

Sugar Beet Growers Michigan Sugar Company Michigan State University Agribusiness

### **VARIETY TRIAL**

### ON-FARM RESEARCH AND DEMONSTRATION

**Cooperator:** Cedar Pond Farms Tillage: Fall Chisel – 1x Field Cultivator

Location:Harbor BeachHarvest Date:10/25/06Planting Date:4/17/06Sampled:10/20/06Previous Crop:SoybeansHerbicides:3x Microrate

Soil Type:Sandy LoamReplicated:3xRow Spacing:30 Inch# Rows Harvested:4

Fertilizer: 15 gal. 14-21-0 + Micro Starter Fungicide: Quadris – 2-8 Leaf – Rhizoctonia

40 lbs. N / Applied by N Test Eminent – Supertin - Headline

Fall applied manure

VARIETY	RWSA	TONS	RWST	%	%			1200		
		PER ACRE		SUGAR	CJP	10 DAY	20 DAY	30 DAY	HARVEST	Ft. RHIZ
C-271	9920	34.23	290	18.9	96.7	134	268	276	237	57
B-5451	9879	33.96	291	19.1	96.1	144	250	262	238	68
B-4381 R	9869	34.64	285	18.5	96.7	145	245	259	249	10
C-963	9847	33.72	292	19.1	96.4	124	266	270	248	54
2763 RZ	9829	34.69	283	18.5	96.6	60	273	274	266	88
B-5411 R	9777	33.83	289	19.0	96.2	179	262	264	253	64
B-5833 R	9662	35.06	276	18.2	96.2	183	243	264	251	24
2771 RZ	9524	33.07	287	18.9	96.4	86	296	291	281	49
C-355	9412	33.57	280	18.5	96.0	129	250	259	234	14
7172 RZ	9319	34.27	272	18.1	95.7	91	246	258	241	2
R-442	9294	32.91	283	18.7	95.9	145	232	248	224	56
73 RZ	9057	33.07	274	18.2	95.9	81	156	163	176	60
AVERAGE	9616	33.92	283	18.7	96.2	125	249	257	242	46
LSD (5%)	575	1.87	9	.4	.8	50	32	29	30	72
C.V. (%)	4	3.26	2	1.4	.5	24	8	7	7	93

**Comments: High yield environment.** Trial planted under good soil conditions. Stand establishment was rapid and timely rainfall occurred all season. This was an exceptional looking field with minimal yield constraints. Excellent leafspot control and low levels of Rhizoctonia. Populations were very high with some varieties above optimum levels. Average harvest population was 57,000 plants per acre. VARIETY 73 RZ had a planter plate seed size mismatch that cause a lower population.

Trial Reliability: EXCELLENT

Cooperating Agriculturist(s): Bob Corrigan – Michigan Sugar Company



Sugar Beet Growers Michigan Sugar Company Michigan State University Agribusiness

### **VARIETY TRIAL**

25 gal. N 28%

### ON-FARM RESEARCH AND DEMONSTRATION

**Cooperator:** Knoerr Farms Tillage: Fall Chisel – 1x Field Cultivator

Location:Auburn / Bay CountyHarvest Date:10/30/06Planting Date:4/17/06Sample Date:10/18/06Previous Crop:CornHerbicides:Microrate 3x

Soil Type: Loam Replicated: 3x Row Spacing: 30-Inch / 4.3 Inch Seed Spacing # Rows Harvested: 6

