: Sunflower; 9 treatments

Location: Saline Co., KS

Planting Date: 4 June, 2009

Plot Size: 2 rows x 20 ft.

Experimental Design: Randomized Complete Block; 4 Replications

Information: Sprayed by hand sprayer with ca. 20 gal. H<sub>2</sub>O/a. at 30 psi. on 6 August and 13 August, 2009.

Phytotoxicity: None noted.

Evaluation: Dissected 2 heads/ treatment and counted all larvae on 21 August, 2009

# 2009 Sunflower Head Moth Foliar Treatment Efficacy Trial – Saline Co., KS

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

**Evaluation Dates: 21 August, 2009**

No.	Treatment/Product Name	Rate	Total SHM larvae (2 heads) (mean ± SE)
1	Untreated	–	7.5 ± 3.6a
2	Baythroid XL	2.8 oz. / a	0.8 ± 0.5b
3	Baythroid XL + Baythroid	2.0 + 2.0 oz. / a	0.0 ± 0.0b
4	Belt 480 SC + Adj.	2.0 oz. / a	1.0 ± 0.6b
5	Belt 480 SC + Adj.	4.0 oz. / a	0.5 ± 0.5b
6	Mustang Max	4.0 oz. / a	1.5 ± 0.7b
7	Mustang Max	2.56 oz. / a	0.0 ± 0.0b
8	Hero 1.24 EC	5.0 oz. / a	1.3 ± 0.5b
9	Brigadier	5.0 oz. / a	1.5 ± 0.9b
10	Cobalt	25.0 oz. / a	0.5 ± 0.3b

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.

## **Kansas State University Agricultural Experiment Station and Cooperative Extension Service**

K-State Research and Extension is an equal opportunity provider and employer. Issued in furtherance of Cooperative Extension Work, Acts of May 8 and June 30, 1914, as amended. Kansas State University, County Extension Councils, Extension Districts, and United States Department of Agriculture Cooperating. Fred A. Cholick, Director.