

Table 33
2003 Performance of Rzm Tolerant Varieties - ACSC Coded Test
Glyndon MN - Moderate Rzm

Description @	Rec/T Code	Rec/A lbs.	Loss lbs.	Rev/T Mol %	Rev/A \$ ++	Sugar \$ ++	Yield %	Na T/A	K ppm	AmN ppm	Vigor+ Rating	Emerg. %	Bolter %
Beta 4811R(Aph & Rzm)	531	321.8	6053	1.21	40.50	762	17.30	18.80	341	1727	355	64.2	0.00
Beta 4818R(Aph & Rzm)	509	331.8	5980	1.14	42.79	770	17.73	18.06	379	1698	298	64.1	0.00
Beta BX1196(Rzm)	523	323.7	5260	1.16	40.93	668	17.34	16.18	296	1730	326	82.7	0.00
Beta BX1197(4797R Rzm)	517	330.0	5975	1.19	42.40	768	17.69	18.07	332	1796	323	60.0	0.00
Beta BX1198(4898R Rzm)	546	328.6	5673	1.17	42.07	724	17.60	17.33	293	1794	325	75.1	0.00
Beta BX1301(Rhc & Rzm)	501	309.9	7278	1.33	37.76	887	16.82	23.48	312	1898	412	79.0	0.00
Beta BX1303(Rzm)	534	316.5	6061	1.19	39.28	750	17.02	19.24	263	1801	350	65.6	0.00
Beta BX1304(Rzm)	522	338.1	6534	1.20	44.24	854	18.10	19.35	314	1773	345	56.1	0.00
Beta BX1305(Rzm)	549	315.4	7074	1.33	39.02	876	17.09	22.42	324	1844	418	67.0	0.00
Beta BX1306(Rzm)	518	297.6	5981	1.26	34.93	702	16.14	20.11	339	1885	352	76.7	0.00
Beta BX1307(Rzm)	521	297.3	6200	1.38	34.86	725	16.24	20.93	383	1913	422	77.1	0.00
Beta BX1308(Rzm)	537	333.1	5798	1.22	43.11	751	17.87	17.37	344	1817	337	57.0	0.00
Beta BX1309(Rzm)	507	303.6	5748	1.27	36.31	685	16.45	19.02	588	1757	308	80.1	0.00
Beta BX1310(Rzm)	542	322.6	5929	1.24	40.69	748	17.38	18.37	285	1930	349	78.2	0.00
Crystal R207	533	333.0	5122	1.32	43.07	663	17.97	15.37	276	1802	443	77.9	0.00
Crystal R826(Rzm)	510	336.5	5605	1.17	43.87	730	17.99	16.68	355	1746	313	82.3	0.00
Crystal RX301	541	308.1	5250	1.32	37.35	635	16.72	17.06	526	1763	362	72.7	0.00
Crystal RX302	530	313.1	6324	1.18	38.51	777	16.83	20.23	356	1768	313	71.9	0.00
Crystal RX303	508	313.9	5180	1.19	38.69	638	16.88	16.51	272	1803	341	71.5	0.07
Crystal RX304	550	314.0	5495	1.25	38.70	679	16.95	17.43	302	1897	359	60.2	0.07
Crystal RX305	519	328.2	5578	1.25	41.98	715	17.66	16.95	280	1805	381	69.7	0.00
Crystal RX306	511	326.4	6656	1.25	41.55	847	17.57	20.43	367	1746	370	66.2	0.00
Crystal RX307	547	339.0	6087	1.19	44.46	799	18.14	17.95	340	1673	348	75.3	0.00
Crystal RX308	532	335.4	6054	1.14	43.62	788	17.91	18.04	281	1749	317	70.2	0.00
Hilleshog 2411Rz	506	335.2	5558	1.25	43.58	723	18.01	16.58	362	1763	366	71.5	0.00
Hilleshog 2433Rz	528	328.3	5004	1.19	42.00	640	17.61	15.25	320	1728	350	78.2	0.00
Hilleshog 2463Rz(7163 Aph)	515	333.2	6122	1.14	43.12	792	17.80	18.38	357	1702	300	77.6	0.00
Hilleshog 2467(7167 Rz)	536	343.5	6302	1.14	45.48	834	18.31	18.36	275	1716	324	85.8	0.00
Hilleshog 2468(7168 Rz)	520	332.2	4128	1.33	42.90	533	17.94	12.44	406	1952	362	77.5	0.00
Hilleshog 2469(7169 Rz Aph)	539	311.7	5845	1.20	38.19	714	16.79	18.79	450	1793	293	80.7	0.00
