



2010 Corn Earworm Insecticide Efficacy Trial –
Dickinson Co., KS.

Jeff Whitworth, Holly Davis, Department of Entomology,
Kansas State University
“Trial 1”

Pest: Corn Earworm (Sorghum Headworm), *Helicoverpa zea*

Crop: Sorghum; 6 treatments

Location: Dickinson Co., KS

Growth Stage: Pollinating

Plot Size: 4 Rows X 20 ft.

Experimental Design: Randomized Complete Block; 4 Replications

Information: Sprayed with hand sprayer delivering 20 gal/acre at ca.30 psi on 16 August 2010.

Phytotoxicity: None noted

Evaluation: 10 heads sampled per plot on 19 August (3 DAT), and 23 Aug (7 DAT)
DAT = Days After Treatment

Special Notes: Pre-treatment counts conducted on 16 August, 2010 using 1 gal. white bucket and shaking heads into bucket. Four locations with 10 heads at each location. Average of 0.48 small larva per head (47.5% infested).

2010 Corn Earworm Insecticide Efficacy Trial – Dickinson Co., KS.
 Jeff Whitworth, Holly Davis, Department of Entomology
 Kansas State University

Treatment Date: 16 August, 2010

No.	Treatment/Product Name	CEW/10 heads	
		(Mean ± SE)	(Mean ± SE)
		19 August (3 DAT)	23 August (7 DAT)
1	Untreated	7.3 ± 0.5a	8.8 ± 1.1a
2	Belt SC @ 2 oz/acre	0.3 ± 0.3cd	0.0 ± 0.0b
3	Belt SC @ 3 oz/acre	0.0 ± 0.0d	0.0 ± 0.0b
4	Baythroid XL @ 2.8 oz/acre	1.0 ± 0.4bcd	0.0 ± 0.0b
5	Cobalt @ 13 oz/acre	1.3 ± 0.5bc	0.0 ± 0.0b
6	Mustang Max EC @ 1.76 oz/acre	2.0 ± 0.4b	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. Gary M. Pierzynski, Director.