# 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 $H_20$/a. at 30 psi. on 10 July, 2010. |
| Phytotoxicity: | None noted. |
| Evaluation: | 10 sweep samples/ plot on 13 July, 2010 (3DAT)<br>**Pretreatment counts** on 10 July, 2010. Counts averaged 14.4 grasshoppers/ sweep<br>. |

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**Evaluation Date: 13 July, 2010 (3DAT)**

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