### Field Experiment History

**Title:** Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot.

**Experiment:** 01 Silage vs Grain  
**Trial ID:** 2908  
**Year:** 2006

**Personnel:** J.G. Lauer, P.J. Flannery, and K.D. Kohn

**Location:** Arlington, WI  
**County:** Columbia

**Supported By:** HATCH

---

### Site Information

<table>
<thead>
<tr>
<th>Field</th>
<th>ARS413</th>
<th>Previous Crop:</th>
<th>Corn</th>
<th>Soil Type:</th>
<th>Plano Silt Loam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil Test:</td>
<td>Date: 10/15/06</td>
<td>pH</td>
<td>7.1</td>
<td>OM (%)</td>
<td>3.6</td>
</tr>
</tbody>
</table>

---

### Plot Management

**Tillage Operations:** Chisel Plow  
**Field Cultivator:** Soil Finisher  
**Cultivated:** 6/14/06  
**Analysis:**  
- Preplant : 46-0-0  
- Rate lbs/A: 325 lbs  
- Date: 4/20/06

**Fertilizer:**  
- Starter : 9-23-30  
- Post plant : N/A  
- Manure: N/A

**Herbicide:**  
- Outlook 20 oz/A  
- Hornet 4.0 oz/A  
- Callisto 3.0 oz/A  
**Insecticide:** Force 4.4 lb/A  
**Hybrid:** See Factors

**Irrigation:** None

**Planting Date:** 4/27/06  
**Planting Depth:** 1.5"  
**Row Width:** 30"

**Target Plant Density:** 30000 plants per acre  
**Planting Method:** Kinze Plot Planter

**Harvest Date:**  
- S: 9/14/06  
- G: 10/17/06  
**Harvest Method:**  
- G: Massey Ferguson 8XP  
- S: NH 707 Plot Chopper

