



Corn Rootworm Control in Field Corn with planting time treatments.  
Soil Insecticide Test # 2, 2005

Gerald Wilde, Department of Entomology, Kansas State University

Pest:	Western Corn Rootworm, <i>Diabrotica virgifera virgifera</i>
Crop:	Corn, <i>Zea mays</i> L. 26 treatments
Location:	Manhattan, Kansas
Planting Date:	April 27, 2005
Plot Size:	2 rows, 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 2004
Phytotoxicity:	none noted
Evaluation:	Evaluated on June 29, 2005; 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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 Soil Insecticide – Test 2 -- Corn Rootworm – Corn (2005)  
 Planting date: April 27, 2005 -- Evaluation date: June 29, 2005  
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Trt. No.	Treatment/ Product Name	Application	Root Rating (Mean ± SE)
1	Force 3G @ 0.12 oz A/1000 row ft.	Band	0.14 ± 0.04b
2	Aztec 2.1G @ 0.14 ozA/1000 row ft.	Band	0.02 ± 0.01b
3	Capture 2EC @ 0.33 fl. oz. Pr / 1000 row ft.	Band	0.08 ± 0.03b
4	Poncho 1250 ST @ 1.25 MgA/seed	ST	0.01 ± 0.01b
5	A14115 @ 0.138 MgA/seed Cruiser 5FS @ 1.125 MgA/seed	ST	0.14 ± 0.04b
6	YieldGard <sup>®</sup> Rootworm	ST	0.01 ± 0.01b
7	Untreated Check	-----	2.02 ± 0.18a

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]).

#### Soil Insecticide – Test 2 (Yield Data)

Harvest date: September 13, 2005

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Trt. No.	Treatment/ Product Name	Application	Yield (bu/acre) Mean ± SE
1	Force 3G @ 0.12 ozA/1000 row ft.	Band	89.38 ± 6.64a
2	Aztec 2.1G @ 0.14 ozA/1000 row ft.	Band	104.38 ± 6.40a
3	Capture 2EC @ 0.33 fl oz Pr/ 1000 row ft.	Band	100.63 ± 7.39a
4	Poncho 1250 ST @ 1.25 MgA/seed	ST	91.88 ± 9.76a
5	A14115 @ 0.138 MgA/seed Cruiser 5FS @ 1.125 MgA/seed	ST	90.63 ± 6.95a
6	YieldGard <sup>®</sup> Rootworm	ST	112.50 ± 12.95a
7	Untreated Check	-----	93.13 ± 11.70a

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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