

2020-2022 Disease Nursery Data for Aphanomyces, Cercospora, and Rhizoctonia

Variety	Aphanomyces Root Ratings					Cercospora Leafspot Ratings					Rhizoctonia Root Ratings				
	2022	2021	2020	2021-2022	2020-2022	2022	2021	2020	2021-2022	2020-2022	2022	2021	2020	2021-2022	2020-2022
Description	Root Rating	Root Rating	Root Rating	2 Year Mean	3 Year Mean	CLS	CLS	CLS	2 Year Mean	3 Year Mean	Root	Root	Root	2 Year Mean	3 Year Mean
Fully Approved Varieties															
Beta 9044	4.3	5.1	4.1	4.7	4.5	4.1	4.1	4.3	4.1	4.2	3.8	3.9	4.1	3.9	3.9
Beta 9098	4.7	4.9	4.9	4.8	4.9	1.9	2.3	2.7	2.1	2.3	4.4	4.8	4.4	4.6	4.5
Crystal M002	4.3	4.9	4.1	4.6	4.4	1.7	1.8	2.1	1.8	1.9	4.3	4.4	4.5	4.3	4.4
Crystal M028	4.3	4.4	4.2	4.4	4.3	3.7	3.9	4.0	3.8	3.9	4.1	4.1	4.1	4.1	4.1
Hilleshog 2327	4.6	4.1	4.2	4.3	4.3	4.1	4.0	4.2	4.0	4.1	3.8	3.7	4.1	3.8	3.9
Hilleshog 2379	4.3	4.3	4.2	4.3	4.3	4.1	4.1	4.5	4.1	4.2	3.8	4.3	4.2	4.0	4.1
SV 881	5.0	3.9	4.3	4.4	4.4	3.9	4.0	4.2	4.0	4.0	3.8	4.0	4.3	3.9	4.0
SV RR863	4.8	3.8	4.5	4.3	4.4	4.0	4.1	4.1	4.0	4.1	3.5	3.7	4.1	3.6	3.8

Test Market Varieties															
Beta 9088	4.6	4.8	4.2	4.7	4.5	4.4	4.1	4.3	4.3	4.3	4.0	4.0	4.1	4.0	4.0
Beta 9124	5.0	5.0		5.0		2.3	2.6		2.4		4.5	4.4		4.4	
Beta 9131	4.6	5.0		4.8		2.0	2.3		2.1		3.5	3.5		3.5	
Beta 9155	4.1	4.2		4.2		2.4	2.9		2.6		3.2	3.6		3.4	
Crystal M106	3.6	4.2		3.9		4.1	3.9		4.0		3.7	4.0		3.8	
Crystal M168	4.0	4.6		4.3		2.0	2.2		2.1		4.3	4.3		4.3	
Hilleshog 2395	5.0	4.2		4.6		4.4	4.3		4.3		4.0	4.4		4.2	
Hilleshog 2398	4.5	4.6		4.6		3.8	3.8		3.8		4.1	3.9		4.0	
Hilleshog 2399	5.1	4.9		5.0		4.4	4.2		4.3		4.0	4.0		4.0	

APH Specialty Approved															
Crystal M977	3.5	4.2	4.0	3.9	3.9	4.7	4.3	4.6	4.5	4.5	3.3	3.6	3.8	3.4	3.6
Crystal M089	3.9	4.2	4.4	4.1	4.2	2.2	2.5	2.7	2.3	2.5	3.5	3.5	3.9	3.5	3.7

RHC Specialty Approved															
Crystal M977	3.5	4.2	4.0	3.9	3.9	4.7	4.3	4.6	4.5	4.5	3.3	3.6	3.8	3.4	3.6
Crystal M089	3.9	4.2	4.4	4.1	4.2	2.2	2.5	2.7	2.3	2.5	3.5	3.5	3.9	3.5	3.7

Aphanomyces Ratings from SMBSC Nursery at Renville and KWS Nursery in Shakopee. Ratings are on scale of 1 - 9.	Cercospora Ratings from SMBSC Nursery in Renville and KWS Nursery near Randolph MN. Ratings are on scale of 1-9.	Rhizoctonia Ratings from SMBSC Nursery at Renville and BSDF Nursery in Michigan Ratings are on scale of 1 - 7.
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** Lower Ratings mean more resistant to disease and are shown in green font.

**Higher Ratings mean more susceptible to disease and are shown in red font.