



Pea Aphid Insecticide Efficacy Trial -
Saline Co., KS. 2005

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Pest: Pea Aphid, *Acyrtosiphon pisum*

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: Estimated number of pea aphids/stems, randomly
selected from each plot 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: Alfalfa height (8"-10"). Pre-treatment count on
04/14/05 was 50 pea aphids/stem

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

No.	Treatment/ Product Name	Estimated number of Pea Aphids/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	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b
2	Warrior w/Zeon @ 2.56 fl. oz./acre	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b
3	Warrior w/Zeon @ 3.20 fl. oz./acre	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b
4	Warrior w/Zeon @ 3.80 fl. oz./acre	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b
5	Mustang Max @ 4.00 fl. oz./acre	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b
6	Mustang Max @ 3.00 fl. oz./acre	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b
7	Furadan @ 1.0 pt. /acre + Mustang Max @ 2.24 fl. oz./acre	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b
8	Baythroid 2 @ 2.00 fl. oz./acre	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b
9	Baythroid 2 @ 2.40 fl. oz./acre	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b
10	Baythroid 2 @ 2.00 fl. oz./acre + Lorsban @ 8.0 fl. oz./acre	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b
11	Baythroid XL @ 2.40 fl. oz./acre	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b
12	Baythroid XL @ 2.80 fl. oz./acre	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b
13	Untreated	556.25 ± 15.73a	608.75 ± 22.21a	475.75 ± 43.48a	135.00 ± 10.21a	42.00 ± 20.00a

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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