

# Kentucky Bluegrass Full Sun Cultivar Evaluation Trial

## RFR-A1803

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5 ft x 5 ft in size, and all cultivars are replicated three times. The area receives limited irrigation during the season and receives 2 to 3 lb N/1,000 ft<sup>2</sup>/season. The mowing height is 3 in. Data are visual evaluations of color and monthly quality evaluations based on a scale of 9-1, with 9 = best.

## Introduction

This is the first 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 planted September 8, 2017. Plots are

## 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 data 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. Color and quality data for the full sun bluegrass trial, 2018.**

Entry	Cultivar	Color <sup>2</sup>	Quality <sup>1</sup>						
			May	June	July	Aug	Sept	Oct	Mean
1	A11-40	6	4	6	6	6	6	6	6
2	A13-1	6	3	5	5	5	5	5	5
3	A99-2897	6	3	5	6	5	6	6	5
4	LTP-11-41	7	5	8	8	8	8	9	8
5	Blue Knight	5	5	7	6	4	4	4	5
6	RAD 553	7	4	5	6	6	5	5	5
7	Selway	6	4	6	7	7	6	6	6
8	Babe	6	4	7	6	6	6	6	6
9	AKB3128	6	4	6	6	5	5	6	5
10	AKB3179	6	4	7	6	7	7	8	6
11	AKB3241	7	3	5	7	7	5	7	6
12	NK-1	5	3	6	6	6	5	6	5
13	KH3492	7	4	6	6	7	7	7	6
14	A12-7	6	4	6	6	6	7	8	6
15	After Midnight	6	3	5	5	4	4	5	5
16	J-1138	6	5	6	7	6	6	7	6
17	J-1319	7	4	6	7	8	7	8	7
18	J-2726	6	4	6	7	5	5	6	6
19	J-3510	6	4	6	6	6	6	8	6
20	BAR PP 71213	6	5	6	7	6	6	6	6
21	BAR PP 7309V	5	5	8	6	7	7	7	7
22	BAR PP 79366	5	4	6	6	5	5	6	6
23	Barvette HGT®	7	5	7	7	8	7	8	7
24	BAR PP 7K426	6	4	7	7	6	6	7	6
25	BAR PP 7236V	6	5	6	6	6	5	5	6
26	BAR PP 79494	6	3	6	6	7	6	7	6
27	BAR PP 110358	7	4	6	7	7	7	7	6
28	RAD-1776	6	4	6	6	6	5	6	6
29	NAI-A16-3	5	5	7	6	6	6	7	6
30	NAI-13-132	6	3	5	6	5	5	6	5
31	NAI-15-80	6	3	5	6	5	6	7	5
32	NAI-13-9	6	3	6	6	6	6	6	6
33	NAI-13-14	6	4	5	7	6	6	8	6
34	NAI-14-122	7	2	5	6	5	5	5	5
35	PST-K13-143	7	4	7	8	7	7	8	7
36	NAI-14-128	7	4	5	6	7	6	7	6
37	NAI-14-132	7	3	6	7	6	6	7	6
38	NAI-14-133	7	3	5	7	7	5	5	5
39	NAI-14-176	7	4	6	8	8	7	7	7
40	NAI-14-178	5	3	5	6	5	6	6	5
41	NAI-14-187	7	3	5	6	6	6	6	5
42	NAI-15-84	7	3	5	6	6	5	5	5
43	Pivot	6	4	5	6	6	6	6	5
44	Blue Devil	5	3	5	6	5	5	6	5
45	Skye	5	4	5	5	5	6	7	5
46	GO-22B23	5	3	6	6	6	4	5	5
47	GO-2628	7	4	7	6	7	6	8	6
48	GO-2425	6	4	6	6	6	5	6	6
49	DLFPS- 340/3364	5	4	4	5	5	5	5	5
50	DLFPS- 340/3446	5	3	5	5	4	5	5	4

**Table 1. Color and quality data for the full sun bluegrass trial, 2018 (continued).**

Entry	Cultivar	Color <sup>2</sup>	Quality <sup>1</sup>						Mean
			May	June	July	Aug	Sept	Oct	
51	DLFPS-340/3556	6	4	6	7	7	6	7	6
52	DLFPS-340/3553	6	3	6	6	6	6	6	6
53	DLFPS-340/3494	7	5	6	7	7	6	6	6
54	DLFPS-340/3500	6	4	6	6	6	5	7	5
55	DLFPS-340/3438	6	3	5	6	5	5	6	5
56	DLFPS-340/3549	5	3	5	6	6	6	6	5
57	DLFPS-340/3548	6	4	5	6	5	4	6	5
58	DLFPS-340/3444	5	4	5	5	6	6	6	5
59	DLFPS-340/3455	6	4	7	6	6	7	7	6
60	DLFPS-340/3550	6	4	5	6	6	7	7	6
61	DLFPS-340/3551	7	4	7	7	6	6	6	6
62	DLFPS-340/3552	6	5	7	8	7	7	6	7
63	MVS-130	6	2	4	6	6	5	6	5
64	A16-1	6	4	6	6	6	6	7	6
65	A16-7	6	3	5	6	6	5	6	5
66	A12-34	5	3	5	6	5	5	6	5
67	A11-26	7	5	6	8	7	7	7	7
68	PPG-KB 1320	6	3	6	7	6	5	6	6
69	A11-38	5	4	6	6	5	5	5	5
70	PPG-KB 1131	6	4	6	6	6	6	6	6
71	A10-280	6	4	5	6	6	6	7	6
72	Shamrock	6	4	6	6	6	6	6	6
73	A16-2	6	5	7	6	8	7	8	7
74	PPG-KB 1304	7	4	6	7	7	7	6	6
75	A15-6	7	4	6	7	6	6	7	6
76	A16-17	7	5	7	7	7	7	8	7
77	Prosperity	6	5	6	5	6	5	7	6
78	A06-8	6	3	7	7	6	5	7	6
79	Kenblue	7	5	7	7	8	6	6	6
80	PST-K13-139	7	4	6	6	6	5	6	6
81	PST-K13-141	5	5	7	7	6	5	7	6
82	PST-K11-118	7	3	6	6	7	6	7	6
83	PST-K15-157	7	2	5	6	6	5	6	5
84	PST-11-7	7	4	6	6	6	6	6	6
85	PST-K15-167	6	4	6	7	5	5	5	5
86	PST-K15-177	7	4	5	6	6	6	7	5
87	PST-K15-172	7	3	6	7	7	6	7	6
88	Midnight	6	3	6	7	7	6	8	6
89	PST-T14-39	7	4	5	7	7	6	7	6
LSD 0.05		1	2	1	1	2	2	2	1

<sup>1</sup>Quality rated on a 1 to 9 scale with 9 = best quality, 1 = worst quality, and 6 = lowest acceptable quality.

<sup>2</sup>Color rated on a 1 to 9 scale with 9 = dark, 1 = light green.