

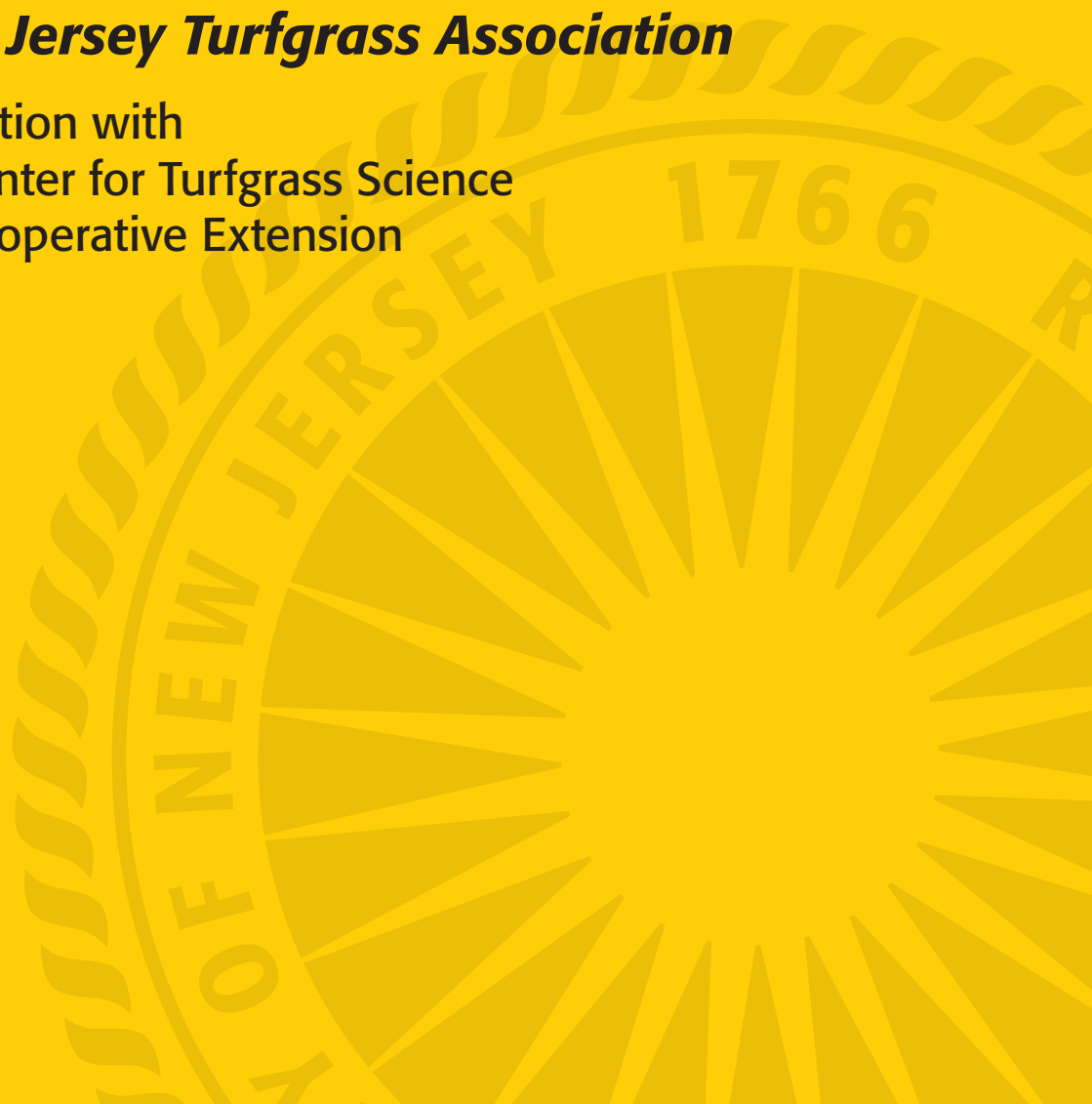
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2011 Turfgrass Proceedings

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In Cooperation with
Rutgers Center for Turfgrass Science
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The Rutgers Turfgrass Proceedings is published yearly by the Rutgers Center for Turfgrass Science, Rutgers Cooperative Extension, and the New Jersey Agricultural Experiment Station, School of Environmental and Biological Sciences, Rutgers, The State University of New Jersey in cooperation with the New Jersey Turfgrass Association. The purpose of this document is to provide a forum for the dissemination of information and the exchange of ideas and knowledge. The proceedings provide turfgrass managers, research scientists, extension specialists, and industry personnel with opportunities to communicate with co-workers. Through this forum, these professionals also reach a more general audience, which includes the public.

