# ISU Grain Quality Laboratory

## Results: Iowa County

Hybrids are listed in order from highest to lowest yield.

<table>
<thead>
<tr>
<th>Company</th>
<th>Hybrid</th>
<th>Yield</th>
<th>Value</th>
<th>Test Wt.</th>
<th>Field Moisture</th>
<th>Protein</th>
<th>Oil</th>
<th>Starch</th>
<th>Density</th>
<th>EPVBF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pioneer</td>
<td>33P67 - N001</td>
<td>181.2</td>
<td>$206.18</td>
<td>57.2</td>
<td>20.9</td>
<td>7.3</td>
<td>3.6</td>
<td>59.3</td>
<td>1.28</td>
<td>1.25</td>
</tr>
<tr>
<td>Cornelius</td>
<td>C676YG</td>
<td>178.3</td>
<td>$210.65</td>
<td>59.1</td>
<td>19.3</td>
<td>7.8</td>
<td>4.0</td>
<td>58.9</td>
<td>1.23</td>
<td>1.30</td>
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<tr>
<td>Myogen</td>
<td>2799</td>
<td>174.5</td>
<td>$209.08</td>
<td>55.8</td>
<td>18.7</td>
<td>7.2</td>
<td>3.9</td>
<td>59.5</td>
<td>1.27</td>
<td>1.26</td>
</tr>
<tr>
<td>Pioneer</td>
<td>34B23 - N008</td>
<td>168.7</td>
<td>$213.80</td>
<td>59.3</td>
<td>16.2</td>
<td>7.6</td>
<td>3.4</td>
<td>59.8</td>
<td>1.26</td>
<td>1.26</td>
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<tr>
<td>Crow</td>
<td>504</td>
<td>166.2</td>
<td>$209.39</td>
<td>58.7</td>
<td>17.0</td>
<td>7.8</td>
<td>3.9</td>
<td>58.8</td>
<td>1.26</td>
<td>1.32</td>
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<td>Wyffel</td>
<td>W730MP</td>
<td>167.2</td>
<td>$206.74</td>
<td>58.2</td>
<td>17.3</td>
<td>7.6</td>
<td>3.9</td>
<td>59.3</td>
<td>1.25</td>
<td>1.29</td>
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<tr>
<td>Asgrow</td>
<td>RK680YG AR</td>
<td>165.5</td>
<td>$204.29</td>
<td>58.8</td>
<td>17.4</td>
<td>6.9</td>
<td>3.5</td>
<td>60.1</td>
<td>1.27</td>
<td>1.22</td>
</tr>
</tbody>
</table>

## Long Term Iowa Averages

<table>
<thead>
<tr>
<th></th>
<th>Yield</th>
<th>Value</th>
<th>Test Wt.</th>
<th>Field Moisture</th>
<th>Protein</th>
<th>Oil</th>
<th>Starch</th>
<th>Density</th>
<th>EPVBF</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8.0</td>
<td>3.6</td>
<td>60.0</td>
<td>1.27</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Check Variety Information:

- **Averages**:
  - Yield: 154.7
  - Value: $190.97
  - Test Wt.: 56.9
  - Field Moisture: 19.3
  - Protein: 7.5
  - Oil: 3.7
  - Starch: 59.6
  - Density: 1.26
  - EPVBF: 1.27

- **Standard Deviation**:
  - Yield: 13.8
  - Value: $14.09
  - Test Wt.: 1.7
  - Field Moisture: 1.2
  - Protein: 0.3
  - Oil: 0.2
  - Starch: 0.5
  - Density: 0.014
  - EPVBF: 0.03

- **Maximum**:
  - Yield: 181.2
  - Value: $213.80
  - Test Wt.: 59.8
  - Field Moisture: 20.9
  - Protein: 8.1
  - Oil: 4.1
  - Starch: 60.5
  - Density: 1.29
  - EPVBF: 1.32

- **Minimum**:
  - Yield: 120.5
  - Value: $153.96
  - Test Wt.: 52.7
  - Field Moisture: 14.9
  - Protein: 6.8
  - Oil: 3.2
  - Starch: 56.8
  - Density: 1.23
  - EPVBF: 1.21

### Ingredient Prices for EPVBF

- **Corn ($/bu.)**: 1.30
- **White Grease ($/lb.)**: 0.08
- **DDG ($/ton)**: 88
- **48% Soy Meal ($/ton)**: 147.5

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YIELD, PROTEIN, OIL, STARCH, TEST WEIGHT AND DENSITY BASIS 15% MOISTURE. VALUE IS GROSS REVENUE PER ACRE MINUS 2.75 CENTS/BU/PT. FOR DRYING.

DENSITY IS A MEASURE OF KERNEL HARDNESS.

1. Yield is check-adjusted in plots with check strips.
2. Value is determined by the current price for corn ($1.30) and a drying charge.
3. Reported moisture content and test weight data were provided by the participating plot operator.
4. EPVBF is the Estimated Processed Value per Bushel to be used for Feed. It is determined by grain quality and the current market price for feed ingredients.
5. Averages, Standard Deviation, Maximum, and Minimum values were calculated from plot final results, not including check strips (where applicable).

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