



2012 Sorghum Headworm (Corn Earworm)
Insecticide Efficacy Trial –
Dickinson Co., KS.

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- Pest: Corn earworm, *Helicoverpa zea* (very small, predominately 1st instar – recently hatched)
- Crop: Sorghum; 16 treatments
- Location: Dickinson Co., KS
- Growth Stage: Flowering at time of application
- Plot Size: 2 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 18 August 2012.
- Phytotoxicity: None noted
- Evaluation: Pre-treatment counts conducted on 18 August, 2012 using 1 gal. white bucket and shaking heads into bucket. Ten locations with 10 heads at each location. Average 1 larva per head. Ten heads sampled per plot on 27 August (9 DAT) and 2 September (15 DAT)
DAT = Days After Treatment

2012 Sorghum Headworm (CEW) Insecticide Efficacy Trial – Dickinson Co., KS.

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Treatment Date: 18 August, 2012

Treatment/Product Name	CEW/10 heads (Mean ± SE)	
	27 August (9 DAT)	2 September (15 DAT)
Stallion @ 8 oz/acre	0.5 ± 0.3d	0.5 ± 0.5abc
Stallion @ 11.75 oz/acre	0.0 ± 0.0d	0.0 ± 0.0c
Mustang Max @ 4.0 oz/acre	2.3 ± 0.6bc	0.8 ± 0.5ab
Lorsban @ 1 pt/acre	0.5 ± 0.5d	0.0 ± 0.0c
Cobalt @19 oz/acre	0.0 ± 0.0d	0.0 ± 0.0c
Belt SC + NIS @ 2.0 oz/acre + 25%	0.3 ± 0.3d	0.0 ± 0.0c
Belt SC + NIS @ 3.0 oz/acre + 25%	0.0 ± 0.0d	0.0 ± 0.0c
Prevathon @ 8.0 oz/acre	1.3 ± 0.5cd	0.0 ± 0.0c
Prevathon @ 10.0 oz/acre	0.8 ± 0.5cd	0.3 ± 0.3bc
Prevathon @ 14.0 oz/acre	0.0 ± 0.0d	0.0 ± 0.0c
Prevathon @ 20.0 oz/acre	0.8 ± 0.5cd	0.0 ± 0.0c
Prevathon + ASANA XL @ 10.0 oz/acre + 5.8 oz/acre	0.0 ± 0.0d	0.3 ± 0.3bc
Belt @ 3.0 oz/acre	0.3 ± 0.3d	0.0 ± 0.0c
Intrepid @ 6.0 oz/acre	0.5 ± 0.5d	0.8 ± 0.3ab
Untreated	3.8 ± 1.4ab	0.8 ± 0.5ab
Untreated	4.3 ± 0.9a	1.0 ± 0.0a

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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