2016 Corn Insect Efficacy Trial
Dickinson Co., KS.

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Pest: Any soil-inhabiting insects present (white grubs and wireworms noted during planting)

Crop: Corn, Zea Mays

Plot Size: 4 rows x 50 ft. under irrigation, no-till

Experimental Design: Randomized Complete Block; 4 Replications

Planted: 24 April, 2016; Germination 3 May, 2016

Phytotoxicity: None noted, no other effects on non-target organisms observed.

Sampling: Approx. 30 days prior to planting sampled 1 sq ft of soil in multiple locations and had average of 1 wireworm/ft.² Note: during planting many white grubs were observed in the soil.

Evaluation: Plant vigor ratings (1= excellent, 5 = poor) made on 30 May (plants V4-V5).
### Treatment Comparisons:

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Plant Counts, middle 2 rows (30 May)</th>
<th>Vigor Rating 1 = excellent, 5 = poor (30 May)</th>
<th>% Plants emerged (30 May)</th>
<th>Yield (bu/a)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evergol energy @ 11.51 A/100 KG</td>
<td>50.4a</td>
<td>1</td>
<td>84.0a</td>
<td>204.1a</td>
</tr>
<tr>
<td>Evergol energy @ 11.51 A/100 KG + Poncho/Votivo @ 0.6mg a/seed</td>
<td>52.1a</td>
<td>1.3</td>
<td>86.9a</td>
<td>251.0a</td>
</tr>
<tr>
<td>Evergol energy @ 11.51 A/100 KG + Poncho 600 @ 0.75 mg a/seed + Poncho/Votivo @ 0.6 mg a/seed</td>
<td>51.4a</td>
<td>1.8</td>
<td>85.6a</td>
<td>205.4a</td>
</tr>
</tbody>
</table>

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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