2009 Greenbug Seed Treatment Trial – Riley Co., KS.

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Pest:	Greenbug, *Schizaphis graminum* (Rondani)
Crop:	Wheat;
Location:	K-State growth chamber, Manhattan, KS
Planting Date:	20 January, 2009
Infestation Dates:	02 February, 2009 (Approx 15 aphids/plant) – 1 week after plant emergence 09 February, 2009 (Approx 15 aphids/plant) – 2 weeks after plant emergence
Rating Dates:	09 February, 2009, 12 February, 2009
Experimental Design:	Completely Randomized. Each pot contained 4 replications and each replication consisted of 6 plants
Evaluation:	Counted number of live bugs on 5 plants/replication on 09 February and 12 February, 2009 (1st infestation date); 16 February and 19 February, 2009 (2nd infestation date)

Greenbug seed treatment trial 1st infestation date

Planting Date: 20 January, 2009
Infestation Date: 02 February, 2009 (Approx 15 aphids/plant) – 1 week after plant emergence
Rating Dates: 09 February, 2009, 12 February, 2009

Treatment	Greenbugs/5 plants (Mean ±SE) 09 Feb.	Greenbugs/5 plants (Mean ±SE) 12 Feb.
Untreated -	106.25 ± 15.73a	77.50 ± 5.20b
Gaucho XT, imidacloprid, metalaxyl, tebuconazole	2.25 ± 0.48b	4.75 ± 1.93dc
Ipconazole - metalaxyl	115.00 ± 11.90a	95.00 ± 2.89a
Ipconazole – metalaxyl, imidacloprid Attendant 480	0.00 ± 0.00b	0.00 ± 0.00d
Vitaflo 280, Attendant 480	0.00 ± 0.00b	0.50 ± 0.29d
Dividend XL RTA, Cruiser 5 FS	0.00 ± 0.00b	1.50 ± 0.65d
Ipconazole, metalaxyl, imidacloprid, Gaucho XT	0.25 ± 0.25b 17.50 ± 1.85b	2.50 ± 2.18d 9.50 ± 2.89c

Greenbug seed treatment trial 2nd infestation date

Planting Date: 20 January, 2009
Infestation Date: 09 February, 2009 (Approx 15 aphids/plant) – 2 weeks after plant emergence
Rating Dates: 16 February, 2009, 19 February, 2009

Treatment	Greenbugs/5 plants (Mean ±SE) 16 Feb.	Greenbugs/5 plants (Mean ±SE) 19 Feb.
Untreated	111.25 ± 12.97a	117.50 ± 10.31a plant dying
Gaucho XT, imidacloprid, metalaxyl, tebuconazole	0.75 ± 0.25c	0.50 ± 0.29b
Ipconazole - metalaxyl	47.50 ± 20.56b plant dying	1.00 ± 0.71b plant dead
Ipconazole – metalaxyl, imidacloprid Attendant 480	2.25 ± 1.60c	1.25 ± 0.63b
Vitaflo 280, Attendant 480	7.00 ± 3.03c	7.00 ± 4.45b
Dividend XL RTA, Cruiser 5 FS	2.25 ± 0.95c	16.75 ± 9.81b
Ipconazole, metalaxyl, imidacloprid, Gaucho XT	3.50 ± 0.65c 8.75 ± 6.42c	9.25 ± 8.60b 3.75 ±2.46b