**Harvest Plot Size:**  
- G: 22' x 5'  
- S: 22' x 2.5'

**Target Plant Density:** 29964 plants per acre

**Experimental Design**

- **Design:** RCB  
- **Replications:** 3

**Plot Size Seeded:** 25' x 20'  
**Experiment Size:** 0.21 A

**Harvest Plot Size:**  
- G: 22' x 5'  
- S: 22' x 2.5'

**Hybrids:**
- Croplan Genetics 566TS
- Crows 4843X
- Mycogen F2F566

**Fertilizer:**
- NK Brand N49-E3
- Pioneer 34A18
- Pioneer 35F38

**Results:** Table C-10.
Table C-10. Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot.
Arlington, WI - 2006

<table>
<thead>
<tr>
<th>Brand</th>
<th>Hybrid</th>
<th>Traits</th>
<th>Grain</th>
<th>Whole Plant</th>
<th>Milk 2006</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Test Broken Grower</td>
<td>Kernel KMR</td>
<td>SMR</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Yield Moist weight stalks return</td>
<td>Yield Moist milk 0-5</td>
<td>0-5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>bu/A % lbs/bu %</td>
<td>$/A</td>
<td>tons/A % %</td>
</tr>
<tr>
<td>Pioneer</td>
<td>35F38</td>
<td></td>
<td>189 24.8 53.5 16 564</td>
<td>8.9 64.1 43.3 2.2 2.8 5.0</td>
<td>6.8 21.6 42.1 80.5 53.6 36.5 3211 28476</td>
</tr>
<tr>
<td>Mycogen</td>
<td>F2F566</td>
<td>BMR</td>
<td>184 24.8 54.0 45 548</td>
<td>8.2 64.8 21.7 1.1 1.2 2.3</td>
<td>7.8 24.0 48.5 80.8 60.4 27.1 3156 25993</td>
</tr>
<tr>
<td>Pioneer</td>
<td>34A18</td>
<td>CB,CR,LL</td>
<td>199 26.6 52.1 17 584</td>
<td>9.3 66.5 61.7 3.1 3.2 6.3</td>
<td>7.4 24.5 47.4 78.9 55.5 28.4 3071 28690</td>
</tr>
<tr>
<td>Croplan Genetics</td>
<td>566TS</td>
<td>CB,CR,RR</td>
<td>181 23.9 55.1 10 542</td>
<td>8.7 65.7 31.7 1.6 2.3 3.9</td>
<td>7.5 22.9 46.2 79.5 55.5 29.9 3113 27129</td>
</tr>
<tr>
<td>Crows</td>
<td>4843X</td>
<td>CR,RR</td>
<td>183 22.7 55.4 25 552</td>
<td>8.4 69.4 50.0 2.5 3.1 5.6</td>
<td>7.7 25.5 48.1 76.5 51.1 27.6 2932 24592</td>
</tr>
<tr>
<td>NK Brand</td>
<td>N49E3</td>
<td>Leafy</td>
<td>195 26.4 53.1 22 575</td>
<td>8.6 65.5 41.7 2.1 2.0 4.1</td>
<td>7.7 24.0 46.6 79.2 55.3 28.8 3091 26543</td>
</tr>
<tr>
<td>Mean</td>
<td></td>
<td></td>
<td>189 24.9 53.9 22 561</td>
<td>8.7 66.0 41.7 2.1 2.4 4.5</td>
<td>7.5 23.8 46.5 79.2 55.3 29.7 3096 26904</td>
</tr>
<tr>
<td>Probability(%)</td>
<td></td>
<td></td>
<td>94.9 74.3 21.8 36.1 98.9</td>
<td>92.7 0.1 0.0 0.0 0.0 0.0</td>
<td>14.3 3.7 3.3 0.3 0.0 0.5 1.2 83.0</td>
</tr>
<tr>
<td>LSD(0.10)</td>
<td></td>
<td></td>
<td>NS NS NS NS NS</td>
<td>NS 1.4 10.1 NS 0.5</td>
<td>0.4 0.8 NS 1.8 3.1 1.4 1.4 3.5 107 NS</td>
</tr>
<tr>
<td>CV(%)</td>
<td></td>
<td></td>
<td>14 14 3 87 15</td>
<td>15 1 17 17 12 12 6 5 4 1</td>
<td>2 8 2 16</td>
</tr>
</tbody>
</table>
### FIELD EXPERIMENT HISTORY

**Title:** Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot.

**Experiment:** 01 Silage vs Grain  
**Trial ID:** 2909  
**Year:** 2006

**Personnel:** J.G. Lauer, P.J. Flannery, and K.D. Kohn

**Location:** Galesville, WI  
**County:** Trempealeau

**Supported By:** HATCH

---

**Site Information**

- **Field:**  
- **Previous Crop:** Soybean
- **Soil Type:** Downs Silt Loam
- **Soil Test:**  
  - **Date:** 10/15/06  
  - **pH:** 5.9  
  - **OM (%):** 4  
  - **P (ppm):** 25  
  - **K (ppm):** 140

---

**Plot Management**

- **Tillage Operations:** Zone Builder  
- **Cultivated:** 6/13/06

**Fertilizer:**

- **Preplant:** N/A  
- **Starter:** 9-23-30  
- **Post plant:** 28-0-0  
- **Manure:** N/A

**Herbicide:**

- **Cinch:** 2.0 pt/A  
- **Callisto:** 3.0 oz/A

**Irrigation:** None

**Planting Date:** 4/26/06  
**Planting Depth:** 1.5”  
**Row Width:** 30”

**Target Plant Density:** 30000 plants per acre

**Harvest Date:**  
- **S:** 9/15/06
- **G:** 10/19/06

**Harvest Method:**  
- **G:** Massey Ferguson 8XP
- **S:** NH 707 Plot Chopper

**Harvest Plot Size:**  
- **G:** 22’ x 5’
- **S:** 22’ x 2.5’

**Harvest Plant Density:** 30888 plants per acre

---

**Experimental Design**

- **Design:** RCB  
- **Replications:** 3

**Plot Size Seeded:** 25’ x 20’

**Experiment Size:** 0.21 A

**Harvest Plot Size:**  
- **G:** 22’ x 5’
- **S:** 22’ x 2.5’

**Factors/Treatments:**

- **Hybrids:**  
  - Croplan Genetics 591CRWRR
  - Mycogen F2F444
  - NK Brand N49-E3
  - Pioneer 35Y61
  - Renk RK632RRYGPL
  - Renk RK669

