



2014 Alfalfa Weevil Insecticide Efficacy Trial –  
Dickinson Co., KS.

Jeff Whitworth, Holly Schwarting, Department of Entomology,  
Kansas State University

Pest: Alfalfa weevil, *Hypera postica*

Crop: Alfalfa; Established stand – 4 years

Location: Dickinson Co., KS

Planting Date: N/A

Plot Size: 10 ft. x 20 ft.

Experimental Design: Randomized Complete Block; 4 Replications

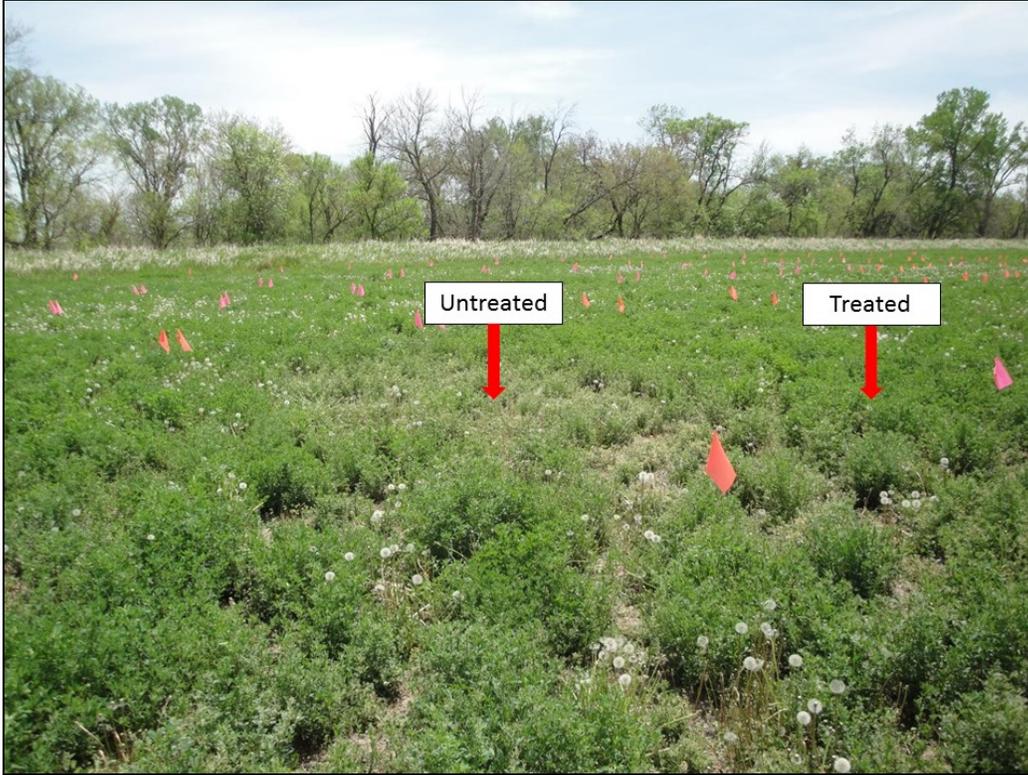
Information: Sprayed with hand sprayer delivering 20 gal/acre at ca.30 psi on 22 April, 2014.

Phytotoxicity: None noted

Evaluation: Pre-treatment counts conducted on 20 April, 2014. Average of 7.8 larvae/ 10 stems (78% infested). 10 stems/treatment / replication randomly selected, shaken into 1 gal. white container and counted on 23 April (1 DAT), 1 May (8 DAT), 6 May ( 13 DAT), 14 May (21 DAT). Field swathed 14 May  
DAT = Days After Treatment

Weather at Time of Treatment: 22 April - 74°F, very little wind

Special Notes: This year weevil infestations were substantial – see untreated stem counts. However, from a visual perspective all treatments protected the plants to the satisfaction of the grower, even though there are statistic differences between treatments.



**2014 Alfalfa Weevil Insecticide Efficacy Trial – Dickinson Co., KS.**  
 Jeff Whitworth, Holly Schwarting, Department of Entomology  
 Kansas State University

**Treatment Date:** 22 April, 2014

Treatment/Product Name	Alfalfa weevil larvae / 10 stems (Mean ± SE)			
	23 April* (1 DAT)	1 May (8 DAT)	6 May (13 DAT)	14 May (21 DAT)
Untreated	12.5 ± 2.0a	13.5 ± 3.7a	13.3 ± 2.1a	4.8 ± 1.0ab
Imidan @ 16 oz/a	7.0 ± 1.7b	5.8 ± 1.4b	8.0 ± 2.3b	5.5 ± 1.0a
Imidan @ 21 oz/a	4.5 ± 0.6bc	5.3 ± 1.8b	7.3 ± 2.6bc	4.5 ± 1.3abc
Imidan @ 22.9 oz/a	4.0 ± 0.8bc	2.0 ± 0.9b	4.3 ± 1.0bc	2.5 ± 0.3bc
Imidan @ 30.4 oz/a	4.8 ± 2.0bc	1.8 ± 0.3b	2.5 ± 0.6c	2.3 ± 1.0bc
Steward EC @11.3 oz/a + 4 oz/a surfactant	1.3 ± 0.8c	0.8 ± 0.8b	2.3 ± 0.8c	1.8 ± 0.9c

**\*Many larvae still twitching on the ground**

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, John Floros, Director.