

Perennial Ryegrass Study

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Nick Christians, university professor
Adam Thoms, assistant professor
Ben Pease, research associate
Isaac Mertz, research assistant
Department of Horticulture

1 = lowest. A rating of 6 or above is considered to be commercially acceptable. A preemerge was used in the spring of 2018 for crabgrass prevention.

The mowing height is 3 in. The trial is non-irrigated. It receives 2 to 3 lb N/1,000 ft² each season.

Introduction

The National Turfgrass Evaluation Program (NTEP) conducts trials throughout the United States on turfgrass adaptation. This trial was established in September 2016 as part of the NTEP program. It contains 114 perennial ryegrass cultivars.

Results and Discussion

Table 1 contains quality ratings for the 2018 season. This is a non-irrigated study and many of the cultivars were under stress in the mid-season. This resulted in no significant differences in June among cultivars.

Materials and Methods

The individual plots measure 4 ft x 4 ft and the study was replicated three times. Data on color were taken in July, and quality data were collected in May through October 2018. Ratings are based on a scale of 9 = best to

Acknowledgements

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

Table 1. Color and quality data from the perennial ryegrass trial, 2018.

No.	Cultivar	Color ²	Quality ¹						Mean
			May	June	July	Aug	Sept	Oct	
1	21	6	7	6	7	7	8	8	7
2	BSP-17	7	4	7	6	6	8	8	7
3	BWH	6	4	8	6	6	8	7	6
4	BSP-25	6	5	8	7	6	8	9	7
5	Savant	4	3	6	5	4	6	6	5
6	LPB-SD-105	5	3	6	6	5	7	7	6
7	Saguaro	5	4	7	6	5	6	6	6
8	LPB-SD-104	5	3	7	6	5	6	6	5
9	Mensa	5	3	6	6	5	7	7	6
10	LPB-SD-101	5	3	6	5	4	6	7	5
11	LPB-SD-102	5	3	7	6	5	8	8	6
12	LPB-SD-103	5	5	7	5	5	7	7	6
13	DLFPS-236/3540	5	5	7	6	5	7	8	6
14	DLFPS-236/3542	5	6	7	6	5	8	8	7
15	DLFPS-236/3544	7	6	6	6	6	8	9	7
16	Intense	5	5	6	6	6	7	7	6
17	Xcelerator	6	4	6	7	6	7	7	6
18	UF3	6	4	6	7	6	8	8	6
19	JR-123	5	4	5	6	5	6	7	6
20	JR-747	5	3	6	5	4	5	4	5
21	JR-888	5	4	6	6	4	6	6	5
22	DLFPS-236/3541	7	4	7	8	6	8	7	7
23	DLFPS-236/3543	7	5	8	8	7	9	8	7
24	DLFPS-236/3545	7	5	7	7	6	9	9	7
25	Evolve	5	6	6	6	5	6	7	6
26	MRSL-PR16	6	6	8	6	5	6	8	7
27	PL2	7	5	7	7	6	8	9	7
28	MRSL-PR15	6	5	6	6	5	7	7	6
29	SNX	5	5	8	6	5	6	8	6
30	Signet	6	5	7	6	6	7	9	7
31	02BS4	6	6	6	7	5	7	8	6
32	CS-6	5	5	6	6	5	6	7	6
33	DLFPS-236/3556	6	5	6	6	6	7	7	6
34	ASP0116EXT	5	5	7	6	6	8	8	7
35	A-PR15	6	5	7	6	5	7	8	6
36	A-4G	6	5	7	7	5	7	7	7
37	A-6D	6	5	7	6	5	6	7	6
38	NP-3	6	6	6	6	5	7	7	6
39	NP-2	6	5	6	7	6	7	8	6
40	16-Apr	7	4	6	7	5	6	7	6
41	GO-141	6	5	7	5	4	6	7	6
42	GO-142	5	4	6	5	4	5	6	5
43	GO-143	5	5	7	5	5	6	6	6
44	12-Apr	6	5	7	6	6	5	7	6
45	Apr-60	7	5	7	7	6	7	7	7
46	AMP-R1	5	4	7	5	5	6	6	6
47	DLFPS-236/3546	6	4	6	7	6	8	8	6
48	DLFPS-236/3547	7	5	7	7	6	8	8	7
49	DLFPS-236/3548	6	4	7	7	5	7	7	6
50	PR-6-15	6	4	7	7	5	8	8	7
51	DLFPS-236/3550	6	4	6	6	5	6	6	6

Table 1. Color and quality data from the perennial ryegrass trial, 2018 (continued).