---

**Results:** Table C-11.
### Table C-11. Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot.
Galesville, WI - 2006

<table>
<thead>
<tr>
<th>Brand</th>
<th>Hybrid</th>
<th>Traits</th>
<th>Test Broken Grower</th>
<th>Whole Plant</th>
<th>Milk 2006</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Yield Moist weight</td>
<td>Kernel KMR</td>
<td>In Vitro</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>stalks return</td>
<td>SMR 0-5</td>
<td>Crude</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>%</td>
<td>%</td>
<td>protein</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>$/bu/A</td>
<td>$/A</td>
<td>ADF NDF</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>%</td>
<td>Digest</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>%</td>
<td>NDFD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>%</td>
<td>Starch</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>%</td>
<td></td>
</tr>
<tr>
<td>Renk</td>
<td>RK669</td>
<td></td>
<td>216 19.9 56.3 15</td>
<td>664</td>
<td>10.3 59.4 58.3 2.9</td>
</tr>
<tr>
<td>Mycogen</td>
<td>F2F444</td>
<td>BMR</td>
<td>174 21.6 59.3 1</td>
<td>529</td>
<td>8.4 62.7 45.0 2.3</td>
</tr>
<tr>
<td>Renk</td>
<td>RK632RRYGPL</td>
<td>CB,CR,RR</td>
<td>205 18.8 57.4 1</td>
<td>634</td>
<td>10.0 57.1 43.3 2.2</td>
</tr>
<tr>
<td>NK Brand</td>
<td>N49E3</td>
<td>Leafy</td>
<td>204 26.5 51.0 1</td>
<td>601</td>
<td>10.4 62.0 45.0 2.3</td>
</tr>
<tr>
<td>Croplan Genetics</td>
<td>591CRWRR</td>
<td>CR,RR</td>
<td>232 22.6 57.3 6</td>
<td>699</td>
<td>10.6 62.3 36.7 1.8</td>
</tr>
<tr>
<td>Pioneer</td>
<td>35Y61</td>
<td>CB,CR,LL,RR</td>
<td>223 23.5 55.0 0</td>
<td>669</td>
<td>10.5 61.9 58.3 2.9</td>
</tr>
<tr>
<td>Mean</td>
<td></td>
<td></td>
<td>209 22.1 56.1 4</td>
<td>632</td>
<td>10.0 60.9 47.8 2.4</td>
</tr>
</tbody>
</table>

**Probability(%)**

- Hybrid (H):
  - 0.0 0.0 0.0 0.2 0.0 1.4 0.3 13.3 13.3 0.1 56.4 1.8 23.5 38.7 0.1 0.0 5.8 0.6 25.7

**LSD(0.10)**

- Hybrid (H):
  - 11 0.3 1.1 5 32 0.9 2.1 NS NS 0.3 NS 0.5 NS NS 1.6 1.5 3.8 125 NS

**CV(%)**

- 4 1 1 86 4 6 2 22 22 8 13 6 8 6 1 2 8 3 8
# FIELD EXPERIMENT HISTORY

**Title:** Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot.

**Experiment:** 01 Silage vs Grain  
**Trial ID:** 2910  
**Year:** 2006

**Personnel:** J.G. Lauer, P.J. Flannery, and K.D. Kohn

**Location:** Lancaster, WI  
**County:** Grant

**Supported By:** HATCH

## Site Information

<table>
<thead>
<tr>
<th>Field</th>
<th>Sid's</th>
<th>Previous Crop</th>
<th>Soybean</th>
<th>Soil Type</th>
<th>Fayette Silt Loam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil Test</td>
<td>Date: 10/15/06</td>
<td>pH 7.5</td>
<td>OM (%) 2.9</td>
<td>P (ppm) 75</td>
<td>K (ppm) 104</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Plot Management

