



2011 Alfalfa Weevil Insecticide Efficacy Trial –
Dickinson Co., KS.

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Pest: Alfalfa weevil, *Hyper postica*

Crop: Alfalfa; 21 treatments

Location: Dickinson Co., KS

Planting Date: N/A: (Ca. 12-14" tall at application)

Plot Size: 10 ft. x 20 ft.

Experimental Design: Randomized Complete Block; 4 Replications

Information: Sprayed with hand sprayer delivering 20 gal/acre at ca.30 psi on 17 April 2011.

Phytotoxicity: None noted

Evaluation: 10 stems/treatment / replication randomly selected, shaken into 1 gal. white container and counted on 21 April (4 DAT), and 28 April (11 DAT)
DAT = Days After Treatment

Special Notes: Pre-treatment counts conducted on 17 April, 2011. Average of 2.3larvae/ stem. Swathed 5 May

Weather at Time of Treatment: Temp. approx. 72°F and 0-6 mph wind

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Treatment/Product Name	Alfalfa weevil larvae / 10 stems (Mean ± SE)	Alfalfa weevil larvae / 10 stems (Mean ± SE)
	21 April (4 DAT)	28 April (11 DAT)
Stallion 3.0 EC @ 11.75 oz/a	1.5 ± 1.0bc	1.0 ± 0.7bc
Stallion 3.0 EC @ 8.0 oz/a	2.5 ± 1.5bc	4.3 ± 3.6b
Mustang Max @ 4.0 oz/a	1.8 ± 0.8bc	2.3 ± 1.3bc
Cobalt @ 19.00 oz/a	1.0 ± 0.7bc	3.5 ± 1.9bc
Steward @ 6.0 oz/a	0.3 ± 0.3c	0.5 ± 0.3c
Baythroid XL @ 2.0 oz/a	3.5 ± 0.9b	2.5 ± 1.2bc
Lorsban Adv. @ 1.0 pt/a	1.0 ± 0.6bc	3.5 ± 1.5bc
Baythroid XL @ 2.8oz/a	2.0 ± 0.4bc	2.3 ± 0.8bc
Baythroid XL + Lorsban 480 EC @ 2.8 oz/a + 1 pt/a	0.8 ± 0.5bc	0.8 ± 0.5bc
Baythroid XL + Lorsban 480 EC @ 2.8 oz/a + 1 pt/a 2 treatments – 14 days apart	0.8 ± 0.5bc	1.0 ± 0.4bc
Belt SC (+NIS) @ 3.0 oz/a (+.025%)	1.3 ± 0.5bc	1.5 ± 0.7bc
Belt SC (+NIS) @ 4.0 oz/a (+.025%)	1.3 ± 0.5bc	1.3 ± 0.5bc
Baythroid XL (+NIS) @ 2.8 oz/a (+.025%)	2.0 ± 0.8bc	1.5 ± 1.2bc
Voliam Xpress @ 6.0 oz/a	2.3 ± 1.3bc	1.5 ± 1.5bc
Baythroid XL @ 1.6 oz/a	1.8 ± 1.8bc	3.3 ± 0.5bc
Endigo 2.06 ZC @ 4.0 oz/a	3.5 ± 1.4b	3.8 ± 1.0bc

Endigo 2.71 ZC @ 4.0 oz/a	2.0 ± 1.2bc	2.3 ± 0.9bc
Centric 40WG @ 3.5 oz wt./a	2.0 ± 1.0bc	2.5 ± 1.5bc
Voliam Xpress 1.25ZL @ 9.0 oz/a	1.5 ± 0.3bc	2.0 ± 1.2bc
Cobalt 2.54 EC @ 24.7 oz/a	3.3 ± 1.6b	2.3 ± 0.9bc
Imidan 70-W @ 1.33 lb/a	2.5 ± 1.2bc	1.5 ± 0.9bc
Untreated	16.5 ± 1.3a	10.8 ± 1.3a
Untreated	16.5 ± 1.6a	10.0 ± 1.9a

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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