# 2000 Strip Plots

## ISU Grain Quality Laboratory

### Results: Black Hawk County Soybean Test Plot

Varieties are listed in order from highest to lowest yield.

<table>
<thead>
<tr>
<th>Company</th>
<th>Variety</th>
<th>Yield $^1$ (Bu. / A.)</th>
<th>Field Moisture $^2$ (%)</th>
<th>Protein (%)</th>
<th>Oil (%)</th>
<th>Fiber (%)</th>
<th>Sum (P+O) (%)</th>
<th>EPVB $^3$ ($ / Bu.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mycogen</td>
<td>S281</td>
<td>58.8</td>
<td>11.4</td>
<td>35.7</td>
<td>19.2</td>
<td>4.7</td>
<td>54.9</td>
<td>4.70</td>
</tr>
<tr>
<td>Prairie Brand</td>
<td>217</td>
<td>57.3</td>
<td>11.7</td>
<td>38.1</td>
<td>17.5</td>
<td>5.0</td>
<td>55.6</td>
<td>4.80</td>
</tr>
<tr>
<td>Stine</td>
<td>2490</td>
<td>57.0</td>
<td>11.8</td>
<td>37.8</td>
<td>16.8</td>
<td>4.9</td>
<td>54.6</td>
<td>4.71</td>
</tr>
<tr>
<td>crows</td>
<td>24007</td>
<td>56.2</td>
<td>11.4</td>
<td>37.0</td>
<td>18.4</td>
<td>5.1</td>
<td>55.4</td>
<td>4.77</td>
</tr>
<tr>
<td>Profiseed</td>
<td>2509</td>
<td>54.5</td>
<td>12.4</td>
<td>38.1</td>
<td>17.9</td>
<td>4.8</td>
<td>56.0</td>
<td>4.84</td>
</tr>
<tr>
<td>Midwest</td>
<td>2380</td>
<td>53.9</td>
<td>12.0</td>
<td>36.8</td>
<td>18.4</td>
<td>4.8</td>
<td>55.2</td>
<td>4.75</td>
</tr>
<tr>
<td>Golden Harvest</td>
<td>2510</td>
<td>53.7</td>
<td>11.6</td>
<td>35.4</td>
<td>19.3</td>
<td>4.7</td>
<td>54.7</td>
<td>4.68</td>
</tr>
<tr>
<td>Garst</td>
<td>260</td>
<td>53.7</td>
<td>12.0</td>
<td>36.7</td>
<td>18.1</td>
<td>4.9</td>
<td>54.8</td>
<td>4.71</td>
</tr>
<tr>
<td>Asgrow</td>
<td>2553</td>
<td>53.5</td>
<td>11.9</td>
<td>38.2</td>
<td>17.8</td>
<td>4.8</td>
<td>56.0</td>
<td>4.84</td>
</tr>
<tr>
<td>crows</td>
<td>28003</td>
<td>51.2</td>
<td>11.4</td>
<td>35.1</td>
<td>17.9</td>
<td>5.0</td>
<td>53.0</td>
<td>4.53</td>
</tr>
<tr>
<td>Dekalb</td>
<td>277</td>
<td>50.8</td>
<td>11.6</td>
<td>35.2</td>
<td>18.0</td>
<td>4.9</td>
<td>53.2</td>
<td>4.55</td>
</tr>
<tr>
<td>Pioneer</td>
<td>92663</td>
<td>49.6</td>
<td>11.4</td>
<td>35.1</td>
<td>18.0</td>
<td>4.9</td>
<td>53.1</td>
<td>4.54</td>
</tr>
</tbody>
</table>

**Long Term Iowa Averages:**

- Yield: 54.2
- Field Moisture: 11.7
- Protein: 36.6
- Oil: 18.1
- Fiber: 4.9
- Sum (P+O): 54.7
- EPVB: 4.70

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

- Yield: 56.6
- Field Moisture: 11.9
- Protein: 35.9
- Oil: 18.4
- Fiber: 4.8
- Sum (P+O): 54.4
- EPVB: 4.54

**Averages:**

- Yield: 54.2
- Field Moisture: 11.7
- Protein: 36.6
- Oil: 18.1
- Fiber: 4.9
- Sum (P+O): 54.7
- EPVB: 4.70

**Standard Deviation:**

- Yield: 2.8
- Field Moisture: 0.3
- Protein: 1.3
- Oil: 0.7
- Fiber: 0.1
- Sum (P+O): 1.1
- EPVB: 0.11

**Maximum:**

- Yield: 58.8
- Field Moisture: 12.4
- Protein: 38.2
- Oil: 19.3
- Fiber: 5.1
- Sum (P+O): 56.0
- EPVB: 4.84

**Minimum:**

- Yield: 49.6
- Field Moisture: 11.4
- Protein: 35.1
- Oil: 16.8
- Fiber: 4.7
- Sum (P+O): 53.0
- EPVB: 4.53

### Ingredient Prices for EPVB

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Price ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soybeans</td>
<td>4.07</td>
</tr>
<tr>
<td>48% Soy Meal</td>
<td>147.5</td>
</tr>
<tr>
<td>Soy Oil</td>
<td>0.14</td>
</tr>
<tr>
<td>Millfeed</td>
<td>0.02</td>
</tr>
</tbody>
</table>

1. Yield is check-adjusted in plots with check strips.
2. Reported 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).

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