

2020 Minn-Dak Official Variety Trial
Cercospora Ratings
Betaseed (Randolph, MN) & MDfC (Foxhome, MN)

Entry Code	Variety	Unadjusted		Adjusted to 1982 Basis						
		Randolph 8 Dates	Foxhome 6 Dates	Randolph 8 Dates	Foxhome 6 Dates	2020 2 Loc.	2019 2 Loc.	2018 2 Loc.	2 Yr.	3 Yr.
6	* ACH 659	4.62	6.43	4.26	4.50	4.38	3.96	4.01	4.17	4.12
18	* ACH 765	4.25	5.94	3.92	4.16	4.04	4.12	4.13	4.08	4.10
17	* ACH 771	4.67	7.34	4.31	5.14	4.72	4.25	4.17	4.49	4.38
13	ACH 910	3.92	5.29	3.62	3.70	3.66	3.53	---	3.60	---
5	ACH 950	4.35	5.58	4.02	3.91	3.96	3.34	---	3.65	---
21	ACH 973	2.49	1.54	2.30	1.08	1.69	1.65	---	1.67	---
2	* Beta 7727	4.43	5.62	4.09	3.93	4.01	4.19	4.23	4.10	4.14
15	* Beta 7741	3.88	5.75	3.58	4.03	3.80	3.91	3.84	3.86	3.85
19	* Beta 7748	4.54	5.28	4.19	3.69	3.94	3.71	3.85	3.83	3.83
9	Beta 7845	4.16	5.63	3.83	3.94	3.89	3.56	3.99	3.73	3.81
3	Beta 7931	4.34	6.14	4.00	4.30	4.15	3.93	---	4.04	---
11	Beta 7974	2.85	3.96	2.63	2.77	2.70	2.52	---	2.61	---
4	Beta 7996	2.76	1.88	2.55	1.31	1.93	1.90	---	1.91	---
1	Hilleshög 2321	4.33	5.47	4.00	3.83	3.92	3.61	---	3.76	---
16	Hilleshög 2325	4.45	5.23	4.10	3.66	3.88	3.73	---	3.81	---
10	Hilleshög 4302	4.42	5.67	4.07	3.97	4.02	3.89	4.18	3.95	4.03
20	Maribo 905	4.06	4.52	3.75	3.17	3.46	3.19	---	3.32	---
7	* SES/VdH 655	3.96	4.46	3.65	3.13	3.39	3.22	4.44	3.30	3.68
12	SES/VdH 696	4.44	4.52	4.09	3.17	3.63	4.68	---	4.16	---
14	* SES/VdH 762	4.17	4.64	3.85	3.25	3.55	3.83	4.32	3.69	3.90
8	SES/VdH 788	4.70	5.88	4.33	4.11	4.22	4.14	4.64	4.18	4.33
22	SES/VdH 1986	4.38	4.94	4.04	3.46	3.75	3.94	4.48	3.85	4.06
29	ACH 008	4.80	7.07	4.43	4.95	4.69	---	---	---	---
30	ACH 011	3.84	2.25	3.54	1.57	2.56	---	---	---	---
35	ACH 023	4.44	5.38	4.10	3.77	3.93	---	---	---	---
39	ACH 044	4.20	5.02	3.87	3.51	3.69	---	---	---	---
24	ACH 056	3.29	4.00	3.04	2.80	2.92	---	---	---	---
27	ACH 082	3.15	1.94	2.90	1.36	2.13	---	---	---	---
38	ACH 095	4.21	6.00	3.88	4.20	4.04	---	---	---	---
25	Beta 7021	4.18	5.52	3.85	3.87	3.86	---	---	---	---
34	Beta 7029	2.47	1.75	2.28	1.23	1.75	---	---	---	---
23	Beta 7033	4.60	6.19	4.25	4.34	4.29	---	---	---	---
40	Beta 7059	4.15	4.65	3.82	3.25	3.54	---	---	---	---
43	Beta 7062	4.70	5.34	4.33	3.74	4.04	---	---	---	---
45	Beta 7068	2.98	2.30	2.75	1.61	2.18	---	---	---	---
41	Beta 7085	4.36	5.81	4.03	4.07	4.05	---	---	---	---
37	Hilleshög 2371	5.00	6.59	4.61	4.61	4.61	---	---	---	---
33	Hilleshög 2372	4.91	5.50	4.53	3.85	4.19	---	---	---	---
28	Hilleshög 2373	5.20	6.37	4.80	4.46	4.63	---	---	---	---
36	Hilleshög 2374	4.57	4.98	4.22	3.49	3.85	---	---	---	---
44	Maribo 924	3.57	3.20	3.30	2.24	2.77	---	---	---	---
42	SES/VdH 701	4.26	4.74	3.93	3.32	3.63	---	---	---	---
26	SES/VdH 702	4.37	5.13	4.04	3.59	3.81	---	---	---	---
31	SES/VdH 703	4.14	3.74	3.82	2.62	3.22	---	---	---	---
32	SES/VdH 704	3.37	3.03	3.10	2.12	2.61	---	---	---	---
Established Mean		4.31	5.68	3.98	3.98	3.98	3.90	4.12	3.94	4.00
Exp/Trial Mean		4.11	4.85			3.59				
CV (%)		5.51	11.52							
Mean LSD (0.05)		0.26	0.64							
Adjustment Factor				0.92264	0.70027					

* Established varieties used to calculate the adjustment factors

Lower values indicate better disease tolerance: (0)=Excellent >>>> (10)=Dead Canopy

Ratings adjusted for disease severity on the basis of the Established Varieties [4-year adjusted mean, 2016-2019]

Ratings x Adjustment Factor = Adjusted Rating

Average ratings based upon multiple rating dates and individuals