No.	Cultivar	Color ²	Quality ¹						Mean
			May	June	July	Aug	Sept	Oct	
52	DLFPS-236/3552	7	4	7	8	7	7	7	7
53	23	7	5	6	8	6	7	7	6
54	FP2	7	5	7	7	5	8	7	6
55	02BS2	6	6	6	6	5	7	7	6
56	RRT	7	5	7	7	6	8	8	7
57	PPG-PR 241	6	5	7	6	6	7	7	6
58	PPG-PR 329	7	5	6	7	6	8	8	7
59	PPG-PR 331	6	6	6	5	6	6	7	6
60	Derby Xtreme	6	5	7	6	5	6	8	6
61	PPG-PR 339	6	5	7	6	5	6	7	6
62	PPG-PR 343	6	4	7	6	5	7	6	6
63	PPG-PR 360	7	4	7	7	6	7	7	6
64	PPG-PR 367	5	4	5	6	5	7	8	6
65	PPG-PR 370	6	4	7	6	5	8	8	6
66	PPG-PR 371	6	5	7	6	5	8	7	6
67	PPG-PR 372	7	5	7	7	6	7	7	7
68	PPG-PR 385	7	6	7	7	6	7	6	6
69	PPG-PR 419	7	5	7	7	7	8	8	7
70	PPG-PR 420	6	6	7	7	6	7	8	7
71	PPG-PR 421	7	4	7	7	6	8	8	7
72	PPG-PR 422	6	6	7	6	5	7	8	6
73	PPG-PR 423	6	5	7	7	6	7	8	7
74	PPG-PR 424	7	5	6	7	5	7	8	7
75	Karma	6	4	6	5	4	5	7	5
76	SR 4650	5	5	6	6	6	7	8	6
77	DLFPS-236/3538	6	5	7	7	6	7	8	7
78	Grand Slam GLD	7	5	7	6	6	6	7	6
79	LTP-FCB	7	4	6	8	7	8	9	7
80	BAR LP 6117	6	4	7	6	5	6	7	6
81	BAR LP 6131	6	5	6	6	5	6	6	6
82	BAR LP 6159	8	5	6	8	7	6	7	6
83	BAR LP 6233	7	5	6	6	6	7	7	6
84	PST-2FOXY	7	4	7	7	5	8	8	6
85	PST-2CRP	6	7	7	6	5	8	8	7
86	PST-2EGAD	7	6	6	6	7	7	8	7
87	PST-2FIND	7	6	7	6	5	7	8	7
88	PST-2GTD	8	5	7	8	7	8	8	7
89	PST-2BDT	5	4	6	5	5	7	7	6
90	PST-2MAY	7	6	7	6	6	7	7	6
91	PST-2GAL	6	6	7	6	6	6	7	6
92	PST-2PDA	6	5	6	7	6	6	7	6
93	PST-2A2	6	5	7	6	5	7	7	6
94	DLFPS-236/3553	6	5	7	7	5	6	8	6
95	DLFPS-236/3554	6	4	8	7	6	7	9	7
96	PR-5-16	5	5	7	6	5	7	8	6
97	BAR LP 6158	6	5	6	7	5	7	7	6
98	BAR LP 6162	6	3	6	6	5	5	7	5
99	BAR LP 6164	6	5	7	7	6	7	8	7
100	BAR LP 6165	8	6	8	7	8	7	6	7
101	Overdrive 5G	6	5	7	7	5	8	8	7
102	02BS1	6	6	6	6	5	8	8	7
103	CPN	6	6	6	6	6	7	8	7
104	JR-197	6	6	6	8	6	8	8	7

Table 1. Color and quality data from the perennial ryegrass trial, 2018 (continued).

No.	Cultivar	Color ²	Quality ¹						
			May	June	July	Aug	Sept	Oct	Mean
105	DLFPS-238/3014	7	6	6	7	6	7	7	7
106	RAD-PR 103	6	5	6	7	6	7	7	6
107	RAD-PR 112	6	4	7	7	5	8	8	7
108	UMPQUA	8	6	7	8	7	7	9	7
109	Seabiscuit	6	6	6	7	6	8	9	7
110	Man O'War	6	5	7	7	6	7	8	7
111	Pharaoh	7	6	6	7	6	8	9	7
112	Allstar III	5	3	6	6	5	6	7	6
113	Brightstar SLT	6	5	6	6	6	7	8	6
114	Linn	6	5	4	5	5	4	5	5
	LSD 0.05	1	1	NS	2	1	2	2	1

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

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