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Nick Christians
Iowa State University, nchris@iastate.edu

Dan Strey
Iowa State University, dstrey@iastate.edu

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NTEP Perennial Ryegrass Study 2015

RFR-A1518

Nick Christians, university professor
Dan Strey, research associate
Department of Horticulture

Introduction

The National Turfgrass Evaluation Program (NTEP) conducts trials throughout the United States on turfgrass adaptation. This trial was established in September 2010 as part of the NTEP program. It contains 88 perennial ryegrass cultivars.

Materials and Methods

The individual plots measure 5 ft × 5 ft and the study was replicated three times. Genetic color ratings were conducted in June, rust disease ratings were conducted in July. Quality ratings were conducted monthly in

2015. Ratings were based on a scale of 9 = best quality and 1 = lowest quality. A rating of 6 or above is considered to be commercially acceptable. For the color ratings, 9 is the darkest green color and 1 is brown. Rust ratings were on a scale of 9 to 1, where a 9 = no rust.

Results and Discussion

Table 1 contains genetic color ratings and quality ratings for the 2015 season. The mean is the average of all quality ratings for the season. This is a non-irrigated trial and it was partially dormant through some of the midseason. This was the last year of data collection on this trial.

Acknowledgements

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

Table 1. Data from 2015 perennial ryegrass trial.

No.	Cultivar	Genetic color	Quality ratings ¹							Mean
			April	May	June	July	Aug	Sept	Oct	
1	Rinovo	7	5	4	7	6	7	5	6	6
2	CL 11601	7	5	7	7	7	7	8	6	7
3	PR 909	8	5	6	8	7	7	5	4	6
4	CL 11701	7	6	7	7	7	6	5	5	6
5	Apr-36	7	6	8	6	5	5	6	5	6
6	Linn	5	2	3	4	4	3	3	3	3
7	Uno	6	5	6	6	6	6	5	5	5
8	DLF LGD-3026	6	4	5	6	5	6	5	5	5
9	DLF LGD-3022	6	5	6	6	6	6	5	5	6
10	PSRX-S84	7	5	6	7	6	7	7	6	6
11	SRX-4RHD	7	6	5	6	6	6	4	5	6
12	P02	7	4	6	6	5	6	5	4	5
13	S85	8	5	6	8	7	7	8	6	7
14	LTP-RAE	7	5	7	6	6	5	5	5	6
15	Allante	6	4	5	6	5	5	4	4	5
16	Insight	7	4	6	6	5	5	4	4	5
17	Sienna	7	3	7	6	5	5	4	4	5
18	Brightstar SLT	6	6	6	6	4	5	4	4	5
19	CL 307	7	5	5	7	7	7	6	6	6
20	Apr-20	7	6	7	6	5	6	5	6	6
21	Apr-38	6	6	6	6	6	6	4	5	6
22	PPG-PR 121	7	5	6	6	6	6	5	5	6
23	PPG-PR 128	7	5	5	6	5	5	6	5	5
24	PPG-PR 133	6	5	6	6	6	7	5	6	6
25	PPG-PR 134	7	5	7	7	6	7	7	6	6
26	LTP-PR 135	7	5	7	7	4	6	6	5	6
27	PPG-PR 136	6	6	7	7	6	6	5	4	6
28	PPG-PR 137	7	5	6	6	7	7	7	6	6
29	PPG-PR 138	7	5	7	6	5	5	5	4	5
30	PPG-PR 140	6	6	6	6	7	7	6	6	6
31	PPG-PR 142	7	6	6	6	6	7	6	5	6
32	PPG-PR 143	7	4	5	6	6	6	6	5	5
33	PPG-PR 164	7	6	8	8	6	7	7	5	7
34	PPG-PR 165	7	5	6	6	6	7	6	4	6
35	BAR Lp 10969	7	4	5	7	7	7	5	6	6
36	BAR Lp 10972	7	6	5	6	5	5	4	4	5
37	BAR Lp 10970	7	5	5	5	4	5	4	3	4
38	2NJK	6	4	5	7	6	7	6	5	6
39	BAR Lp 7608	6	4	6	5	3	4	4	3	4
40	Pinnacle	6	6	4	6	6	4	4	3	5
41	APR 2445	7	5	6	6	5	6	5	5	5
42	Fiesta 4	7	5	6	6	5	6	5	5	5
43	GO-G37	7	5	6	6	4	5	4	5	5
44	CS-20	6	5	5	5	5	5	5	5	5
45	ISG-36	6	4	5	6	4	5	4	4	4
46	ISG-31	7	4	6	6	5	5	4	4	5
47	A-35	8	4	6	6	4	5	5	4	5
48	CS-PR66	7	5	6	6	6	6	5	6	6
49	CST	7	5	7	7	6	6	6	5	6
50	JR-178	7	5	7	7	6	7	5	5	6