This publication includes lecture notes of papers presented at the 2011 GREEN EXPO Turf and Landscape Conference. Publication of these lectures provides a readily available source of information

covering a wide range of topics and includes technical and popular presentations of importance to the turfgrass industry.

This proceedings also includes research papers that contain original research findings and reviews of selected subjects in turfgrass science. These papers are presented primarily to facilitate the timely dissemination of original turfgrass research for use by the turfgrass industry.

Special thanks are given to those who have submitted papers for this proceedings, to the New Jersey Turfgrass Association for financial assistance, and to Barbara Fitzgerald, Anne Diglio, and Ann Jenkins for administrative and secretarial support.

Dr. Ann Brooks Gould, Editor
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PERFORMANCE OF KENTUCKY BLUEGRASS CULTIVARS AND SELECTIONS IN NEW JERSEY TURF TRIALS

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Kentucky bluegrass (*Poa pratensis* L.) is one of the most widely used and well known cool-season turfgrasses in the United States and Canada. Kentucky bluegrass spreads through underground stems called rhizomes. This rhizomatous growth habit allows for Kentucky bluegrass to hold up well under stress and recover quickly from damage while still maintaining a uniform complete turf cover. Kentucky bluegrass is a highly desired turfgrass for a large variety of applications; however, its widespread utility is limited by some factors. While Kentucky bluegrass is an excellent turfgrass in sunny to partly shaded microclimates as long as adequate nutrition is supplied, it often is outperformed in low light or low fertility microclimates.

The extensive rhizome system of Kentucky bluegrass is one of the reasons that this species is popular and widely used in sports turf in the northeastern United States. Rhizomes provide superior playability by reducing the damage caused by divoting and provide a smooth, uniform playing surface which helps to improve player safety. Evaluations of Kentucky bluegrass for wear tolerance and under low mowing heights have been conducted throughout the country to determine which cultivars are best for use in golf course fairways.

Kentucky bluegrass, almost exclusively, reproduces asexually though a process known as apomixis. While this makes crosses between plants difficult to perform, apomixis in Kentucky bluegrass also results in some advantages in the breeding process. It allows for the opportunity to lock hybrid vigor and produce true-to-type seeds from superior plants generation after generation. Over the past several decades, more than 200 cultivars of Kentucky bluegrass have been released.

Texas bluegrass, a species native to Texas and Oklahoma, is a dioecious species that is far more tolerant of heat and drought stress than Kentucky bluegrass. Crosses between Texas bluegrass female plants and Kentucky bluegrass are made to increase the tolerance of Kentucky bluegrass hybrids to these stresses and ultimately increase its adapted range into the transition zone.

Breeders are endlessly searching the world to obtain new germplasm in an attempt to continue to broaden the genetic bases of these two species. These collection trips and germplasm acquisitions are used in breeding programs to obtain new genes for stress tolerances and disease resistance and will be used to develop new cultivars. In addition to this breeding work, Rutgers participates in the National Turfgrass Evaluation Program (NTEP), which is sponsored by the USDA Beltsville Agricultural Research Center and National Turfgrass Federation, Inc. NTEP is a program which through the cooperation of many institutions nationwide, tests different turfgrass cultivars and selections in many different environments in order to assess their performance in a broad range of locations.

PROCEDURES

Ten Kentucky bluegrass trials were seeded from 2007 to 2010. Six of these trials (Tables 1, 3, 5, 7 to 10) were located at the Rutgers Plant Biology and Pathology Research and Extension Farm at Adelphia, NJ, and three trials (Tables 2, 4, and 6) were located at the Rutgers Horticulture Research Farm II in North Brunswick, NJ.

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These trials were planted by sowing a maximum of 0.53 oz of seed in 3 x 5 ft plots. This maximum rate is equivalent to 2.2 lb of seed per 1000 ft². The trials were all arranged in a randomized complete block design with three replications. Annual nitrogen rates as well as the mowing heights for each trial are presented in Table 11. Nitrogen rates were not constant for all of the fields in order to prevent disease and or foster recovery from various stresses. Nitrogen application rates never exceeded 0.75 lb per 1000 ft². Mowing heights were maintained by using a reel mower for trials maintained at 1.5 inches and by a rotary mower for the trials maintained in at 3 inches.

