

Table 29  
2003 Performance of Rzm Tolerant Varieties - ACSC Coded Test  
Felton, 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	310.7	4551	1.12	37.96	550	16.65	14.83	336	1787	268	63.2	0.00
Beta 4818R(Aph & Rzm)	509	316.9	4416	1.15	39.37	546	17.00	14.02	452	1674	282	58.8	0.00
Beta BX1196(Rzm)	523	307.7	4257	1.01	37.26	515	16.39	13.90	279	1548	270	61.9	0.00
Beta BX1197(4797R Rzm)	517	325.1	4934	1.11	41.27	625	17.36	15.22	314	1715	290	60.6	0.00
Beta BX1198(4898R Rzm)	546	316.5	4813	1.15	39.28	598	16.98	15.23	345	1788	293	70.9	0.00
Beta BX1301(Rhc & Rzm)	501	300.9	5180	1.31	35.70	613	16.35	17.26	366	1954	361	69.5	0.00
Beta BX1303(Rzm)	534	319.9	4473	1.23	40.06	559	17.23	14.07	294	1930	336	60.4	0.07
Beta BX1304(Rzm)	522	324.3	4910	1.18	41.08	620	17.40	15.20	349	1858	297	61.9	0.00
Beta BX1305(Rzm)	549	311.8	5270	1.21	38.20	644	16.80	16.94	309	1748	360	66.3	0.00
Beta BX1306(Rzm)	518	293.1	5140	1.33	33.90	591	15.98	17.62	415	1966	356	61.8	0.00
Beta BX1307(Rzm)	521	301.5	4692	1.35	35.84	552	16.43	15.68	411	1860	401	69.9	0.00
Beta BX1308(Rzm)	537	323.9	4633	1.13	40.99	586	17.33	14.31	357	1722	286	63.7	0.07
Beta BX1309(Rzm)	507	307.1	4720	1.33	37.13	567	16.68	15.47	609	1750	338	68.3	0.00
Beta BX1310(Rzm)	542	313.2	4672	1.26	38.52	573	16.92	14.94	364	1824	361	59.6	0.00
Crystal R207	533	312.7	4493	1.39	38.41	551	17.02	14.41	417	1805	444	70.6	0.00
Crystal R826(Rzm)	510	323.0	4349	1.21	40.78	549	17.36	13.45	449	1736	309	78.1	0.00
Crystal RX301	541	300.5	4806	1.27	35.61	572	16.30	15.91	495	1767	331	67.8	0.00
Crystal RX302	530	308.6	4770	1.15	37.47	581	16.58	15.44	381	1683	302	67.6	0.00
Crystal RX303	508	301.0	4179	1.27	35.71	497	16.32	13.87	347	1868	358	68.5	0.00
Crystal RX304	550	302.6	4762	1.30	36.08	566	16.43	15.80	430	1769	381	57.8	0.00
Crystal RX305	519	319.4	4320	1.12	39.94	542	17.08	13.52	272	1821	283	66.5	0.00
Crystal RX306	511	311.4	4808	1.24	38.12	589	16.81	15.41	420	1806	324	55.6	0.00
Crystal RX307	547	309.8	4324	1.23	37.74	524	16.71	14.08	481	1708	321	49.5	0.00
Crystal RX308	532	323.8	5076	1.17	40.95	640	17.36	15.78	365	1753	309	60.9	0.00
Hilleshog 2411Rz	506	322.2	3854	1.18	40.60	486	17.30	11.98	392	1717	317	64.3	0.00
Hilleshog 2433Rz	528	319.8	3705	1.20	40.04	459	17.19	11.69	351	1712	345	62.7	0.00
Hilleshog 2463Rz(7163 Aph)	515	318.7	4307	1.15	39.80	537	17.09	13.53	416	1734	275	64.5	0.00
Hilleshog 2467(7167 Rz)	536	323.5	4685	1.23	40.89	587	17.41	14.63	430	1690	349	75.9	0.00
Hilleshog 2468(7168 Rz)	520	322.5	3611	1.28	40.67	455	17.41	11.17	404	1915	335	70.3	0.00
Hilleshog 2469(7169 Rz Aph)	539	316.5	4610	1.15	39.29	574	16.98	14.55	423	1718	278	64.8	0.00
Hilleshog 2480(7180 Rz)	527	321.1	4303	1.14	40.35	541	17.20	13.42	358	1603	325	72.7	0.00
