



Greenbug and Corn Leaf Aphid Control on Sorghum with seed and planting time treatments. Hays, KS 2005

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Pest: Greenbug, *Schizaphis graminum*
Corn leaf aphid, *Rhopalosiphum maidis*

Crop: Sorghum, 14 treatments; Treatments 1-7 = Pioneer 84G62, treatments 8-14 = NC+371

Location: Hays, Kansas

Planting Date: May 17, 2005

Herbicide: None

Plot Size: 1 row, 15 ft

Experimental Design: Randomized Complete Block; 4 Replications

Planting Information: Granules applied in furrow with v-belt seeder. Sorghum planted 1-2 inch depth. Soil in good moist condition at planting, 30 inch rows, disc before planting. Infurrow treatments applied with seed.

Field History: Sorghum 2004

Phytotoxicity: none noted

Evaluation: Counted corn leaf aphids/plant on 5 plants/replication on 06/22/05. Counted number of plants/replication showing greenbug damage on 7/22/05

Yield: No yield data taken because of bird damage.

Corn leaf aphid control on sorghum – Hays, Kansas

Planting date: May 17, 2005

Evaluation date: June 22, 2005

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No.	Treatment/ Product Name	Application	Corn leaf aphid/plant
1	Untreated	-----	114.9 ± 17.7a
2	Cruiser 5FS @ 200 GA/100 Kg seed	ST	1.5 ± 0.6bc
3	A9765 FS @ 0.061 MgA/seed	ST	0.0 ± 0.0c
4	A9765 FS @ 0.075 MgA/seed	ST	3.5 ± 1.5bc
5	A9765 FS @ 0.091 MgA/seed	ST	0.3 ± 0.2c
6	STP15255 @ 250 GA/100 Kg seed	ST	0.0 ± 0.0c
7	STP15255 @ 200 GA/100 Kg seed	ST	0.0 ± 0.0c
8	Concep III @ 0.64 fl.oz/cwt		15.5 ± 6.2b
9	Gaucho 480FS @ 250 GA/100 Kg seed	ST	0.0 ± 0.0c
10	Poncho 600 @ 200 GA/100 Kg seed	ST	0.0 ± 0.0c
11	Cruiser 5FS @ 200 GA/100 Kg seed	ST	0.1 ± 0.1c
12	Counter 15G @ 8 oz./1000 row ft	IF	0.0 ± 0.0c
13	Cruiser 5FS @ 200 GA/100 Kg seed	ST	0.0 ± 0.0c
14	Concur @ 312.5 gm/100 Kg seed	ST	11.6 ± 5.0bc

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]).

Greenbug control on sorghum – Hays, Kansas

Planting date: May 17, 2005

Evaluation date: July 22, 2005

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No.	Treatment/ Product Name	Application	Number of plants with greenbug damage/plot
1	Untreated	-----	8.5 ± 2.3b
2	Cruiser 5FS @ 200 GA/100 Kg seed	ST	1.0 ± 0.7c
3	A9765 FS @ 0.061 MgA/seed	ST	1.0 ± 0.4c
4	A9765 FS @ 0.075 MgA/seed	ST	1.3 ± 0.3c
5	A9765 FS @ 0.091 MgA/seed	ST	0.5 ± 0.3c
6	STP15255 @ 250 GA/100 Kg seed	ST	1.5 ± 0.6c
7	STP15255 @ 200 GA/100 Kg seed	ST	0.8 ± 0.5c
8	Concep III @ 0.64 fl.oz/cwt		15.8 ± 0.6a
9	Gaucha 480FS @ 250 GA/100 Kg seed	ST	3.8 ± 0.3c
10	Poncho 600 @ 200 GA/100 Kg seed	ST	1.0 ± 0.0c
11	Cruiser 5FS @ 200 GA/100 Kg seed	ST	1.3 ± 0.6c
12	Counter 15G @ 8 oz./1000 row ft	IF	1.0 ± 0.4c
13	Cruiser 5FS @ 200 GA/100 Kg seed	ST	1.5 ± 1.2c
14	Concur @ 312.5 gm/100 Kg seed	ST	12.3 ± 3.6a

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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