



Grasshopper control on Brome Pasture. Seneca, KS. 2005

Gerald Wilde, Department of Entomology, Kansas State University

Pest:	Mixture of <i>Melanoplus differentialis</i> and <i>Melanoplus sanguinipes</i>
Crop:	Brome pasture, 7 treatments
Location:	Seneca, Kansas
Planting Date:	August 03, 2005
Plot Size:	30 x 40 ft
Experimental Design:	Randomized Complete Block; 4 Replications
Information:	Broadcast with hand sprayer delivering 20 gal/acre at 30 psi on 07/2/05 and 07/08/05
Phytotoxicity:	none noted
Evaluation:	Counted number of grasshopper collected in 20 sweeps/plot on 08/4/05 and 08/12/05

Grasshopper control on Brome pasture – Seneca, Kansas
Evaluation date: August 04, 2005 and August 12, 2005

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No.	Treatment/ Product Name	Grasshopper/sweep	Grasshopper/sweep
		August 04, 2005	August 12, 2005
1	Asana 0.66 @ 0.015 lb/acre	2.5 ± 1.1b	8.5 ± 2.0b
2	Lorsban 4E @ 0.25 lb/acre	3.5 ± 0.9b	9.5 ± 1.2b
3	Baythroid 2E @ 0.03 lb/acre	3.8 ± 1.3b	9.8 ± 2.1b
4	Warrior 1E @ 0.02 lb/acre	3.8 ± 1.0b	11.5 ± 2.1b
5	Sevin 2.0 @ 1.5 lb/acre	11.5 ± 1.6b	13.0 ± 3.1b
6	Mustang 0.8 @ 0.017 lb/acre	5.0 ± 0.0b	11.8 ± 2.8b
7	Untreated	92.3 ± 9.9a	87.5 ± 7.8a

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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