After establishment, annual weeds were controlled using spring and summer applications of Dimension, and broadleaf weeds were controlled with fall and or spring applications of 2,4-D, dicamba, and MCPP. Merit was applied in August to control grubs on all tests presented. Depending on soil test results, soil pH was maintained between 6.0 and 6.5 with granular dolomitic limestone. Tests were irrigated during establishment and also when needed to avoid severe drought stress.

The 2008 and 2009 established fields at North Brunswick (Tables 4 and 6) and the 2010 field at Adelphia (Table 10) were designed as low maintenance tests. These trials were maintained at three inches, allowed to become drought stressed, and only irrigated in the late summer to aid recovery. In addition to these low maintenance trials, a trial planted at Adelphia in 2009 (Table 7) under pecan trees was designed as a shade test to further broaden the environmental conditions for Kentucky bluegrass evaluations.

Monthly ratings of all trials were conducted throughout the growing season for overall quality. Overall turf quality ratings are a visual rating which takes into account color, brightness, leaf texture, density, uniformity, damage due to disease and insects, and overall attractiveness of the plot. In addition to overall quality ratings, supplementary ratings were taken when differences became evident within the trials. These additional ratings include spring green-up (Tables 1, 3, 5 to 8), wear tolerance (Tables 1, 2, 5, and 8), recovery after wear (Tables 1, 5, and 8), winter color (Tables 3, 5, and 8), dollar spot (Table 3), drought tolerance (Tables 4, 6, and 10), establishment (Tables 9 and 10), leaf spot (Table 9), stem rust (Table 10), and seed heads (Table 10).

RESULTS

Spring Green-up

This trait indicates the wide range of genetic diversity within Kentucky bluegrass. Due to an increase in leaf elongation that occurs in response to increases in temperature and photoperiod (Parsons and Robson, 1980), cultivars adapted to this region are more sensitive to these conditions and may green up earlier in the spring. Cultivars and selections that are adapted to higher latitudes need more dramatic changes in temperature and photo period before spring green-up will begin. Cultivars such as Mystere and BlueNote rated high for spring green-up while cultivars such as Brilliant, NuBlue, and Rhythm exhibited slow spring green-up (Tables 1, 3, 5 to 8).

Wear

The ability of a turf stand to handle wear is an important trait to maintain the long-term quality and playability of the surface. Kentucky bluegrass is used extensively for sports fields in temperate climates due to its rhizomatous growth habit. Rhizomes help the turf recover from wear stress to form a uniform turf stand. As a result, the demand for traffic tolerant Kentucky bluegrass has continued to rise. Wear was simulated by using a novel wear simulator (Bonos et al., 2001), which is an engine-driven device with rotating rubber paddles that repeatedly hit the turf. Cultivars that maintained a high level of quality while under wear stress included Bewitched, Alpine, and Jump Start; cultivars such as Moonlight and Orfeo did not (Tables 1, 2, 5, and 8).

Wear Recovery

Similar to the importance of a turf's ability to withstand wear without deteriorating in quality, a turf's ability to become damaged by wear and rapidly recover is quite significant. After becoming highly worn, a turf that is able to quickly recover not only increases the amount of traffic it is able to tolerate over a season but it will also be less likely to be invaded by weeds. Cultivars such as Arrowhead, Prosperity, and Rhythm rated high for wear recovery while the cultivar Shamrock had low wear recovery (Tables 1, 5, and 8).

Winter Color

Kentucky bluegrass varieties vary greatly in color, especially during the winter months. While some

cultivars such as Mystere, Amanda, and Touchdown retain much of their green color throughout the winter, other cultivars such as Bandera, Bewitched, and Diva lose a great deal of theirs and look dull and brown (Tables 3, 5, and 8).

