



2018 Corn Seed Treatment Efficacy Trial – Corn Rootworm
Dickinson Co., KS.

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Crop: Corn, *Zea mays*, 6th year consecutively planted – dryland corn planted at 24,000 seeds/acre
 Pest: Western corn rootworm, *Diabrotica virgifera virgifera*
 Plot Size: 3 rows x 40 ft.
 Experimental Design: Randomized Complete Block; 4 Replications
 Planting Info: Planted 7 May, 2018. Emerged 15 May.
 Phytotoxicity: None noted, no other effects on non-target organisms observed.
 Data Collection: Plant counts conducted in 17.5 ft of middle row - 5 June, plants V4 – V5.
 Roots rated 14 June, plants V7 – V8. 5 plants randomly selected from middle row. Rated using Iowa State 0-3 scale.
 Special Note: Extremely hot and dry conditions resulted in poor plant development and lack of pollination. Harvest was not possible

No.	Treatment	Mean plants/acre, 5 June, V4-V5	Mean root rating (Iowa 0-3 scale) 14 June, V7-V8
1	Untreated	18,250a	2.58a
2	Poncho 600FS @ 0.75 mg ai/seed + Poncho/Votivo @ 0.6 mg ai/seed	19,000a	1.28b

Means within a column followed by the same letter are not significantly different ($P>0.05$; PROC ANOVA; 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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