

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

<b>Location:</b>	<b>Walsh County, ND – Hall Farm</b>	
Sugarbeet Variety:	Beta 86RR66	Counter 20G and Thimet test Seed Treatment Study I Seed Treatment or granules plus post options study Postemergence liquids – single vs. split applications study Foliar insecticide/roundup tank-mix trial
	VDH 46519	Thimet timing and rate trial
	VDH 46531	Experimental Seed Treatment Study III
	Hilleshog RR	Experimental Seed Treatment Study II
Plot Size:	Six 35-ft long rows, 4 center rows treated	
Experimental Design:	Randomized complete block, 4 replicates	
Soil Name:	Glyndon Silt Loam	
Soil Test:	Organic Matter = 3%; pH = 8.0	
Previous Crop:	Potatoes - 2008	
Soil Preparation:	Field harrow and cultivator	
Herbicide:	Betanex (12 fl oz/A) + UpBeet (1/4 oz/A) + Stinger (1.3 fl oz/A) + Select Max (6 fl oz/A) + MSO (1.5%), July 1, 2009 Progress (8.7 fl oz/A) + UpBeet (1/4 oz/A) + Select Max (3 fl oz/A) + MSO (1.5%), July 7, 2009	
Planting Depth:	1.25"	
Postemergence Trts.:	June 17, 2009	Thimet; Thimet timing and rate trial (9-day pre-peak)
	June 22, 2009	Thimet; Thimet timing and rate trial (4-day pre-peak) Thimet; Seed treatments or granules plus post options study (4-day pre-peak) Thimet and Counter 20G; Counter 20G and Thimet test (4-day pre-peak)
	June 24, 2009	Lorsban 4E; Thimet timing and rate trial (2-day pre-peak) Lorsban 4E, Vydate, & GF-2153; Seed treatments or granules plus post options study (2-day pre-peak) Lorsban 4E, Vydate, & GF-2153; Postemergence liquids-single vs. split applications study (2-day pre-peak)
	June 25, 2009	Lorsban 4E & Vydate; Foliar insecticide/roundup tank-mix trial
	June 30, 2009	Lorsban 4E; Planting - time liquids study (4-day post-peak) Lorsban 4E & Vydate; Postemergence liquids-single vs. split applications study (4-day post-peak)

Rainfall:	June 04, 2009	0.04"
	June 08, 2009	0.30"
	June 10, 2009	0.14"
	June 12, 2009	0.11"
	June 18, 2009	0.84"
	June 22, 2009	0.08"
	June 26, 2009	2.05"
	June 27, 2009	0.63"
	<b>Total/June</b>	<b>4.19"</b>
	July 04, 2009	0.24"
	July 09, 2009	0.05"
	July 12, 2009	0.13"
	July 14, 2009	0.41"
	July 20, 2009	0.05"
	July 22, 2009	0.06"
	July 23, 2009	0.04"
	July 27, 2009	0.14"
	July 30, 2009	0.23"
	July 31, 2009	0.14"
	<b>Total/July</b>	<b>1.49"</b>
	<b>Total/August</b>	<b>1.47"</b>
	<b>Total/September</b>	<b>2.47"</b>

Harvest Sample Size: 2 center rows x 35' long - 70' total

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

Sugarbeet Variety: Betaseed 86RR66

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

Experimental Design: Randomized complete block, 4 replicates

Soil Name: Silty clay loam

Soil Test: Organic Matter = 3.3 %; pH = 8.1

Previous Crop: Wheat - 2008

Soil Preparation: Field cultivator

Herbicide: Roundup WeatherMax (28fl oz/A), July 8, 2009

Planting Depth: 1.25"

Planting Date: June 02, 2009      Seed treatment test  
Foliar insecticide/roundup tank-mix trial

Rainfall:	June 06, 2008	0.05"
	June 08, 2008	0.39"
	June 12, 2008	0.03"
	June 16, 2008	0.03"
	June 17, 2008	0.13"
	June 19, 2008	0.25"
	June 21, 2008	0.17"
	June 22, 2008	0.03"
	June 26, 2008	1.39"
	June 27, 2008	0.77"
	<b>Total/June</b>	<b>3.24"</b>
	July 09, 2008	0.63"
	July 14, 2008	0.29"
	July 20, 2008	0.36"
	July 29, 2008	0.17"
	July 31, 2008	0.24"
	<b>Total/July</b>	<b>1.69"</b>
	<b>Total/August</b>	<b>3.13"</b>
	<b>Total/September</b>	<b>2.18"</b>

Harvest Sample Size: 2 rows x 35' long - 70' total & 2 center rows x 35' long - 70' total