**Fertilizer:** 150 lbs. 13-24-16 **Fungicide:** Quadris – 2-8 Leaf Stage

7/7/06 – Eminent 8/2/06 – SuperTin 9/4/06 - Headline

VARIETY	RWSA	TONS	RWST	%	%			ILATION T. ROW		1200
VARIETY	RWSA	PER ACRE	KWSI	SUGAR	CJP	10 DAY	20 DAY	30 DAY	HARVEST	Ft. RHIZ
R-442	8022	26.38	304	19.9	96.2	123	201	202	192	1
C-271	7675	25.02	307	20.0	96.6	123	204	202	197	15
B-5833 R	7655	25.71	298	19.4	96.6	143	210	211	205	5
B-4381 R	7534	25.15	300	19.5	96.5	127	202	205	207	5
B-5411 R	7366	24.22	304	20.0	96.2	128	205	204	206	2
B-5451	7340	23.56	311	20.3	96.4	106	189	195	191	17
C-963	7336	23.55	312	20.4	96.2	156	230	231	228	43
2763 RZ	7266	24.40	298	19.4	96.5	81	215	216	214	46
7172 RZ	7261	24.35	299	19.6	96.0	77	205	206	210	0
C-355	7219	24.48	295	19.4	96.0	120	195	202	192	9
73 RZ	7177	24.53	292	19.2	96.3	51	183	187	189	4
2771 RZ	6549	21.48	305	19.9	96.5	88	216	220	217	20
AVERAGE	7367	24.40	302	19.8	96.3	110	205	207	204	14
LSD (5%)	648	2	9	.4	NS	22	22	20	NS	23
C.V. (%)	5	5.1	2	1.3	.3	12	6	6	7	3

**Comments: Trial planted in high residue corn stalks.** Field was planted under good soil conditions with excellent emergence. Heavy rainfall occurred after emergence which slowed the growth of beets. Very low amount of Rhizoctonia found in field. Leafspot control was good. Trial looked good all year. There was minimal seedling disease. Harvest population was 35,000 plants per acre.

Trial Reliability: EXCELLENT

Cooperating Agriculturist(s): Rick List – Michigan Sugar Company



Sugar Beet Growers Michigan Sugar Company Michigan State University Agribusiness

### VARIETY TRIAL

### ON-FARM RESEARCH AND DEMONSTRATION

Cooperator: Brian Fox Tillage: Moldboard Plow 1x Field Cult.

Location:Ontario, CanadaHarvest Date:11/14/06Planting Date:4-28-06Sample Date:11/14/06Previous Crop:SoybeansHerbicides:4x Microrate

Soil Type: Clay Loam Replicated: 3x Row Spacing: 30 Inch - 4 3/16 Inch Seed Spacing # Rows Harvested: 6

Fertilizer: 75 lbs. MAP / 10 gal. 28% Banded Fungicide: Headline – Senator + EDBC -

250 lbs. Potash / Side Dress 60 lbs. N Headline

							POPU	LATION		
VARIETY	RWSA	TONS	RWST	%	%		100 F	T. ROW		1200
		PER		SUGAR	CJP	12	21	30		Ft.
		ACRE				DAY	DAY	DAY	HARVEST	RHIZ
B-5833 R	9617	37.50	256	17.7	94.1	202	211	211	186	16
C-355	9437	35.30	267	18.7	93.4	238	224	221	193	2
C-271	9403	35.85	262	18.2	93.7	232	230	215	177	7
73 RZ	9146	35.13	260	18.0	93.8	230	230	198	174	25
2771 RZ	9060	33.10	274	18.8	94.3	226	222	190	159	71
C-963	9033	33.60	269	18.8	93.4	229	232	206	177	36
R-442	8941	33.30	268	18.7	93.5	201	203	175	138	30
B-4381 R	8890	34.43	258	17.8	94.1	121	146	128	117	13
B-5411 R	8810	33.73	261	18.3	93.5	205	196	154	133	19
7172 RZ	8379	34.83	241	17.3	92.2	239	236	220	211	11
B-5451	8173	32.40	252	17.8	93.1	189	196	178	142	55
2763 RZ	8157	31.20	262	18.2	93.8	237	234	219	147	174
AVERAGE	8921	34.20	261	18.2	93.6	212	213	193	163	38
LSD (5%)	934	2.86	12	.5	.8	41	48	54	56	139
C.V. (%)	6	4.9	3	1.8	.5	11	13	17	20	215

**Comments: High Yield Environment.** Emergence was rapid under warm soil conditions. Leaf spot control was good. Some Rhizoctonia Crown Rot was present; however, one replication did have a significant level in some varieties. There was some seedling loss from the 21 to 30 day stand count and further significant stand loss up to harvest for some varieties. Trial was harvested under wet conditions. Average harvest stand was 29,000 plants per acre.

