



2008 Alfalfa Weevil Insecticide Efficacy Trial –
Dickinson Co., KS.

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Pest: Alfalfa weevil, *Hyper postica*

Crop: Alfalfa; 7 treatments

Location: Dickinson Co., KS

Planting Date: N/A: Third year (10-12" 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 20 April 2008

Phytotoxicity: None noted

Evaluation: 10 stems/treatment / replication (40 total) randomly selected, shaken into 1 gal. white container and counted on 22 (2 DAT), 25 (5 DAT) Apr, 4 (14 DAT), and 10 (20 DAT) May, 2008. (2 DAT), (5 DAT), (14 DAT), and (20 DAT)
DAT = Days After Treatment

Special Notes: Pre-treatment counts conducted on 20 Apr, 2008 had 27 weevil larvae / 30 stems i.e. ca. 1/larva stem.

Weather at time
Of Treatment: Ca. 45°F with little wind

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Treatment Date: 20 April, 2008

| No. | Treatment/Product Name | Average number of alfalfa weevil larvae / 10 stems | | | |
|-----|---|--|---------------------|-------------------|--------------------|
| | | 22 April (2 DAT) | 25 April (5 DAT) | 4 May (14 DAT) | 10 May (20 DAT) |
| 1 | Untreated | 8.5 ± 2.5 a | 12.5 ± 3.28 a | 9.5 ± 1.19 a | 10.0 ± 0.91 a |
| 2 | Mustang Max @ 4.0 fl. oz./acre | 2.0 ± 1.41 b | 1.8 ± 0.85 b | 1.0 ± 0.71 b | 2.0 ± 0.82 b |
| 3 | Mustang Max + Chlorpyrifos @ 4.0 fl. oz. + 4.0 fl. oz /acre | 0.5 ± 0.5 b | 1.0 ± 0.58 b | 1.3 ± 0.49 b | 1.8 ± 0.85 b |
| 4 | Baythroid @ 2.0 fl. oz./acre | 2.5 ± 1.04 b | 1.0 ± 0.58 b | 1.8 ± 0.85 b | 3.3 ± 0.25 b |
| 5 | Baythroid @ 2.8 fl. oz./acre | 0.5 ± 0.29 b | 0.5 ± 0.29 b | 0.8 ± 0.48 b | 1.3 ± 0.48 b |
| 6 | Baythroid + Lorsban @ 2.4 fl. oz./acre + 8.0 fl. oz./acre | 1.3 ± 0.75 b | 1.0 ± 0.58 b | 0.5 ± 0.50 b | 1.3 ± 0.75 b |
| 7 | Warrior @ 2.8 fl. oz./acre | 1.0 ± 1.0 b | 1.0 ± 0.71 | 1.3 ± 0.75 b | 1.8 ± 1.03 b |

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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