

Table 31
2003 Performance of Rzm Tolerant Varieties - ACSC Coded Test
Slight Rhizomania Symptoms - Felton MN & Gentilly MN.

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	317.9	6632	1.16	39.61	827	17.06	20.83	275	1822	317	65.5	0.00
Beta 4818R(Aph & Rzm)	509	330.3	6918	1.14	42.47	898	17.66	20.71	321	1746	301	60.6	0.00
Beta BX1196(Rzm)	523	320.1	6783	1.05	40.10	859	17.05	20.96	231	1581	308	69.7	0.00
Beta BX1197(4797R Rzm)	517	334.1	7081	1.18	43.33	921	17.88	21.10	246	1803	344	61.3	0.00
Beta BX1198(4898R Rzm)	546	324.7	6867	1.17	41.17	875	17.41	21.08	281	1821	324	72.0	0.00
Beta BX1301(Rhc & Rzm)	501	305.3	7127	1.33	36.71	857	16.60	23.37	288	1962	408	67.6	0.00
Beta BX1303(Rzm)	534	324.2	6605	1.28	41.06	838	17.49	20.35	247	1963	380	59.3	0.04
Beta BX1304(Rzm)	522	336.3	7163	1.19	43.83	938	18.01	21.14	269	1902	322	60.2	0.04
Beta BX1305(Rzm)	549	317.6	7317	1.24	39.54	913	17.13	22.96	249	1815	391	66.0	0.00
Beta BX1306(Rzm)	518	302.2	7105	1.28	36.00	848	16.40	23.40	305	1926	372	62.1	0.00
Beta BX1307(Rzm)	521	306.0	6695	1.36	36.87	808	16.66	21.86	327	1901	431	70.5	0.00
Beta BX1308(Rzm)	537	324.6	6407	1.18	41.15	811	17.41	19.76	315	1794	322	61.2	0.04
Beta BX1309(Rzm)	507	311.3	6929	1.34	38.08	848	16.91	22.30	503	1829	369	68.7	0.00
Beta BX1310(Rzm)	542	317.4	6525	1.27	39.50	814	17.14	20.45	278	1900	381	65.6	0.00
Crystal R207	533	327.0	6363	1.38	41.69	815	17.73	19.37	320	1868	457	70.2	0.00
Crystal R826(Rzm)	510	333.7	6508	1.18	43.24	849	17.86	19.30	343	1783	315	81.6	0.00
Crystal RX301	541	312.4	6940	1.22	38.34	862	16.85	21.95	385	1796	331	64.3	0.04
Crystal RX302	530	311.0	6742	1.15	38.02	826	16.71	21.63	331	1703	322	66.9	0.00
Crystal RX303	508	313.1	6404	1.26	38.51	794	16.92	20.24	254	1929	373	69.0	0.00
Crystal RX304	550	313.7	6771	1.29	38.63	840	16.98	21.41	326	1856	389	63.7	0.00
Crystal RX305	519	325.0	6749	1.19	41.23	862	17.44	20.60	221	1868	344	67.9	0.00
Crystal RX306	511	324.6	6926	1.22	41.14	886	17.45	21.10	310	1819	352	57.7	0.00
Crystal RX307	547	326.6	6625	1.23	41.62	852	17.56	20.02	367	1770	348	53.6	0.00
Crystal RX308	532	336.6	7340	1.15	43.91	963	17.98	21.65	263	1784	320	63.6	0.00
Hilleshog 2411Rz	506	331.9	6331	1.17	42.83	823	17.77	18.89	300	1721	343	67.6	0.00
Hilleshog 2433Rz	528	330.3	5814	1.19	42.45	750	17.71	17.57	274	1764	356	65.3	0.00
Hilleshog 2463Rz(7163 Aph)	515	324.8	6492	1.20	41.20	824	17.44	19.93	359	1783	327	60.8	0.00
Hilleshog 2467(7167 Rz)	536	332.9	6805	1.23	43.05	882	17.88	20.39	330	1779	361	75.6	0.00
Hilleshog 2468(7168 Rz)	520	330.1	5970	1.30	42.42	773	17.81	17.88	325	1942	377	68.6	0.00
Hilleshog 2469(7169 Rz Aph)	539	322.9	6850	1.19	40.75	868	17.33	21.16	323	1808	322	66.3	0.00
Hilleshog 2480(7180 Rz)	527	327.5	6757	1.15	41.80	866	17.53	20.52	292	1623	356	73.5	0.00
