

Table 12. TWO-LOCATION SUMMARY of field performance of **COMMERCIAL RHIZOMANIA RESISTANT** sugarbeet varieties under disease conditions in the Amalgamated Sugar Company trial in Jerome County and the University of Idaho trial at Twin Falls, Idaho, 2003.

VARIETY	Root Yield (T/A)	Sugar Content (%)	Gross Sugar (lbs/A)	Conductivity (mmhos)	Extra-ction (%)	Estimated Recoverable Sugar (lbs/T) (lbs/A)		Tare (%)	2003 Curly Top Ratings ¹
ACH Seeds									
Crystal 217R	32.19	16.19	10337	0.926	82.42	267.3	8531	7.17	5.4
Crystal 9906R	31.25	15.88	9888	0.838	83.54	265.6	8266	7.10	5.5
Betaseed									
Beta 4035R	34.22	15.74	10758	0.896	82.74	260.9	8911	7.21	5.5
Beta 4199R	33.70	16.77	11292	0.834	83.78	281.5	9480	6.81	5.3
Beta 4490R	34.33	16.14	10940	0.890	82.89	268.2	9073	5.78	4.8
Beta 4773R	31.67	15.97	10043	0.855	83.23	266.6	8375	7.78	5.8
Hilleshog/Syngenta									
HM 2980RZ	35.59	16.27	11547	0.853	83.43	271.6	9640	6.07	4.9
HM 2984RZ	30.31	16.14	9754	0.802	84.09	271.8	8212	7.44	3.9
HM 2986RZ	30.58	16.11	9806	0.777	84.42	272.4	8285	7.01	4.2
HM Owyhee ²	25.53	13.45	6797	1.068	79.77	214.9	5436	7.83	3.5
Holly Hybrids- Spreckles									
AcclaimRZ	35.45	15.80	11131	0.985	81.52	258.4	9091	5.00	4.5
EagleRZ	35.06	15.81	11010	0.892	82.81	262.1	9122	6.02	5.1
PhoenixRZ	34.92	15.57	10834	0.931	82.22	256.3	8916	5.25	5.0
Seedex									
SX RaptorRZ	35.15	16.19	11394	0.865	83.28	269.6	9487	5.66	5.7
CurlyTop Susceptible Check									6.8
Curly Top Resistant Check (US 41)									5.1
LSD (0.05)	2.10	0.53	674	0.061	0.01	10.5	584	1.31	
LSD (0.10)	1.76	0.45	565	0.051	0.01	8.8	489	1.10	
CV (%)	9.27	4.88	9.42	10.05	1.60	5.77	9.83	29.00	
Pr>F	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	

When Comparing yields or sugars of two varieties, the values must differ by a value equal to or greater than the LSD (0.05) given at the bottom of each column to be considered statistically different in this test.

¹ Curly Top Ratings: 0 = no curly top symptoms; 9 = plants killed.

² Commercial rhizomania susceptible check variety.