



Partnership  
of:

Sugar Beet Growers  
Michigan Sugar Company  
Michigan State University  
Agribusiness

**X-BEET PRIMING TRIAL**

**ON-FARM RESEARCH AND DEMONSTRATION**

<b>Cooperator:</b>	<b>Bean and Beet Research Farm</b>	<b>Tillage:</b>	
<b>Location:</b>	Saginaw County	<b>Harvest Date:</b>	9/26/06
<b>Planting Date:</b>	4/11/06	<b>Variety:</b>	C-963
<b>Previous Crop:</b>	Soybeans	<b>Herbicides:</b>	
<b>Soil Type:</b>	Clay	<b>Replicated:</b>	6x
<b>Row Spacing:</b>	30 Inch	<b># Rows Harvested:</b>	
<b>Fertilizer:</b>		<b>Fungicide:</b>	

TREATMENT	RWSA	TONS PER ACRE	RWST	% SUGAR	% CJP	POPULATION 50 FT. ROW			HARVEST	1200 Ft. RHIZ
						10 DAY	14 DAY	25 DAY		
X-Beet	6982	24.56	284	19.0	95.2	99	119	111	-	-
Check	5458	19.94	274	19.0	94.4	0	16	54	-	-
PAT	5422	19.85	273	18.5	94.1	8	39	53	-	-
<b>AVERAGE</b>	<b>5954</b>	<b>21.45</b>	<b>277</b>	<b>18.8</b>	<b>94.6</b>	<b>36</b>	<b>58</b>	<b>73</b>	<b>-</b>	<b>-</b>
LSD (5%)	889	3.03	10	.4	.7	8	8	10	-	-
C.V. %	12	11	3	1.8	.6	22	13	14	-	-

**Comments:** Trial was conducted to evaluate traditional priming (PAT) to a new priming technique called X-Beet. All seed treated from the same seed lot. Some rainfall occurred after planting causing a tight soil condition that then dried to become very hard. Faster emerging X-Beet was better able to emerge and establish a stand than PAT or standard Check treatments. X-Beet produced a significantly higher tonnage and improved quality. See picture centerfold and graph for complete emergence data.

**Trial Reliability: FAIR**

**Cooperating Agronomist(s): Paul Horny, Dennis Fleishman – Bean and Beet Research Farm**