



**2006 corn rootworm control in field corn with conventional insecticides.
Gerald Wilde, Kansas State University, Department of Entomology, Manhattan, KS
Evaluation date: June 29, 2006**

Pest: Western Corn Rootworm, *Diabrotica virgifera virgifera*
Crop: Corn, *Zea mays* L. 24 treatments
Location: Ames, Kansas
Planting Date: April 21, 2006
Soil Characteristics: To be obtained
Plot Size: 1 row, 25 ft
Experimental Design: Randomized Complete Block; 4 Replications
Planting Information: 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. In-furrow treatments applied with seed.
Field History: Corn 2005
Phytotoxicity: none noted
Evaluation: Evaluated on June 29, 2006; Evaluated 4 plants/replication, total 16 plants/treatment; Damage rating using 0-3 scale where 0 = no damage and 3 = 3 nodes destroyed

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Trt. No.	Treatment/ Product Name	Application	Root Rating (Mean ± SE)	Yield (bu/ac) (Mean ± SE)
1	Untreated Check	----	1.32 ± 0.34a	124.31 ± 16.73bc
2	Force 3G @ 4 OzPr/1000 row ft.	Band	0.58 ± 0.25bcd	141.53 ± 12.73abc
3	Force 3G @ 4 OzPr/1000 row ft.	IF	0.58 ± 0.21bcd	168.94 ± 9.10a
4	A14974 @ 0.09 OzA/1000 row ft.	Band	0.17 ± 0.06e	145.35 ± 15.34abc
5	A14974 @ 0.12 OzA/1000 row ft.	Band	0.13 ± 0.05e	153.64 ± 7.24abc
6	A14974 @ 0.15 OzA/1000 row ft.	Band	0.09 ± 0.04e	151.73 ± 10.64abc
7	A14974 @ 0.09 OzA/1000 row ft.	IF	0.24 ± 0.12cde	148.54 ± 5.24abc
8	A14974 @ 0.12 OzA/1000 row ft.	IF	0.34 ± 0.14bcde	156.19 ± 8.35abc
9	A14974 @ 0.15 OzA/1000 row ft.	IF	0.23 ± 0.12de	151.09 ± 10.43abc
10	Capture 2EC @ 0.33 OzA/1000 row ft.	Band	0.64 ± 0.24bc	155.55 ± 9.43abc
11	Capture 2EC @ 0.33 OzA/1000 row ft.	IF	0.35 ± 0.14bcde	157.46 ± 9.10ab
12	Aztec 2.1G @ 6.7 OzPr/1000 row ft.	Band	0.12 ± 0.06e	127.50 ± 9.71bc
13	Aztec 2.1G @ 6.7 OzPr/1000 row ft.	IF	0.05 ± 0.02e	131.96 ± 13.83bc
14	Regent 4SC @ 0.24 fl. OzPr/1000 row ft.	IF	0.02 ± 0.01e	167.66 ± 9.04a
15	Lorsban 15G @ 8 OzPr/1000 row ft.	Band	0.09 ± 0.04e	141.53 ± 21.14abc
16	Lorsban 15G @ 6 OzPr/1000 row ft. + Poncho 250	Band	0.58 ± 0.22bcd	138.34 ± 9.04abc
17	Lorsban 4E @ 2.4 fl OzPr/1000 row ft.	Band	0.68 ± 0.23b	138.98 ± 12.94abc
18	Counter 15G @ 8 OzPr/1000 row ft.	Band	0.13 ± 0.08e	142.80 ± 9.02abc
19	Aztec 2.1G @ 8 OzPr/1000 row ft.	Band	0.02 ± 0.01e	126.23 ± 14.14bc
20	Defcon 2.1 G @ 6.7 OzPr/1000 row ft.	Band	0.05 ± 0.04e	140.25 ± 13.89abc
21	Defcon 2.1 G @ 6.7 OzPr/1000 row ft.	IF	0.11 ± 0.03e	145.35 ± 8.71abc
22	YieldGard [®] Rootworm		0.03 ± 0.03e	124.31 ± 5.74bc
23	Pioneer 33B53 Herculex RW + P250		0.01 ± 0.01e	131.33 ± 6.71bc
24	Pioneer 33B55 untreated + P250		0.19 ± 0.07de	132.60 ± 10.25bc

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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