



**2006 Pillbug Control in Soybean with planting time treatments. Laboratory Test 1.  
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Pest: Pillbug, *Armadillidium vulgare*

Crop: Soybean, 9 treatments

Location: Manhattan, Kansas

Planting Date: May 31, 2006

Experimental Design: Randomized Complete Block; 10 replications

Planting Information: Soybean planted 1-2 inch depth, soil in good condition at planting.

Evaluation: leaflets (cotyledons) removed from plants in greenhouse on 06/07/06 and placed one per dish in plastic dishes (2"x2"x1") on moist filter paper. Infested with 4 pill bugs/dish. Counted number of live pill bugs and assigned damage rating to cotyledons (0-10 scale, 0 = no damage and 10 = cotyledon 100% consumed) on 06/10/06.

Trt. No.	Treatment/ Product Name	Number alive (Mean ± SE)	Damage Rating (Mean ± SE)
1	Untreated	3.9 ± 0.1a	6.3 ± 0.8a
2	Regent 500FS @ 49.0 g ai/100 kg	0.4 ± 0.2d	0.9 ± 0.2d
3	Regent 500FS @ 98.0 g ai/100 kg	0.1 ± 0.1d	1.2 ± 0.1d
4	BAS 320001 240SC @ 100.0 g ai/100 kg	1.2 ± 0.4c	2.8 ± 0.3c
5	Cruiser 600FS @ 100.0 g ai/100 kg	3.8 ± 0.1a	1.5 ± 0.3d
6	BAS 911141 500FS @ 50.0 g ai/100 kg	3.2 ± 0.3b	1.3 ± 0.2d
7	Untreated	3.9 ± 0.1a	4.6 ± 0.7b
8	Cruiser 600FS @ 50.0 g ai/100 kg	4.0 ± 0.0a	1.2 ± 0.2d
9	Cruiser 600FS @ 100.0 g ai/100 kg	3.9 ± 0.1a	0.7 ± 0.2d

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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