Hilleshog 7172Rz	503	316.9	3952	1.17	39.37	491	17.01	12.47	400	1713	306	71.1	0.00
Hilleshog 7193Rz	545	309.9	4013	1.22	37.76	489	16.71	12.90	547	1580	322	66.2	0.00
Hilleshog 7194Rz	514	304.9	4037	1.23	36.62	484	16.48	13.25	455	1714	332	64.1	0.00
Hilleshog 7196Rz(Aph)	543	321.2	4570	1.17	40.37	573	17.23	14.26	398	1667	315	69.0	0.00
Hilleshog 7197Rz	535	301.7	5249	1.27	35.87	616	16.34	17.63	549	1753	313	71.5	0.00
Hilleshog 7202Rz(Aph)	512	319.6	4337	1.25	39.99	541	17.23	13.62	438	1784	335	66.2	0.00
Hilleshog 7203Rz(Aph)	538	317.5	3827	1.30	39.51	474	17.17	12.11	415	1968	334	70.7	0.00
Holly 03HX317	525	324.2	5254	1.05	41.05	663	17.26	16.32	294	1600	281	76.2	0.07
Holly 03HX331	540	310.0	4225	1.21	37.78	516	16.71	13.62	406	1900	282	69.0	0.00
Holly 03HX364	529	327.0	4426	1.04	41.69	564	17.38	13.48	293	1650	260	66.2	0.00
Seedex SX0822(Aph & Rzm)	504	322.7	4151	1.02	40.72	523	17.16	12.88	308	1571	263	53.3	0.00
Seedex SX0828(Aph & Rzm)	548	316.3	4410	1.12	39.24	548	16.94	13.87	297	1716	304	75.3	0.00
Seedex SX0831(Aph & Rzm)	513	330.4	4504	1.07	42.48	577	17.59	13.71	317	1579	297	65.0	0.00
Van der Have H46177(Aph & Rzm)	551	317.4	4435	1.16	39.49	549	17.02	14.05	375	1785	284	66.1	0.00
Van der Have H46519(Rzm)	524	303.6	5937	1.19	36.32	719	16.38	19.36	349	1691	345	72.3	0.00
Van der Have H46522(Aph&Rzm&Rhc)	505	298.3	3676	1.21	35.11	434	16.13	12.35	320	1651	383	56.2	0.00
Van der Have H47150(Rzm)	544	320.4	4726	1.12	40.18	591	17.14	14.80	298	1741	297	57.1	0.00
Van der Have H47151(Rzm&Aph)	516	329.8	4377	0.98	42.34	563	17.46	13.23	244	1617	240	54.2	0.00
Van der Have H66726(Rzm)	526	324.0	4429	1.06	41.01	560	17.26	13.65	323	1646	268	70.6	0.00
Van der Have H66733(Rzm & Aph)	502	327.2	4323	1.06	41.74	552	17.42	13.14	309	1651	270	61.5	0.07
Filler#10	552	301.8	3738	1.29	35.90	442	16.37	12.45	353	1919	357	73.0	0.00
Susc 3N - Mod Aph	553	314.5	3979	1.26	38.82	490	16.99	12.71	488	1823	316	66.9	0.00
Very Susc 2N - Aph Tol	554	304.5	3017	1.08	36.53	363	16.30	9.83	355	1753	241	76.5	0.00
Susc 3N - Aph Tol	555	320.6	4419	1.09	40.23	554	17.12	13.80	360	1650	273	66.8	0.00
Susc 2N - Mod Aph	556	295.2	3463	1.15	34.39	404	15.91	11.66	422	1735	278	67.0	0.00
Check Mean		314.5	4448	1.18	38.81	548	16.91	14.19	381	1746	314	65.8	
Coeff. of Var. (%)		3.4	11	7.85	6.30	12	2.87	10.63	23	6	14	14.4	
F Value		4.0	6	4.95	4.00	5	3.96	6.99	4	6	5	2.5	
Mean LSD (0.05)		13.1	573	0.11	3.01	77	0.60	1.83	108	121	52	10.9	
Mean LSD (0.01)		17.2	756	0.15	3.96	101	0.79	2.42	143	159	69	14.3	

+ Vigor not collected.

Created 11-06-03.

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

Trial # = 038672

++ 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.