

Table 32
2003 Performance of Rzm Tolerant Varieties - ACSC Coded Test
Crookston, 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	311.9	4516	1.30	38.23	553	16.89	14.49	314	1827	408	86.6	0.00
Beta 4818R(Aph & Rzm)	509	318.4	4073	1.31	39.73	508	17.23	12.79	338	1820	403	79.4	0.00
Beta BX1196(Rzm)	523	319.4	4141	1.19	39.96	519	17.16	12.96	251	1683	387	85.4	0.00
Beta BX1197(4797R Rzm)	517	321.7	4330	1.35	40.47	544	17.43	13.49	323	1877	426	96.7	0.00
Beta BX1198(4898R Rzm)	546	313.1	4269	1.31	38.49	524	16.97	13.69	323	1839	413	91.0	0.00
Beta BX1301(Rhc & Rzm)	501	287.7	5185	1.53	32.67	587	15.92	18.05	333	2018	534	96.5	0.00
Beta BX1303(Rzm)	534	308.4	4231	1.47	37.42	514	16.89	13.70	312	1917	514	80.0	0.07
Beta BX1304(Rzm)	522	323.6	4618	1.39	40.92	582	17.58	14.28	326	1882	457	75.4	0.00
Beta BX1305(Rzm)	549	310.6	5559	1.43	37.92	677	16.95	17.98	297	1838	510	86.9	0.00
Beta BX1306(Rzm)	518	299.6	4952	1.44	35.40	585	16.42	16.53	330	1904	493	92.8	0.00
Beta BX1307(Rzm)	521	286.6	4312	1.67	32.42	487	16.00	15.08	400	1932	636	84.9	0.00
Beta BX1308(Rzm)	537	321.3	4047	1.32	40.39	507	17.37	12.64	353	1771	419	100.7	0.00
Beta BX1309(Rzm)	507	305.0	5461	1.38	36.64	658	16.64	17.83	470	1840	412	100.9	0.00
Beta BX1310(Rzm)	542	314.2	4382	1.44	38.74	539	17.15	13.97	299	1889	506	92.1	0.00
Crystal R207	533	315.7	3971	1.55	39.11	493	17.34	12.50	317	1920	571	93.6	0.00
Crystal R826(Rzm)	510	322.7	3687	1.34	40.72	465	17.47	11.42	348	1825	422	94.9	0.00
Crystal RX301	541	310.7	4229	1.34	37.94	516	16.87	13.65	352	1734	450	84.2	0.00
Crystal RX302	530	302.7	4499	1.31	36.11	537	16.45	14.86	364	1744	417	81.4	0.00
Crystal RX303	508	307.2	4235	1.37	37.14	511	16.73	13.83	287	1820	476	86.2	0.00
Crystal RX304	550	308.5	4428	1.46	37.45	536	16.88	14.42	311	1874	518	76.4	0.00
Crystal RX305	519	319.1	4726	1.35	39.88	594	17.31	14.68	269	1867	450	84.0	0.07
Crystal RX306	511	323.7	4469	1.33	40.95	565	17.52	13.83	339	1819	422	83.4	0.00
Crystal RX307	547	324.9	4444	1.38	41.20	564	17.63	13.68	364	1815	457	85.9	0.00
Crystal RX308	532	317.9	4524	1.36	39.61	565	17.26	14.20	307	1830	455	87.9	0.00
Hilleshog 2411Rz	506	325.8	4558	1.38	41.42	579	17.66	14.00	349	1667	493	83.4	0.00
Hilleshog 2433Rz	528	323.6	4111	1.30	40.92	520	17.48	12.73	355	1740	414	90.1	0.00
Hilleshog 2463Rz(7163 Aph)	515	316.5	3878	1.30	39.29	481	17.13	12.22	381	1788	392	90.8	0.00
Hilleshog 2467(7167 Rz)	536	324.8	4538	1.34	41.20	575	17.58	14.01	376	1848	409	93.0	0.00
Hilleshog 2468(7168 Rz)	520	327.6	3998	1.37	41.83	511	17.75	12.15	352	1819	449	88.5	0.00
Hilleshog 2469(7169 Rz Aph)	539	313.5	4498	1.31	38.59	552	16.98	14.44	360	1926	379	87.5	0.00
Hilleshog 2480(7180 Rz)	527	316.0	4646	1.34	39.17	577	17.14	14.66	356	1583	487	90.8	0.00
