

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

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

**Sugarbeet Varieties:** SES VanderHave 36812RR, Hilleshög HM100001RR

**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 = 3.1%; pH = 7.9

**Soil Texture:** 40.0% sand      22.5% silt      37.5% clay

**Previous Crop:** Potatoes - 2011

**Soil Preparation:** Field cultivator

**Herbicide:** Roundup PowerMAX (28 fl oz/ac), June 17 & July 12, 2011  
Roundup PowerMAX (28 fl oz/ac) & Headline (9 fl oz/ac), August 05, 2011

**Planting Depth:** 1.25"

|                  |                        |              |
|------------------|------------------------|--------------|
| <b>Rainfall:</b> | May 21, 2011           | 1.50"        |
|                  | May 22, 2011           | 0.16"        |
|                  | May 27, 2011           | 0.44"        |
|                  | May 28, 2011           | 0.05"        |
|                  | May 30, 2011           | 0.72"        |
|                  | May 31, 2011           | 0.10"        |
|                  | <b>Total/May</b>       | <b>2.97"</b> |
|                  | June 02, 2011          | 0.03"        |
|                  | June 03, 2011          | 0.05"        |
|                  | June 05, 2011          | 0.04"        |
|                  | June 07, 2011          | 0.88"        |
|                  | June 13, 2011          | 0.35"        |
|                  | June 15, 2011          | 0.24"        |
|                  | June 17, 2011          | 0.11"        |
|                  | June 21, 2011          | 0.93"        |
|                  | June 22, 2011          | 1.84"        |
|                  | June 26, 2011          | 0.78"        |
|                  | June 27, 2011          | 0.05"        |
|                  | <b>Total/June</b>      | <b>5.30"</b> |
|                  | July 08, 2011          | 0.13"        |
|                  | July 09, 2011          | 0.60"        |
|                  | July 16, 2011          | 0.39"        |
|                  | July 17, 2011          | 0.22"        |
|                  | July 20, 2011          | 0.88"        |
|                  | July 23, 2011          | 0.73"        |
|                  | July 26, 2011          | 0.21"        |
|                  | <b>Total/July</b>      | <b>3.16"</b> |
|                  | <b>Total/August</b>    | <b>1.92"</b> |
|                  | <b>Total/September</b> | <b>3.05"</b> |

**Location:** Forest River (Walsh County), ND – Rod Schanilec Farm

Sugarbeet Varieties: SES VanderHave 36812RR, Hilleshög HM100001RR

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

Design: Randomized complete block, 4 replications

Soil Name: Glyndon Silt Loam

Soil Test: Organic Matter = 4.0%; pH = 7.5

Soil Texture: 28.8% sand 37.5% silt 33.7% clay

Previous Crop: Wheat - 2010

Soil Preparation: Field cultivator

Herbicide: Roundup PowerMAX (28 fl oz/ac), June 16, 2011  
Roundup PowerMAX (28 fl oz/ac) & Headline (9 fl oz/ac), August 05, 2011

Planting Depth: 1.25"

|           |                        |              |
|-----------|------------------------|--------------|
| Rainfall: | May 21, 2011           | 0.65"        |
|           | May 27, 2011           | 0.30"        |
|           | May 30, 2011           | 0.29"        |
|           | <b>Total/May</b>       | <b>1.24"</b> |
|           | June 03, 2011          | 0.14"        |
|           | June 15, 2011          | 0.56"        |
|           | June 21, 2011          | 0.90"        |
|           | June 22, 2011          | 1.15"        |
|           | June 25, 2011          | 0.68"        |
|           | June 27, 2011          | 0.37"        |
|           | <b>Total/June</b>      | <b>3.80"</b> |
|           | July 08, 2011          | 0.50"        |
|           | July 09, 2011          | 0.47"        |
|           | July 15, 2011          | 0.35"        |
|           | July 16, 2011          | 0.47"        |
|           | July 20, 2011          | 0.95"        |
|           | July 23, 2011          | 0.78"        |
|           | July 26, 2011          | 0.32"        |
|           | <b>Total/July</b>      | <b>3.84"</b> |
|           | <b>Total/August</b>    | <b>2.34"</b> |
|           | <b>Total/September</b> | <b>2.47"</b> |