



**Insect control with seed treatments on wheat in Kansas. 2005-06
Greenhouse Test – Hessian Fly Control**

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Pest: Hessian Fly, *Mayetiola destructor*

Crop: Wheat, 7 treatments

Location: Hesston, Kansas

Variety: Jagger

Planting Date: September 30, 2005

Plot Size: 5 ft x 20 ft

Experimental Design: Randomized Complete Block, 4 replications

Planting Information: Wheat planted 1-2 inch depth, soil in good condition at planting, disc before planting

Phytotoxicity: None noted

Evaluation: Plants transplanted to 4 inch pots on 10/21/05 and brought to greenhouse.

Hessian fly: Caged 10 female adults/pot on 10/24/05 for 4 days. Counted larvae on 5 plants/pot on 11/10/05.

Hessian Fly Control – Wheat (2005-06) – Seed treatment Test

Planting date: 09/30/05

Plants transplanted to 4 inch pots on 10/21/05 and brought to greenhouse.

Evaluation date: 11/10/05

Gerald E. Wilde - Kansas

| Trt. No. | Treatment/ Product Name | Larvae/plant (Mean ± SE) |
|-----------------|---|-------------------------------------|
| 1 | Control Check | 8.45 ± 1.30a |
| 2 | Regent 6.2 FS @ 12.5 G A/100 kg (0.258 fl. oz./CWT) | 3.15 ± 0.53b |
| 3 | Regent 6.2 FS @ 25.0 G A/100 kg (0.515 fl. oz./CWT) | 2.80 ± 0.59bc |
| 4 | Regent 6.2 FS @ 37.5 G A/100 kg (0.775 fl. oz./CWT) | 4.75 ± 0.64b |
| 5 | Regent 6.2 FS @ 50.0 G A/100 kg (1.03 fl. oz./CWT) | 3.75 ± 0.83b |
| 6 | Cruiser 600 FS @ 29.3 G A/100 kg (0.75 fl. oz./CWT) | 0.80 ± 0.34cd |
| 7 | Gaucho 480 @ 31.3 G A/100 kg (1.0 fl. oz./CWT) | 0.25 ± 0.25d |

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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