

Michigan Sugar Company
Roundup Ready Strip Trial
 Bauer Farms, Reese, MI - 2008

Trial Quality: Good

Variety	RWSA	RWST	Tons/ Acre	% Suc	% CJP	% Emerg	CLS Rate 0-9*	Rhizoc #/100ft
Crystal RR827	7452	259.5	28.72	17.82	94.32	69.8	3.8	12.8
HM 27RR	7430	247.5	30.06	17.04	94.38	73.3	1.9	3.5
Beta 17RR32	7270	249.3	29.17	17.10	94.50	69.5	3.4	12.6
HM 28RR	7231	237.5	30.43	16.42	94.26	74.0	2.5	4.5
HM 29RR	7075	235.8	30.01	16.42	93.96	70.3	2.1	4.8
LSD 5%	ns	15.2	0.9	0.5	ns	ns	0.4	6.6
CV %	3.7	2.6	2.1	1.9	0.4	8.3	8.3	56.0
Mean	7291.7	245.9	29.7	17.0	94.3	71.4	2.7	7.6

Planted: April 28, 2008

Harvested: September 25, 2005

Quadris: No

Reps: 6

Leafspot Sprays: 2, Beginning mid August. Mix up in who was spraying plot. When we realized it had not been sprayed we made 2 applications late.

3 Applications of Roundup Weather Max at 22 fl oz/A + AMS

* CLS Rate 0-9: Visual Rating Scale, 0 = no disease, 3.5 = Beginning of Leaf Desiccation and 9 = Complete Desiccation. Economic Damage Begins at a CLS Rating of Approximately 3.0.

Summary

High sugar/low disease tolerant Roundup Ready sugarbeet varieties were compared to low sugar/high disease tolerant Roundup Ready sugarbeet varieties in this replicated strip trial. Quadris was not applied to the plots and due to a mistake in communications, leaf spot applications were applied very late. The Rhizoctonia incidence at this location was moderate and the Cercospora infestation was moderate to high. All of the varieties yielded well in this trial and there were no significant differences in RWSA. Crystal RR827 did have the highest quality of this group of varieties.