



# Kentucky Bluegrass Full Sun Cultivar Evaluation Trial–2021

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This is the fourth year of complete data from Kentucky bluegrass growing in full sun conditions. This is a National Turfgrass Evaluation Program (NTEP) trial, and is being conducted at several research stations in the United States. It contains 89 seeded cultivars, including a number of new experimental cultivars.

## Materials and Methods

Research was conducted at the Iowa State University Horticulture Research Station. The trial was seeded on September 8, 2017. Plots are 5 ft. by 5 ft. in size, and all cultivars are replicated three times. The area receives limited irrigation during the season and receives 2 to 3 lbs. N/1,000 ft.<sup>2</sup>/season. This was a very dry year and the grass was under considerable stress in mid-season. The mowing height is 3 in. Data are visual evaluations of color (data not shown) and monthly quality evaluations based on a scale of 9-1, with 9=best.

## Results and Discussion

The values listed in Table 1 are the averages of three replications of each cultivar. The last row states the Fisher’s LSD (least significant difference), which is a statistical measurement of how widely the datum in each column must vary before these are considered to be different from one another. The final column is the mean of all quality data during the entire season.

## Acknowledgements

Appreciation is extended to the NTEP organization for funding to conduct this project.

**Table 1. Quality data for the full-sun Kentucky bluegrass trial-2021.**

Entry	Cultivar	April Q	May Q	June Q	July Q	Aug Q	Sept Q	Oct Q	Mean
1	A11-40	6	6	6	3	4	5	6	5
2	A13-1	6	6	7	3	4	4	5	5
3	A99-2897	6	8	6	3	3	4	5	5
4	LTP-11-41	6	7	7	2	4	5	6	5
5	Blue Knight	5	6	6	3	4	4	5	5
6	RAD 553	6	7	6	4	5	4	6	5
7	Selway	6	7	6	2	4	4	6	5
8	Babe	6	7	5	3	4	4	5	5
9	AKB3128	5	6	6	2	4	4	6	5
10	AKB3179	5	6	6	2	4	4	5	5
11	AKB3241	7	7	6	3	5	5	6	6
12	NK-1	6	7	6	2	3	4	6	5
13	KH3492	6	7	7	3	5	4	6	5
14	A12-7	6	6	5	2	3	4	5	5
15	After Midnight	4	4	5	3	4	3	4	4
16	J-1138	6	6	6	3	4	5	7	5
17	J-1319	5	6	6	3	4	5	6	5
18	J-2726	4	6	6	2	4	3	5	4
19	J-3510	5	6	6	3	4	5	7	5
20	BAR PP 71213	7	8	6	2	3	4	4	5
21	BAR PP 7309V	5	6	6	3	3	4	4	4
22	BAR PP 79366	6	6	5	2	3	4	5	4
23	Barvette HGT®	8	8	5	3	4	5	7	6
24	BAR PP 7K426	5	7	5	2	3	4	5	4
25	BAR PP 7236V	7	7	6	2	3	4	6	5
26	BAR PP 79494	6	7	7	3	4	5	6	5
27	BAR PP 110358	5	5	5	2	3	4	4	4
28	RAD-1776	6	7	6	3	4	4	5	5
29	NAI-A16-3	6	6	6	2	3	4	5	5
30	NAI-13-132	6	7	8	4	4	4	6	6

*continued*

**Table 1. Quality data for the full-sun Kentucky bluegrass trial–2021. *continued***

Entry	Cultivar	April Q	May Q	June Q	July Q	Aug Q	Sept Q	Oct Q	Mean
32	NAI-13-9	6	6	7	4	5	4	7	5
33	NAI-13-14	6	6	6	3	3	4	6	5
34	NAI-14-122	6	7	6	3	3	4	5	5
35	PST-K13-143	5	6	5	2	4	4	4	4
36	NAI-14-128	6	8	6	2	4	5	7	5
37	NAI-14-132	6	6	6	2	4	4	6	5
38	NAI-14-133	5	8	6	3	4	5	7	5
39	NAI-14-176	6	7	6	3	5	5	6	5
40	NAI-14-178	6	7	6	3	5	5	7	6
41	NAI-14-187	5	7	5	3	4	5	5	5
42	NAI-15-84	5	6	6	3	5	5	6	5
43	Pivot	5	6	6	3	4	5	6	5
44	Blue Devil	6	7	6	3	4	4	5	5
45	Skye	6	7	6	2	4	5	6	5
46	GO-22B23	6	7	6	3	4	4	6	5
47	GO-2628	6	7	6	2	3	4	6	5
48	GO-2425	7	8	6	3	4	4	6	5
49	DLFPS-340/3364	6	7	5	3	5	4	6	5
50	DLFPS-340/3446	6	6	6	4	4	4	5	5
51	DLFPS-340/3556	5	6	7	3	4	5	6	5
52	DLFPS-340/3553	6	7	7	3	5	5	6	6
53	DLFPS-340/3494	4	5	5	2	3	3	3	4
54	DLFPS-340/3500	5	6	5	3	3	4	5	4
55	DLFPS-340/3438	5	6	6	2	4	4	5	4
56	DLFPS-340/3549	6	8	6	2	4	5	6	5
57	DLFPS-340/3548	6	7	6	3	5	5	5	5
58	DLFPS-340/3444	6	7	6	2	3	4	6	5
59	DLFPS-340/3455	7	7	6	3	4	4	6	5
60	DLFPS-340/3550	5	7	6	3	3	4	5	5
61	DLFPS-340/3551	5	6	5	2	3	4	5	4
62	DLFPS-340/3552	6	7	6	3	3	4	5	5
63	MVS-130	5	6	6	3	4	5	6	5
64	A16-1	6	7	6	4	5	4	6	5
65	A16-7	6	8	6	4	5	5	6	6
66	A12-34	5	6	6	2	4	4	5	5
67	A11-26	6	6	6	2	3	4	5	4
68	PPG-KB 1320	5	6	6	3	5	4	5	5
69	A11-38	6	7	6	3	3	5	6	5
70	PPG-KB 1131	5	5	5	3	3	4	6	5
71	A10-280	6	7	7	3	3	4	5	5
72	Shamrock	5	6	6	3	4	4	6	5
73	A16-2	6	7	5	3	4	6	7	5
74	PPG-KB 1304	7	7	6	3	4	5	7	5
75	A15-6	5	5	5	2	3	2	3	4
76	A16-17	6	8	7	3	4	4	6	5
77	Prosperity	5	4	6	3	3	4	5	4
78	A06-8	6	7	6	3	5	5	6	5
79	Kenblue	8	7	7	4	6	5	6	6
80	PST-K13-139	5	5	5	3	4	5	5	5
81	PST-K13-141	6	7	6	3	5	5	5	5
82	PST-K11-118	6	7	5	3	4	3	6	5
83	PST-K15-157	7	8	7	3	4	5	6	6
84	PST-11-7	4	5	6	3	4	3	5	4
85	PST-K15-167	6	6	6	2	4	4	6	5
86	PST-K15-177	5	5	5	2	3	3	4	4
87	PST-K15-172	6	7	7	3	4	5	6	5
88	Midnight	6	8	8	3	4	5	6	6
89	PST-T14-39	5	6	6	3	4	5	6	5
	LSD 0			NS	1	2	2	2	1