

Table 34
2003 Performance of Rzm Tolerant Varieties - ACSC Coded Test
Moderate Rhizomania Symptoms - Glyndon MN & Crookston MN.

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	316.7	5267	1.25	39.33	655	17.09	16.59	330	1774	381	75.4	0.00
Beta 4818R(Aph & Rzm)	509	325.3	5045	1.23	41.31	641	17.49	15.49	358	1762	349	71.8	0.00
Beta BX1196(Rzm)	523	321.2	4689	1.18	40.36	592	17.24	14.54	277	1707	357	84.1	0.00
Beta BX1197(4797R Rzm)	517	325.6	5159	1.27	41.38	657	17.55	15.79	328	1838	375	78.4	0.00
Beta BX1198(4898R Rzm)	546	321.0	4974	1.25	40.33	624	17.30	15.51	309	1819	370	83.0	0.00
Beta BX1301(Rhc & Rzm)	501	299.1	6225	1.43	35.29	737	16.39	20.72	322	1956	473	87.7	0.00
Beta BX1303(Rzm)	534	312.6	5150	1.33	38.38	632	16.96	16.50	286	1861	432	72.8	0.04
Beta BX1304(Rzm)	522	331.0	5570	1.29	42.61	718	17.85	16.80	319	1824	402	65.7	0.00
Beta BX1305(Rzm)	549	312.8	6323	1.38	38.43	777	17.01	20.22	312	1839	464	77.1	0.00
Beta BX1306(Rzm)	518	298.5	5479	1.35	35.15	645	16.27	18.37	335	1892	421	84.8	0.00
Beta BX1307(Rzm)	521	291.7	5254	1.53	33.57	605	16.11	18.01	395	1921	529	81.2	0.00
Beta BX1308(Rzm)	537	327.3	4920	1.27	41.76	629	17.63	15.01	350	1795	379	78.9	0.00
Beta BX1309(Rzm)	507	304.2	5601	1.34	36.46	671	16.55	18.41	530	1798	362	90.4	0.00
Beta BX1310(Rzm)	542	318.5	5155	1.34	39.75	644	17.27	16.16	291	1908	426	85.2	0.00
Crystal R207	533	324.2	4540	1.43	41.06	577	17.65	13.92	296	1862	506	85.6	0.00
Crystal R826(Rzm)	510	329.7	4657	1.25	42.31	599	17.74	14.09	354	1787	367	88.6	0.00
Crystal RX301	541	309.4	4742	1.33	37.66	577	16.80	15.34	438	1747	406	78.5	0.00
Crystal RX302	530	308.4	5411	1.24	37.41	657	16.66	17.54	357	1756	367	76.6	0.00
Crystal RX303	508	311.0	4718	1.27	38.01	576	16.82	15.19	276	1805	409	78.9	0.04
Crystal RX304	550	311.0	4962	1.35	38.01	608	16.90	15.91	306	1885	438	68.3	0.04
Crystal RX305	519	324.1	5144	1.29	41.04	654	17.50	15.79	271	1833	415	76.9	0.04
Crystal RX306	511	325.1	5563	1.29	41.25	706	17.54	17.12	352	1782	396	74.8	0.00
Crystal RX307	547	332.1	5269	1.29	42.88	682	17.89	15.83	349	1746	404	80.6	0.00
Crystal RX308	532	326.0	5281	1.25	41.47	675	17.56	16.10	294	1792	387	78.8	0.00
Hilleshog 2411Rz	506	331.2	5057	1.31	42.66	651	17.86	15.29	352	1714	429	77.5	0.00
Hilleshog 2433Rz	528	326.2	4566	1.25	41.52	581	17.56	13.99	337	1734	382	84.1	0.00
Hilleshog 2463Rz(7163 Aph)	515	324.5	4985	1.22	41.12	634	17.45	15.27	372	1748	346	84.2	0.00
Hilleshog 2467(7167 Rz)	536	334.0	5413	1.24	43.31	704	17.94	16.15	328	1781	368	89.4	0.00
Hilleshog 2468(7168 Rz)	520	330.0	4059	1.35	42.38	521	17.85	12.30	380	1883	406	83.0	0.00
Hilleshog 2469(7169 Rz Aph)	539	312.6	5168	1.26	38.38	633	16.89	16.59	405	1858	334	84.1	0.00
Hilleshog 2480(7180 Rz)	527	321.2	5420	1.26	40.36	683	17.31	16.84	353	1590	422	81.9	0.00