<table>
<thead>
<tr>
<th>Tillage Operations:</th>
<th>Soil Finisher</th>
<th>Cultivated Date: 6/15/06</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fertilizer:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preplant:</td>
<td>46-0-0</td>
<td>350</td>
</tr>
<tr>
<td>Starter:</td>
<td>9-23-30</td>
<td>150</td>
</tr>
<tr>
<td>Post plant:</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Manure:</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Herbicide:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harness 1.0 qt/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Atrazine 4L 1.0 qt/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Glyphosate 1.0 qt/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Insecticide:</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Hybrid:</td>
<td>See Factors</td>
<td></td>
</tr>
<tr>
<td>Irrigation:</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Planting Date:</td>
<td>5/16/06</td>
<td></td>
</tr>
<tr>
<td>Planting Depth:</td>
<td>1.5&quot;</td>
<td></td>
</tr>
<tr>
<td>Row Width:</td>
<td>30&quot;</td>
<td></td>
</tr>
</tbody>
</table>

| Target Plant Density: | 30000 plants per acre |
| Harvest Date:         | S: 9/7/06  
|                       | G: 10/12/06 |

| Harvest Method:       | G: Massey Ferguson 8XP  
|                       | S: NH 707 Plot Chopper |

| Harvest Plot Size:    | G: 22' x 5'  
|                       | S: 22' x 2.5' |

| Design:               | RCB          |
| Replications:         | 3            |

| Plot Size Seeded:     | 25' x 20'    |
| Experiment Size:      | 0.21 A       |

| Harvest Plant Density:| 29964 plants per acre |
| Factors/Treatments:   |                          |

**Hybrids:**

- Croplan Genetics 566TS
- NK Brand N49-E3
- Crows 4843X
- Pioneer 34A18
- Mycogen F2F566
- Pioneer 35F38

## Results:

Table C-12.
Table C-12. Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot.
Lancaster, WI - 2006

<table>
<thead>
<tr>
<th>Brand</th>
<th>Hybrid</th>
<th>Traits</th>
<th>Yield</th>
<th>Moist weight</th>
<th>Broken stalks</th>
<th>Grower return</th>
<th>Yield</th>
<th>Moist</th>
<th>Crude protein</th>
<th>ADF</th>
<th>NDF</th>
<th>Digest</th>
<th>NDFD</th>
<th>Starch</th>
<th>Ton</th>
<th>Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>bu/A %</td>
<td>lbs/bu %</td>
<td>$/A tons/A %</td>
<td>%</td>
<td>%</td>
<td>%</td>
<td>%</td>
<td>%</td>
<td>%</td>
<td>%</td>
<td>%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pioneer</td>
<td>35F38</td>
<td></td>
<td>229</td>
<td>20.2</td>
<td>57.6</td>
<td>2</td>
<td>701</td>
<td>9.0</td>
<td>62.1</td>
<td>5.9</td>
<td>21.6</td>
<td>41.2</td>
<td>80.5</td>
<td>52.7</td>
<td>38.6</td>
<td>52006</td>
</tr>
<tr>
<td>Mycogen</td>
<td>F2F566 BMR</td>
<td></td>
<td>161</td>
<td>24.2</td>
<td>55.4</td>
<td>22</td>
<td>480</td>
<td>7.8</td>
<td>66.0</td>
<td>7.1</td>
<td>23.0</td>
<td>45.8</td>
<td>82.8</td>
<td>62.5</td>
<td>30.5</td>
<td>52006</td>
</tr>
<tr>
<td>Pioneer</td>
<td>34A18</td>
<td>CB,CR,LL</td>
<td>228</td>
<td>24.8</td>
<td>56.1</td>
<td>1</td>
<td>680</td>
<td>8.7</td>
<td>67.3</td>
<td>6.5</td>
<td>28.2</td>
<td>50.8</td>
<td>76.2</td>
<td>53.1</td>
<td>27.6</td>
<td>52006</td>
</tr>
<tr>
<td>Crows</td>
<td>4843X</td>
<td>CR,RR</td>
<td>233</td>
<td>27.2</td>
<td>54.2</td>
<td>4</td>
<td>680</td>
<td>9.0</td>
<td>66.3</td>
<td>6.1</td>
<td>24.9</td>
<td>46.6</td>
<td>77.4</td>
<td>51.5</td>
<td>31.7</td>
<td>52006</td>
</tr>
<tr>
<td>NK Brand</td>
<td>N49E3</td>
<td>Leafy</td>
<td>178</td>
<td>26.6</td>
<td>52.9</td>
<td>9</td>
<td>522</td>
<td>9.4</td>
<td>65.2</td>
<td>6.6</td>
<td>25.3</td>
<td>46.8</td>
<td>77.5</td>
<td>52.0</td>
<td>30.7</td>
<td>52006</td>
</tr>
<tr>
<td>Mean</td>
<td></td>
<td></td>
<td>209</td>
<td>24.2</td>
<td>55.4</td>
<td>7</td>
<td>626</td>
<td>8.8</td>
<td>65.5</td>
<td>6.5</td>
<td>24.8</td>
<td>46.6</td>
<td>78.6</td>
<td>54.0</td>
<td>31.5</td>
<td>52006</td>
</tr>
</tbody>
</table>

