



2012 Sunflower Head Moth Foliar Treatment Efficacy Trial –  
Dickinson Co., KS

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Pest: Sunflower Head Moth, *Homoeosoma electellum*

Crop: Sunflower; 20 treatments

Location: Dickinson Co., KS

Plot Size: 4 rows x 20ft.

Experimental Design: Randomized Complete Block; 4 Replications

Information: Sprayed by hand sprayer with ca. 20 gal. H<sub>2</sub>O/a. at 30 psi. on 5 August, 2012 – heads at approx.. 20% bloom at time of application. 92°F with 10 mph South winds

Phytotoxicity: None noted.

Evaluation: Dissected 2 heads/ treatment and counted all larvae on 13 August (8 DAT) and 28 August (23 DAT), 2012

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**Evaluation Date:** 13 August (8 DAT) and 28 August (23 DAT), 2012

No.	Treatment/Product Name	Avg. SHM larvae/ 2 head (mean ± SE)	
		13 August (8 DAT)	28 August (23 DAT)
1	Stallion @ 8 oz./a	1.8 ± 0.3bcde	1.8 ± 1.4bcd
2	Stallion @ 11.75 oz./a	1.3 ± 1.0cdef	0.3 ± 0.3cd
3	Stallion @ 8 oz./a followed by Stallion @ 8 oz./a 19 Aug.	0.3 ± 0.3ef	0.0 ± 0.0d
4	Mustang Max @ 4 oz./a	0.0 ± 0.0f	3.5 ± 1.7bcd
5	Mustang Max @ 3 oz./a followed by Stallion @ 8 oz./a 19 Aug.	0.0 ± 0.0f	0.0 ± 0.0d
6	Asana @ 8 oz/a	0.0 ± 0.0f	3.0 ± 1.3bcd
7	Endigo 2.06 ZC @ 4 oz./a	1.5 ± 0.3cdef	0.0 ± 0.0d
8	Endigo Zcx 2.71ZC @ 4 oz./a	2.0 ± 0.4bcd	2.0 ± 2.0bcd
9	Centric 40WG @ 3.5 oz./a	1.8 ± 0.6bcde	0.0 ± 0.0d
10	Warrior li 2.09CS @ 1.92 oz./a	1.3 ± 0.5cdef	0.8 ± 0.8bcd
11	Cobalt 2.54 EC @ 24.7 oz./a	0.0 ± 0.0f	0.0 ± 0.0d
12	Prevathon SC @ 8 oz./a	1.5 ± 0.3cdef	4.0 ± 1.4b
13	Prevathon SC @ 10 oz./a	2.5 ± 0.5bc	4.3 ± 2.4b
14	Prevathon SC @ 14 oz./a	1.5 ± 0.5cdef	4.3 ± 1.3b
15	HGW86 @ 3.4 oz./a +MSO	3.3 ± 0.3ab	3.5 ± 2.1bcd
16	HGW86 @ 6.75 oz./a + MSO	1.8 ± 0.9bcde	3.8 ± 1.4bc
17	HGW86 @ 10.0 oz./a + MSO	0.8 ± 0.5def	0.0 ± 0.0d
18	HGW86 @ 13.5 oz./a + MSO	2.0 ± 0.7bcd	0.3 ± 0.3cd
19	HGW86 @ 10.0 oz./a	1.3 ± 0.8cdef	1.8 ± 1.8bcd
20	Untreated	4.8 ± 1.1a	11.8 ± 1.9a

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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