Hilleshog 7172Rz	503	321.7	5167	1.23	40.47	651	17.31	16.05	363	1748	354	86.7	0.00
Hilleshog 7193Rz	545	317.7	5239	1.26	39.57	651	17.14	16.51	477	1599	373	89.0	0.00
Hilleshog 7194Rz	514	316.6	5104	1.36	39.30	633	17.19	16.15	429	1905	391	84.0	0.00
Hilleshog 7196Rz(Aph)	543	318.4	5438	1.30	39.71	678	17.22	17.11	392	1708	406	84.1	0.00
Hilleshog 7197Rz	535	314.7	5650	1.22	38.86	699	16.95	17.93	384	1814	324	88.5	0.00
Hilleshog 7202Rz(Aph)	512	318.7	5092	1.36	39.79	636	17.29	15.97	410	1803	421	84.2	0.00
Hilleshog 7203Rz(Aph)	538	325.5	4572	1.40	41.35	582	17.67	14.04	336	1930	448	88.0	0.00
Holly 03HX317	525	325.0	5747	1.15	41.23	729	17.40	17.69	255	1662	356	93.7	0.00
Holly 03HX331	540	308.7	3965	1.17	37.50	487	16.60	12.71	337	1744	318	92.0	0.00
Holly 03HX364	529	332.9	4796	1.10	43.06	621	17.74	14.39	248	1681	314	81.6	0.00
Seedex SX0822(Aph & Rzm)	504	333.2	4697	1.07	43.13	610	17.73	14.01	227	1688	299	70.6	0.00
Seedex SX0828(Aph & Rzm)	548	328.4	4424	1.20	42.02	567	17.62	13.43	258	1794	360	80.3	0.00
Seedex SX0831(Aph & Rzm)	513	334.0	5140	1.12	43.30	669	17.81	15.31	269	1638	331	79.7	0.00
Van der Have H46177(Aph & Rzm)	551	334.7	5113	1.19	43.46	665	17.92	15.26	227	1788	364	73.2	0.00
Van der Have H46519(Rzm)	524	316.1	6134	1.23	39.18	759	17.03	19.45	267	1739	394	86.1	0.00
Van der Have H46522(Aph&Rzm&Rhc)	505	316.4	5371	1.26	39.27	668	17.08	16.94	231	1725	431	75.0	0.00
Van der Have H47150(Rzm)	544	317.1	5347	1.22	39.42	667	17.08	16.80	255	1740	390	77.6	0.00
Van der Have H47151(Rzm&Aph)	516	333.4	5021	1.09	43.17	652	17.76	15.00	202	1690	323	65.6	0.00
Van der Have H66726(Rzm)	526	320.8	4369	1.15	40.27	551	17.20	13.54	329	1702	322	82.1	0.00
Van der Have H66733(Rzm & Aph)	502	329.3	4775	1.08	42.23	613	17.55	14.47	249	1642	312	80.2	0.07
Filler#10	552	297.0	3889	1.43	34.79	454	16.28	13.16	347	2052	435	86.1	0.00
Susc 3N - Mod Aph	553	321.1	4342	1.26	40.33	547	17.32	13.46	397	1807	354	78.6	0.00
Very Susc 2N - Aph Tol	554	296.9	2966	1.12	34.78	354	15.96	9.80	417	1698	259	88.3	0.00
Susc 3N - Aph Tol	555	315.7	4254	1.18	39.11	531	16.97	13.32	378	1717	321	84.1	0.00
Susc 2N - Mod Aph	556	300.7	3091	1.28	35.65	375	16.31	10.03	468	1687	369	89.0	0.00
Check Mean		319.3	4991	1.26	39.93	625	17.23	15.60	334	1780	383	81.4	0.00
Coeff. of Var. (%)		2.8	9.0	6.4	5.1	9.8	2.3	8.9	18.4	5.1	11.1	10.8	
F Value		9.6	7.7	8.2	9.6	6.4	9.4	9.9	5.8	5.1	7.2	3.1	
Mean LSD (0.05)		9.8	651	0.09	2.25	90	0.46	1.89	79	114	54	10.3	
Mean LSD (0.01)		13.0	866	0.12	2.99	120	0.61	2.51	106	152	71	13.7	

+ Vigor not collected.

Created 11-07-03.

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

Trial # = 03rzMd

++ 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.