

Black cutworm Control with seed treatment on Corn in Kansas - 2006
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Evaluation date: May 15, 2006

Pest: Black cutworm, *Agrotis ipsilon*
 Crop: Corn, *Zea mays* L. 33 treatments
 Hybrid: Trt 1-13, N67-D6; Trt 14-21, TAX13676;
 Trt 22-28, Pioneer 33R81; Trt 29-33, N67-D6
 Location: Manhattan, Kansas
 Planting Date: April 22, 2006
 Soil Characteristics: To be obtained
 Plot Size: 2 rows, 25 ft
 Experimental Design: Randomized Complete Block; 4 Replications
 Planting Information: Corn planted 1-2 inch depth. Soil in good moist condition at planting, 30 inch rows, disc 2 inch just before planting.
 Phytotoxicity: none noted
 Evaluation: Evaluated on May 15, 2006; Caged one plant/replication; total 4 plants/treatment; Infested with 2 early second instar black cutworm
 Damage rating using 0-10 scale where 0 = no damage and 10 = plant dead, cut, or entirely consumed.

Trt. No.	Treatment/ Product Name	Damage Rating (Mean ± SE)
1	Untreated check	10.0 ± 0.0a
2	Control Fungicide	8.5 ± 1.0abc
3	Cruiser 5 FS @ 0.25 MGA/seed	4.8 ± 1.8cdefghi
4	Cruiser 5 FS @ 0.25 MGA/seed + Force 20 CS @ 5.0 GA/100 Kg seed	6.0 ± 2.3bcdefg
5	Cruiser 5 FS @ 0.25 MGA/seed + Force 20 CS @ 10.0 GA/100 Kg seed	3.0 ± 0.8fghijk
6	Cruiser 5 FS @ 0.25 MGA/seed + Force 20 CS @ 20.0 GA/100 Kg seed	5.3 ± 1.6cdefgh
7	Cruiser 5 FS @ 0.25 MGA/seed + Force 20 CS @ 40.0 GA/100 Kg seed	5.3 ± 1.5cdefgh
8	Cruiser 5 FS @ 0.25 MGA/seed + A13219 CS @ 5.0 GA/100 Kg seed	6.0 ± 1.8bcdefg
9	Cruiser 5 FS @ 0.25 MGA/seed + A13219 CS @ 10.0 GA/100 Kg seed	5.0 ± 2.2cdefghi
10	Cruiser 5 FS @ 0.25 MGA/seed + A13219 CS @ 20.0 GA/100 Kg seed	3.3 ± 1.1fghijk
11	Cruiser 5 FS @ 0.25 MGA/seed + A13219 CS @ 40.0 GA/100 Kg seed	4.3 ± 0.8defghij
12	Poncho 250 5 SC @ 0.25 MGA/seed	0.5 ± 0.3jk
13	Force 3 G @ 1.12 GA/100 row meter	9.5 ± 0.5ab
14	Untreated check	7.3 ± 1.9abcde
15	Poncho 600 @ 0.25 MGA/seed	0.3 ± 0.3k

16	V-10170 2.32 SC @ 0.25 MGA/seed	1.3 ± 0.3ijk
17	V-10170 2.32 SC @ 0.35 MGA/seed	2.8 ± 1.8fghijk
18	V-10112 1.77 SC @ 0.25 MGA/seed	4.8 ± 1.9cdefghi
19	V-10112 1.77 SC @ 0.35 MGA/seed	3.5 ± 2.3efghijk
20	V-10194 EC @ 0.25 MGA/seed	3.0 ± 2.4fghijk
21	V-10194 EC @ 0.30 MGA/seed	2.3 ± 0.9ghijk
22	Untreated check	9.3 ± 0.8ab
23	Poncho FS @ 1.25 MGA/seed	0.0 ± 0.0k
24	Poncho FS @ 0.25 MGA/seed.	1.8 ± 1.0hijk
25	Poncho FS @ 0.25 MGA/seed + Aztec 2.1G @ 172 GA/ha	0.8 ± 0.5jk
26	Poncho FS @ 1.25 MGA/seed + Aztec 2.1G @ 172 GA/ha	0.0 ± 0.0k
27	Cruiser 5 FS @ 1.25 MGA/seed	2.0 ± 1.0hijk
28	Cruiser 5 FS @ 0.25 MGA/seed	6.5 ± 2.0abcdef
29	Control Fungicide	8.0 ± 0.8abcd
30	Cruiser 5 FS @ 0.25 MGA/seed	3.3 ± 1.6fghijk
31	Cruiser 5 FS @ 0.125 MGA/seed	5.0 ± 0.8cdefghi
32	A14974 CS @ 1.12 GA/100 row meter	7.8 ± 1.3abcd
33	Poncho 250 5 SC @ 0.25 MGA/seed	2.8 ± 0.9fghijk

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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