

2025 Minn-Dak Official Variety Trial
Aphanomyces Ratings
KWS (Shakopee, MN) & SMBSC (Renville, MN)

Entry Code	Commercial & Experimental Entries	Unadjusted		Adjusted						
		Shakopee	Renville	Shakopee	Renville	2025 2 Loc.	2024 2 Loc.	2023 2 Loc.	2 Yr.	3 Yr.
4	* ACH 166	3.99	3.00	3.91	3.36	3.63	3.21	3.53	3.42	3.46
6	ACH 290	3.23	3.13	3.16	3.50	3.33	3.42	4.00	3.38	3.59
9	ACH 370	3.92	3.44	3.84	3.85	3.84	3.70	3.94	3.77	3.83
7	ACH 417	3.48	2.77	3.41	3.10	3.25	3.10	---	3.18	---
10	ACH 472	3.43	2.67	3.36	2.99	3.17	3.43	---	3.30	---
12	ACH 489	3.19	2.83	3.12	3.17	3.14	3.01	---	3.08	---
2	* Beta 7068	3.19	3.04	3.12	3.40	3.26	3.94	3.99	3.60	3.73
8	Beta 7170	4.00	3.08	3.92	3.45	3.68	3.85	3.62	3.77	3.72
5	* Beta 7231	3.27	3.00	3.20	3.36	3.28	3.73	3.76	3.50	3.59
11	Beta 7416	3.38	3.06	3.31	3.42	3.37	3.64	---	3.50	---
1	Beta 7456	3.92	3.13	3.84	3.50	3.67	3.53	---	3.60	---
3	* Hilleshög 2325	4.54	4.08	4.45	4.56	4.51	3.65	3.80	4.08	3.99
19	ACH 535	3.42	3.27	3.35	3.66	3.50	---	---	---	---
18	ACH 559	3.16	2.73	3.09	3.05	3.07	---	---	---	---
14	ACH 592	4.07	3.02	3.99	3.38	3.68	---	---	---	---
13	Beta 7519	3.85	3.33	3.77	3.73	3.75	---	---	---	---
16	Beta 7524	2.91	3.17	2.85	3.55	3.20	---	---	---	---
17	Beta 7541	3.65	2.77	3.57	3.10	3.34	---	---	---	---
15	Beta 7590	2.95	3.48	2.89	3.89	3.39	---	---	---	---
20	Hilleshög 2547	4.85	3.83	4.75	4.28	4.52	---	---	---	---
Established Mean		3.75	3.28	3.67	3.67	3.67	3.63	3.77	3.65	3.69
Exp/Trial Mean		3.62	3.14	3.54	3.51	3.53				
CV (%)		15.67	8.17							
LSD (P=0.05)		0.66	0.37							
Adjustment Factor				0.97919	1.11875					

* 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, 2021-2024]

Ratings x Adjustment Factor = Adjusted Rating

Average ratings based upon multiple individual ratings