



2011 Sunflower Head Moth Foliar Treatment Efficacy Trial –
Dickinson Co., KS

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

Pest: Sunflower Head Moth, *Homoeosoma electellum*

Crop: Sunflower; 20 treatments

Location: Dickinson Co., KS

Plot Size:

Experimental Design: Randomized Complete Block; 4 Replications

Information: Sprayed by hand sprayer with ca. 20 gal. H₂O/a. at 30 psi. on 20 July, 2011.

Phytotoxicity: None noted.

Evaluation: Dissected 2 heads/ treatment and counted all larvae on 7 August, 2011

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No.	Treatment/Product Name	Rate	Avg. SHM larvae (mean ± SE)
1	Stallion 3.0EC	5.0 oz. / a	2.5 ± 0.4bcd
2	Stallion 3.0EC	8.0 oz. / a	1.1 ± 0.2f
3	Mustang Max	4.0 oz. / a	1.6 ± 0.2def
4	Cobalt	19.0 oz. / a	1.8 ± 0.3def
5	Warrior	3.2 oz. / a	2.0 ± 0.2cdef
6	Baythroid	2.8 oz. / a	1.9 ± 0.1def
7	Asana	8.0 oz. / a	1.1 ± 0.3f
8	Endigo 2.06EC	0.25 pt. / a (4.0 oz. / a)	2.1 ± 0.5cde
9	Endigo XCX 2.71ZC	0.243 pt. / a (4.0 oz. / a)	2.9 ± 0.4bc
10	Warrior w/ Zeon	0.25 pt. / a (4.0 oz. / a)	1.5 ± 0.2ef
11	Centric 40WG	3.5oz wt pr/a	3.3 ± 0.6b
12	Cobalt Advanced 3.63EC	1.56pt/a	1.8 ± 0.3def
13	Belt SC + NIS	3 oz/a + 25%	1.6 ± 0.2def
14	Belt SC + NIS	4 oz/a + 25%	1.1 ± 0.1f
15	Baythroid XL + NIS	2.8 oz/a + 25%	1.4 ± 0.2ef
16	Cobalt Advanced	300 g a.i./a	2.3 ± 0.3cde
17	Cobalt Advanced	370 g a.i./a	1.6 ± 0.2def
18	Cobalt Advanced	438 g a.i./a	1.5 ± 0.4ef
19	Asana	56 g a.i./a	1.4 ± 0.2ef
20	Untreated	-	6.1 ± 0.7a

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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