



**2007 Corn Rootworm Insecticide Efficacy Trial, Chapman, Dickinson Co., Kansas**  
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**University**

Pest:	Western corn rootworm, <i>Diabrotica virgifera virgifera</i>
Crop:	Field corn, <i>Zea mays</i> , 12 treatments
Location:	Chapman, Dickinson Co., Kansas
Planting Date:	April 29, 2007
Plot Size:	1 row, 25 ft
Experimental Design:	Randomized Complete Block; 4 Replications
Date of Application:	Granules applied with v-belt planter. Granules applied with v-belt seeder. Corn planted 1-2 inch depth. Soil in good moist condition at planting, 30 inch rows, and all treatments applied at planting
Evaluation:	Evaluated on July 14, 2007; Evaluated 4 plants/replication (16 plants total/treatment); Damage rating 0-3 scale (0= no damage, 3 = 3 nodes completely destroyed)
Field History:	Corn, 2006
Phytotoxicity:	None noted

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No.	Treatment	Application	Root Rating (Mean $\pm$ SE)
1	Force 3G @ 4 OzPr/1000 row ft.	Band	0.28 $\pm$ 0.12 bc
2	Force 3G @ 4 OzPr/1000 row ft.	In-furrow	0.28 $\pm$ 0.08 bc
3	A14974 @ 0.09 OzA/1000 row ft.	Band	0.12 $\pm$ 0.03 c
4	A14974 @ 0.12 OzA/1000 row ft.	In-furrow	0.11 $\pm$ 0.03 c
5	Capture 2EC @ 0.33 OzA/1000 row ft.	Band	0.08 $\pm$ 0.03 c
6	Capture 2EC @ 0.33 OzA/1000 row ft.	In-furrow	0.19 $\pm$ 0.09 c
7	Aztec 2.1G @ 6.7 OzPr/1000 row ft.	Band	0.29 $\pm$ 0.12 bc
8	Aztec 2.1G @ 6.7 OzPr/1000 row ft.	In-furrow	0.17 $\pm$ 0.09 c
9	Regent 4SC @ 0.24 fl. OzPr/1000 row ft.	In-furrow	0.50 $\pm$ 0.19 b
10	Aztec 2.1G @ 6.7 OzPr/1000 row ft.	In-furrow	0.28 $\pm$ 0.08 bc
11	Aztec 2.1G @ 6.7 OzPr/1000 row ft. + Poncho 600 FS @ 0.25 GA/1000 seeds	In-furrow	0.11 $\pm$ 0.06 c
12	Untreated	-----	0.81 $\pm$ 0.18 a

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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