Table 1. Data from 2015 perennial ryegrass trial (continued).

No.	Cultivar	Genetic color	Quality ratings ¹							Mean
			April	May	June	July	Aug	Sept	Oct	
51	JR-192	7	6	7	7	6	7	5	5	6
52	PSRX-3701	6	5	6	7	6	6	7	4	6
53	Pick 10401	6	5	6	6	6	7	7	6	6
54	Mach I	7	4	6	6	5	5	4	4	5
55	RAD-PR62	7	6	6	6	5	6	5	5	6
56	RAD-PR55R	8	4	7	7	6	6	5	6	6
57	IS-PR 409	6	5	6	6	5	6	5	5	5
58	IS-PR 463	7	5	7	7	7	7	6	6	6
59	IS-PR 469	7	5	7	7	6	7	5	6	6
60	IS-PR 479	8	5	7	6	5	5	4	4	5
61	IS-PR 487	7	5	6	6	7	6	5	5	6
62	IS-PR 488	6	4	5	5	5	6	5	4	5
63	IS-PR 489	8	6	6	6	6	7	5	5	6
64	IS-PR 491	8	5	7	7	5	6	5	5	6
65	IS-PR 492	7	6	7	7	6	7	6	5	6
66	DLF LGT 4182	6	4	5	5	5	5	4	4	5
67	ISG-30	8	4	6	6	4	4	5	4	5
68	PST-204D	6	4	5	7	5	6	5	5	5
69	PST-2NKM	6	4	6	6	7	6	5	6	6
70	PST-2DR9	7	4	5	6	6	6	5	6	5
71	PST-2MG7	7	6	5	7	5	7	5	5	6
72	PST-2TQL	6	5	7	6	6	6	6	6	6
73	PST-2AG4	7	5	6	7	6	6	6	6	6
74	PST-2MAGS	7	4	6	7	6	7	6	5	6
75	PST-2K9	7	4	5	6	5	5	4	4	5
76	PST-2BNS	7	5	6	7	6	7	5	5	6
77	PST-2ACR	7	4	6	6	6	7	5	5	6
78	Rio Vista	7	5	6	6	6	6	6	4	6
79	Octane	8	4	6	7	6	6	6	5	6
80	Bonneville	7	6	6	6	6	6	6	5	6
81	PSRX-4CAGL	7	5	6	6	5	5	4	3	5
82	GO-DHS	7	5	6	6	5	5	4	5	5
83	GO-PR60	8	5	6	7	6	6	5	6	6
84	GM3	7	5	6	6	4	6	4	4	5
85	PRX-4GM1	6	6	5	6	5	5	5	4	5
86	SRX-4MSH	6	5	6	6	4	5	3	4	5
87	Pick 4DFHM	6	4	5	5	5	5	4	3	4
88	Palmer V	7	5	7	6	5	5	5	4	5
LSD 0.05		1	2	2	1	2	1	1	2	1

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