2015 Sugarcane Aphid Efficacy Trial #2 – Saline Co., KS.

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Pest:	Sugarcane aphid, *Melanaphis sacchari*
Crop:	Sorghum
Location:	Saline Co., KS
Plant Stage at Application:	Soft Dough (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 18 September, 2015. 84°F, winds, gusting to 10mph from North
Phytotoxicity:	None noted
Evaluation:	Number of sugarcane aphids on 10 uppermost and 10 lowest green leaves/ plot counted 24 September (7 DAT), 1 October (13 DAT), 8 Oct. (20 DAT), 13 Oct. (25 DAT). DAT = Days After Treatment
Special Notes:	At time of application 100% of plants infested with small colonies of sugarcane aphids (adults and nymphs). Natural enemies, i.e. green and brown lacewings, lady beetles, and parasitic wasps were very active in untreated plots.

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Treatment Date: 18 September, 2015

	24 Sept. (6 DAT)		1 Oct. (13 DAT)		8 Oct. (20 DAT)		13 Oct. (25 DAT)	
Treatment	**Avg. # Aphids on 10 leaves**							
	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom
Lorsban Advanced @ 2 pt/a	3.7b	3.1c	0.5b	0.2b	0.8ab	0.4b	0.3b	0.5b
Mustang Maxx @ 2oz/a	9.9a	25.3a	0.8b	5.9a	1.5a	7.5a	1.8a	6.5a
Sivanto @ 4oz/a	4.3b	1.1c	0.3b	0.1b	1.1ab	0.2b	0.2b	0.3b
Untreated	4.2b	12.4b	1.7a	0.3b	0.6b	0.4b	0.5b	0.7b

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]).