

Biotech Variety Trial 2006  
Average of 5 Locations  
Sorted by RWSA

No	Variety	RWSA	RWST	% Suc	% CJP	Tons/ Acre	% Emerg	CLS <sup>2</sup> Rating
2	Crystal C9641RR	8087	233.1	16.00	94.65	34.53	51.6	4.74
12	HM 9028RR	7878	243.9	16.78	94.39	32.46	48.2	3.71
7	Crystal C9642RR	7830	261.3	17.72	94.90	30.02	56.4	5.37
5	Beta B5902RR	7806	253.7	17.53	94.01	30.74	54.8	5.52
11	Beta B6904RR	7799	226.2	15.65	94.40	34.59	35.8	4.81
3	HM 9029RR	7732	241.3	16.67	94.26	32.09	43.4	3.79
1	Beta B6905RR	7676	228.8	15.75	94.60	33.79	53.1	4.46
9	HM 9027RR	7632	240.9	16.70	94.11	31.80	48.1	3.60
10	Crystal 963	7469	251.2	17.26	94.35	29.81	56.7	3.17
4	HM E-17	7315	260.9	17.70	94.86	28.10	58.6	3.49
6	HM 9013RR	7314	234.2	16.32	93.87	31.26	48.8	3.92
13	HM 2761Rz	7154	245.1	16.94	94.18	29.07	57.2	3.52
8	SX Prompt	6979	245.7	17.18	93.57	28.43	56.0	3.27
LSD (P=.05)		298.4	6.95	0.39	0.35	1.21	8.27	0.43
CV		3.08	2.23	1.8	0.29	3.02	11.25	7.11
Grand Mean		7590	243.6	16.78	94.32	31.28	51.4	3.73

<sup>2</sup> CLS Rating from Cercospora Nursery Trials

Lower number indicates more resistance.

Quality of Trials: 2 trials were rated very good, 1 was good, 1 was fair-good and 1 was fair.

Purpose: Varieties are submitted to be evaluated for possible approval for sale. We placed the Roundup resistant varieties in a separate trial because they must be destroyed. This trial is planted in six row plots to allow spraying with Roundup and not kill the non-resistant check varieties that are included.

Results: The Roundup resistant varieties produced good tons per acre but are low in recoverable sugar per ton (RWST) and Cercospora leafspot resistance. Only one variety met the requirement for Cercospora resistance and one met the requirement for RWST. Many were very susceptible to Cercospora.