



2008 Chinch Bug Seed Treatment Trial –  
Riley Co., KS.

Jeff Whitworth, Holly Davis, Department of Entomology,  
Kansas State University

Pest: Chinch bug, *Blissus leucopterus leucopterus*

Crop: Sorghum; 24 treatments

Location: North Agronomy Farm, Manhattan, KS

Planting Date: 10 June 2008

Plot Size: 2 rows x 20 ft.

Experimental Design: Randomized Complete Block; 5 Replications

Information: Wheat adjacent to sorghum plots on west and north

Phytotoxicity: None noted

Evaluation: Counted number of live bugs on 2 consecutive plants/plot on 1 July 2008; seedling stage plants.

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**Evaluation Date:** 01 July, 2008

<b>No.</b>	<b>Treatment/Product Name and Rate</b>	<b>Chinch bugs/ 2 plants (Mean ± SE)</b>
1	Untreated (Variety 1)	29.0 ± 4.21 a
2	Cruiser (Variety 1)	1.0 ± 0.63 c
3	Poncho (Variety 1)	3.2 ± 1.16 c
4	V10170 (Variety 1)	3.2 ± 0.37 c
5	V10170 (Variety 1)	2.2 ± 0.58 c
6	Untreated (Variety 2)	19.6 ± 4.55 b
7	Cruiser (Variety 2)	1.8 ± 0.66 c
8	Poncho (Variety 2)	1.2 ± 0.73 c
9	V10170 (Variety 2)	4.2 ± 1.02 c
10	V10170 (Variety 2)	2.0 ± 1.26 c
11	Concep III @ 0.0125 mg/seed	2.4 ± 0.93 c
12	Apron @ 0.0023 + Maxim @ 0.0008 + Concep III @ 0.0125 mg/seed	4.0 ± 0.84 c
13	Apron @ 0.0023 + Maxim @ 0.0008 + Cruiser @ 0.0624 + Concep III @ 0.0125 mg/seed	3.8 ± 0.97 c
14	Apron @ 0.0023 + Maxim @ 0.0008 + Cruiser @ 0.0784 + Concep III @ 0.0125 mg/seed	0.6 ± 0.4 c
15	Apron @ 0.0023 + Maxim @ 0.0008 + Cruiser @ 0.094 + Concep III @ 0.0125 mg/seed	1.8 ± 0.92 c
16	Apron @ 0.0023 + Maxim @	3.2 ± 0.37 c

	0.0008 + Concep III @ 0.0125 + STP15201 @ 0.0624 mg/seed	
17	Dermacor @ 0.05 + Cruiser @ 0.05 MAT	1.4 ± 0.93 c
18	Dermacor @ 0.10 + Cruiser @ 0.05 MAT	2.0 ± 1.10 c
19	Dermacor @ 0.15 + Cruiser @ 0.05 MAT	2.6 ± 1.21 c
20	Dermacor @ 0.20 + Cruiser @ 0.05 MAT	4.0 ± 0.45 c
21	Dermacor @ 0.30 + Cruiser @ 0.05 MAT	3.60 ± 0.93 c
22	DPX @ 0.30 MAT	1.2 ± 0.73 c
23	Cruiser @ 0.05 MAT	1.6 ± 0.75 c
24	Untreated	23.8 ± 2.89 b

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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