



**2006 Potato Leafhopper Insecticide Efficacy Trial Dickinson Co., KS.
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Evaluation date: July 11, July 14 and August 04**

Pest: Potato Leafhopper, *Empoasca fabae*
 Crop: Alfalfa, 13 treatments
 Location: Dickinson Co., Kansas
 Planting Date: N.A.
 Plot Size: 15 ft x 20 ft
 Experimental Design: Randomized Complete Block; 4 Replications
 Information: Sprayed with hand sprayer delivering 20 gal/acre at 30 psi on 07/07/06.
 Phytotoxicity: none noted
 Evaluation: Counted number of potato leafhopper/10 sweep/ plot on 07/11/06 (4 DAT), 07/14/06 (7 DAT) and 08/04/06 (28 DAT).
 DAT: *Days after treatment*
 Special notes: Alfalfa height (6"). Pre-treatment counts on 07/07/06 was 8 potato leaf hopper/10 sweeps

No.	Treatment	Total number potato leafhopper/10 sweep		
		July 11, 2006 (4 DAT)	July 14, 2006 (7 DAT)	August 04, 2006 (28 DAT)
1	Baythroid XL @ 1.0 oz./acre	2.00 ± 0.58b	0.00 ± 0.00b	0.50 ± 0.50b
2	Baythroid XL @ 2.0 oz./acre	0.25 ± 0.25b	0.50 ± 0.29b	0.00 ± 0.00b
3	Warrior 1CS @ 2.56 oz./acre	0.75 ± 0.48b	0.00 ± 0.00b	0.25 ± 0.25b
4	Warrior 1CS @ 3.20 oz./acre	0.50 ± 0.50b	0.00 ± 0.00b	0.00 ± 0.00b
5	Warrior 1CS @ 3.84 oz./acre	0.00 ± 0.00b	0.25 ± 0.25b	0.00 ± 0.00b
6	Fanfare @ 3.9 oz./acre	0.75 ± 0.48b	0.75 ± 0.75b	0.00 ± 0.00b
7	Fanfare @ 6.4 oz./acre	0.50 ± 0.50b	0.00 ± 0.00b	0.25 ± 0.25b
8	Capture @ 3.9 oz./acre	0.00 ± 0.00b	0.75 ± 0.48b	0.00 ± 0.00b
9	Capture @ 6.4 oz./acre	0.25 ± 0.25b	1.00 ± 0.41b	0.00 ± 0.00b
10	Silencer @ 1.9 oz./acre	1.25 ± 0.95b	0.50 ± 0.50b	0.00 ± 0.00b
11	Silencer @ 3.2 oz./acre	1.25 ± 0.63b	0.75 ± 0.48b	0.00 ± 0.00b
12	Lorsban 4E @ 1.5 pt./acre	0.75 ± 0.48b	0.00 ± 0.00b	0.25 ± 0.25b
13	Untreated	16.25 ± 2.39a	7.00 ± 0.71a	3.00 ± 1.08a

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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