



Alfalfa Weevil Insecticide Efficacy Trial -
Saline Co., KS. 2005

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Pest: Alfalfa Weevil, *Hypera postica*

Crop: Alfalfa, 13 treatments

Location: Saline Co., Kansas

Planting Date: N.A.

Plot Size: 20 ft x 25 ft

Experimental Design: Randomized Complete Block; 4 Replications

Information: Sprayed with hand sprayer delivering 20 gal/acre at 30 psi on 04/15/05

Phytotoxicity: none noted

Evaluation: Ten stems/plot, randomly selected and shaken into a 5 gal. bucket on 04/19/05 (4 DAT), 04/22/05 (7 DAT), 04/26/05 (11 DAT), 05/06/05 (21 DAT) and 05/14/05 (28 DAT).
DAT: *Days after treatment*

Special notes: 80% pupation on May 06, 2005; Alfalfa height (8"-10"). Pre-treatment count on 04/14/05 was 101 larvae/80 stems i.e. 1.3 larvae/stem

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Evaluation date: April 19, April 22, April 26, May 06 and May 14

No.	Treatment/ Product Name	Total numbers of larvae/10 stems				
		April 19, 2005 (4 DAT)	April 22, 2005 (7 DAT)	April 26, 2005 (11 DAT)	May 06, 2005 (21 DAT)	May 14, 2005 (28 DAT)
1	Warrior w/Zeon @ 1.92 fl. oz./acre	0.50 ± 0.29b	0.50 ± 0.50b	0.00 ± 0.00c	0.00 ± 0.00c	0.00 ± 0.00b
2	Warrior w/Zeon @ 2.56 fl. oz./acre	0.00 ± 0.00b	0.50 ± 0.50b	0.00 ± 0.00c	0.50 ± 0.50bc	0.25 ± 0.25b
3	Warrior w/Zeon @ 3.20 fl. oz./acre	1.00 ± 0.71b	0.00 ± 0.00b	1.00 ± 0.71bc	0.50 ± 0.29bc	0.00 ± 0.00b
4	Warrior w/Zeon @ 3.80 fl. oz./acre	1.00 ± 0.71b	0.25 ± 0.25b	0.00 ± 0.00c	0.25 ± 0.25bc	0.50 ± 0.50b
5	Mustang Max @ 4.00 fl. oz./acre	0.75 ± 0.48b	0.25 ± 0.25b	0.00 ± 0.00c	0.00 ± 0.00c	0.50 ± 0.50b
6	Mustang Max @ 3.00 fl. oz./acre	1.00 ± 0.41b	0.50 ± 0.50b	0.50 ± 0.50bc	0.25 ± 0.25bc	0.00 ± 0.00b
7	Furadan @ 1.0 pt. /acre + Mustang Max @ 2.24 fl. oz./acre	0.75 ± 0.48b	0.00 ± 0.00b	0.50 ± 0.50bc	0.00 ± 0.00c	0.75 ± 0.48b
8	Baythroid 2 @ 2.00 fl. oz./acre	2.00 ± 0.91b	1.00 ± 0.58b	1.50 ± 0.65b	1.25 ± 0.75b	0.50 ± 0.50b
9	Baythroid 2 @ 2.40 fl. oz./acre	1.25 ± 0.75b	0.00 ± 0.00b	0.25 ± 0.25bc	0.00 ± 0.00c	0.00 ± 0.00b
10	Baythroid 2 @ 2.00 fl. oz./acre + Lorsban @ 8.0 fl. oz./acre	0.25 ± 0.25b	0.25 ± 0.25b	0.00 ± 0.00c	0.50 ± 0.29bc	0.25 ± 0.25b
11	Baythroid XL @ 2.40 fl. oz./acre	0.25 ± 0.25b	0.00 ± 0.00b	0.75 ± 0.48bc	0.25 ± 0.25bc	0.25 ± 0.25b
12	Baythroid XL @ 2.80 fl. oz./acre	0.75 ± 0.75b	1.00 ± 0.58b	0.75 ± 0.25bc	0.25 ± 0.25bc	0.25 ± 0.25b
13	Untreated	25.25 ± 2.32a	19.25 ± 1.11a	17.00 ± 1.22a	7.75 ± 0.63a	3.75 ± 0.63a

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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