Hessian Fly Control – Wheat (2005-06) – Field Test – Wichita, KS

Gerald Wilde, Kansas State University, Department of Entomology, Manhattan, KS

Pest:	Hessian Fly, *Mayetiola destructor*
Crop:	Wheat, 10 treatments
Location:	Wichita, Kansas
Variety:	Jagger
Planting Date:	September 30, 2005
Soil Characteristics:	To be obtained
Plot Size:	5 ft x 40 ft
Experimental Design:	Randomized Complete Block, 2 replications
Planting Information:	Wheat planted 1-2 inch depth, soil in good condition at planting, disc before planting
Field History:	Continuous wheat
Phytotoxicity:	None noted
Evaluation:	Sampled 6 plants per plot on 11/26/05 by removing plants from field. Counted larvae/plant in lab on 11/28/05

Trt. No.	Treatment/ Product Name	Larvae/plant (Mean ± SE)
1	Control Check	1.00 ± 0.46a
2	Cruiser @ 0.75 oz./cwt	0.08 ± 0.08b
3	Cruiser @ 1.33 oz./cwt	0.00 ± 0.00b
4	Gaucho @ 0.5 oz./cwt	0.00 ± 0.00b
5	Gaucho @ 1.0 oz./cwt	0.00 ± 0.00b
6	Regent @ 0.26 oz./cwt	0.25 ± 0.13b
7	Regent @ 0.51 oz./cwt	0.08 ± 0.08b
8	Regent @ 0.77 oz./cwt	0.17 ± 0.11b
9	Regent @ 1.00 oz./cwt	0.42 ± 0.42ab
10	Cruiser @ 1.00 oz./cwt	0.08 ± 0.08b

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]).

Kansas State University Agricultural Experiment Station and Cooperative Extension Service

K-State Research and Extension is an equal opportunity provider and employer. Issued in furtherance of Cooperative Extension Work, Acts of May 8 and June 30, 1914, as amended. Kansas Staten University, County Extension Councils, Extension Districts, and United States Department of Agriculture Cooperating, Fred A. Cholick, Director.