

2023 Minn-Dak Official Variety Trial
Aphanomyces Ratings
Betaseed (Shakopee, MN) & SMBSC (Renville, MN)

Entry Code	Commercial & Introductory Entries	Unadjusted				Adjusted				
		Shakopee	Renville	Shakopee	Renville	2023 2 Loc.	2022 2 Loc.	2021 1 Loc.	2 Yr.	3 Yr.
9	ACH 011	3.12	2.73	3.88	3.74	3.81	3.98	5.42	3.90	4.40
12	ACH 125	2.58	2.40	3.21	3.29	3.25	3.42	3.76	3.34	3.48
10	ACH 166	2.63	2.77	3.27	3.79	3.53	3.49	4.10	3.51	3.71
3	ACH 290	3.38	2.77	4.21	3.79	4.00	2.91	---	3.45	---
2	* ACH 973	2.87	2.40	3.57	3.29	3.43	3.16	4.22	3.30	3.61
8	* Beta 7068	3.15	2.96	3.92	4.05	3.99	3.06	4.16	3.53	3.74
7	Beta 7170	2.90	2.65	3.61	3.63	3.62	3.20	3.91	3.41	3.58
6	Beta 7181	2.95	3.44	3.67	4.71	4.19	4.24	4.38	4.22	4.27
11	Beta 7231	3.27	2.52	4.07	3.45	3.76	3.29	---	3.53	---
5	* Beta 7845	2.33	2.35	2.90	3.22	3.06	3.26	3.54	3.16	3.29
4	* Hilleshög 2325	3.02	2.81	3.76	3.85	3.80	3.63	3.68	3.72	3.71
1	* Hilleshög 2374	2.98	2.52	3.71	3.45	3.58	3.64	3.97	3.61	3.73
18	ACH 304	2.63	3.48	3.27	4.77	4.02	---	---	---	---
22	ACH 335	2.90	2.81	3.61	3.85	3.73	---	---	---	---
19	ACH 363	2.63	1.90	3.27	2.60	2.94	---	---	---	---
21	ACH 370	3.07	2.96	3.82	4.05	3.94	---	---	---	---
20	ACH 392	2.75	2.27	3.42	3.11	3.27	---	---	---	---
17	Beta 7308	2.55	2.33	3.17	3.19	3.18	---	---	---	---
16	Beta 7344	2.45	2.19	3.05	3.00	3.02	---	---	---	---
13	Beta 7353	2.93	2.58	3.65	3.53	3.59	---	---	---	---
15	Beta 7397	2.88	3.69	3.59	5.05	4.32	---	---	---	---
14	Hilleshög 2481	3.67	3.31	4.57	4.53	4.55	---	---	---	---
Established Mean		2.87	2.61	3.57	3.57	3.57	3.35	3.92	3.46	3.61
Exp/Trial Mean		2.89	2.72	3.60	3.73	3.66				
CV (%)		15.93	18.63							
LSD (P=0.05)		0.55	0.74							
Adjustment Factor				1.24480	1.36985					

* Established varieties used to calculate the adjustment factors

Lower values indicate better disease tolerance: (0)=Excellent >>>> (9)=Dead Plant

Ratings adjusted for disease severity on the basis of the Established Varieties [4-year adjusted mean, 2019-2022]

Ratings x Adjustment Factor = Adjusted Rating

Average ratings based upon multiple individual ratings