



**Insect control with seed treatments on wheat in Kansas. 2005-06
Greenhouse Test – Russian Wheat Aphid Control**

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Pest: Russian wheat aphid, *Diuraphis noxia*

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.

Russian wheat aphid: Infested with 20 aphids/pot on 10/24/05. Assessed damage rating on 0-10 scale, where 0 = no damage, 10 = all plants dead on 11/10/05

Russian Wheat Aphid 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	Damage rating (Mean ± SE)
1	Control Check	10.00 ± 0.00a
2	Regent 6.2 FS @ 12.5 G A/100 kg (0.258 fl. oz./CWT)	10.00 ± 0.00a
3	Regent 6.2 FS @ 25.0 G A/100 kg (0.515 fl. oz./CWT)	9.75 ± 0.25a
4	Regent 6.2 FS @ 37.5 G A/100 kg (0.775 fl. oz./CWT)	10.00 ± 0.00a
5	Regent 6.2 FS @ 50.0 G A/100 kg (1.03 fl. oz./CWT)	9.75 ± 0.25a
6	Cruiser 600 FS @ 29.3 G A/100 kg (0.75 fl. oz./CWT)	0.00 ± 0.00b
7	Gaucho 480 @ 31.3 G A/100 kg (1.0 fl. oz./CWT)	0.00 ± 0.00b

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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