Trial Reliability: VERY GOOD

Cooperating Agriculturist(s): Wayne Martin - Michigan Sugar Company



Partnership of:

Sugar Beet Growers Michigan Sugar Company Michigan State University Agribusiness

Eminent - 2<sup>nd</sup>

### **VARIETY TRIAL**

### ON-FARM RESEARCH AND DEMONSTRATION

**Cooperator:** Bushey Farms Tillage: Fall Chisel – 2x Field Cultivator

Location:ElktonHarvest Date:11/6/06Planting Date:4/26/06Sample Date:10/12/06Previous Crop:CornHerbicides:Microrates 3x

Soil Type: Loam Replicated: 4x Row Spacing: 22 Inch – 4.6 Inch Seed Spacing # Rows Harvested: 8

Fertilizer: 20 gal. 28% Fungicide: GEM – 1<sup>st</sup>

Fall applied Dairy manure

				0.4				LATION		1222
VARIETY	RWSA	TONS	RWST	%	%			T. ROW		1200
		PER		SUGAR	CJP	16	21	34		Ft.
		ACRE				DAY	DAY	DAY	HARVEST	RHIZ
C-963	8002	26.55	302	19.9	96.0	70	121	164	169	14
2763 RZ	7939	27.40	290	18.9	96.6	79	139	172	183	8
C-271	7862	26.53	297	19.5	96.2	65	116	151	153	16
B-5833 R	7674	26.75	287	18.9	96.2	66	117	151	161	1
R-442	7592	26.10	291	19.3	95.8	91	125	139	134	8
73 RZ	7501	25.55	294	19.4	96.0	66	119	150	159	19
B-5451	7482	24.90	301	19.8	96.1	75	116	142	149	6
C-355	7404	25.53	290	19.2	95.8	47	86	150	154	0
B-4381 R	7355	24.80	297	19.4	96.6	69	96	142	164	2
7172 RZ	7196	25.20	286	19.0	95.6	60	90	165	178	0
B-5411 R	7158	24.65	291	19.3	95.8	62	111	137	156	2
2771 RZ	7125	24.27	293	19.3	96.2	58	132	194	204	11
AVERAGE	7524	25.68	293	19.3	96.1	67	114	155	164	7
LSD (5%)	397	1.1	8	.4	.6	NS	43	28	28	NS
C.V. (%)	4	3.0	2	1.3	.4	60	26	13	12	12

**Comments: Trial was slow to emerge.** Field was planted under good soil conditions. Dairy manure was applied in the fall before beet planting. Rhizoctonia and seedling diseases were minimal. Leafspot control was fair to good. Weed control was a problem especially with small canopy beet varieties. Average harvest populations was 39,000 plants per acre.

Trial Reliability: VERY GOOD

Cooperating Agriculturist(s): Roger Elston – Michigan Sugar Company



Sugar Beet Growers Michigan Sugar Company Michigan State University Agribusiness

### Variety Trial

90 lbs. N/ 28%

### ON-FARM RESEARCH AND DEMONSTRATION

Cooperator: Rick Gerstenberger Tillage: Fall Chisel / Field Cult. 2x

Location:SanduskyHarvest Date:11/4/06Planting Date:4/20/06Sample Date:10/26/06Previous Crop:SoybeansHerbicides:Micro Rate 3x

Soil Type: Loam Replicated: 3x Row Spacing: 28 Inch / 4 Inch Seed Spacing # Rows Harvested: 6