Dollar Spot

Dollar Spot (caused by *Sclerotinia homoeocarpa*) is a fungal disease of Kentucky bluegrass. The name of this disease is derived from the small, silvery, dollar-sized spots that appear on susceptible turfs. Dollar spot readily forms on bentgrasses mowed at putting green height and is also quite pathogenic to Kentucky bluegrasses. On Kentucky bluegrasses, which are mowed at higher cutting heights, the symptoms appear as larger, straw-colored spots (4 to 6 inches) that may coalesce into much larger areas as disease severity increases. Dollar spot is generally most severe under low levels of fertilization during periods of warm days and cool nights coupled with high humidity. Cultivars such as Emblem, Liberator, and Solar Eclipse showed good resistance to dollar spot while Juliet, Bandera, and Arrowhead appeared to be quite susceptible (Table 3).

Drought Tolerance

Kentucky bluegrasses are considered medium maintenance turfgrasses and can suffer severe stress during drought conditions. As water restrictions in communities nationally continue to become stricter the need for grasses capable of maintaining a high turf quality with limited water input increases. Characteristics such as root depth, root density, osmotic regulation, and leaf surface area:volume ratio can all affect drought tolerance or susceptibility. Cultivars such as Bedazzled, Bewitched, and BlueNote exhibited good drought tolerance while cultivars such as Full Moon, Camas, and Anastasia had very low turf quality under drought conditions (Tables 4, 6, and 10).

Establishment

Rapid establishment is an important characteristic to consumers, sod-growers, and other turf managers alike. Kentucky bluegrass is one of the slowest cool-season grasses to form a mature stand. Establishment can be influenced by a variety of factors such

as genetics, seed quality environment, management practices, and after-ripening dormancy. Caution should be exercised when interpreting the seedling vigor and establishment data of a given cultivar. After-ripening dormancy in newly harvested seed can significantly affect the stand. Other characteristics that affect establishment and seedling vigor include age of the seed, storage conditions, and environmental conditions at the time of seeding. Cultivars such as NuChicago, Touche, and Solar Eclipse all had high ratings for establishment while Boutique, Rubicon, and Spitfire established poorly (Tables 9 and 10).

Leaf Spot

Leaf spot (caused by the fungus *Drechslera poae*) is a foliar disease that affects Kentucky bluegrass primarily under the cloudy, wet conditions of spring. Leaf spot is often associated with low carbohydrate levels in the leaf tissue. Cultivars that green up early in the spring use their stored carbohydrates and as a result can be more susceptible to the disease. Alexa II, Emblem, and Solar Eclipse were minimally affected leaf spot while Action, Camas, and Cheetah appeared to be highly susceptible (Table 9).

SUMMARY

Kentucky bluegrass is grown for many uses under a diverse range of soil, environmental, and management conditions. As a result, there is a demand for cultivars that produce a durable, high quality turf for an assortment of uses and under a broad range of conditions. Improved resistance to important diseases, pests, and other abiotic stresses is needed if cultivars are expected to perform well in many situations.

ACKNOWLEDGMENTS

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Table 1. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2007 at Adelphia, NJ.

Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2011	Wear ³ July 2011	Wear Recovery ⁴ Aug. 2011
	2001-2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
1 A03-3590-6	6.2	6.3	6.4	6.3	6.0	4.3	5.7	4.3
2 A00-1400	5.9	6.4	6.2	5.6	5.4	3.7	4.0	3.7
3 A03-3597-1	5.9	6.0	6.1	5.6	5.8	4.3	5.3	4.0
4 Moonshadow	5.8	5.5	6.0	5.8	6.0	6.0	5.3	4.7
5 A03-3	5.8	6.2	5.9	5.6	5.5	6.7	3.7	3.3
6 Aura	5.8	6.0	6.0	5.8	5.4	7.7	4.3	4.3
7 A03-3606-8	5.8	6.1	6.1	5.6	5.3	3.7	5.0	4.7
8 A05-321	5.8	5.5	5.8	5.7	6.1	4.7	6.0	5.0
9 A96-1338	5.7	5.5	5.7	5.6	6.0	7.3	6.3	5.3
10 A04-68	5.7	6.0	5.9	5.6	5.2	6.7	4.7	4.0
11 PST-K7-40	5.7	6.1	5.8	5.7	5.1	4.7	6.3	5.3
12 Midnight II	5.6	5.7	5.8	5.3	5.8	3.0	6.0	4.3
13 95-2404	5.6	6.2	5.6	5.0	5.7	2.7	5.7	4.7
14 109-752	5.6	6.1	5.8	5.3	5.2	6.7	6.7	5.3
15 A04TB-258	5.6	5.0	5.4	5.3	6.8	7.7	7.3	8.3
16 A05-295	5.6	5.7	5.7	5.4	5.7	7.0	3.3	4.3
17 OAN-614	5.6	5.6	5.8	5.6	5.4	6.3	5.7	4.7
18 RAD-631	5.6	5.8	5.7	5.3	5.7	6.3	5.0	4.7
19 A97-1686	5.6	5.8	5.5	5.3	5.7	2.7	6.0	4.3
20 A05-361	5.5	5.2	5.7	5.4	5.8	6.3	4.3	4.0
21 AKB 449	5.5	5.9	5.9	5.1	5.2	4.3	4.0	4.7
22 A99-2758	5.5	5.6	5.8	5.2	5.5	4.7	4.7	4.7
23 A04-66	5.5	5.4	5.8	5.4	5.4	5.7	3.7	3.7
24 A05-351	5.5	5.3	5.5	5.6	5.6	3.3	5.0	3.3
25 A04-69	5.5	5.6	5.4	5.3	5.7	7.7	4.3	5.3

