

Table 28
2003 Performance of Rzm Tolerant Varieties - ACSC Coded Test
Averill, MN - Severe Rzm

Description @	Rec/T Code	Rec/A lbs.	Loss lbs.	Rev/T Mol %	Rev/A \$ ++	Sugar %	Yield T/A	Na ppm	K ppm	AmN ppm	Vigor+ Rating	Emerg. %	Bolter %
Beta 4811R(Aph & Rzm)	531	307.4	6396	1.22	37.20	774	16.60	20.74	417	1929	282	59.9	0.00
Beta 4818R(Aph & Rzm)	509	306.5	5615	1.16	36.98	675	16.48	18.40	427	1906	235	58.9	0.00
Beta BX1196(Rzm)	523	314.8	5654	1.06	38.88	700	16.80	17.95	271	1735	260	77.1	0.00
Beta BX1197(4797R Rzm)	517	306.6	6118	1.17	37.00	738	16.49	20.00	391	1931	249	60.9	0.07
Beta BX1198(4898R Rzm)	546	313.8	6399	1.20	38.67	790	16.89	20.42	316	1921	301	75.0	0.00
Beta BX1301(Rhc & Rzm)	501	296.5	7070	1.31	34.69	830	16.14	23.71	369	2016	346	70.3	0.00
Beta BX1303(Rzm)	534	317.0	6635	1.22	39.41	824	17.07	20.94	306	2000	302	59.4	0.00
Beta BX1304(Rzm)	522	304.8	6258	1.21	36.60	751	16.45	20.57	436	2002	243	57.3	0.00
Beta BX1305(Rzm)	549	311.4	7064	1.24	38.12	866	16.81	22.59	336	1876	340	66.7	0.00
Beta BX1306(Rzm)	518	308.3	6633	1.22	37.41	803	16.63	21.57	314	2006	297	62.5	0.00
Beta BX1307(Rzm)	521	305.3	6210	1.31	36.71	747	16.57	20.37	391	1939	358	62.5	0.00
Beta BX1308(Rzm)	537	316.8	5400	1.25	39.35	670	17.09	17.07	409	1944	302	63.0	0.14
Beta BX1309(Rzm)	507	302.2	7112	1.21	35.99	843	16.31	23.67	539	1804	258	72.4	0.00
Beta BX1310(Rzm)	542	307.9	6181	1.24	37.31	749	16.64	19.97	342	2011	303	68.8	0.00
Crystal R207	533	318.1	5748	1.30	39.66	715	17.20	18.14	359	1886	374	68.2	0.00
Crystal R826(Rzm)	510	302.7	5232	1.18	36.12	627	16.31	17.25	487	1897	232	74.5	0.00
Crystal RX301	541	309.4	6642	1.20	37.64	809	16.67	21.46	391	1894	282	64.6	0.00
Crystal RX302	530	303.6	6533	1.22	36.31	778	16.40	21.67	433	1902	280	65.1	0.00
Crystal RX303	508	316.1	5766	1.25	39.20	715	17.06	18.19	287	1995	337	57.8	0.00
Crystal RX304	550	311.6	6522	1.25	38.15	799	16.83	20.87	344	2049	301	58.3	0.00
Crystal RX305	519	321.6	5840	1.23	40.45	734	17.31	18.22	330	1892	330	56.3	0.00
Crystal RX306	511	307.5	6320	1.19	37.20	763	16.56	20.67	456	1857	259	61.5	0.07
Crystal RX307	547	303.8	5796	1.18	36.36	695	16.37	19.02	452	1862	254	61.5	0.00
Crystal RX308	532	303.3	5561	1.18	36.25	666	16.34	18.40	423	1921	248	60.9	0.00
Hilleshog 2411Rz	506	329.6	6202	1.17	42.31	794	17.65	18.94	338	1808	298	65.1	0.00
Hilleshog 2433Rz	528	323.7	5935	1.23	40.93	749	17.41	18.44	372	1829	327	62.5	0.00
Hilleshog 2463Rz(7163 Aph)	515	315.9	6484	1.18	39.16	804	16.98	20.42	405	1847	277	69.8	0.00
Hilleshog 2467(7167 Rz)	536	327.5	6862	1.16	41.81	878	17.54	20.88	331	1838	294	79.2	0.00
Hilleshog 2468(7168 Rz)	520	325.1	6241	1.23	41.27	791	17.48	19.26	384	1876	313	70.3	0.00
Hilleshog 2469(7169 Rz Aph)	539	303.6	6298	1.27	36.32	754	16.45	20.69	496	1980	276	79.7	0.00
Hilleshog 2480(7180 Rz)	527	321.2	6362	1.13	40.36	800	17.19	19.80	352	1690	299	72.4	0.00
