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NTEP Kentucky Bluegrass Study 2014

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Abstract

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.

Keywords

Horticulture, Turfgrass

Disciplines

Agricultural Science | Agriculture | Agronomy and Crop Sciences | Horticulture | Natural Resources and Conservation

NTEP Kentucky Bluegrass Study 2014

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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 2014 from May 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 2014 season. The mean quality rating also was calculated for each cultivar. The genetic color and uniformity data were taken in June 2014. 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. This resulted in no significant differences in quality during the months of May, July, and August. We will continue to take data for one more year. The data also are submitted to NTEP each year and it will be included in their yearly report with data from all of the other states that are 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. Kentucky bluegrass quality ratings.

No.	Cultivar	Genetic color	SP Green up	Quality ratings ¹						Mean Q	Uni-formity
				May	June	July	Aug	Sept	Oct		
1	BAR 12PP 612	7	5	5	7	7	7	7	6	6	7
2	BAR 8PP 504	7	5	6	7	7	5	6	6	6	7
3	America	6	6	6	6	6	6	7	6	6	8
4	A05-361	7	6	6	7	7	6	7	6	7	7
5	Cabernet	8	6	7	7	7	7	7	7	7	8
6	Award	8	5	7	8	6	7	7	7	7	7
7	Nu Chicago	8	5	7	8	8	7	8	8	8	7
8	Kenblue	6	5	6	5	6	7	6	6	6	6
9	J-1770	8	5	7	7	8	6	8	7	7	7
10	J-1136	9	6	7	8	7	8	8	9	8	8
11	Rush	8	5	7	8	7	7	8	8	7	9
12	Sudden Impact	8	5	7	8	7	7	7	7	7	8
13	J-1853	8	5	6	8	7	7	7	6	7	7
14	A05-204	8	5	7	7	6	7	6	6	7	7
15	A05-329	8	5	6	7	6	6	7	7	6	6
16	A98-344	8	5	7	7	7	8	7	8	7	7
17	A98-363	6	6	5	6	6	6	6	6	6	7
18	RAD-1492	7	4	6	7	6	6	7	7	7	8
19	A04-38	7	4	6	6	6	6	7	7	6	7
20	A05-360	7	6	7	7	7	7	7	7	7	8
21	PpH 9131	6	6	6	6	7	7	7	6	7	7
22	DPPp 818	6	4	6	6	7	6	7	6	6	7
23	Pp 10847	7	5	6	7	7	6	6	6	6	7
24	Pick 033	6	5	6	6	7	6	8	8	7	7
25	Pick MP07	6	4	5	6	7	5	6	6	6	7
26	Pick 4340	8	5	7	7	7	6	7	8	7	8
27	SRX 466	7	5	6	7	6	5	7	7	7	7
28	SRX 2758	8	6	7	7	7	6	8	9	7	7
29	SRX 4338	7	5	6	7	7	6	7	6	7	8
30	LTP-08-6	7	5	6	8	7	7	7	8	7	7
31	A00-2882	7	6	7	7	7	7	8	8	7	7
32	A04-342	8	5	6	7	7	7	7	7	7	7
33	A06-46	7	6	6	7	7	6	7	7	7	7
34	A05-TB-382	6	5	7	6	7	7	7	7	7	7
35	H99-1653	6	5	6	6	7	6	6	6	6	7
36	Blue Note	7	5	7	7	6	6	8	7	7	8
37	A10-1	7	5	6	7	6	6	7	7	7	7
38	A05-306	6	5	6	6	6	6	6	6	6	6
39	A03-1017	8	5	7	8	7	7	7	8	7	7
40	A04-74	8	5	6	8	8	8	7	7	7	8
41	RAD-849	7	6	6	6	7	6	6	6	6	7
42	Avid	7	4	6	8	7	7	7	7	7	8
43	Empire	8	5	6	7	7	7	8	7	7	8

Table 1. Kentucky bluegrass quality ratings (continued).

No.	Cultivar	Genetic color	SP Green up	Quality ratings ¹						Mean Q	Uni-formity
				May	June	July	Aug	Sept	Oct		
44	Burl 3-51	8	5	6	8	7	7	9	8	7	7
45	Burl 06-11	6	5	6	7	6	6	6	6	6	7
46	PST-K4-3	8	5	7	8	7	7	7	7	7	8
47	PST-K9-90	8	4	6	7	8	7	7	7	7	6
48	PST-K10-106D	6	6	7	6	7	7	7	7	7	7
49	BAR Pp 119327	6	5	7	6	7	7	7	6	7	7
50	Barduke	6	5	6	6	7	7	6	7	7	7
51	Baron	7	5	6	7	7	7	7	7	7	7
52	BAR VV 0709	6	6	6	6	7	6	6	6	6	8
53	BAR VV 112916	6	8	7	6	6	6	6	6	6	8
54	BAR Pp 110358	6	6	6	6	7	6	7	6	6	7
55	BAR Pp 119326	6	5	6	6	6	6	6	7	6	6
56	BAR VV 118532	6	6	7	6	7	7	7	7	7	7
57	Skye	7	5	7	6	6	6	6	6	6	8
58	AKB 2282	8	4	6	8	7	7	8	7	7	6
59	AKB 2555	7	5	6	6	7	6	8	7	7	7
60	A00-4199	7	4	5	7	7	6	6	7	6	7
61	A06-26	7	4	6	7	7	6	6	5	6	6
62	Pick TD8	7	5	6	7	7	6	6	7	7	7
63	SRX 5321	6	5	7	7	7	6	6	6	6	8
64	Pick TD9	7	6	7	7	7	6	6	7	7	7
65	Blackjack	8	5	6	7	6	6	6	6	6	7
66	Arrowhead	6	6	7	7	7	7	7	7	7	8
67	PST-K9-99	6	5	6	6	6	6	6	5	6	7
68	PST-07-261	8	5	6	7	7	6	7	6	7	7
69	PST-T10-18	6	5	5	6	6	6	6	6	6	7
70	PST -K4-7	7	6	7	6	8	6	7	6	7	7
71	PST-K9-97	7	5	7	6	7	7	7	7	7	7
72	4S2W	7	4	7	8	7	6	7	7	7	7
73	3733	7	5	6	7	7	7	7	7	7	7
74	A05-315	7	6	6	7	6	7	7	8	7	7
75	A05-999	7	6	6	7	7	6	6	6	7	7
76	A06-47	7	5	6	7	6	6	7	6	6	7
77	RAD-507	7	5	6	7	7	6	7	7	7	7
78	A04-36	6	4	6	6	6	6	7	7	7	8
79	Shamrock	6	6	7	6	6	7	7	6	7	7
80	A01-1106	8	5	7	8	7	8	7	8	8	8
81	Midnight	8	5	7	8	7	6	8	7	7	8
82	Thermal Blue	6	5	6	6	6	6	6	7	6	8
LSD 0.05		1	2	NS	2	NS	NS	1	1	1	1

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