Probability(%)  
Hybrid (H) 0.0 0.0 0.0 0.0 0.0 37.3 5.9 1.3 1.6 1.6 0.0 0.0 0.8 0.1 58.5

LSD(0.10)  
Hybrid (H) 19 0.8 0.5 3 55 NS 2.6 0.5 2.7 3.8 1.9 1.9 4.0 138 NS

CV(%)  
6 2 1 28 6 10 3 5 7 6 2 2 9 3 11
Field Experiment History

Title: Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot.

Experiment: 01 Silage vs Grain  
Trial ID: 2911  
Year: 2006

Personnel: J.G. Lauer, P.J. Flannery, and K.D. Kohn

Location: Marshfield, WI  
County: Wood

Supported By: HATCH

Site Information

Field: W5  
Previous Crop: Soybean  
Soil Type: Withee Silt Loam

Soil Test: Date: 10/15/06  
ph 6.6  
OM (%) 2.5  
P (ppm) 39  
K (ppm) 125

Plot Management

Tillage Operations: Chisel Plow  
Soil Finisher: Cultivated  
Date: 6/15/06

Fertilizer:  
Preplant: N/A  
Starter: 9-23-30  
Post plant: 28-0-0  
Manure: N/A

Herbicide: Hornet 2.4 oz/A  
Atrazine 1.0 qt/A  
Outlook 14 oz/A  
Accent 0.67 oz/A  
Northstar 5.0 oz/A

Insecticide: None  
Hybrid: See Factors

Irrigation: None

Planting Date: 5/4/06  
Planting Depth: 1.5"  
Row Width: 30"

Target Plant Density: 30000 plants per acre

Harvest Date: S: 9/20/06  
G: 10/20/06

Harvest Method: G: Massey Ferguson 8XP  
S: NH 707 Plot Chopper

Experimental Design

Design: RCB  
Replications: 3

Plot Size Seeded: 25' x 20'  
Experiment Size: 0.21 A

Harvest Plot Size: G: 22' x 5'  
S: 22' x 2.5'

Harvest Plant Density: 30888 plants per acre

Factors/Treatments:

Hybrids:  
Brown Seed 4989RRLfy  
Croplan Genetics 355TS  
Golden Harvest H6466CBGT

Mycogen F2F485  
Pioneer 38H65  
Pioneer 38K46

Results: Table C-13.
### Table C-13. Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot. Marshfield, WI - 2006

