



2014 Sorghum Headworm (Corn Earworm)
Insecticide Efficacy Trial –
Dickinson Co., KS.

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

Pest:	Sorghum Headworm (corn earworm), <i>Helicoverpa zea</i>
Crop:	Sorghum; 4 treatments
Location:	Dickinson Co., KS
Growth Stage:	Between flowering and milk stage
Plot Size:	4 rows x 20 ft.
Experimental Design:	Randomized Complete Block; 4 Replications
Information:	Sprayed with hand sprayer delivering 15 gal/acre at ca.30 psi on 24 August 2014. 88°F with wind SSW 10mph
Phytotoxicity:	None noted
Evaluation:	Pre-treatment counts conducted on 24 August 2014 using 1 gal. white bucket and shaking heads into bucket. 3.6 CEW/10 heads = 36% infested. Ten heads sampled per plot on 31 August (7 DAT) and 5 September (12 DAT).

**2014 Sorghum Headworm (CEW) Insecticide Efficacy Trial –
Dickinson Co., KS.**

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

Treatment Date: 24 August, 2014

No.	Treatment/Product Name	CEW/10 heads (Mean ± SE)	
		31 August (7 DAT)	5 September (12 DAT)
1	Untreated	4.0 ± 0.7a	2.0 ± 0.7a
2	Belt SC @ 2.0 oz/a	0.0 ± 0.0b	0.0 ± 0.0b
3	Belt SC @ 3.0 oz/a	0.0 ± 0.0b	0.0 ± 0.0b
4	Prevathon @ 14 oz/a	0.0 ± 0.0b	0.0 ± 0.0b

Means within a column followed by the same letter are not significantly different ($P>0.05$; PROC ANOVA; 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, John Floros, Director.