



2010 Grasshopper – Brome Pasture Foliar Treatment Efficacy
Trial – Dickinson Co., KS

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Pest: Grasshoppers (small nymphs), various species

Crop: Brome pasture

Location: Dickinson Co., KS

Plot Size: 20 ft. x 20 ft.

Experimental Design: Randomized Complete Block; 4 Replications

Information: Sprayed by hand sprayer with ca. 3 gal H₂O/a. at 30 psi. on 10 July, 2010.

Phytotoxicity: None noted.

Evaluation: 10 sweep samples/ plot on 13 July, 2010 (3DAT)
Pretreatment counts on 10 July, 2010. Counts averaged 14.4
grasshoppers/ sweep

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No.	Treatment/Product Name	Rate	Grasshoppers per 10 sweeps (mean \pm SE)
1	Baythroid	2.4 oz. / a	56.5 \pm 5.1b
2	Lorsban	8.0 oz. / a	79.0 \pm 12.0ab
3	Endigo	4.0 oz. / a	60.8 \pm 6.9b
4	Mustang Max	3.5 oz. / a	57.5 \pm 6.8b
5	Hero	4.0 oz. / a	59.3 \pm 5.3b
6	Check	-	98.5 \pm 20.1a

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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