



2009 Garden Webworms Foliar Treatment Efficacy Trial – Saline Co., KS

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

- Pest: Garden Webworm, *Achyra rantalis*
- Crop: Soybean; 6 treatments
- Location: Saline Co., KS
- Plot Size: 2 rows x 20 ft.
- Experimental Design: Randomized Complete Block; 4 Replications
- Plant Growth Stage: Late vegetative
- Information: Sprayed by hand sprayer with ca. 20 gal H₂O/a. at 30 psi. on 29 July, 2009.
Pretreatment counts – Made on 29 July, 2009. Average of 4–12 larvae (80% webworms)/row ft. with a few yellowstriped armyworms, corn earworms, and green cloverworms. Some plants were 100% defoliated (stems only remaining), some 80%, 40%, and 20%. Plots included only plants with 20% or less defoliation. 90% of the larvae were mature.
- Phytotoxicity: None noted.
- Evaluation: Post treatment counts: 30 July (1DAT); 13 Aug. (15 DAT); 20 Aug. (22 DAT). Sampled by shaking plants from 1 row/ft. over a ground cloth and counting dislodged larvae.

2009 Garden Webworms Foliar Treatment Efficacy Trial – Saline Co., KS

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

Evaluation Dates: 30 July (1 DAT), 13 Aug. (15 DAT), 20 Aug (22 DAT)

No.	Treatment/Product Name	Rate	Webworms / row ft. 30 July (mean ± SE)	Webworms / row ft. 13 Aug. (mean ± SE)	Webworms / row ft. 20 Aug. (mean ± SE)
1	Untreated	–	12.3 ± 1.5a	3.8 ± 0.9a	3.3 ± 0.5a
2	Baythroid	2.4 oz. / a	0.5 ± 0.5c	0.0 ± 0.0b	0.0 ± 0.0b
3	Belt 480 SC	3.0 oz. / a	3.3 ± 0.5b	0.0 ± 0.0b	0.0 ± 0.0b
4	Belt + Adj.	3.0 oz. / a	2.0 ± 0.4bc	0.0 ± 0.0b	0.0 ± 0.0b
5	Mustang Max EC	3.0 oz. / a	0.0 ± 0.0c	0.0 ± 0.0b	0.0 ± 0.0b
6	Hero	4.0 oz. / a	0.8 ± 0.5c	0.0 ± 0.0b	0.0 ± 0.0b
7	Endigo ZC	4.0 oz. / a	0.0 ± 0.0c	0.0 ± 0.0b	0.0 ± 0.0b

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.