

Entomology Appendix A. Research site agronomic and Rainfall Information

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

Sugarbeet variety: Betaseed *All experiments*
89RR83

USDA line *Integrated Control of Sugarbeet Root Maggot test*
& 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: 39.8% sand 38.7% silt 21.5% clay

Previous crop: Potatoes (2013)

Soil preparation: Field cultivator (1x) and harrow (3x)

Herbicide applications: June 17, 2014 Roundup PowerMAX (32 fl oz/ac) + Veracity (3 qt/100 gal)
July 08, 2014 Roundup PowerMAX (32 fl oz/ac) + Veracity (3 qt/100 gal)

Planting depth: 1.25"

Postemergence insecticide trts.: June 06, 2014 Thimet 20G (17 days pre-peak)
June 12, 2014 Thimet and Counter 20G (11 days pre-peak)
June 17, 2014 Lorsban Advanced (6 days pre-peak)

Rainfall (after seedbed preparation):

May 30, 2014	0.33"
Total/May	0.33"
June 02, 2014	0.53"
June 05, 2014	0.64"
June 09, 2014	0.06"
June 11, 2014	0.32"
June 14, 2014	0.63"
June 15, 2014	0.35"
June 19, 2014	1.66"
June 21, 2014	0.11"
June 24, 2014	1.31"
June 27, 2014	1.66"
June 29, 2014	0.23"
June 29, 2014	0.31"
Total/June	7.81"
Total/July	2.14"
Total/August	2.98"
Total/September	1.03"

Damage ratings: August 4, 5, & 6, 2014

Harvest date: September 24, 2014

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