Purpose of Study:
To evaluate stand, bloom differences, crop height, yield, test weight, and maturity differences of niger varieties grown in NW MN and compare yield and test weight with a similar experiment conducted in 2003 in Langdon, ND.

Results:
The variety NS031 bloomed earlier, was shorter, and matured earlier but yielded significantly lower than EarlyBird. EarlyBird and FinchGold were not significantly different in yield.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Plants (ft²)</th>
<th>Bloom¹ (%)</th>
<th>Height (inches)</th>
<th>Swathing² (days)</th>
<th>Yield (lb/a)</th>
<th>Test Weight (lb/bu)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EarlyBird</td>
<td>9.1</td>
<td>55.0</td>
<td>47.3</td>
<td>114</td>
<td>356</td>
<td>45.1</td>
</tr>
<tr>
<td>FinchGold</td>
<td>9.1</td>
<td>42.5</td>
<td>48.2</td>
<td>117</td>
<td>283</td>
<td>46.1</td>
</tr>
<tr>
<td>N951</td>
<td>6.7</td>
<td>42.5</td>
<td>54.9</td>
<td>114</td>
<td>243</td>
<td>43.9</td>
</tr>
<tr>
<td>NS031</td>
<td>10.0</td>
<td>91.3</td>
<td>27.0</td>
<td>98</td>
<td>233</td>
<td>43.9</td>
</tr>
<tr>
<td>LSD (0.05)</td>
<td>2.0</td>
<td>6.6</td>
<td>2.1</td>
<td>3</td>
<td>89</td>
<td>0.7</td>
</tr>
</tbody>
</table>

¹ Recorded on July 28, 2003
² Days after planting

Thief River Falls

Langdon, ND

<table>
<thead>
<tr>
<th>Variety</th>
<th>Yield (lb/a)</th>
<th>Test Weight (lb/bu)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EarlyBird</td>
<td>555</td>
<td>43.5</td>
</tr>
<tr>
<td>FinchGold</td>
<td>479</td>
<td>43.5</td>
</tr>
<tr>
<td>N951</td>
<td>373</td>
<td>41.9</td>
</tr>
<tr>
<td>NS031</td>
<td>452</td>
<td>44.6</td>
</tr>
<tr>
<td>LSD (0.05)</td>
<td>NS</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Source: 2003 On-Farm Cropping Trials Northwest and West Central Minnesota
U of MN Extension Service, published January 2004