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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 Kentucky Bluegrass Study 2015

RFR-A1517

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 2011 as a part of the NTEP program. It contains 82 Kentucky bluegrass cultivars.

Materials and Methods

The individual plots measure 5 ft × 5 ft and the study is replicated three times. The plot area is not irrigated and went through a period of drought in midseason. Genetic color ratings were conducted in June and quality ratings were conducted monthly in 2015 from April to October. Ratings are based on a scale of 9 = best quality and 1 = lowest quality. A rating of 6 or above is considered to be commercially

acceptable. In the case of color and uniformity, a 9 is the darkest green color and a 9 is the most uniform turf.

Results and Discussion

Table 1 contains genetic color, spring greenup, quality, and uniformity ratings for the 2015 season. The mean quality rating also was calculated for each cultivar. The genetic color and uniformity data were taken in June 2015. The spring was cool and wet and greenup was slow to occur. The season was relatively mild, although there was a dry period in midsummer. We will continue to take data for one more year. The data also are submitted to NTEP each year and will be included in their yearly report with data from all of the other states conducting this trial. Their data can be accessed at www.ntep.org.

Acknowledgements

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

Table 1. Data from the 2015 Kentucky bluegrass cultivar trial.

		Genetic color	Quality ratings ¹							Uniformity
			Apr	May	June	July	Aug	Sept	Oct	
1	BAR 12PP 612	6	6	6	5	6	6	5	6	6
2	BAR 8PP 504	5	6	6	5	6	6	5	6	6
3	America	7	6	7	6	7	8	6	6	6
4	A05-361	6	6	7	7	6	7	6	7	7
5	Cabernet	6	6	7	7	7	7	6	7	7
6	Award	5	8	7	6	7	8	7	7	7
7	Nu Chicago	5	8	8	6	8	8	5	7	7
8	Kenblue	6	6	6	7	6	6	5	6	5
9	J-1770	5	9	7	5	8	9	7	7	8
10	J-1136	5	8	8	7	8	8	6	8	7
11	Rush	5	7	8	7	8	9	7	8	7
12	Sudden Impact	5	8	8	5	7	8	6	7	8
13	J-1853	5	8	8	6	8	7	6	7	6
14	A05-204	6	7	7	6	7	7	5	7	6
15	A05-329	5	7	7	7	8	8	6	7	7
16	A98-344	7	7	7	8	8	8	6	7	7
17	A98-363	7	6	7	6	6	6	5	6	6
18	RAD-1492	5	7	7	6	8	7	7	7	7
19	A04-38	6	7	7	5	7	6	6	6	6
20	A05-360	7	7	6	7	7	7	7	7	7
21	PpH 9131	6	6	7	5	6	7	5	6	6
22	DPPp 818	5	7	7	6	7	7	7	7	6
23	Pp 10847	5	6	7	6	6	7	6	6	6
24	Pick 033	6	6	8	6	7	8	6	7	7
25	Pick MP07	5	6	6	6	6	6	5	6	7
26	Pick 4340	5	7	6	5	7	8	5	6	6
27	SRX 466	6	7	7	7	8	8	7	7	7
28	SRX 2758	6	8	8	6	7	8	6	7	6
29	SRX 4338	5	7	7	5	7	6	5	6	7
30	LTP-08-6	8	7	7	7	8	8	5	7	7
31	A00-2882	5	8	7	8	8	8	5	7	7
32	A04-342	5	8	7	7	8	8	6	7	7
33	A06-46	6	6	7	6	7	8	6	7	7
34	A05-TB-382	6	6	7	7	8	7	7	7	6
35	H99-1653	5	7	7	6	7	6	5	6	6
36	Blue Note	6	7	6	7	7	7	5	6	6
37	A10-1	5	6	7	6	8	8	5	7	6
38	A05-306	6	6	6	5	6	6	5	6	6
39	A03-1017	5	8	8	7	9	9	6	8	7
40	A04-74	5	8	8	7	8	8	6	7	7
41	RAD-849	7	6	6	6	6	6	5	6	7
42	Avid	5	8	7	7	7	8	6	7	7
43	Empire	6	8	7	6	8	7	7	7	7
44	Burl 3-51	6	7	7	6	8	8	6	7	6
45	Burl 06-11	6	7	7	6	7	6	5	6	7
46	PST-K4-3	6	7	7	6	6	7	6	7	6
47	PST-K9-90	5	7	8	6	6	7	6	7	7
48	PST-K10-106D	6	7	7	6	6	6	5	6	6
49	BAR Pp 119327	6	6	7	6	6	6	5	6	7
50	Barduke	5	7	7	5	6	6	5	6	6

Table 1. Data from the 2015 Kentucky bluegrass cultivar trial (continued).

		Genetic color	Quality ratings ¹						Uniformity	
			Apr	May	June	July	Aug	Sept		Oct
51	Baron	5	7	7	6	6	6	5	6	6
52	BAR VV 0709	6	6	6	5	6	6	5	6	6
53	BAR VV 112916	7	6	7	6	6	7	5	6	6
54	BAR Pp 110358	6	6	7	6	6	7	6	6	6
55	BAR Pp 119326	6	6	6	6	6	6	6	6	7
56	BAR VV 118532	6	6	6	6	8	8	6	7	6
57	Skye	6	6	7	6	6	7	5	6	7
58	AKB 2282	5	8	7	6	7	8	6	7	7
59	AKB 2555	6	7	7	7	8	7	7	7	7
60	A00-4199	5	8	7	7	7	7	5	7	7
61	A06-26	6	7	6	6	6	7	6	6	6
62	Pick TD8	6	7	7	7	7	8	6	7	6
63	SRX 5321	6	6	6	6	7	7	6	6	6
64	Pick TD9	5	7	7	6	7	6	5	6	6
65	Blackjack	6	7	7	6	7	7	6	6	7
66	Arrowhead	6	7	7	7	7	6	6	7	7
67	PST-K9-99	7	6	6	6	6	6	5	6	6
68	PST-07-261	6	7	7	5	6	7	6	6	6
69	PST-T10-18	5	7	6	6	6	6	5	6	6
70	PST-K4-7	5	6	7	6	7	7	6	7	6
71	PST-K9-97	6	6	6	7	7	7	6	6	6
72	4S2W	6	6	6	7	6	6	6	6	7
73	3733	6	7	7	6	8	7	6	7	7
74	A05-315	6	6	7	6	6	7	5	6	6
75	A05-999	5	6	7	6	6	6	6	6	7
76	A06-47	5	6	6	6	7	7	6	6	6
77	RAD-507	6	6	7	6	6	7	5	6	7
78	A04-36	6	6	7	6	7	7	5	6	6
79	Shamrock	5	7	6	6	7	7	6	7	6
80	A01-1106	6	7	7	7	7	8	7	7	7
81	Midnight	5	8	8	6	7	7	5	7	7
82	Thermal Blue	6	6	6	6	7	6	5	6	6
LSD 0.05		1	1	1	1	1	2	1	1	NS

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