Fairfield, Licking, and Perry Counties Commercial Corn Hybrid Side-by-Side Performance Trials, Group I

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Objective

To evaluate the relative performance of corn hybrids currently available to farmers in the three-county area.

Background

<table>
<thead>
<tr>
<th>Cooperator</th>
<th>Nearest Town</th>
<th>Soil Type</th>
<th>Previous Crop</th>
<th>Planting Date</th>
<th>Planting Rate</th>
<th>Harvest Date</th>
<th>Harvest Pop. (avg.)</th>
<th>Plot Yield (avg.)</th>
<th>Moisture (avg.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slater Farms</td>
<td>Hebron</td>
<td>Westland &amp; Bennington</td>
<td>Soybeans</td>
<td>April 30, 1999</td>
<td>30,000 seeds/A</td>
<td>October 5, 1999</td>
<td>28,781</td>
<td>155.07 bu/A</td>
<td>16.9%</td>
</tr>
<tr>
<td>Dennis DeRolph</td>
<td>Glenford</td>
<td>Luray &amp; Oakley</td>
<td>Soybeans</td>
<td>May 3, 1999</td>
<td>28,000 seeds/A</td>
<td>October 19, 1999</td>
<td>24,159</td>
<td>201.68 bu/A</td>
<td>19.5%</td>
</tr>
<tr>
<td>Mike Thomas</td>
<td>Thurston</td>
<td>Pendenlon</td>
<td>Soybeans</td>
<td>May 1, 1999</td>
<td>27,700 seeds/A</td>
<td>October 7, 1999</td>
<td>28,195</td>
<td>166.54 bu/A</td>
<td>16.9%</td>
</tr>
<tr>
<td>Kennedy Farms</td>
<td>Thornville</td>
<td>Centerburg</td>
<td>Soybeans</td>
<td>May 7, 1999</td>
<td>30,000 seeds/A</td>
<td>November 17, 1999</td>
<td>22,522</td>
<td>151.55 bu/A</td>
<td>15.6%</td>
</tr>
</tbody>
</table>

Methods

This study was designed to compare corn hybrid performance using farms in the three-county area. Companies submitted two hybrids for evaluation. Due to the number of submissions (44), this trial was split into two groups. The split was made based on maturity information given by the companies with the shorter-season submission from each representative being placed in this group. Maturity ranges in this group were 106- to 113-day hybrids.

Hybrids were randomly planted side by side at each location. No check/tester hybrid was used. Each of the four farms was used as a replication. The hybrids were planted in six-row, field-
length strips. Strip length ranged from 397 feet to 1,142 feet. All hybrids were planted with the cooperator's planter. Fertilizer, herbicides, and insecticides were applied according to the cooperator's crop management plan and were all within recommended cultural practices for obtaining optimum grain yields.

**Results**

**Summary**

Fifteen miles was the longest distance between any two fields for this trial. Fifteen hybrids ranging in yield from 167 to 182 bu/A were statistically the highest-yielding performers in this trial.

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