

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

Location: St. Thomas (Pembina County), ND – Wayne Lessard Farm

Sugarbeet variety: Betaseed 89RR83

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 = 3.5%; pH = 7.8

Soil texture: 25.3% sand 55.7% silt 19.0% clay

Previous crop: Potatoes (2014)

Soil preparation: Field cultivator (1x)

Herbicide applications: June 11, 2015 Roundup PowerMAX (32 fl oz/ac) + Veracity (3 qt/100 gal)
July 10, 2015 Roundup PowerMAX (22 fl oz/ac) + Veracity (3 qt/100 gal)

Planting depth: 1.25"

Rainfall (after seedbed preparation):

May 28, 2015	1.27"
Total/May	1.27"
June 01, 2015	0.22"
June 02, 2015	0.33"
June 06, 2015	0.88"
June 07, 2015	0.15"
June 09, 2015	0.06"
June 17, 2015	0.11"
June 18, 2015	0.06"
June 19, 2015	0.13"
June 21, 2015	0.30"
June 24, 2015	0.06"
June 27, 2015	0.53"
Total/June	2.83"
July 02, 2015	0.22"
July 05, 2015	1.59"
July 08, 2015	0.89"
July 12, 2015	0.68"
July 14, 2015	0.56"
July 16, 2015	0.59"
July 17, 2015	0.13"
July 23, 2015	1.20"
July 24, 2015	0.37"
Total/July	6.23"
Total/August	1.64"
Total/September	4.48"

Damage ratings: July 27 & 28, 2015

Harvest date: September 30, 2015

Yield sample size: 2 center rows x 35' length (70' total)

Location: Hillsboro (Traill County), ND – Glen Hultin Farm

Sugarbeet variety: Betaseed
83CN Mini Pellet
83Cn Pro200 Pellet

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

Design: Randomized complete block, 4 replications

Soil name: Bearden – Perella silty clay loams

Soil test: Organic matter = 6.6%; pH = 7.4

Soil texture: 40.5% sand 35.4% silt 24.1% clay

Previous crop: Fallow (2014)

Soil preparation: Harrow packer (1x) and Salford tillage unit (1x)

Herbicide applications: July 10, 2015 Roundup PowerMAX (22 fl oz/ac) + Veracity (3 qt/100 gal)

Planting depth: 1.25"

Planting date: June 11, 2015

Rainfall
(after seedbed
preparation):

June 14, 2015	0.94"
June 16, 2015	0.34"
June 20, 2015	0.54"
June 21, 2015	0.90"
June 22, 2015	0.24"
June 27, 2015	0.09"
Total/June	3.05"
July 05, 2015	0.43"
July 08, 2015	0.16"
July 13, 2015	0.13"
July 17, 2015	0.22"
July 18, 2015	0.17"
July 22, 2015	0.18"
July 23, 2015	0.88"
July 28, 2015	0.40"
Total/July	2.57"
Total/August	1.22"
Total/September	0.71"

Harvest date: October 5, 2015

Yield sample size: 2 center rows x 35 ft length (70 ft total)