

Table 12  
Performance Data of Specialty Varieties Approved for Sale to ACS Growers in 2004  
Aphanomyces, Rhizomania & Disease Free Conditions +++

Description	Market Approval & Disease Tolerance			Aph Rating-2 Yr			Disease Free Sites ++						Aphanomyces (Aph) Infected Sites				Rhizomania (Rzm) Infected Sites *					
	Disease Tolerance	Ploidy	Foliar+ Root+		Rev/Ton (\$)			Rev/Acre (\$)			Rev/Ton (\$)		Rev/Acre (\$)		Rev/Ton (\$)			Rev/Acre (\$)				
			2003	2 Yr	%App	2003	2 Yr	%App	2 Yr	%Mean	2 Yr	%Mean	2003	2 Yr	%Mean	2003	2 Yr	%Mean				
Beta 3800(Aph)	Aph	2N	2.7	4.4	41.25	37.76	95	1015	937	98	31.07	99	585	108								
Beta 3820(Aph)	Full Market & Aph	3N	2.7	4.5	43.72	39.85	101	1071	967	101	31.66	101	577	106								
Beta 4811R(Aph & Rzm)	Aph & Rzm	2N	3.1	4.3	38.15	34.14	86	909	815	85	28.34	90	513	95	39.01	33.31	95	748	638	102		
Beta 4818R(Aph & Rzm)	Aph & Rzm	3N	3.3	4.5	42.41	37.83	96	1029	920	96	29.15	93	516	95	40.94	34.92	100	750	628	101		
Beta 6400(Aph)	Full Market & Aph	3N	2.8	4.5	44.34	41.07	104	1022	929	97	33.86	108	555	102								
Beta BX1194(Aph)	Test Market & Aph	3N	2.9	5.1	43.44	39.90	101	1046	990	104	31.50	101	541	100								
Beta BX1196(Rzm)	Rzm	2N	4.2	6.4	41.41	37.61	95	1007	901	94					39.94	35.27	101	718	616	99		
Beta BX1197(4797R Rzm)	Rzm	3N	3.0	4.6	42.70	39.21	99	1058	986	103					41.31	35.42	101	778	654	105		
Beta BX1198(4898R Rzm)	Rzm	2N	3.3	4.8	39.92	34.34	87	953	826	86					40.36	33.45	95	759	629	101		
Crystal 820	Full Market & Aph	3N	2.8	4.4	42.42	39.24	99	1058	987	103	31.30	100	588	108								
Crystal 822	Full Market & Aph	3N	2.5	4.5	43.91	40.73	103	1044	967	101	32.52	104	584	108								
Crystal 952	Full Market & Aph	3N	2.7	4.5	43.43	39.74	100	1027	934	98	31.94	102	552	102								
Crystal R207	Rzm	2N	3.1	4.5	40.99	36.31	92	901	817	85					41.02	34.81	99	701	594	95		
Crystal R826(Rzm)	Full Market & Rzm	3N	2.7	4.3	43.49	39.72	100	1016	917	96					41.49	35.52	101	704	595	95		
Hilleshog 2236(Aph)	Aph	2N	2.7	4.5	38.95	36.42	92	900	847	89	30.35	97	533	98								
Hilleshog 2239(Aph)	Aph	2N	2.5	4.2	40.41	36.93	93	935	884	92	30.95	99	528	97								
Hilleshog 2264(7164 Aph)	Aph	2N	2.2	4.2	40.90	37.93	96	952	889	93	32.26	103	504	93								
Hilleshog 2411Rz	Rzm	2N	3.7	5.8	41.80	37.88	96	990	900	94					42.64	36.10	103	748	641	103		
Hilleshog 2433Rz	Rzm	2N	3.7	5.5	41.88	38.26	97	948	859	90					41.78	35.82	102	683	595	95		
Hilleshog 2463Rz(7163 Aph)	Rzm	2N	2.4	3.8	40.30	36.32	92	1019	919	96					40.77	34.34	98	744	634	102		
Hilleshog 2467(7167 Rz)	Rzm	2N	3.7	6.0	41.41	37.46	95	995	909	95					42.97	36.42	104	812	696	111		
Hilleshog 2468(7168 Rz)	Rzm	2N	4.9	8.0	43.20	39.33	99	969	899	94					42.15	36.34	104	675	581	93		
Hilleshog 2469(7169 Rz Aph)	Aph & Rzm	2N	2.5	4.0	38.87	34.63	88	998	900	94	29.47	94	525	97	38.92	32.35	92	752	623	100		
Hilleshog 7172Rz	Rhc & Rzm	2N	3.7	5.2	39.84	35.66	90	930	817	85					40.56	34.57	99	732	626	100		
Seedex Aurora(SX823 925 Aph)	Aph	3N	3.2	4.7	42.67	38.83	98	1027	954	100	31.83	102	546	101								
Seedex SX0822(Prizm Aph)	Aph	2N	2.7	4.6	43.39	38.40	97	1033	930	97	30.55	97	517	95								
Seedex SX0828(Rezult Aph & Rzm)	Test Market & Aph & Rzm	2N	3.0	5.4	42.61	39.71	100	994	946	99	32.47	104	553	102	40.85	35.32	101	675	586	94		
Van der Have H46177(Aph & Rzm)	Full Market & Aph & Rzm	2N	2.9	4.4	42.55	39.03	99	1019	930	97	30.93	99	552	102	42.25	36.67	105	752	654	105		
Van der Have H46521(Rhc)	Rhc	3N	4.4	6.0	40.99	37.92	96	905	877	92												
Van der Have H66725(Aph)	Test Market & Aph	2N	3.2	5.6	45.14	41.79	106	1041	977	102	33.85	108	537	99								
Mean of 20 Fully Approved Varieties					43.19	39.55	100	1043	957	100												
Mean of Specialty Varieties			3.1	4.9	41.88	38.13	96.4	994	911	95.2	31.34		542		41.06	35.04		733	624			

%App is relative performance vs. average of all full market approved varieties. %Mean is relative performance vs. average of all specialty varieties.

+ Ratings are from Roseville & Shakopee (1=healthy, 9=dead).

++ Semi commercial trial data upgraded to commercial status.

+++ 2 Aphanomyces trials, 7 Rhizomania trials, 16 disease free trials (2002 & 2003 data combined).

\* 7 Rzm infected trials (2 in 2002 & 5 in 2003). 2003 data is likely more reliable than 2002 data. 2 Yr Rzm data is a weighted mean based upon number of locations for 2002 & 2003.

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