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Kentucky Bluegrass Cultivar Study

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Kentucky Bluegrass Cultivar Study

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

RFR A1221, Horticulture, Turfgrass

Disciplines

Agricultural Science | Agriculture | Horticulture

Kentucky Bluegrass Cultivar Study

RFR-A1221

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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 by 5 ft and the study is replicated three times. Genetic color ratings were conducted in June and uniformity ratings were conducted in July. Quality ratings were conducted monthly in

2012. Ratings are based on a scale of 9 = best quality and 1 = lowest quality. A rating of six or above is considered to be acceptable.

Results and Discussion

Table 1 contains genetic color ratings, uniformity ratings, and quality ratings for the 2012 season. The mean quality rating was calculated for each cultivar. The trial is just beginning to mature. We will continue to take data for three more years. The data is also 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 ntep.org.

Acknowledgements

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

Table 1. Kentucky bluegrass genetic color, uniformity, and quality ratings for 2012.

Cultivar	Genetic Color	Uniformity	Quality ^a							Mean q
			April	May	June	July	Aug	Sept	Oct	
1 BAR 12PP 612	7	6	4	4	5	5	5	5	5	6
2 BAR 8PP 504	7	7	4	6	6	7	6	6	7	7
3 America	6	6	4	5	6	7	6	6	7	7
4 A05-361	7	5	4	5	5	7	5	6	6	6
5 Cabernet	7	6	4	4	5	6	6	5	6	6
6 Award	7	6	3	5	5	7	6	6	7	6
7 Nu Chicago	7	6	4	5	6	5	6	6	7	6
8 Kenblue	7	6	5	6	6	7	5	5	6	7
9 J-1770	7	7	4	5	5	6	6	6	6	6
10 J-1136	7	6	5	5	5	6	7	6	6	7
11 Rush	8	7	4	5	6	7	7	7	7	7
12 Sudden Impact	7	5	4	5	5	6	6	6	6	6
13 J-1853	7	5	4	5	6	7	6	5	6	7

Table 1. Kentucky bluegrass genetic color, uniformity, and quality ratings for 2012 (continued).

Cultivar	Genetic Color	Uniformity	Quality ^a							Mean q
			April	May	June	July	Aug	Sept	Oct	
14 A05-204	7	5	3	5	4	6	6	5	5	6
15 A05-329	7	5	3	4	4	6	7	6	5	6
16 A98-344	9	7	4	6	6	7	7	7	8	7
17 A98-363	6	6	3	5	5	6	6	6	6	6
18 RAD-1492	6	5	4	5	5	5	5	5	5	6
19 A04-38	6	6	5	6	6	6	6	6	7	7
20 A05-360	6	6	5	6	7	8	7	7	7	8
21 PpH 9131	6	6	4	5	6	6	6	5	6	6
22 DPPp 818	7	6	4	5	5	6	5	5	6	6
23 Pp 10847	5	5	5	4	5	6	6	6	7	7
24 Pick 033	7	5	4	6	5	6	6	6	7	7
25 Pick MP07	6	5	4	5	6	5	6	5	6	6
26 Pick 4340	7	6	4	5	5	6	6	6	7	7
27 SRX 466	6	6	4	6	4	6	5	6	6	6
28 SRX 2758	7	6	4	5	6	6	6	6	6	7
29 SRX 4338	7	7	5	6	7	7	7	7	7	8
30 LTP-08-6	8	6	4	5	5	6	6	5	6	6
31 A00-2882	8	6	4	5	6	6	7	6	7	7
32 A04-342	8	6	4	6	5	7	7	7	7	7
33 A06-46	6	5	4	5	5	6	6	6	6	6
34 A05-TB-382	6	6	4	5	5	5	6	6	6	6
35 H99-1653	5	6	5	6	7	6	5	6	7	7
36 Blue Note	7	5	4	5	5	6	6	6	5	6
37 A10-1	7	7	5	6	7	7	7	6	7	7
38 A05-306	6	6	5	6	6	6	5	6	6	7
39A03-1017	8	6	3	4	5	6	6	5	6	6
40 A04-74	7	6	4	5	5	6	6	6	6	6
41 RAD-849	6	6	4	5	6	7	6	6	6	7
42 Avid	7	6	4	5	5	6	7	6	6	7
43 Empire	8	6	4	5	5	6	6	5	6	6
44 Burl 3-51	8	6	4	5	5	5	6	6	6	6
45 Burl 06-11	6	5	5	6	5	5	5	5	5	6
46 PST-K4-3	6	5	4	6	5	6	6	5	6	6
47 PST-K9-90	8	6	4	5	5	5	6	6	7	6
48 PST-K10-106D	8	6	4	5	6	7	6	7	7	7
49 BAR Pp 119327	7	5	4	5	6	6	6	6	7	7
50 Barduke	7	6	4	5	6	6	6	6	7	7

Table 1. Kentucky bluegrass genetic color, uniformity, and quality ratings for 2012 (continued).

Cultivar	Genetic Color	Uniformity	Quality ^a							Mean q
			April	May	June	July	Aug	Sept	Oct	
51 Baron	7	5	4	5	5	6	6	6	7	6
52 BAR VV 0709	6	7	5	6	7	6	6	6	6	7
53 BAR VV 112916	7	6	5	6	5	5	6	5	6	6
54 BAR Pp 110358	6	6	4	6	6	6	6	6	7	7
55 BAR Pp 119326	6	7	5	7	8	7	6	7	7	8
56 BAR VV 118532	6	7	5	6	6	6	6	7	7	7
57 Skye	7	6	5	6	6	6	6	6	7	7
58 AKB 2282	8	5	3	4	5	6	6	6	6	6
59 AKB 2555	7	5	4	4	5	5	5	5	6	6
60 A00-4199	7	6	4	5	6	6	5	6	7	7
61 A06-26	7	5	3	5	6	6	6	5	5	6
62 Pick TD8	7	6	4	5	5	6	6	5	6	6
63 SRX 5321	6	5	4	5	5	6	6	7	7	7
64 Pick TD9	7	5	4	6	6	7	6	6	7	7
65 Blackjack	6	5	4	5	6	6	5	6	6	6
66 Arrowhead	7	6	4	6	6	7	7	6	6	7
67 PST-K9-99	6	6	4	5	5	7	6	5	6	7
68 PST-07-261	7	5	3	5	5	5	6	5	6	6
69 PST-T10-18	7	6	4	5	5	6	6	5	6	6
70 PST -K4-7	7	6	5	6	6	6	7	7	6	7
71 PST-K9-97	7	5	4	4	4	5	6	5	5	6
72 4S2W	6	4	4	5	4	6	5	6	6	6
73 3733	7	5	3	5	5	6	6	5	6	6
74 A05-315	6	5	4	5	6	5	5	5	6	6
75 A05-999	6	6	3	6	5	5	6	5	6	6
76 A06-47	6	6	4	5	5	6	6	6	7	6
77 RAD-507	7	5	3	5	5	5	6	5	6	6
78 A04-36	6	5	4	5	5	6	6	6	6	6
79 Shamrock	6	7	5	6	6	7	7	6	7	7
80 A01-1106	7	6	4	5	5	6	6	5	6	6
81 Midnight	7	6	4	6	6	6	6	6	7	7
82 Thermal Blue	6	6	4	5	6	6	6	6	6	7
LSD 0.05	1	1	1	1	2	1	NS	NS	NS	1

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