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

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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 07/14/15 was 1.9 potato leaf hopper/sweep

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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 ± 6.77**a**	56.00 ± 3.14**a**	42.00 ± 20.00**a**

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]).