



2011 Soybean Foliar Treatment Efficacy Trial #1–  
Dickinson Co., KS

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Pest: Bean leaf beetle (BLB), Corn earworm (CEW), Green cloverworm (GCW)

Crop: Soybean; 7 treatments

Location: Dickinson Co., KS

Plot Size: 4 rows x 20 ft.

Plant Growth Stage: R4-R5

Experimental Design: Randomized Complete Block; 4 Replications

Information: Sprayed by hand sprayer with ca. 20 gal H<sub>2</sub>O/a. at 30 psi. on 13 August, 2011

Phytotoxicity: None noted.

Evaluation: Pretreatment counts –13 August, 2011. Number per 3 ft. of row: 2 stinkbugs, 2 corn earworm, 1 fall armyworm, 1 yellow striped armyworm, 8 soybean aphids

Samples taken by counting all insects in 1 row foot on 20 August (7 DAT), 27 August (14 DAT), and 1 September (21 DAT) 2011

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**Evaluation Dates: 20 August (7 DAT), 27 August (14 DAT), and 1 September (21 DAT) 2011**

<b>Treatment/Product Name</b>	<b>BLB / row foot (mean ± SE) 7 DAT</b>	<b>CEW / row foot (mean ± SE) 7 DAT</b>	<b>GCW / row foot (mean ± SE) 7 DAT</b>	<b>BLB / row foot (mean ± SE) 14 DAT</b>	<b>CEW / row foot (mean ± SE) 14 DAT</b>	<b>GCW / row foot (mean ± SE) 14 DAT</b>
Stallion 3.0 EC @ 5.0 oz/acre	0.8 ± 0.5ab	0.0 ± 0.0b	0.0 ± 0.0b	1.8 ± 0.6a	0.5 ± 0.3a	0.8 ± 0.5b
Stallion 3.0 EC @ 8.0 oz/acre	0.5 ± 0.5ab	0.0 ± 0.0b	0.0 ± 0.0b	0.3 ± 0.3bc	0.0 ± 0.0a	0.0 ± 0.0b
Hero @ 5.0 oz/acre	0.0 ± 0.0b	0.0 ± 0.0b	0.0 ± 0.0b	0.3 ± 0.3bc	0.0 ± 0.0a	0.3 ± 0.3b
Belt SC + NIS @ 2.0 oz/acre + 25%	0.8 ± 0.5ab	0.0 ± 0.0b	0.0 ± 0.0b	1.5 ± 0.5ab	0.3 ± 0.3a	0.3 ± 0.3b
Belt SC + NIS @ 3.0 oz/acre + 25%	0.0 ± 0.0b	0.0 ± 0.0b	0.0 ± 0.0b	0.0 ± 0.0c	0.3 ± 0.3a	0.3 ± 0.3b
Leverage 360 + NIS @ 2.8 oz/acre + 25%	0.3 ± 0.3ab	0.0 ± 0.0b	0.0 ± 0.0b	0.5 ± 0.5abc	0.3 ± 0.3a	0.3 ± 0.3b
Untreated	1.3 ± 0.5a	1.3 ± 0.3a	2.5 ± 0.9a	1.5 ± 0.6ab	0.5 ± 0.3a	5.3 ± 1.1a

<b>Treatment/Product Name</b>	<b>BLB / row foot (mean ± SE) 21DAT</b>	<b>CEW / row foot (mean ± SE) 21 DAT</b>	<b>GCW / row foot (mean ± SE) 21 DAT</b>
Stallion 3.0 EC @ 5.0 oz/acre	1.3 ± 0.5abc	0.3 ± 0.3a	0.5 ± 0.3b
Stallion 3.0 EC @ 8.0 oz/acre	0.3 ± 0.3bc	0.0 ± 0.0a	0.0 ± 0.0b
Hero @ 5.0 oz/acre	1.0 ± 0.6abc	0.0 ± 0.0a	0.3 ± 0.3b
Belt SC + NIS @ 2.0 oz/acre + 25%	1.5 ± 0.3ab	0.5 ± 0.3a	0.5 ± 0.5b
Belt SC + NIS @ 3.0 oz/acre + 25%	0.0 ± 0.0c	0.3 ± 0.3a	0.0 ± 0.0b
Leverage 360 + NIS @ 2.8 oz/acre + 25%	1.3 ± 0.8abc	0.0 ± 0.0a	0.0 ± 0.0b
Untreated	2.0 ± 0.7a	0.5 ± 0.3a	8.0 ± 2.0a

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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