Fertilizer: 175 lbs. 15-29-9 + Micros 2x2 Fungicide: Quadris – 2-8 Leaf

Alpine 6-24-6 / 2 gal. IF Eminent - Headline

VARIETY	RWSA	TONS	RWST	%	%			LATION T. ROW		1200
		PER ACRE		SUGAR	CJP	15 DAY	25 DAY	32 DAY	HARVEST	Ft. RHIZ
C-963	6747	25.27	267	18.5	93.8	128	148	142	127	60
B-5451	6745	24.79	273	18.5	94.7	128	103	101	88	43
R-442	6570	25.26	260	17.9	94.0	93	124	127	101	38
B-5833 R	6543	24.64	265	18.1	94.7	110	114	117	104	28
C-355	6473	26.23	247	17.4	93.3	116	97	100	89	28
B-5411 R	6295	24.52	256	17.8	93.9	154	133	131	119	38
2763 RZ	6079	22.83	266	18.1	94.7	151	160	161	131	30
2771 RZ	5833	22.02	265	18.0	94.9	122	132	143	124	55
C-271	5597	22.06	253	17.6	93.7	98	96	92	77	58
B-4381 R	5466	21.82	251	17.2	94.5	118	110	105	96	24
7172 RZ	4558	20.42	223	16.1	92.4	43	51	50	54	3
73 RZ	4460	18.45	242	16.8	94.0	65	71	71	62	55
AVERAGE	5947	23.19	256	17.7	94	111	112	112	98	38
LSD 5%	1053	3.43	20	1	1	32	62	59	51	37
CV %	10	8.7	5	3.4	.7	17	33	31	31	57

Comments: Trial had crusting problems which caused the slow/weak emerging varieties to not establish good stands. Beet seedlings stressed, along with some seedling disease observed. Trial planted under good soil conditions but crusted after heavy rainfall. Rhizoctonia pressure was variable from light to moderate. A low to moderate amount of Aphanomyces scarring was seen on the roots. Cercospora leafspot control was fair to good. Harvest population was approximately 18,700 plants per acre. VARIETY 73 RZ had a planter plate seed size mismatch which caused lower population.

Trial Reliability: FAIR

Cooperating Agriculturist(s): Paul Wheeler – Michigan Sugar Company



Sugar Beet Growers Michigan Sugar Company Michigan State University Agribusiness

## VARIETY TRIAL AVERAGES 2006

### ON-FARM RESEARCH AND DEMONSTRATION

Cooperator: **Average of Five Variety Trials** Tillage: Bay City-Elkton-Ruth-Sandusky-Ontario Location: **Harvest Date:** Planting Date: Sample Date: **Previous Crop:** Herbicides: Soil Type: Replicated: Row Spacing: # Rows Harvested: -Fertilizer: Fungicide:

VARIETY	RWSA	TONS	RWST	%	%			ILATION T. ROW		1200
		PER ACRE		SUGAR	CJP	EARLY	MID	FINAL	HARVEST	Ft. RHIZ
B-5833 R	8230	29.93	276	18.5	95.6	141	179	191	181	15
C-963	8193	28.54	288	19.3	95.2	141	199	203	190	41
C-271	8091	28.74	282	18.8	95.4	130	183	187	168	31
R-442	8084	28.79	281	18.9	95.1	131	177	178	158	27
C-355	7989	29.02	276	18.6	94.9	130	170	186	172	11
B-5451	7924	27.92	286	19.1	95.3	128	171	176	162	38
B-5411 R	7881	28.19	280	18.9	95.1	146	181	178	173	25
2763 RZ	7854	28.10	280	18.6	95.6	122	204	208	188	69
B-4381 R	7823	28.17	278	18.5	95.7	116	160	168	167	11
2771 RZ	7618	26.79	285	19.0	95.7	116	200	208	197	41
73 RZ *	7468	27.35	272	18.3	95.2	99	152	154	152	33
7172 RZ	7343	27.81	264	18.0	94.4	102	166	180	179	3
AVERAGE	7875	28.28	279	18.7	95.3	125	178	185	174	29
LSD (5%)	560	1.15	8	.4	.4	38	27	28	26	28
C.V. (%)	6	5	2	1.8	.3	24	12	12	12	76

**Comments:** \* Variety 73 RZ had a low population in two trials because of planter plate/seed size mismatch.

Trial Reliability: VERY GOOD

Cooperating Agriculturist(s):



Partnership of:

Sugar Beet Growers Michigan Sugar Company Michigan State University Agribusiness

On-Farm Research and Demonstration 2006 Variety Trial Emergence Results

Variety	%	Emergend	e	Suggested Seed
	2004	2005	2006	Spacing / Inch*
7172 RZ	64	53	63	4
73 RZ			58	4 - 4.5
B-4381		54	60	4.5
C-963	66	54	69	4.5
C-271	68	60	69	4.5
R-442	72	58	63	4.5
2763 RZ		62	73	4.5
B-5451	72	59	63	4.5
B-5833		59	66	4.5
2771 RZ		63	74	4.5
C-355			66	4.5
B-5411			63	4.5

Based on Average Emergence Conditions

## On-Farm Research and Demonstration 2006 Rhizoctonia Beets

Variety		ctonia / 1200 Ft.*
	2005	2006
7172 RZ	16*	4*
C-355	-	18*
B-5411 R	-	34*
5833 R	50*	39*
R-442	-	43*
B-4381 RZ	66*	47*
B-5451	76*	58
C-963	80	63
C-271	83	77
2771 RZ	116	58
2763 RZ	132	79
73 RZ	-	89

<sup>\*</sup> Average of 2005-2006 Variety Trials – Not Significantly Different from Best Variety



Sugar Beet Growers Michigan Sugar Company Michigan State University Agribusiness

### NEMATODE TRIAL

### ON-FARM RESEARCH AND DEMONSTRATION

Cooperator: VADER FARMS Tillage: Fall Plow / Spring – Field Cult. 1x

Sample Date:

**Location**: Bay County – Akron **Harvest Date**: 10/16/06

Planting Date: 4/11/06

**Previous Crop:** Wheat with Clover **Herbicides:** Microrated 4x

Soil Type:Heavy LoamReplicated:3:Row Spacing:30 Inch# Rows Harvested:6:

20 gal. 20-11-1 + Mn

135# N Side Dress

Fertilizer: Fall – 40-25-200 Fungicide: Amistar – 2-8 Leaf

Eminent, Headline, Eminent,

Headline

VARIETY	RWSA	TONS PER ACRE	RWST	% SUGAR	% CJP	10 DAY		ILATION T. ROW 30 DAY	HARVEST	1200 Ft. RHIZ
B-5833 R	8610	32.16	267	18.1	95.0					
B-5534 N	8128	32.17	253	17.5	94.0				T N I	
AVERAGE	8369	32.16	260	17.8	94.5		NOT TAKEN			
LSD (5%)	488	1.98	11	.9	.4					
C.V. (%)	2	1.75	1	1.4	.1					

**Comments:** This is a high yielding trial. Trial was conducted to compare B-5534 N, a nematode tolerant variety to B-5833 R, a susceptible variety. **No nematodes were found in the field.** Four spray program gave excellent leafspot control in both varieties. Tonnage yields of both varieties were identical in the absence of nematodes. In the absence of cyst nematodes there is no advantage of planting B-5534 N. Four leafspot sprays were needed to control leafspot; it is susceptible to Rhizoctonia and is a lower quality beet.

Trial Reliability: EXCELLENT

Cooperating Agriculturist(s): Craig Rieman – Michigan Sugar Company



Sugar Beet Growers Michigan Sugar Company Michigan State University Agribusiness

### **NEMATODE TRIAL**

### ON-FARM RESEARCH AND DEMONSTRATION

Cooperator: LAKKE-Ewald Farms Location: Tuscola County

VARIETY	RWSA	TONS PER ACRE	RWST	% SUGAR	% CJP	10 DAY			LATION T. ROW 30 DAY	HARVEST	1200 Ft. RHIZ
B-5534 N	10939	38.13	287	19.5	94.7						
B-5833 R	10415	36.57	285	19.3	94.8			N	IOT TAK	ŒN	
AVERAGE	10677	37.35	286	19.4	94.8		TOT TAILER				
LSD (5%)	1103	.61	29	1.3	1.7						
C.V. (%)	3	.47	3	1.9	.5						

**Comments:** Nematode levels were not high but found on beets and in soil samples. This was a very high yield environment.