(Continued)

Table 1. Kentucky bluegrass turf trial, 2007 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2011	Wear ³ July 2011	Wear Recovery ⁴ Aug. 2011
		2001-2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
26	A99-2123	5.5	5.7	5.5	5.2	5.6	5.3	5.7	5.0
27	STR 2324	5.5	5.5	5.3	5.5	5.7	5.0	4.7	5.0
28	A99-2897	5.5	5.3	5.7	5.6	5.3	6.0	3.7	4.0
29	A00-1193	5.5	5.6	5.3	5.5	5.6	3.3	3.7	2.7
30	A98-708	5.5	6.3	5.7	4.7	5.3	6.0	3.7	5.0
31	Mystere	5.5	6.0	5.5	5.3	5.1	7.3	3.0	4.0
32	A03TB-965	5.5	5.3	5.4	5.7	5.4	2.3	4.7	4.3
33	A07-5	5.4	5.7	5.1	5.6	5.4	6.3	4.7	4.7
34	A05-366	5.4	5.5	5.4	5.5	5.3	3.7	4.7	4.3
35	P-105	5.4	5.7	5.3	5.3	5.4	3.3	5.0	3.3
36	A05-314	5.4	5.3	5.5	5.1	5.7	6.3	4.3	4.7
37	RAD-343	5.4	5.5	5.0	5.2	5.8	7.7	6.3	5.7
38	BDG-7-762	5.4	5.3	5.2	5.2	5.9	7.7	7.0	6.3
39	Odyssey	5.4	5.7	5.3	5.1	5.4	2.7	3.7	3.7
40	Beyond	5.4	6.0	5.4	4.9	5.2	3.0	4.0	4.7
41	PST-K4-7	5.4	5.0	5.7	5.5	5.3	5.0	5.3	5.0
42	A04-71	5.4	5.5	5.6	5.2	5.1	3.3	4.7	5.0
43	Tsunami	5.4	5.6	5.6	4.7	5.4	3.0	4.7	4.7
44	A06-84	5.3	6.2	5.2	4.6	5.3	6.7	3.7	4.0
45	PST-K7-39	5.3	5.2	6.0	5.1	5.1	3.0	5.3	5.0
46	Rhapsody	5.3	5.1	5.4	5.4	5.4	6.7	4.3	4.0
47	A03-7	5.3	5.2	5.2	5.8	5.1	7.0	4.5	3.5
48	Arcadia	5.3	5.9	5.5	4.7	5.1	2.7	4.3	4.7
49	A04TB-338	5.3	5.7	5.4	4.7	5.5	6.3	3.0	4.0
50	PST-K7-37	5.3	5.5	5.5	4.7	5.4	4.7	4.0	4.7

(Continued)

