2008 Corn Rootworm Insecticide / Traits Efficacy Trial – Dickinson Co., KS.

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Pest:	Western Corn Rootworm, *Diabrotica virgifera virgifera*
Crop:	Field Corn, *Zea mays*; 16 treatments
Location:	Dickinson Co., KS
Planting Date:	27 April 2008
Plot Size:	2 rows x 20 ft.
Experimental Design:	Randomized Complete Block; 4 Replications
Information:	Granules applied with v-belt seeder. Corn planted 1-2 inch depth in 30 inch rows, and all treatments applied at planting. In furrow treatments applied with seed. 3rd year corn.
Phytotoxicity:	None noted
Evaluation:	Evaluated 12 July 2008. Evaluated 4 roots / replication (16 plants total / treatment); Root damage rating scale 0-3 (0 = no damage, 3 = 3 nodes destroyed).

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No.	Treatment/Product Name	Application	Root Rating (Mean ± SE)
1	Untreated		1.96 ± 0.33 a
2	Force 3G	Band	0.80 ± 0.16 bcde
3	Force 3G	In-furrow	0.53 ± 0.09 ef
4	A14974 (CS)	Band	0.67 ± 0.17 cdef
5	A14974 (CS)	In-furrow	0.61 ± 0.18 def
6	Capture LFR (EC)	Band	0.74 ± 0.10 bcde
7	Capture LFR (EC)	In-furrow	0.45 ± 0.09 ef
8	Aztec (Gran.)	Band	0.60 ± 0.11 def
9	Aztec (Gran.)	In-furrow	0.37 ± 0.07 ef
10	Poncho 250 (Strt.)	Seed treatment	1.21 ± 0.39 bcd
11	Poncho 1250 (Strt.)	Seed treatment	0.97 ± 0.19 bcde
12	Poncho 250 + Aztec	Seed treatment + At planting	0.63 ± 0.19 def
13	Exp 5B	Seed treatment	1.27 ± 0.37 bc
14	Herculex XTRA		0.07 ± 0.02 f
15	Isoline	Untreated	1.34 ± 0.37 ab
16	Isoline + Lorsban 15G	Band	0.96 ± 0.16 bcde

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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