Hilleshog 7172Rz	503	317.5	4549	1.30	39.52	566	17.18	14.34	351	1788	404	94.7	0.00
Hilleshog 7193Rz	545	318.9	4387	1.29	39.85	547	17.23	13.79	426	1566	420	95.5	0.00
Hilleshog 7194Rz	514	316.1	4804	1.39	39.20	596	17.19	15.19	409	1866	431	93.5	0.00
Hilleshog 7196Rz(Aph)	543	316.8	4686	1.39	39.36	581	17.23	14.83	381	1751	469	91.6	0.00
Hilleshog 7197Rz	535	314.5	4923	1.25	38.83	607	16.97	15.67	343	1820	356	93.7	0.00
Hilleshog 7202Rz(Aph)	512	314.1	4572	1.47	38.74	562	17.16	14.64	459	1812	485	88.8	0.00
Hilleshog 7203Rz(Aph)	538	318.6	4124	1.46	39.78	516	17.39	12.95	346	1848	516	93.9	0.00
Holly 03HX317	525	324.0	4873	1.19	41.01	617	17.39	15.00	217	1665	396	99.9	0.00
Holly 03HX331	540	297.8	3109	1.21	34.97	364	16.10	10.53	375	1726	348	99.7	0.00
Holly 03HX364	529	330.9	4083	1.16	42.58	525	17.70	12.36	240	1715	349	94.0	0.00
Seedex SX0822(Aph & Rzm)	504	328.3	3856	1.12	42.01	496	17.54	11.67	203	1785	324	82.4	0.00
Seedex SX0828(Aph & Rzm)	548	320.0	3600	1.31	40.09	450	17.31	11.22	265	1878	417	89.5	0.00
Seedex SX0831(Aph & Rzm)	513	327.2	4157	1.18	41.74	533	17.54	12.59	261	1693	370	87.9	0.00
Van der Have H46177(Aph & Rzm)	551	329.9	4453	1.27	42.36	572	17.77	13.47	259	1849	400	77.7	0.00
Van der Have H46519(Rzm)	524	315.5	5144	1.27	39.06	634	17.04	16.41	234	1750	434	87.4	0.00
Van der Have H46522(Aph&Rzm&Rhc)	505	313.6	4420	1.34	38.62	544	17.02	14.09	211	1753	499	88.2	0.00
Van der Have H47150(Rzm)	544	309.3	4757	1.33	37.62	579	16.79	15.38	258	1747	471	90.5	0.00
Van der Have H47151(Rzm&Aph)	516	326.0	4345	1.18	41.48	555	17.48	13.28	215	1784	363	75.8	0.00
Van der Have H66726(Rzm)	526	315.7	3808	1.22	39.11	473	17.00	12.02	329	1711	366	88.7	0.00
Van der Have H66733(Rzm & Aph)	502	324.3	3871	1.15	41.07	489	17.36	11.95	255	1658	352	92.8	0.07
Filler#10	552	298.6	3389	1.43	35.16	399	16.36	11.35	294	1987	473	93.8	0.00
Susc 3N - Mod Aph	553	313.5	3427	1.28	38.60	421	16.96	10.95	391	1816	366	84.9	0.00
Very Susc 2N - Aph Tol	554	286.4	1969	1.15	32.35	227	15.46	6.77	456	1707	265	93.4	0.00
Susc 3N - Aph Tol	555	308.4	3516	1.20	37.41	428	16.62	11.33	369	1714	339	98.3	0.00
Susc 2N - Mod Aph	556	288.9	2295	1.34	32.93	270	15.78	7.73	536	1646	404	95.8	0.00
Check Mean		314.6	4261	1.33	38.85	526	17.06	13.54	331	1798	432	89.3	
Coeff. of Var. (%)		2.7	9	6.99	5.09	9	2.21	9.11	19	5	12	10.3	
F Value		8.2	15	6.93	8.24	14	9.59	15.15	6	6	8	2.8	
Mean LSD (0.05)		10.6	465	0.11	2.43	61	0.46	1.49	77	105	65	10.6	
Mean LSD (0.01)		13.9	612	0.15	3.21	81	0.61	1.97	101	139	85	14.0	

+ Vigor not collected.

Created 11-06-03.

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

Trial # = 038674

++ 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.

None to slight Aphanomyces.