

2024 Minn-Dak Official Variety Trial
Aphanomyces Ratings
KWS (Shakopee, MN) & SMBSC (Renville, MN)

Entry Code	Commercial & Experimental Entries	Unadjusted		Adjusted						
		Shakopee	Renville	Shakopee	Renville	2024 2 Loc.	2023 2 Loc.	2022 2 Loc.	2 Yr.	3 Yr.
2	* ACH 166	3.22	2.68	2.62	3.80	3.21	3.53	3.49	3.37	3.41
8	ACH 290	4.32	2.35	3.52	3.33	3.42	4.00	2.91	3.71	3.44
3	ACH 370	4.65	2.55	3.78	3.62	3.70	3.94	---	3.82	---
1	* ACH 973	4.83	2.63	3.93	3.73	3.83	3.43	3.16	3.63	3.48
7	* Beta 7068	5.10	2.63	4.15	3.73	3.94	3.99	3.06	3.96	3.66
4	Beta 7170	5.28	2.40	4.30	3.40	3.85	3.62	3.20	3.74	3.56
5	Beta 7231	4.63	2.60	3.77	3.69	3.73	3.76	3.29	3.74	3.59
10	Beta 7344	4.48	2.30	3.65	3.26	3.45	3.02	---	3.24	---
9	Beta 7397	4.22	2.63	3.43	3.73	3.58	4.32	---	3.95	---
6	* Hilleshög 2325	4.83	2.38	3.93	3.38	3.65	3.80	3.63	3.73	3.70
20	ACH 417	3.97	2.10	3.23	2.98	3.10	---	---	---	---
11	ACH 430	4.30	2.43	3.50	3.45	3.47	---	---	---	---
15	ACH 454	3.88	2.28	3.16	3.23	3.20	---	---	---	---
12	ACH 472	4.80	2.08	3.91	2.95	3.43	---	---	---	---
16	ACH 489	4.37	1.73	3.56	2.45	3.01	---	---	---	---
13	Beta 7401	4.00	2.18	3.26	3.09	3.17	---	---	---	---
18	Beta 7416	4.77	2.40	3.88	3.40	3.64	---	---	---	---
17	Beta 7439	5.48	2.45	4.46	3.47	3.97	---	---	---	---
19	Beta 7456	4.53	2.38	3.69	3.38	3.53	---	---	---	---
14	Hilleshög 2517	6.87	2.98	5.59	4.23	4.91	---	---	---	---
Established Mean		4.50	2.58	3.66	3.66	3.66	3.69	3.34	3.67	3.56
Exp/Trial Mean		4.63	2.41	3.77	3.41	3.59				
CV (%)		17.89	15.56							
LSD (P=0.05)		1.02	0.55							
Adjustment Factor				0.81397	1.41814					

* 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, 2020-2023]

Ratings x Adjustment Factor = Adjusted Rating

Average ratings based upon multiple individual ratings