



Potato Leafhopper Insecticide Efficacy Trial Saline Co., KS. 2005

Robert J. (Jeff) Whitworth ,
Department of Entomology, Kansas State University

Pest: Potato Leafhopper, *Empoasca fabae*

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 07/15/05

Phytotoxicity: none noted

Evaluation: Counted number of potato leaf hopper/sweep/ plot on 07/19/05 (4 DAT),
07/26/05 (11 DAT) and 08/12/05 (27 DAT).
DAT: *Days after treatment*

Special notes: Alfalfa height (6"). Pre-treatment counts on 07/14/05 was 1.9 potato leaf
hopper/sweep

2005 Potato Leafhopper Insecticide Efficacy Trial – Saline Co., KS.
Robert J. (Jeff) Whitworth , Department of Entomology, Kansas State University
Evaluation date: July 19, July 26 and August 12

		Total number potato leafhoppers/10 sweeps		
		July 19, 2005 (4 DAT)	July 26, 2005 (11 DAT)	August 12, 2005 (27 DAT)
1	Warrior w/Zeon @ 1.92 fl. oz./acre	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
3	Silencer @ 3.00 fl. oz./acre	0.00 ± 0.00b	0.00 ± 0.00b	0.25 ± 0.25b
4	Fanfare @ 3.00 fl. oz./acre	0.00 ± 0.00b	0.00 ± 0.00b	0.25 ± 0.25b
5	Mustang Max @ 2.08 fl. oz./acre	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b
6	Mustang Max @ 3.04 fl. oz./acre	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
8	Baythroid 2 @ 2.00 fl. oz./acre	0.00 ± 0.00b	0.00 ± 0.00b	0.00 ± 0.00b
9	Baythroid 2 @ 1.00 fl. oz./acre	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	0.25 ± 0.25b
11	Baythroid XL @ 2.40 fl. oz./acre	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
13	Untreated	37.75 ± 6.77a	56.00 ± 3.14a	42.00 ± 20.00a

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.

Kansas State University Agricultural Experiment Station and Cooperative Extension Service

K-State Research and Extension is an equal opportunity provider and employer. Issued in furtherance of Cooperative Extension Work, Acts of May 8 and June 30, 1914, as amended. Kansas State University, County Extension Councils, Extension Districts, and United States Department of Agriculture Cooperating, Fred A. Cholick, Director.