



**Black cutworm control on corn with planting time treatments.  
Manhattan, KS., 2005.**

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**Field Test:**

<b>Pest:</b>	Black cutworm, <i>Agrotis ipsilon</i>
<b>Crop:</b>	Corn, 27 treatments
<b>Location:</b>	Manhattan, Kansas (Greenhouse)
<b>Planting Date:</b>	May 11, 2005
<b>Herbicide:</b>	None
<b>Plot Size:</b>	1 row, 30 ft.
<b>Experimental Design:</b>	Randomized Complete Block, 4 replications
<b>Planting Information:</b>	Granules applied with v-belt seeder. Corn planted 1-2 inch depth. Soil in good moist condition at planting, 30 inch rows, disc 2 inch just before planting. Infurrow treatments applied with seed. Liquid insecticide applied in 5.0 gallons of water per acre.
<b>Field History:</b>	Corn 2004
<b>Phytotoxicity:</b>	None noted
<b>Evaluation:</b>	Damage rating on using 0-10 scale where 0 = no damage and 10 = plant death on 06/01/05. Caged two 2 <sup>nd</sup> instar larvae/plant on 2 plants/plot on 05/20/05.

## Black cutworm Control – Corn (2005)

Planting date: 05/11/05

Evaluation date: 06/01/05

Gerald E. Wilde - Kansas

Trt. No.	Treatment/ Product Name	Placement	Damage Rating (Mean ± SE)
1	Untreated	-----	10.00 ± 0.00a
2	Control Fungicide	Seed	9.90 ± 0.10a
3	A14115 @ 0.138 mg/seed + Cruiser 5 FS @ 0.125 mg/seed	Seed	9.80 ± 0.30a
4	A14115 @ 0.138 mg/seed + Cruiser 5 FS @ 1.125 mg/seed	Seed	6.10 ± 1.50bc
5	Cruiser 5 FS @ 0.125 mg/seed + Warrior w/ Zeon 1 CS @22.4 GA/Ha	Pre- Emergence	0.50 ± 0.30ij
6	Warrior w/ Zeon 1 CS @22.4 GA/Ha	Pre- Emergence	1.00 ± 0.40ghij
7	STP15199 @ 5 mg/seed + STP15201 @ 0.25 mg/seed	Seed	5.40 ± 1.40bcd
8	Lorsban 4 EC @ 2.4 oz./ 1000 row ft.	T-band	0.60 ± 0.40hij
9	Lorsban 15 G @ 8.0 oz./ 1000 row ft.	T-band	1.10 ± 0.60ghij
10	Force 3 G @ 1.12 ga/100 row meter	T-band	0.00 ± 0.00j
11	STP15255 @ 58.5 ga/100 row meter	Seed Box	7.90 ± 0.90ab
12	Untreated	-----	9.50 ± 0.30a
13	Poncho 1250 ST @ 1.25 mg/kernal	Seed	1.10 ± 0.40ghij
14	Aztec 2.1G @ 3.3 oz./1000 row ft.	T-band-Plant	0.00 ± 0.00j
15	Poncho 1250 ST @ 0.25 mg/kernal	Seed	1.00 ± 0.30ghij
16	Poncho 1250 ST @ 1.25 mg/kernel + Aztec 2.1G @ 2.2 oz./1000 row ft.	T-band	3.30 ± 1.50defgh
17	Cruiser 1250 ST @ 1.25 mg/kernal	Seed	4.10 ± 1.60cdef
18	Poncho 1250 ST @ 0.25 mg/kernel + Aztec 2.1G @ 6.7 oz./1000 row ft.	T-band	3.00 ± 1.30defghi
19	Cruiser 1250 ST @ 0.25 mg/kernal	Seed	3.40 ± 1.10defg
20	Latitude @ 0.89 oz ai/cwt	Seed	5.00 ± 1.20cde
21	Baythroid 2E @ 1 fl. oz./acre	T-band-plant	0.00 ± 0.00j

22	Regent 4 SC @ 2 fl. oz./acre	T-band-plant	1.30 ± 1.30ghij
23	Baythroid 2E @ 1.6 fl. oz./acre	T-band-plant	0.30 ± 0.20j
24	HM-0466 2.1G @ 6.7 oz./1000 row ft.	T-band, Plant	1.30 ± 1.30ghij
25	Regent 4 SC @ 0.24 fl. oz./ 1000 row ft.	IF-Plant	1.50 ± 1.20fghij
26	Aztec 2.1G @ 6.7 oz./1000 row ft.	T-band-plant	1.30 ± 1.30ghij
27	A14776 @ 0.15 oz./acre	T-band-plant	2.50 ± 1.60efghij

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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