Cooperator: Meylan Farms Location: Bay County

VARIETY	RWSA	TONS PER ACRE	RWST	% SUGAR	% CJP	10 DAY		JLATION T. ROW 30 DAY	HARVEST	1200 Ft. RHIZ
B-5534 N	7235	26.6	271	18.5	95.0	DAI	DAI		TIARVEST	KIIIZ
D 000414	7200	20.0		10.0	70.0					
B-5451	6918	24.0	289	19.5	94.5		ľ	NOT TAK	(EN	
AVERAGE	7077	25.3	280	19.0	94.8			1		
LSD (5%)	337	2.0	17	1.7	1.3					
C.V. (%)	1	2.3	2	2.5	.4					

**Comments:** Nematodes were present at moderate to high levels. Variety B-5534 N had severe leafspot that caused burn down and high levels of Rhizoctonia Crown Rot. Variety B-5534 N is a high management variety that needs Quadris for Rhizoctonia Crown Rot control and additional leafspot sprays over standard varieties.



Partnership of:

Sugar Beet Growers Michigan Sugar Company Michigan State University Agribusiness

### X-BEET

### ON-FARM RESEARCH AND DEMONSTRATION

Cooperator: Bernia Family Farms Tillage: Chisel Plow – 1x Danish Tine

Location:AkronHarvest Date:11/14/06Planting Date:4/19/06Sample Date:10/10/06

Variety: C-963 Herbicides: Split Rate Progress Stinger - 2x

Soil Type: Clay Loam Replicated: 4x Row Spacing: 22 Inch – 5.5 Inch Seed Spacing # Rows Harvested: 8

**Fertilizer:** 5 gal. 10-34-0 + 13 gal. 28% N + **Fungicide:** Eminent, Topsin+EDBC,

4 gal. ThioSol + Micro's applied Headline, Quadris applied 2-8

2x2 - 25 gal. 28% Broadcast Leaf stage

VARIETY	RWSA	TONS PER ACRE	RWST	% SUGAR	% CJP	8 DAY		LATION T. ROW 19 DAY	28 DAY	1200 Ft. RHIZ
X-BEET	8599	31.48	273	18.3	95.3	18	105	109	112	-
PAT	6381	26.95	237	16.6	93.5	0	44	54	63	-
CHECK	5816	24.63	236	16.8	93.0	0	25	39	48	-
AVERAGE	6932	27.69	249	17.2	94	6	58	67	74	-
LSD (5%)	609	.83	23	1.2	1.2	3	13	15	14	-
C.V. (%)	5	1.73	5	4.1	.8	27	13	13	11	-

**Comments:** Trial was conducted to compare and evaluate traditional priming (PAT) to a new priming method called X-BEET from GTG. All seed treated was from the same seed lot. Prior to emergence, a heavy rainfall occurred that formed a significant crust. Trial was crust busted with a quad-runner. X-BEET was significantly faster in emerging than traditional PAT on non primed CHECK seed. Faster emerging seed was better able to emerge through the crust before it hardened which produced a significantly higher yield. Low population beets have reduced quality and tonnage.