<table>
<thead>
<tr>
<th>Brand</th>
<th>Hybrid</th>
<th>Traits</th>
<th>Grain Yield</th>
<th>Moist weight stalks</th>
<th>Test Broken Grower</th>
<th>Kernel</th>
<th>KMR</th>
<th>SMR</th>
<th>VMR</th>
<th>Crude</th>
<th>In Vitro</th>
<th>Milk 2006</th>
<th>Milk per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pioneer</td>
<td>38K46</td>
<td></td>
<td>164</td>
<td>30.1</td>
<td>50.6</td>
<td>1</td>
<td>471</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mycogen</td>
<td>F2F485</td>
<td>BMR</td>
<td>144</td>
<td>31.1</td>
<td>54.8</td>
<td>7</td>
<td>411</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Croplan Genetics</td>
<td>355TS</td>
<td>CB,CR,RR</td>
<td>180</td>
<td>34.3</td>
<td>53.0</td>
<td>1</td>
<td>501</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Golden Harvest</td>
<td>H6466CBGT</td>
<td>CB,LL,RR</td>
<td>165</td>
<td>25.2</td>
<td>54.8</td>
<td>0</td>
<td>488</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pioneer</td>
<td>38H65</td>
<td>CB,LL,RR</td>
<td>171</td>
<td>32.9</td>
<td>51.1</td>
<td>0</td>
<td>482</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brown Seed</td>
<td>4989RRLfy</td>
<td>Leafy,RR</td>
<td>134</td>
<td>36.6</td>
<td>51.8</td>
<td>2</td>
<td>366</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean</td>
<td></td>
<td></td>
<td>160</td>
<td>31.7</td>
<td>52.7</td>
<td>2</td>
<td>453</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Probability(%)</td>
<td></td>
<td></td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.2</td>
<td>0.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LSD(0.10)</td>
<td></td>
<td></td>
<td>11</td>
<td>1.5</td>
<td>0.8</td>
<td>2</td>
<td>32</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CV(%)</td>
<td></td>
<td></td>
<td>5</td>
<td>3</td>
<td>1</td>
<td>88</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
FIELD EXPERIMENT HISTORY

Title: Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot.
Experiment: 01 Silage vs Grain Trial ID: 2912 Year: 2006
Personnel: J.G. Lauer, P.J. Flannery, and K.D. Kohn
Location: Rhinelander, WI County: Oneida
Supported By: HATCH

Site Information
Field: Preplant: 46-0-0 325 lbs Date: 5/10/06
Previous Crop: Potato Starter: 9-23-30 150 5/18/06
Soil Type: Vilas Loamy Sand Post plant: 46-0-0 185 lbs/A N/A
Soil Test: Date: 10/15/06 pH 5.8 OM (%): 2.3 P (ppm): 311 K (ppm): 127
Plot Management
Tillage Operations: Offset Disk Vibra Shank
Fertilizer: Preplant: 46-0-0 325 lbs Rate lbs/A: Date:
Starter: 9-23-30 150 5/18/06
Post plant: 46-0-0 185 lbs/A N/A
Manure: N/A N/A
Herbicide: Lumax 2.5 qts/A Insecticide: None
Irrigation: 5.17" Hybrid: See Factors
Planting Date: 5/18/06 Planting Depth: 1.5" Row Width: 30"
Target Plant Density: 30000 plants per acre
Harvest Date: S: 9/26/06 Planting Method: Kinze Plot Planter
G: 11/1/06 Harvest Method: G: Massey Ferguson 8XP
Harvest Plot Size: G: 22' x 5' S: NH 707 Plot Chopper
Target Plant Density: 30000 plants per acre
Harvest Plant Density: 28776 plants per acre

Experimental Design
Design: RCB Replications: 2
Plot Size Seeded: 25' x 20' Experiment Size: 0.18 A
Harvest Plot Size: G: 22' x 5' Harvest Plant Density: 28776 plants per acre
S: 22' x 2.5'
Factors/Treatments:
Hybrids:
  Carharts Blue Top CR6585RR
  Kussmaul SB2983RRYGPlus
  Mycogen F2F485
  NK Brand N27-W8
  NK Brand N33H6
  Pioneer 38K46

