

Table 30
2003 Performance of Rzm Tolerant Varieties - ACSC Coded Test
Gentilly, MN - Slight 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	325.3	8711	1.21	41.31	1104	17.47	26.84	214	1861	365	67.4	0.00
Beta 4818R(Aph & Rzm)	509	344.0	9420	1.12	45.61	1250	18.33	27.41	189	1827	319	62.0	0.00
Beta BX1196(Rzm)	523	332.7	9308	1.08	43.02	1206	17.72	28.00	181	1615	344	77.4	0.00
Beta BX1197(4797R Rzm)	517	343.0	9225	1.25	45.37	1217	18.39	26.95	180	1892	397	61.9	0.00
Beta BX1198(4898R Rzm)	546	332.8	8922	1.20	43.03	1149	17.84	26.95	218	1856	357	72.2	0.00
Beta BX1301(Rhc & Rzm)	501	309.7	9076	1.36	37.73	1099	16.85	29.49	210	1969	455	66.9	0.00
Beta BX1303(Rzm)	534	328.5	8736	1.32	42.04	1119	17.75	26.59	201	1989	423	58.4	0.00
Beta BX1304(Rzm)	522	347.9	9416	1.20	46.51	1256	18.60	27.06	192	1940	347	58.9	0.07
Beta BX1305(Rzm)	549	323.5	9363	1.28	40.89	1182	17.45	28.98	188	1882	421	65.3	0.00
Beta BX1306(Rzm)	518	311.2	9068	1.24	38.07	1106	16.80	29.17	196	1885	387	63.1	0.00
Beta BX1307(Rzm)	521	310.8	8702	1.37	37.97	1062	16.91	28.11	239	1944	459	71.2	0.00
Beta BX1308(Rzm)	537	325.4	8180	1.23	41.33	1038	17.50	25.22	273	1866	360	58.2	0.00
Beta BX1309(Rzm)	507	315.5	9140	1.36	39.06	1128	17.14	29.16	395	1917	400	68.4	0.00
Beta BX1310(Rzm)	542	321.9	8375	1.28	40.52	1057	17.38	25.96	193	1975	400	71.0	0.00
Crystal R207	533	341.1	8235	1.37	44.95	1077	18.43	24.34	224	1936	469	68.9	0.00
Crystal R826(Rzm)	510	344.2	8668	1.16	45.66	1149	18.37	25.16	240	1833	322	85.1	0.00
Crystal RX301	541	324.2	9075	1.18	41.06	1151	17.39	28.01	275	1827	331	60.2	0.07
Crystal RX302	530	313.4	8712	1.16	38.57	1073	16.83	27.80	281	1722	342	66.6	0.00
Crystal RX303	508	324.7	8630	1.26	41.17	1090	17.49	26.59	164	1986	390	70.8	0.00
Crystal RX304	550	325.0	8779	1.28	41.24	1115	17.53	27.05	219	1942	396	69.5	0.00
Crystal RX305	519	330.7	9172	1.26	42.56	1186	17.80	27.63	169	1911	405	68.1	0.00
Crystal RX306	511	337.7	9044	1.21	44.17	1182	18.10	26.79	199	1826	379	60.2	0.00
Crystal RX307	547	343.7	8923	1.23	45.55	1182	18.42	25.94	252	1831	376	58.3	0.00
Crystal RX308	532	349.7	9602	1.13	46.91	1286	18.61	27.51	160	1820	331	66.1	0.00
Hilleshog 2411Rz	506	341.4	8807	1.16	45.00	1161	18.23	25.79	208	1723	369	69.7	0.00
Hilleshog 2433Rz	528	340.7	7928	1.19	44.86	1038	18.23	23.49	194	1822	368	66.9	0.00
Hilleshog 2463Rz(7163 Aph)	515	330.4	8678	1.27	42.49	1110	17.78	26.31	308	1830	380	57.5	0.00
Hilleshog 2467(7167 Rz)	536	342.6	8928	1.23	45.29	1177	18.36	26.19	228	1871	372	75.0	0.00
Hilleshog 2468(7168 Rz)	520	337.7	8328	1.33	44.15	1091	18.21	24.60	248	1974	418	66.9	0.00
Hilleshog 2469(7169 Rz Aph)	539	328.9	9090	1.23	42.13	1161	17.67	27.76	224	1900	367	67.1	0.00
Hilleshog 2480(7180 Rz)	527	333.5	9209	1.17	43.19	1193	17.85	27.56	228	1649	389	73.2	0.00
