



2014 - Dickinson Co., KS.

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

Pest: Corn Earworms (CEW), *Helicoverpa zea*

Crop: Corn, *Zea Mays*.

Plot Size: 2 rows x 45 ft.

Experimental Design: Randomized Complete Block; 4 Replications

Information: Sprayed with hand sprayer delivering 15 gal/acre at ca.30 psi on 6 July, 104°F with no wind. Corn just silking.

Planted: 22 April; Germinated 6/7 May

Phytotoxicity: None noted, no other effects on non-target organisms noted.

Evaluation: CEW evaluations conducted on 12 July (6 DAT), 19 July (13 DAT), 28 July (22 DAT). 5 corn ears randomly selected and evaluated for presence of CEW.

Special Notes: Very few CEW present until 28 July, soft dough stage when 95-100% of ears were infested.



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Treatment	No. CEW/5 ears 12 July (6 DAT)	No. CEW/5ears 19 July (13 DAT)	No. CEW/5ears 28 July (22 DAT)
Untreated	1.8 ± 0.6a	1.5 ± 0.5a	5.0 ± 0.0a
Belt @ 2.0 oz/acre	0.5 ± 0.5b	0.5 ± 0.3b	5.0 ± 0.0a
Belt @ 3.0 oz/acre	0.0 ± 0.0b	0.0 0.0b	4.8 ± 0.3a
Beseige @ 7.0 oz/acre	0.0 ± 0.0b	0.3 ± 0.3b	5.0 ± 0.0a

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.

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