## 2003 Strip Plots

ISU Grain Quality Laboratory

**Results:** Bremer County Conventional Soybean Strip Plot

Varieties are listed in order from highest to lowest yield.

<table>
<thead>
<tr>
<th>Company</th>
<th>Variety</th>
<th>Yield¹ (Bu./A.)</th>
<th>Field Moisture² (%)</th>
<th>Protein (%)</th>
<th>Oil (%)</th>
<th>Fiber (%)</th>
<th>Sum (P+O) (%)</th>
<th>EPVB³ ($ / Bu.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epley</td>
<td>ESP25</td>
<td>32.6</td>
<td>9.9</td>
<td>37.6</td>
<td>17.5</td>
<td>4.5</td>
<td>55.1</td>
<td>$7.48</td>
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<tr>
<td>Epley</td>
<td>ESP220</td>
<td>34.2</td>
<td>9.4</td>
<td>37.8</td>
<td>17.3</td>
<td>4.5</td>
<td>55.1</td>
<td>$7.48</td>
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<tr>
<td>Thompson</td>
<td>T3201</td>
<td>30.7</td>
<td>9.4</td>
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<td>4.7</td>
<td>54.2</td>
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<td>92M72</td>
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<td>9.7</td>
<td>37.8</td>
<td>18.0</td>
<td>4.5</td>
<td>55.8</td>
<td>$7.57</td>
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<td>23K00</td>
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<td>9.9</td>
<td>38.7</td>
<td>17.2</td>
<td>4.6</td>
<td>55.9</td>
<td>$7.61</td>
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<td>Pattison Bros.</td>
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<td>26.9</td>
<td>10.4</td>
<td>38.3</td>
<td>17.2</td>
<td>4.6</td>
<td>55.5</td>
<td>$7.55</td>
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<td>17.8</td>
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<td>253PL</td>
<td>29.1</td>
<td>9.7</td>
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<td>4.7</td>
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<td>Syngenta</td>
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<td>31.0</td>
<td>9.9</td>
<td>36.9</td>
<td>18.2</td>
<td>4.7</td>
<td>55.1</td>
<td>$7.45</td>
</tr>
</tbody>
</table>

**Check Variety Information:** (average values for check strips)

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<tr>
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<th>Yield¹ (Bu./A.)</th>
<th>Field Moisture² (%)</th>
<th>Protein (%)</th>
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<td>9.9</td>
<td>36.9</td>
<td>18.2</td>
<td>4.7</td>
<td>55.1</td>
</tr>
</tbody>
</table>

**Averages⁴**

- Yield: 31.4
- Field Moisture: 9.7
- Protein: 37.6
- Oil: 17.6
- Fiber: 4.6
- Sum (P+O): 55.1
- EPVB: $7.48

**Standard Deviation⁴**

- Yield: 2.8
- Field Moisture: 0.4
- Protein: 0.6
- Oil: 0.3
- Fiber: 0.1
- Sum (P+O): 0.6
- EPVB: $0.09

**Maximum⁴**

- Yield: 35.4
- Field Moisture: 10.4
- Protein: 38.7
- Oil: 18.1
- Fiber: 4.7
- Sum (P+O): 55.9
- EPVB: $7.61

**Minimum⁴**

- Yield: 26.9
- Field Moisture: 9.0
- Protein: 36.6
- Oil: 17.2
- Fiber: 4.5
- Sum (P+O): 54.2
- EPVB: $7.33

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1. Yield is check-adjusted in plots with check strips.
2. Field moisture content data were provided by the participating plot operator.
3. EPVB is the Estimated Processed Value per Bushel to be used for Feed. It is determined by soybean protein and oil content and the current market price for oil, meal, and hulls.
4. Averages, Standard Deviation, Maximum, and Minimum values were calculated from plot final results, not including check strips (where applicable).

Ingredient Prices for EPVB

- Soybeans ($ / bu.) 6.70
- 48% Soy Meal ($ / ton) 205
- Soy Oil ($ / lb.) 0.21
- Millfeed ($ / lb.) 0.05