2014 Sunflower Head Moth Foliar Treatment Efficacy Trial – Marion Co., KS

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Pest:	Sunflower Head Moth, *Homoeosoma electellum*
Crop:	Sunflower; 4 treatments
Plot Size:	2 rows x 20ft.
Experimental Design:	Randomized Complete Block; 4 Replications
Information:	Sprayed by hand sprayer with ca. 20 gal. H_20/a. at 30 psi. on 28 July, 2014. 80°F, 6-10 mph from the N-NE. 100% bloom at time of application.
Phytotoxicity:	None noted.
Evaluation:	Pretreatment Counts – 25 July, Average of 0.1 larva/head. 28 July, 9 moths/sticky trap in 3 nights. Dissected 4 heads/treatment and counted all larvae on 9 August (12 DAT) and 16 August (19 DAT).

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Evaluation Dates: 9 August (11 DAT), 16 August (18 DAT), 2014

Treatment/Product Name	***Avg. SHM/ 4 heads (mean ± SE)***	
	9 Aug. (12 DAT)	**16 Aug. (19 DAT)**
Untreated	38.0 ± 9.6a	2.3 ± 0.9a
Belt SC @ 2.0 oz/a	14.0 ± 2.0b	2.8 ± 0.8a
Belt SC @ 3.0 oz/a	14.0 ± 2.6b	1.3 ± 0.5a
Besiege @ 7.0 oz/a	10.0 ± 2.6b	1.0 ± 0.6a

Means within a column followed by the same letter are not significantly different (P>0.05; PROC ANOVA; Mean comparison by LSD [SAS Institute 2003]).