



2015 Sugarcane Aphid Efficacy Trial #1 –
Saline Co., KS.

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

Pest: Sugarcane aphid, *Melanaphis sacchari*
Crop: Sorghum

Location: Saline Co., KS

Plant Stage at Application: Flowering (double cropped after wheat)

Plot Size: 10 ft. x 10 ft.

Experimental Design: Randomized Complete Block; 4 Replications

Information: Sprayed with hand sprayer delivering 20 gal/acre at ca.30 psi on 4 September, 2015. 94°F, winds south, southwest 0-6 mph.

Phytotoxicity: None noted

Evaluation: Number of sugarcane aphids on 10 uppermost and 10 lowest green leaves/ plot counted 10 Sept. (6 DAT), 18 Sept. (14 DAT), 24 Sept. (20 DAT), and 1 Oct. (27 DAT)
DAT = Days After Treatment

Special Notes: At time of application 100% of plants infested with small colonies of sugarcane aphids (adults and nymphs)

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Treatment Date: 4 September, 2015

	10 Sept. (6 DAT)		18 Sept. (14 DAT)		24 Sept. (20 DAT)		1 Oct. (27 DAT)	
Treatment	Avg. # Aphids on 10 leaves							
	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom
Sivanto @ 4 oz/a	0.5b	2.5b	0.02b	0.3b	1.8b	0.5b	0.1b	0.2a
Sivanto @ 7 oz/a	0.2b	1.2b	0.1b	0.7b	1.9b	1.3b	0.1b	0.2a
Transform @ 1 oz/a	0.4b	1.3b	0.9b	2.0b	1.7b	0.9b	0.3b	0.4a
Untreated	59.7a	11.3a	11.0a	9.3a	4.2a	12.4a	1.7a	0.3a

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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