Table 1. Kentucky bluegrass turf trial, 2007 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2011	Wear ³ July 2011	Wear Recovery ⁴ Aug. 2011
	2001-2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
51 95-2024	5.3	5.4	5.6	4.7	5.4	3.0	4.7	4.7
52 04KYBGOT-14	5.3	5.0	5.3	5.2	5.6	7.0	4.0	3.7
53 Avalanche	5.3	4.7	5.1	5.2	6.1	7.0	7.0	5.7
54 STR 2485	5.3	5.1	5.0	5.2	5.9	7.3	6.0	5.3
55 RAD-507	5.3	5.5	5.2	5.1	5.3	6.0	4.0	3.7
56 Prosperity	5.3	5.1	5.3	5.5	5.2	2.7	5.7	4.3
57 Rhythm	5.3	5.5	5.3	4.9	5.3	3.0	5.0	4.0
58 Alpine	5.3	4.7	5.4	5.2	5.6	4.0	6.7	5.7
59 PST-K4-8	5.2	5.5	5.7	4.4	5.3	4.3	6.3	5.0
60 A05-364	5.2	6.0	5.5	4.6	4.8	5.7	4.0	3.7
61 A04-1489	5.2	6.1	5.0	4.6	5.1	3.3	5.0	3.7
62 A00-3037	5.2	5.5	5.1	5.1	5.1	6.7	5.3	4.3
63 BDG-7-343	5.2	5.1	5.0	5.1	5.6	6.3	6.7	5.7
64 Emblem	5.2	5.4	5.6	4.5	5.3	4.3	5.3	4.7
65 Yankee	5.2	5.6	5.0	5.0	5.1	4.3	5.3	5.3
66 A04-1375	5.2	5.9	5.2	4.3	5.3	4.3	4.7	3.7
67 Award	5.2	5.3	5.6	4.6	5.2	2.3	4.3	4.0
68 Jump Start	5.2	5.4	5.2	5.0	5.1	6.0	5.3	5.3
69 Argos	5.2	4.9	5.0	5.5	5.3	5.3	4.3	4.3
70 A01-583	5.2	5.5	5.3	5.0	4.8	5.0	4.0	3.3
71 Nuglade	5.2	5.7	5.5	4.2	5.3	2.7	4.3	4.0
72 Ginney	5.2	5.7	5.3	4.6	5.1	3.0	6.0	5.0
73 PST-T7-4	5.2	5.6	5.5	4.9	4.6	2.3	4.3	3.3
74 Dynamo	5.1	4.8	5.3	5.4	5.0	3.7	4.7	4.7
75 Moonlight	5.1	4.9	5.1	5.4	5.2	3.3	3.7	3.3

(Continued)

Table 1. Kentucky bluegrass turf trial, 2007 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2011	Wear ³ July 2011	Wear Recovery ⁴ Aug. 2011
	2001-2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
76 Longhorn	5.1	4.9	4.9	5.3	5.5	7.3	7.0	5.0
77 Rambo	5.1	5.5	5.3	4.6	5.1	3.0	4.7	4.3
78 Moonlight SLT	5.1	5.3	5.5	4.8	4.9	4.3	3.7	4.0
79 A07-3	5.1	5.1	5.4	4.9	5.1	6.3	2.3	4.0
80 Everest	5.1	5.4	5.3	4.7	5.1	3.0	4.3	4.3
81 PST-K7-34	5.1	4.9	5.1	5.1	5.4	3.0	3.0	4.3
82 A94MH-94	5.1	5.3	4.6	5.4	5.2	3.7	4.7	4.0
83 A96-363	5.1	5.5	5.1	5.2	4.7	5.3	3.3	2.7
84 PST-T7-7	5.1	5.6	4.9	5.0	5.0	4.7	4.0	4.7
85 Diva	5.1	5.0	4.8	5.4	5.2	4.3	4.7	4.3
86 Touche	5.1	4.9	4.9	4.8	5.7	6.7	6.0	5.0
87 Quantum Leap	5.1	5.3	5.3	4.9	5.0	3.0	4.0	3.7
88 A04-1347	5.1	4.9	5.1	5.1	5.3	4.0	4.7	3.0
89 A05-316	5.1	5.3	5.2	4.7	5.1	6.3	4.0	4.0
90 A06-23	5.1	5.5	5.0	5.0	4.8	3.3	3.0	3.7
91 PST-103-87	5.1	5.3	5.7	4.3	5.0	7.0	4.0	4.0
92 A04TB-275	5.1	5.1	5.3	4.6	5.3	7.3	5.3	4.7
93 A04-1342	5.1	5.0	5.1	4.7	5.4	5.0	5.0	4.3
94 Chicago II	5.0	4.8	5.5	4.4	5.5	3.3	4.7	4.3
95 A05-347	5.0	5.2	5.1	5.3	4.5	2.7	4.0	3.3
96 H02-647	5.0	5.0	5.1	4.8	5.2	2.7	6.3	4.0
97 H03-556	5.0	4.9	5.3	4.7	5.1	7.7	4.7	3.3
98 A05-325	5.0	4.7	5.1	5.3	5.0	5.0	5.0	4.7
99 A04-1470	5.0	5.7	5.0	4.9	4.4	4.0	4.0	3.3
100 A99-447	5.0	5.0	5.0	4.9	5.1	3.3	3.7	2.7