Hilleshog 7172Rz	503	326.9	6262	1.15	41.67	802	17.49	19.05	301	1777	306	70.4	0.00
Hilleshog 7193Rz	545	316.2	6559	1.18	39.21	817	16.98	20.56	417	1598	334	68.8	0.00
Hilleshog 7194Rz	514	318.4	6762	1.22	39.72	854	17.14	20.98	343	1780	346	73.1	0.00
Hilleshog 7196Rz(Aph)	543	323.6	7133	1.21	40.92	902	17.39	22.05	334	1714	358	68.1	0.00
Hilleshog 7197Rz	535	314.6	7337	1.20	38.84	908	16.92	23.22	378	1803	313	74.1	0.00
Hilleshog 7202Rz(Aph)	512	321.9	6920	1.30	40.52	863	17.39	21.73	396	1842	374	71.6	0.00
Hilleshog 7203Rz(Aph)	538	327.8	6293	1.32	41.89	809	17.71	19.05	317	1939	390	69.2	0.00
Holly 03HX317	525	329.1	7514	1.04	42.18	965	17.49	22.78	223	1621	292	77.0	0.04
Holly 03HX331	540	315.3	6632	1.19	39.01	821	16.95	20.99	327	1875	302	74.9	0.00
Holly 03HX364	529	330.1	6612	1.07	42.41	853	17.58	19.92	235	1716	291	64.5	0.00
Seedex SX0822(Aph & Rzm)	504	330.1	6401	1.04	42.42	826	17.55	19.31	233	1690	274	52.7	0.00
Seedex SX0828(Aph & Rzm)	548	328.5	6473	1.13	42.03	835	17.55	19.45	220	1793	319	73.2	0.00
Seedex SX0831(Aph & Rzm)	513	336.5	6671	1.06	43.88	873	17.88	19.73	252	1607	298	61.3	0.00
Van der Have H46177(Aph & Rzm)	551	327.8	6644	1.15	41.88	855	17.54	20.13	275	1826	304	67.6	0.00
Van der Have H46519(Rzm)	524	311.3	7625	1.22	38.08	940	16.79	24.33	278	1740	383	75.8	0.00
Van der Have H46522(Aph&Rzm&Rhc)	505	310.5	6155	1.18	37.90	761	16.70	19.58	231	1688	379	55.6	0.00
Van der Have H47150(Rzm)	544	323.0	6969	1.13	40.78	880	17.28	21.57	229	1744	331	59.4	0.00
Van der Have H47151(Rzm&Aph)	516	339.2	6748	1.00	44.50	890	17.96	19.71	192	1676	262	52.4	0.00
Van der Have H66726(Rzm)	526	331.3	6669	1.07	42.68	864	17.64	19.96	258	1693	288	73.8	0.00
Van der Have H66733(Rzm & Aph)	502	337.2	6611	1.03	44.04	871	17.89	19.38	217	1675	277	60.0	0.07
Filler#10	552	309.1	5709	1.27	37.57	698	16.72	18.36	259	1982	366	80.1	0.00
Susc 3N - Mod Aph	553	331.8	6345	1.21	42.80	827	17.80	18.89	350	1820	323	65.8	0.00
Very Susc 2N - Aph Tol	554	315.0	5023	1.11	38.94	629	16.86	15.68	269	1812	280	79.9	0.00
Susc 3N - Aph Tol	555	329.5	6782	1.11	42.28	876	17.58	20.42	278	1673	312	73.0	0.00
Susc 2N - Mod Aph	556	313.4	5990	1.20	38.58	753	16.87	18.66	323	1773	342	71.0	0.00
Check Mean		323.1	6667	1.19	40.80	846	17.35	20.52	296	1790	339	67.1	0.00
Coeff. of Var. (%)		3.3	6.8	8.0	5.9	7.8	2.7	7.1	25.4	5.1	14.1	14.6	
F Value		4.9	4.2	7.3	4.9	3.3	4.6	5.4	4.8	10.4	5.3	5.0	
Mean LSD (0.05)		11.6	623	0.09	2.67	92	0.55	1.91	74	88	49	8.6	
Mean LSD (0.01)		15.5	830	0.12	3.56	122	0.73	2.55	98	117	65	11.4	

+ Vigor not collected.

Created 11-07-03.

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

Trial # = 03rzSt

++ 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.