



2009 Sorghum Foliar Treatment Efficacy Trial –
Dickinson Co., KS

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

Pest: Corn Earworm, *Helicoverpa zea*

Crop: Sorghum; 8 treatments

Location: Hope, Dickinson Co., KS

Plot Size: 2 rows x 20 ft.

Experimental Design: Randomized Complete Block; 4 Replications

Plant Growth Stage: Between stage 6 (half bloom) and 7 (soft dough)

Information: Sprayed by hand sprayer with ca. 20 gal H₂O/a. at 30 psi. on 31 Aug., 2009. Sorghum plants between stage 6 (half bloom) and 7 (soft dough).
Pretreatment counts – 1 small corn earworm/ 3 heads

Phytotoxicity: None noted

Evaluation: Samples taken randomly selecting 10 heads/ plot and vigorously shaking heads into a 1 gallon white container and counting all dislodged larvae on 10 heads. Evaluated on 06 Sept., 2009.

2009 Sorghum Foliar Treatment Efficacy Trial – Dickinson Co., KS

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

Evaluation Date: 06 September, 2009

No.	Treatment/Product Name	Rate	CEW larvae / 10 heads (mean ± SE)
1	Baythroid XL	2 oz. / a	0.3 ± 0.3c
2	Belt 480 SC (+Adj.)	2 oz. / a	2.5 ± 1.5ab
3	Belt 480 SC (+Adj.)	4 oz. / a	0.0 ± 0.0c
4	Cobalt	20 oz. / a	1.0 ± 0.4bc
5	Cobalt	30 oz. / a	0.5 ± 0.5bc
6	Lorsban 4E	16 oz. / a	0.8 ± 0.3bc
7	Lorsban Advanced	10 oz. / a	1.0 ± 0.6bc
8	Mustang Max EC	3 oz./ a	1.8 ± 0.5abc
9	Untreated	–	3.8 ± 1.5a

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.