

## Entomology Appendix A.: Agronomic, Rainfall, and Plot Maintenance Information

**Location:** St. Thomas (Pembina County), ND – Darryl Collette Farm – *Sugarbeet Root Maggot Trials*

**Seed variety:** **Betaseed 8961**

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

**Design:** Randomized complete block, 4 replications

**Soil name:** Glyndon silt loam

**Soil test:** Organic matter = 3.0%      pH = 8.2

**Soil texture:** 38.8% sand    43.5% silt    17.7% clay

**Previous crop:** Potatoes (2020)

**Soil preparation:** Field cultivator (1x)

**Planting depth:** 1.25"

**Planting date:** May 10-13

**Herbicides applied:** June 17      Cornerstone 5 Plus (24 fl oz/ac) + Class Act NG (2.5% v/v) +  
Interlock (6 fl oz/ac)  
July 1      Cornerstone 5 Plus (22 fl oz/ac) + Class Act NG (2.5% v/v) +  
Interlock (6 fl oz/ac)

**Rainfall**  
(after seedbed  
preparation):

May 14	0.01"
May 20	0.30"
May 22	0.29"
May 29	0.01"
May 30	0.01"
<b>Total/May</b>	<b>0.62"</b>
June 8	0.02"
June 9	0.75"
June 11	0.42"
June 18	0.09"
June 20	0.09"
June 22	0.14"
June 25	0.11"
June 27	0.37"
<b>Total/June</b>	<b>1.99"</b>
July 3	0.64"
July 14	0.08"
July 19	0.72"
<b>Total/July</b>	<b>1.44"</b>
August 4	0.04"
August 9	0.05"
August 20	1.08"
August 22	0.06"
August 24	0.06"
August 26	0.04"
August 27	0.47"
August 28	0.14"

<b>Total/August</b>	<b>1.94"</b>
September 2	0.15"
September 4	0.03"
September 11	0.01"
September 13	0.19"
September 20	0.16"
September 21	0.02"
<b>Total/September</b>	<b>0.56"</b>

**Damage ratings:** August 3-5  
**Harvest:** September 21-22  
**Yield sample size:** 2 center rows x 35 ft length (70 row-ft total)