Trial Reliability: VERY GOOD

Cooperating Agriculturist(s): Craig Rieman – Michigan Sugar Company



# Michigan Sugar Company – 2006 AVERAGE OF THREE YEARS

OFFICIAL VARIETY TRIAL

### **VARIETIES APPROVED FOR THE 2007 GROWING SEASON**

APPROVAL	VARIETY	RWSA	RWST	% Suc	% CJP	T/A	% EMERG	CLS* Rating	NURSERIES			
									RA Root Aphid	RH Rhizoc- tonia	AP Aphano- myces	RZ Rhizo- mania
Fully Approved	Crystal 271	7282	259.5	18.00	93.93	28.05	64.0	3.17	F	Р	E	
	Beta 5451	7189	258.2	17.97	93.79	27.94	65.8	3.17	Е	F	E	
	Crystal 963	7149	256.5	17.91	93.66	27.86	65.5	3.10	Е	F	E	
	Beta 5310	7067	254.3	17.69	93.90	27.81	61.5	2.55	G	Р	E	
	Beta 5411R	7038	254.0	17.96	93.07	27.69	51.7	3.29	F	Р	E	F
	Crystal 355	6897	253.1	17.70	93.62	27.29	61.3	1.60	F	G	E	
	HM 2767	6804	260.3	17.97	94.18	26.09	66.4	2.87	Р	Р	E	
	HM 2763Rz	6772	255.4	17.67	94.11	26.47	66.7	3.43	Е	Р	G	G
	HM 2771Rz	6703	256.9	17.85	93.91	26.11	62.5	2.96	F	Р	E	G
	HM 7172Rz	6691	248.1	17.56	93.13	27.09	57.3	3.03	F	G	F	G
	HM 2761Rz	6662	252.6	17.68	93.56	26.39	61.6	3.24	F	Р	E	G
	SX Prompt	6429	252.2	17.74	93.36	25.49	69.6	3.30	Е	F	E	
Limited Approval	Crystal R442	7121	254.4	17.88	93.35	27.99	56.1	2.94	G	Р	E	F
Plant Thru 2008	Beta 5833R	7145	251.9	17.47	94.08	28.45	66.4	3.59	E	F		G
	MEANS	6925	254.8	17.79	93.69	27.19	62.6	3.02				

<sup>\*</sup> Lower number indicates more resistance.



### Michigan Sugar Company – 2006 Plant to Stand Trials

### **Average of Four Locations in Michigan**

NO	VARIETY	RWSA	RWST	% Suc.	% CJP	T/A	% EMERG
13	Crystal 271	7766	265.9	17.93	95.08	28.84	66.0
1	Crystal 355	7660	264.3	17.87	94.99	28.99	61.0
11	Beta 5833R	7636	256.8	17.39	95.06	29.62	67.4
6	Beta 5310	7579	262.4	17.76	95.04	28.79	61.6
10	SX Prompt	7567	267.6	18.21	94.67	28.35	65.9
9	HM 2761Rz	7519	261.5	17.77	94.82	28.66	59.1
5	Crystal 963	7512	265.5	18.07	94.69	28.27	65.8
3	Beta 5451	7501	262.9	17.82	94.93	28.55	62.6
8	Crystal R442	7449	263.0	17.90	94.66	28.27	58.7
14	Beta 5411R	7412	256.3	17.49	94.67	28.77	54.8
15	HM 2767	7271	269.4	18.08	95.35	26.74	58.5
12	HM 73Rz	7236	263.1	17.81	94.93	27.00	55.9
2	HM 2763Rz	6921	256.8	17.29	95.38	26.83	60.3
7	HM 2771Rz	6849	263.2	17.69	95.34	25.83	55.4
4	HM 7172Rz	6830	247.5	17.17	93.91	27.73	60.7
	LDS (5%)	495	7.9	0.45	0.54	1.77	6.3
	CV	4.7	2.11	1.77	0.40	4.40	7.3
	Mean	7381	261.75	17.75	94.90	28.08	60.9

Comments on Sugarbeet Advancement Variety Trials:

Growers should pay particular attention to the comments associated with each variety trial. Each trial has a particular disease/insect/set of circumstances that allows certain variety strengths and weaknesses to be expressed. For this reason; SBA trials are not averaged together, as a wrong conclusion may be reached. When selecting varieties it is of utmost importance to know the field history of specific diseases, pest and other conditions that warrant specific varieties for specific

**problems / fields.** Be sure to examine all the data from Michigan Sugar Company Variety Trials as a primary source of variety information under more controlled environments.

More Information to Follow

Steve Poindexter Michigan State University Extension

> Sugarbeet Advancement Extension Sugar Beet Educator

MARK YOUR CALANDARS! 2007 Bean and Beet Symposium Tuesday, February 20, 2007

Michigan State University Extension Saginaw County One Tuscola Street Suite 100 Saginaw, MI 48607-1287

NONPROFIT ORG US POSTAGE PAID ITHACA, MI PERMIT #35

