



2010 Alfalfa Weevil Insecticide Efficacy Trial –
Dickinson Co., KS.

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“Field 1”

Pest: Alfalfa weevil, *Hyper postica*

Crop: Alfalfa; 24 treatments

Location: Dickinson Co., KS

Planting Date: N/A: Third year (Ca. 8-10” tall at application)

Plot Size: 10 ft. x 15 ft.

Experimental Design: Randomized Complete Block; 4 Replications

Information: Sprayed with hand sprayer delivering 20 gal/acre at ca.30 psi on 13 April 2010.

Phytotoxicity: None noted

Evaluation: 10 stems/treatment / replication randomly selected, shaken into 1 gal. white container and counted on 21 April (8 DAT),
DAT = Days After Treatment

Special Notes: Pre-treatment counts conducted on 13 April, 2010 had approx. 1/larva stem. Swathed 3 May

Weather at Time of Treatment: Temp. approx. 70°F and 25 mph wind

Treatment Date: 13 April 2010

No.	Treatment/Product Name	Alfalfa weevil larvae / 10 stems (Mean \pm SE)	Alfalfa weevil larvae / 10 stems (Mean \pm SE)
		21 April (8 DAT)	25 April (12 DAT)
1	Untreated	24.5 \pm 2.6a	29.5 \pm 2.4a
2	Imidan 70-W @ 1.33 lb/acre	5.8 \pm 1.0efg	7.8 \pm 0.6c
3	Cobalt Advanced @ 2.628 lb ai/a (17 fl oz/a)	4.0 \pm 0.8g	9.3 \pm 2.8bc
4	Cobalt Advanced @ 2.628 lb ai/a (19 fl oz/a)	4.3 \pm 1.1fg	7.0 \pm 1.6c
5	Cobalt @ 2.545lb ai/a (19 fl oz/a)	5.8 \pm 0.9efgh	7.5 \pm 1.0c
6	Lorsban Advanced @ 3.75 lb ai/a (2 pt/a)	5.3 \pm 1.1efg	9.5 \pm 0.9bc
7	Warrior II @ 2.08 lb ai/a (1.92 fl oz/a)	7.8 \pm 0.8cdef	7.8 \pm 1.0c
8	Entrust Naturalyte 800 WP @ 80% ai w/w (1.2 fl oz/a)	10.8 \pm 0.9bc	12.3 \pm 0.5b
9	Mustang Max @ 4.0 oz/a	8.0 \pm 1.1cde	6.8 \pm 0.9c
10	Lorsban Advanced @ 1 pt/a	6.5 \pm 0.9defg	9.3 \pm 2.0bc
11	Cobalt @ 19 oz./a	4.8 \pm 0.5efg	7.5 \pm 0.6c
12	Baythroid XL @ 2.0 fl oz/a	12.5 \pm 1.2b	9.0 \pm 0.9c
13	Baythroid XL @ 2.8 fl oz/a	9.8 \pm 1.4bcd	6.8 \pm 1.7c
14	Baythroid XL @ 2.4 fl oz/a + Sevin XLR Plus @ 32 oz/a	8.0 \pm 1.7cde	8.8 \pm 0.9bc
15	Untreated	26.3 \pm 1.4a	31.8 \pm 2.9a

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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