2014 Corn Protocol  
Dickinson Co., KS.

Jeff Whitworth, Holly Schwarting, Department of Entomology,  
Kansas State University

Pest: Any soil-inhabiting insects present (white grubs, Scarabaeidae noted during planting)


Plot Size: 4 rows x 25 ft. under irrigation

Experimental Design: Randomized Complete Block; 4 Replications

Planted: 22 April, 2014; Germination 6/7 May, 2014

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

Evaluation: Plant stand counts and vigor ratings (1= inferior to check plot, 5 = comparable to check, 9= superior to check) made on 21 May by counting all plants in middle 2 rows.
### Table: Plant Count, Vigor Rating, and Yield

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Plant Count Total Plants /2 rows (Mean± SE) 21 May</th>
<th>Vigor Rating /2 rows (Mean± SE) 21 May</th>
<th>Yield in Bu/a</th>
</tr>
</thead>
<tbody>
<tr>
<td>Untreated</td>
<td>56.3 ± 2.6b</td>
<td>5.0 ± 0.0a</td>
<td>205.3 ± 8.0c</td>
</tr>
<tr>
<td>Evergol Energy (untreated)</td>
<td>82.0 ± 7.5a</td>
<td>5.0 ± 0.0a</td>
<td>243.8 ± 10.5ab</td>
</tr>
<tr>
<td>Evergol Energy Poncho 600 FS @ 0.5 mg A/Seed</td>
<td>68.5 ± 6.3ab</td>
<td>5.0 ± 0.0a</td>
<td>225.7 ± 9.6bc</td>
</tr>
<tr>
<td>Evergol Energy Poncho 600 FS @ 1.25 mg A/Seed</td>
<td>88.3 ± 12.5a</td>
<td>5.0 ± 0.0a</td>
<td>266.3 ± 12.3a</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.

**Kansas State University Agricultural Experiment Station and Cooperative Extension Service**