Hilleshog 7172Rz	503	314.1	6120	1.19	38.74	753	16.89	19.59	371	1844	292	68.8	0.00
Hilleshog 7193Rz	545	315.8	6575	1.19	39.12	811	16.97	20.92	461	1710	297	64.6	0.00
Hilleshog 7194Rz	514	312.1	6912	1.26	38.27	847	16.87	22.18	400	1995	302	67.2	0.00
Hilleshog 7196Rz(Aph)	543	318.4	6854	1.16	39.71	854	17.08	21.54	358	1784	297	72.9	0.00
Hilleshog 7197Rz	535	299.3	6458	1.21	35.33	764	16.18	21.49	435	1926	268	73.4	0.00
Hilleshog 7202Rz(Aph)	512	308.7	7007	1.31	37.49	849	16.74	22.72	486	1931	321	72.4	0.00
Hilleshog 7203Rz(Aph)	538	313.7	6263	1.25	38.64	771	16.94	20.02	360	1976	314	75.5	0.00
Holly 03HX317	525	317.9	6762	1.07	39.60	843	16.96	21.27	299	1749	257	81.8	0.00
Holly 03HX331	540	286.1	3678	1.19	32.30	420	15.50	12.77	433	1997	235	70.3	0.00
Holly 03HX364	529	325.4	5713	1.03	41.32	726	17.30	17.53	263	1754	238	64.1	0.00
Seedex SX0822(Aph & Rzm)	504	327.5	5745	1.02	41.82	733	17.40	17.50	241	1755	240	59.9	0.00
Seedex SX0828(Aph & Rzm)	548	302.9	4783	1.11	36.16	570	16.26	15.79	316	1870	251	74.0	0.00
Seedex SX0831(Aph & Rzm)	513	332.5	5986	1.05	42.97	775	17.68	18.05	261	1751	253	62.5	0.00
Van der Have H461177(Aph & Rzm)	551	322.5	5758	1.13	40.66	725	17.25	17.85	274	1896	270	58.9	0.00
Van der Have H46519(Rzm)	524	319.3	7276	1.19	39.92	910	17.15	22.72	314	1879	306	76.6	0.00
Van der Have H46522(Aph&Rzm&Rhc)	505	321.1	6584	1.14	40.34	826	17.19	20.51	247	1797	316	65.1	0.00
Van der Have H47150(Rzm)	544	318.9	6214	1.11	39.83	776	17.05	19.45	246	1827	281	63.0	0.00
Van der Have H47151(Rzm&Aph)	516	323.8	5631	1.04	40.96	713	17.22	17.40	243	1779	244	55.7	0.00
Van der Have H66726(Rzm)	526	300.6	4980	1.09	35.62	590	16.12	16.57	391	1788	230	77.6	0.00
Van der Have H66733(Rzm & Aph)	502	325.9	5782	0.99	41.44	734	17.28	17.79	196	1738	232	60.4	0.00
Filler#10	552	291.9	4712	1.31	33.63	541	15.90	16.18	391	2131	304	65.6	0.00
Susc 3N - Mod Aph	553	294.6	4080	1.15	34.25	472	15.88	13.83	454	1874	226	68.2	0.00
Very Susc 2N - Aph Tol	554	270.9	2094	1.13	28.79	226	14.67	7.67	441	1854	223	77.1	0.00
Susc 3N - Aph Tol	555	289.2	4702	1.13	33.01	534	15.59	16.24	450	1814	229	74.5	0.00
Susc 2N - Mod Aph	556	279.2	3074	1.15	30.70	335	15.11	11.08	508	1744	242	78.1	0.00
Check Mean		310.6	5943	1.18	37.94	727	16.71	19.09	370	1879	281	67.3	
Coeff. of Var. (%)		2.4	6	4.57	4.53	7	2.14	5.73	15	4	8	14.6	
F Value		14.9	40	10.59	14.90	33	15.55	39.69	11	11	13	3.0	
Mean LSD (0.05)		9.2	440	0.07	2.11	65	0.44	1.32	68	81	29	11.2	
Mean LSD (0.01)		12.1	580	0.09	2.78	85	0.58	1.73	90	107	38	14.8	

+ Vigor not collected.

Created 11-06-03.

@ Some varieties not approved for sale. Refer to approval list for approval status.

Trial # = 038671

++ Revenue estimates are based on a \$40.09 beet payment at 17.5 % sugar and 1.5 % loss to molasses. Revenue does not consider hauling costs.

Moderate to severe Aphanomyces.