

2022 Minn-Dak Official Variety Trial
Aphanomyces Ratings
Betaseed (Shakopee, MN) & Magno Seed (Glyndon, MN)

Entry Code	Commercial & Introductory Entries	Unadjusted				Adjusted				
		Shakopee	Glyndon	Shakopee	Glyndon	2022 2 Loc.	2021 1 Loc.	2020 2 Loc.	2 Yr.	3 Yr.
8	ACH 011	4.03	4.25	4.24	3.72	3.98	5.42	3.53	4.70	4.31
6	ACH 044	3.22	4.38	3.39	3.83	3.61	6.05	3.48	4.83	4.38
3	ACH 082	3.35	5.50	3.53	4.81	4.17	6.05	3.54	5.11	4.58
1	ACH 125	3.28	3.88	3.45	3.39	3.42	3.76	---	3.59	---
5	ACH 166	3.00	4.38	3.16	3.83	3.49	4.10	---	3.80	---
11	ACH 973	3.52	3.00	3.70	2.62	3.16	4.22	3.61	3.69	3.66
4	Beta 7029	3.87	3.75	4.07	3.28	3.68	4.26	3.80	3.97	3.91
12	Beta 7068	3.33	3.00	3.50	2.62	3.06	4.16	3.32	3.61	3.51
9	Beta 7114	3.25	4.00	3.42	3.50	3.46	4.12	---	3.79	---
13	Beta 7170	2.97	3.75	3.13	3.28	3.20	3.91	---	3.56	---
2	Beta 7181	3.70	5.25	3.89	4.59	4.24	4.38	---	4.31	---
14	* Beta 7845	2.77	4.13	2.92	3.61	3.26	3.54	2.67	3.40	3.16
10	Hilleshög 2325	3.68	3.88	3.87	3.39	3.63	3.68	3.69	3.66	3.67
15	Hilleshög 2374	3.48	4.13	3.66	3.61	3.64	3.97	3.78	3.81	3.80
7	* SES/VdH 762	3.78	3.75	3.98	3.28	3.63	4.07	3.71	3.85	3.80
26	ACH 236	3.80	3.75	4.00	3.28	3.64	---	---	---	---
19	ACH 249	3.23	5.50	3.40	4.81	4.11	---	---	---	---
25	ACH 275	2.83	4.13	2.98	3.61	3.30	---	---	---	---
16	ACH 287	2.68	4.38	2.82	3.83	3.33	---	---	---	---
18	ACH 290	3.03	3.00	3.19	2.62	2.91	---	---	---	---
24	Beta 7200	3.12	5.38	3.28	4.71	4.00	---	---	---	---
22	Beta 7205	3.23	3.13	3.40	2.74	3.07	---	---	---	---
28	Beta 7231	3.03	3.88	3.19	3.39	3.29	---	---	---	---
23	Beta 7250	3.38	4.25	3.56	3.72	3.64	---	---	---	---
21	Beta 7254	3.10	5.00	3.26	4.37	3.82	---	---	---	---
20	Hilleshög 2444	3.18	4.25	3.35	3.72	3.53	---	---	---	---
27	Hilleshög 2445	4.35	4.63	4.58	4.05	4.31	---	---	---	---
29	Hilleshög 2446	3.20	4.75	3.37	4.16	3.76	---	---	---	---
17	SES/VdH 722	3.75	4.38	3.95	3.83	3.89	---	---	---	---
Established Mean		3.28	3.94	3.45	3.45	3.45	3.81	3.19	3.63	3.48
Exp/Trial Mean		3.35	4.19	3.53	3.66	3.59				
CV (%)		18.81	30.80							
LSD (P=0.05)		0.74	NS							
Adjustment Factor				1.05243	0.87480					

* 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, 2018-2021]

Ratings x Adjustment Factor = Adjusted Rating

Average ratings based upon multiple individual ratings