Entomology Appendix A.: Agronomic and Rainfall Information for Research Sites

Location: St. Thomas (Pembina County), ND – Pete Carson Farm

Plot size: Six 35-ft long rows, 4 center rows treated

Design: Randomized complete block, 4 replicates

Soil name: Glyndon silt loam

Soil test: Organic matter = 2.7%
            pH = 8.1

Soil texture: 37.8% sand 43.2% silt 19% clay

Previous crop: Potatoes - 2012

Soil preparation: Flex-tine packer and harrow

Herbicide: Roundup PowerMAX (32 fl oz/ac) + Veracity (3 qt/100 gal), June 21, 2013
           Roundup PowerMAX (24 fl oz/ac) + Veracity (4 qt/100 gal), July 10, 2013

Planting depth: 1.25"

Rainfall: June 04, 2013 0.22"
          June 05, 2013 0.06"
          June 07, 2013 0.37"
          June 09, 2013 0.11"
          June 14, 2013 0.06"
          June 20, 2013 0.06"
          June 23, 2013 0.51"
          June 25, 2013 1.75"
          June 27, 2013 0.21"
          June 28, 2013 0.12"
          **Total/June** 3.47"
          July 09, 2013 0.45"
          July 12, 2013 0.12"
          July 17, 2013 0.09"
          July 18, 2013 0.31"
          July 21, 2013 0.27"
          July 25, 2013 0.06"
          July 26, 2013 0.16"
          July 29, 2013 0.24"
          **Total/July** 1.70"
          **Total/August** 3.26"
          **Total/September** 0.49"

Damage ratings: August 6, 7, & 8, 2013

Harvest: September 23, 2013

Harvest sample size: 2 center rows x 35' long - 70' total
Location: Hillsboro (Traill County), ND – Glen Hultin Farm

Sugarbeet variety: Seedex Wrangler RR

Plot size: Six rows 35-ft long, 4 center rows treated

Design: Randomized complete block, 4 replicates

Soil name: Bearden-Perella silty clay loam

Soil test: Organic matter = 6.7%
            pH = 7.8

Soil texture: 14.0% sand    46.7% silt    39.3% clay

Previous crop: Wheat - 2012

Soil preparation: Field cultivator – worked twice

Herbicide: Roundup PowerMAX (28 fl oz/ac) + Veracity (4 qt/100 gal), July 13, 2013

Planting depth: 1.25"

Planting date: June 18, 2013

Rainfall:

<table>
<thead>
<tr>
<th>Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 20, 2013</td>
<td>1.96&quot;</td>
</tr>
<tr>
<td>June 23, 2013</td>
<td>0.35&quot;</td>
</tr>
<tr>
<td>June 25, 2013</td>
<td>0.22&quot;</td>
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<tr>
<td>June 26, 2013</td>
<td>1.49&quot;</td>
</tr>
<tr>
<td><strong>Total/June</strong></td>
<td><strong>4.02&quot;</strong></td>
</tr>
<tr>
<td>July 19, 2013</td>
<td>0.02&quot;</td>
</tr>
<tr>
<td>July 26, 2013</td>
<td>0.02&quot;</td>
</tr>
<tr>
<td>July 29, 2013</td>
<td>0.04&quot;</td>
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<tr>
<td><strong>Total/July</strong></td>
<td><strong>0.08&quot;</strong></td>
</tr>
<tr>
<td><strong>Total/August</strong></td>
<td><strong>1.24&quot;</strong></td>
</tr>
<tr>
<td><strong>Total/September</strong></td>
<td><strong>3.13&quot;</strong></td>
</tr>
<tr>
<td><strong>Total/October</strong></td>
<td><strong>2.36&quot;</strong></td>
</tr>
</tbody>
</table>

Harvest: October 25, 2013

Harvest sample size: 2 center rows x 35' long - 70' total