Hilleshog 7172Rz	503	336.9	8575	1.12	43.97	1112	17.96	25.66	200	1839	305	70.4	0.00
Hilleshog 7193Rz	545	322.4	9105	1.14	40.65	1144	17.26	28.24	290	1612	347	71.9	0.00
Hilleshog 7194Rz	514	331.6	9490	1.21	42.76	1221	17.79	28.73	232	1846	361	82.3	0.00
Hilleshog 7196Rz(Aph)	543	325.9	9697	1.25	41.45	1229	17.55	29.84	272	1760	402	67.9	0.00
Hilleshog 7197Rz	535	327.6	9426	1.14	41.84	1200	17.51	28.82	208	1850	313	76.9	0.00
Hilleshog 7202Rz(Aph)	512	323.6	9506	1.36	40.93	1181	17.53	29.84	357	1903	414	77.3	0.00
Hilleshog 7203Rz(Aph)	538	338.5	8758	1.33	44.35	1144	18.26	26.00	217	1907	445	68.6	0.00
Holly 03HX317	525	334.2	9771	1.02	43.36	1269	17.73	29.22	151	1635	303	77.5	0.00
Holly 03HX331	540	320.1	9038	1.17	40.11	1125	17.17	28.31	253	1837	324	81.9	0.00
Holly 03HX364	529	333.6	8799	1.10	43.22	1142	17.79	26.39	175	1785	320	62.4	0.00
Seedex SX0822(Aph & Rzm)	504	337.3	8651	1.06	44.06	1129	17.93	25.72	158	1814	286	51.4	0.00
Seedex SX0828(Aph & Rzm)	548	340.1	8538	1.15	44.71	1120	18.14	25.04	148	1871	335	72.3	0.00
Seedex SX0831(Aph & Rzm)	513	342.8	8836	1.03	45.33	1172	18.17	25.73	185	1634	299	58.2	0.00
Van der Have H46177(Aph & Rzm)	551	338.4	8854	1.14	44.33	1160	18.06	26.24	172	1873	322	68.9	0.00
Van der Have H46519(Rzm)	524	318.6	9310	1.26	39.77	1162	17.19	29.24	207	1793	422	77.8	0.00
Van der Have H46522(Aph&Rzm&Rhc)	505	322.8	8632	1.14	40.72	1089	17.28	26.78	140	1720	375	55.4	0.00
Van der Have H47150(Rzm)	544	325.6	9212	1.15	41.37	1169	17.42	28.32	160	1746	366	60.6	0.00
Van der Have H47151(Rzm&Aph)	516	348.4	9119	1.03	46.62	1217	18.44	26.19	142	1725	282	50.9	0.00
Van der Have H66726(Rzm)	526	338.7	8909	1.08	44.39	1170	18.02	26.28	190	1745	308	77.3	0.00
Van der Have H66733(Rzm & Aph)	502	347.3	8901	1.00	46.37	1189	18.37	25.66	125	1699	283	58.7	0.07
Filler#10	552	316.9	7681	1.26	39.38	955	17.11	24.30	161	2052	374	86.7	0.00
Susc 3N - Mod Aph	553	348.7	8713	1.15	46.69	1163	18.58	25.05	212	1808	331	65.4	0.00
Very Susc 2N - Aph Tol	554	326.0	7028	1.13	41.47	897	17.44	21.56	180	1867	318	83.8	0.00
Susc 3N - Aph Tol	555	338.5	9144	1.12	44.34	1199	18.05	27.03	194	1695	349	80.6	0.00
Susc 2N - Mod Aph	556	332.1	8520	1.25	42.88	1102	17.86	25.70	220	1811	405	75.6	0.00
Check Mean		331.8	8887	1.20	42.79	1144	17.79	26.86	211	1833	365	68.4	
Coeff. of Var. (%)		3.1	5	8.08	5.60	6	2.58	5.25	29	5	14	14.8	
F Value		5.4	7	4.81	5.40	6	6.07	7.65	4	8	4	3.9	
Mean LSD (0.05)		12.7	517	0.12	2.93	83	0.56	1.73	73	99	64	12.0	
Mean LSD (0.01)		16.8	682	0.15	3.86	109	0.74	2.28	97	130	85	15.8	

+ Vigor not collected.

Created 11-06-03.

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

Trial # = 038675

++ 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.