

SUGARBEET ADVANCEMENT

Partnership
of:



AERATED BEET TRIAL

Sugar Beet Growers
Michigan Sugar Company
Monitor Sugar Company
Michigan State University
Agribusiness

ON-FARM RESEARCH AND DEMONSTRATION

Cooperator: John Burk

Location: Bay County

Planting Date: 5/1/98

Row Spacing: 30-Inch

Previous Crop: Soybeans

Fertilizer: 100-36-175

Replicated: 4 Times for Tonnage Only

Tillage: Conventional

Harvest Date: 10/14/98

Type of Harvester: Arts-Way

of Rows Harvested: 4 # Defoliated: 4

Harvest Speed: 4 MPH

Herbicides: Ro-Neet, Pyramin, Betamix Progress Split

TREATMENT NAME	RWSA	ACTUAL YIELD T/A	RWST	% SUGAR	CJP %	POPULATION 100 FT. ROW			
						10 Day	Before Aeration	After Aeration	Harvest
Not Aerated	2751	13.1	210	14.7	94	--	150	--	136
Aerated	2144	13.4	160	12.1	92	--	149	145	136
AVE.	2448	13.3	185	13.4	93	--	150	--	136
LSD (5%)	--	NS	--	--	--	--	NS	--	NS

Comments: Trial was conducted to evaluate between plant aeration of beets using a mechanical thinner. No significant difference was seen between treatments. Use sugar data with caution because of not being replicated. Field had extreme drought stress all season and was affected by severe Leaf Spot reducing sugar content.

Trial conducted by John Burk, Bay County Extension Office.