Hilleshog 2480(7180 Rz)	527	326.2	6169	1.17	41.52	785	17.48	18.93	349	1598	358	72.9	0.00
Hilleshog 7172Rz	503	326.5	5808	1.15	41.58	738	17.48	17.83	373	1700	307	78.8	0.00
Hilleshog 7193Rz	545	316.6	6102	1.23	39.32	758	17.06	19.26	529	1613	326	82.7	0.00
Hilleshog 7194Rz	514	316.1	5378	1.33	39.19	666	17.14	17.03	452	1941	355	74.5	0.00
Hilleshog 7196Rz(Aph)	543	320.2	6227	1.21	40.14	779	17.22	19.51	403	1667	341	76.6	0.00
Hilleshog 7197Rz	535	315.5	6344	1.20	39.05	787	16.97	20.06	421	1800	294	83.2	0.00
Hilleshog 7202Rz(Aph)	512	324.0	5586	1.24	41.02	708	17.45	17.20	354	1791	358	79.5	0.00
Hilleshog 7203Rz(Aph)	538	331.6	5030	1.34	42.77	649	17.92	15.17	335	2017	379	81.9	0.00
Holly 03HX317	525	326.0	6617	1.11	41.47	840	17.41	20.35	293	1661	313	87.7	0.00
Holly 03HX331	540	319.4	4834	1.13	39.96	611	17.10	14.97	302	1765	289	84.2	0.00
Holly 03HX364	529	335.1	5534	1.05	43.57	719	17.80	16.51	259	1644	280	69.0	0.00
Seedex SX0822(Aph & Rzm)	504	338.2	5540	1.03	44.27	725	17.93	16.36	254	1590	276	58.5	0.00
Seedex SX0828(Aph & Rzm)	548	335.9	5238	1.10	43.75	682	17.90	15.59	257	1710	304	71.1	0.00
Seedex SX0831(Aph & Rzm)	513	340.0	6128	1.05	44.69	806	18.05	18.01	276	1583	293	71.5	0.00
Van der Have H46177(Aph & Rzm)	551	338.5	5750	1.12	44.34	753	18.03	17.00	201	1733	328	69.1	0.00
Van der Have H46519(Rzm)	524	317.9	7125	1.20	39.60	886	17.09	22.47	300	1731	354	85.0	0.00
Van der Have H46522(Aph&Rzm&Rhc)	505	319.8	6355	1.16	40.05	796	17.16	19.88	249	1704	361	61.6	0.00
Van der Have H47150(Rzm)	544	325.8	5941	1.11	41.43	756	17.40	18.21	244	1728	310	64.6	0.00
Van der Have H47151(Rzm&Aph)	516	340.7	5686	1.01	44.85	749	18.04	16.68	195	1600	280	55.4	0.00
Van der Have H66726(Rzm)	526	327.3	4941	1.08	41.77	633	17.45	15.04	316	1687	277	75.5	0.00
Van der Have H66733(Rzm & Aph)	502	334.1	5687	1.02	43.33	738	17.72	17.01	247	1623	271	67.8	0.07
Filler#10	552	295.4	4361	1.43	34.44	506	16.21	14.84	398	2128	399	78.3	0.00
Susc 3N - Mod Aph	553	328.3	5251	1.25	41.99	672	17.66	15.98	409	1798	343	72.3	0.00
Very Susc 2N - Aph Tol	554	307.7	3966	1.08	37.26	483	16.46	12.82	379	1681	251	82.9	0.00
Susc 3N - Aph Tol	555	322.3	4973	1.16	40.61	631	17.28	15.29	386	1731	303	70.1	0.00
Susc 2N - Mod Aph	556	313.0	3882	1.20	38.48	480	16.86	12.30	395	1719	335	82.0	0.00
Check Mean		324.0	5720	1.20	41.01	723	17.39	17.67	337	1763	335	73.4	
Coeff. of Var. (%)		2.8	8.9	5.6	5.1	9.8	2.4	8.7	18.0	5.3	8.3	11.5	
F Value		8.5	10.4	10.4	8.5	9.0	8.3	12.1	8.7	7.2	11.1	5.5	
Mean LSD (0.05)		11.1	624	0.08	2.54	86	0.52	1.87	74	114	34	9.8	
Mean LSD (0.01)		14.6	822	0.11	3.35	114	0.68	2.47	97	150	45	12.9	

+ Vigor not collected.

Created 11-06-03.

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

Trial # = 038673

++ 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.

Severe Aphanomyces.