Results: Table C-14.
Table C-14. Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot.  
Rhineland, WI - 2006

<table>
<thead>
<tr>
<th>Brand</th>
<th>Hybrid</th>
<th>Traits</th>
<th>Whole Plant</th>
<th>Grain</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Test Broken Grower</td>
<td>Kerne l KMR</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Yield</td>
<td>Moist weight</td>
</tr>
<tr>
<td>Pioneer</td>
<td>38K46</td>
<td>BMR</td>
<td>172</td>
<td>23.2</td>
</tr>
<tr>
<td>Mycogen</td>
<td>F2F485</td>
<td>BMR</td>
<td>94</td>
<td>30.2</td>
</tr>
<tr>
<td>Kussmaul</td>
<td>SB2983RRYGPlus</td>
<td>CB,CR,RR</td>
<td>178</td>
<td>23.2</td>
</tr>
<tr>
<td>NK Brand</td>
<td>N27W8</td>
<td>CB,LL</td>
<td>214</td>
<td>23.1</td>
</tr>
<tr>
<td>NK Brand</td>
<td>N33H6</td>
<td>Leafy</td>
<td>146</td>
<td>26.1</td>
</tr>
<tr>
<td>Carharts Blue Top</td>
<td>CR6585RR</td>
<td>RR</td>
<td>195</td>
<td>23.2</td>
</tr>
<tr>
<td>Mean</td>
<td></td>
<td></td>
<td>167</td>
<td>24.8</td>
</tr>
</tbody>
</table>

Probability(%)  
Hybrid (H)  
0.2  0.0  0.8  38.7  0.2  4.5   6.8   0.3   0.3  47.9  1.4  9.3  70.2  49.1  75.3  0.1   24.9  89.2  15.8

LSD(0.10)  
Hybrid (H)  
26  1.1  1.3  NS  75  0.8  3.3  11.6  0.6  NS  0.9  NS  NS  NS  1.7  NS  NS  NS

CV(%)  
8 2 1 124 8 7 2 9 9 20 9 6 13 9 3 1 14 5 10
FIELD EXPERIMENT HISTORY

Title: Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot.

Experiment: 01 Silage vs Grain

Personnel: J.G. Lauer, P.J. Flannery, and K.D. Kohn

Location: Valders, WI

Supported By: HATCH

Site Information

Previous Crop: Corn

Soil Type: Kewaunee Clay Loam

Preplant: N/A

Date: 10/15/06

Starter: 9-23-30 150 5/5/06

Post plant: 34-0-0 150 lbs/A 6/21/

Chisel Plow Field Cultivator Cultivated

Irrigation: None

Plot Size Seeded: 25' x 20'

Experiment Size: 0.21 A

Planting Date: 5/5/06

Row Width: 30"

Target Plant Density: 30000 plants per acre

Harvest Date: S: 9/21/06

G: 10/25/06

Harvest Plant Density: 29700 plants per acre

Experimental Design

Design: RCB

Replications: 3

Hatch

Plot Size Seeded: 25' x 20'

Experiment Size: 0.21 A

Factors/Treatments:

Hybrids:
Brown Seed 4989RRLfy
Croplan Genetics 355TS
Golden Harvest H6466CBGT

Mycogen F2F485
Pioneer 38H65
Pioneer 38K46

Results: Table C-15.
<table>
<thead>
<tr>
<th>Brand</th>
<th>Hybrid</th>
<th>Traits</th>
<th>Grain Test</th>
<th>Broken Grower</th>
<th>Traits Yield</th>
<th>Moist weight stalks %</th>
<th>return $/A</th>
<th>Whole Plant</th>
<th>Kernel KMR</th>
<th>SMR</th>
<th>VMR</th>
<th>Crude In Vitro</th>
<th>Protein</th>
<th>ADF NDF Digest NDFD Starch</th>
<th>Starch</th>
<th>Milk 2006 Milk per</th>
<th>Mean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pioneer</td>
<td>38K46</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>bu/A 202</td>
<td>% 22.6</td>
<td>lbs/bu 52.3</td>
<td>% 0</td>
<td>611</td>
<td></td>
<td>$/A 8.3</td>
<td>51.7</td>
<td>28.3</td>
<td>1.4</td>
<td>1.7</td>
<td>1.4</td>
</tr>
<tr>
<td>Mycogen</td>
<td>F2F485</td>
<td>BMR</td>
<td></td>
<td></td>
<td></td>
<td>bu/A 153</td>
<td>% 27.3</td>
<td>lbs/bu 55.8</td>
<td>% 0</td>
<td>449</td>
<td></td>
<td>$/A 7.9</td>
<td>56.9</td>
<td>18.3</td>
<td>0.9</td>
<td>2.3</td>
<td>2.3</td>
</tr>
<tr>
<td>Croplan Genetics</td>
<td>355TS</td>
<td>CB,CR,RR</td>
<td></td>
<td></td>
<td></td>
<td>bu/A 213</td>
<td>% 24.4</td>
<td>lbs/bu 55.0</td>
<td>% 0</td>
<td>634</td>
<td></td>
<td>$/A 8.6</td>
<td>55.5</td>
<td>41.7</td>
<td>2.1</td>
<td>1.8</td>
<td>1.8</td>
</tr>
<tr>
<td>Golden Harvest</td>
<td>H6466CBGT</td>
<td>CB,LL,RR</td>
<td></td>
<td></td>
<td></td>
<td>bu/A 180</td>
<td>% 20.3</td>
<td>lbs/bu 55.7</td>
<td>% 1</td>
<td>550</td>
<td></td>
<td>$/A 8.1</td>
<td>49.2</td>
<td>16.7</td>
<td>0.8</td>
<td>1.4</td>
<td>1.4</td>
</tr>
<tr>
<td>Pioneer</td>
<td>38H65</td>
<td>CB,LL,RR</td>
<td></td>
<td></td>
<td></td>
<td>bu/A 208</td>
<td>% 25.7</td>
<td>lbs/bu 52.3</td>
<td>% 0</td>
<td>615</td>
<td></td>
<td>$/A 8.2</td>
<td>54.9</td>
<td>33.3</td>
<td>1.7</td>
<td>2.2</td>
<td>2.2</td>
</tr>
<tr>
<td>Brown Seed</td>
<td>4989RRLfy</td>
<td>Leafy,RR</td>
<td></td>
<td></td>
<td></td>
<td>bu/A 175</td>
<td>% 28.9</td>
<td>lbs/bu 52.1</td>
<td>% 3</td>
<td>506</td>
<td></td>
<td>$/A 8.7</td>
<td>53.9</td>
<td>40.0</td>
<td>2.0</td>
<td>1.7</td>
<td>1.7</td>
</tr>
<tr>
<td>Mean</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>bu/A 189</td>
<td>% 24.9</td>
<td>lbs/bu 53.9</td>
<td>% 1</td>
<td>561</td>
<td></td>
<td>$/A 8.3</td>
<td>53.7</td>
<td>29.7</td>
<td>1.5</td>
<td>1.9</td>
<td>1.9</td>
</tr>
</tbody>
</table>

| Probability(%)  | Hybrid (H)   | 0.0          | 0.0        | 11.8         | 0.0           | 49.0            | 0.1        | 0.6                        | 0.6       | 9.0 | 1.3 | 0.2            | 4.5     | 6.5                        | 0.3     | 0.0                   | 2.7       |
| LSD(0.10)       | Hybrid (H)   | 13           | 1.8        | NS           | 35            | NS             | 2.4        | 11.0                       | 0.5       | 0.6 | 0.7 | 0.3            | 1.9     | 3.0                        | 1.5     | 1.8                   | 2.9       |
| CV(%)           |              | 5            | 5          | 1            | 188           | 4              | 6          | 3                          | 25        | 25 | 20 | 15             | 3       | 7                          | 5       | 1                     | 2         |

Table C-15. Corn Silage and Grain Evaluation of Hybrids Grown in the Same Plot.
Valders, WI - 2006