

## 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"
<b>Total/June</b>	<b>3.47"</b>
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"
<b>Total/July</b>	<b>1.70"</b>
<b>Total/August</b>	<b>3.26"</b>
<b>Total/September</b>	<b>0.49"</b>

**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:**

June 20, 2013	1.96"
June 23, 2013	0.35"
June 25, 2013	0.22"
June 26, 2013	1.49"
<b>Total/June</b>	<b>4.02"</b>
July 19, 2013	0.02"
July 26, 2013	0.02"
July 29, 2013	0.04"
<b>Total/July</b>	<b>0.08"</b>
<b>Total/August</b>	<b>1.24"</b>
<b>Total/September</b>	<b>3.13"</b>
<b>Total/October</b>	<b>2.36"</b>

**Harvest:** October 25, 2013

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