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(Continued)

Table 1. Kentucky bluegrass turf trial, 2007 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2011	Wear ³ July 2011	Wear Recovery ⁴ Aug. 2011
		2001-2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
101	PST-K4-9	5.0	6.2	5.8	3.9	4.1	5.0	2.3	3.7
102	A03-37	5.0	5.1	4.9	4.8	5.2	6.3	4.0	5.0
103	Liberator	5.0	5.0	5.5	4.2	5.2	2.3	4.0	4.3
104	A00-4019	5.0	5.6	5.1	5.3	4.0	4.3	2.7	3.7
105	98-15 White/Green	5.0	5.3	5.1	4.7	4.9	4.3	3.0	3.0
106	NA-3248	5.0	4.5	5.0	5.2	5.3	7.3	6.7	4.7
107	A05-201	5.0	4.8	5.0	4.9	5.1	7.0	5.0	4.7
108	RAD-630	5.0	5.1	5.1	4.7	4.9	7.7	3.3	4.7
109	A05-322	4.9	4.7	4.9	5.2	4.9	4.7	4.7	5.0
110	A98-3366	4.9	5.0	5.2	4.4	5.1	4.3	4.0	4.3
111	RAD-510	4.9	5.1	5.2	4.1	5.3	6.0	4.0	4.7
112	A98-948	4.9	4.6	4.8	4.8	5.5	7.0	4.3	3.7
113	A99-1799	4.9	4.7	4.7	4.8	5.5	7.0	4.7	3.7
114	PST-K4-3	4.9	4.7	5.3	4.5	5.2	5.3	3.3	4.3
115	A98-1001	4.9	4.7	4.7	5.1	5.1	7.3	4.3	4.7
116	H02-608	4.9	5.3	5.2	4.3	4.8	3.0	5.0	3.7
117	SR 2100	4.9	5.3	4.7	4.8	4.7	4.0	5.3	4.3
118	Starburst	4.9	4.7	4.7	4.4	5.8	8.0	4.3	5.0
119	A03-51	4.9	5.7	5.1	4.2	4.5	4.3	4.0	4.0
120	A05TB-386	4.9	4.5	5.1	4.6	5.3	4.7	4.3	5.3
121	A04-1474	4.9	5.5	4.9	4.5	4.5	3.3	5.0	4.3
122	A04-1381	4.9	5.4	4.9	4.4	4.8	4.0	4.7	4.0
123	A05-345	4.9	4.7	5.1	4.9	4.7	4.3	2.3	2.7
124	Brilliant	4.9	5.0	4.8	4.8	4.8	2.7	4.0	3.7
125	Pick 366	4.9	5.2	5.2	4.5	4.5	6.0	3.7	4.7

(Continued)

Table 1. Kentucky bluegrass turf trial, 2007 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2011	Wear ³ July 2011	Wear Recovery ⁴ Aug. 2011
		2001-2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
	126 A04-1315	4.8	5.2	4.5	4.7	5.0	4.7	6.0	4.3
	127 A04-1272	4.8	5.4	5.0	4.2	4.8	4.7	1.7	2.7
	128 High Noon	4.8	5.1	5.1	4.0	5.2	7.7	3.0	4.0
	129 A04-1488	4.8	5.3	4.5	4.8	4.7	4.0	3.3	3.3
	130 A05TB-275	4.8	4.9	4.7	4.8	4.9	6.7	2.7	3.7
	131 A04-1415	4.8	5.1	4.9	4.6	4.7	6.7	4.7	4.0
	132 A99-2717	4.8	4.9	4.6	5.0	4.8	4.3	4.7	4.3
	133 Fielder	4.8	4.4	4.8	4.8	5.2	6.7	5.0	4.7
	134 Julia	4.8	5.4	4.9	4.4	4.5	6.7	5.0	5.0
76	135 A05-297	4.8	4.7	5.0	4.8	4.7	2.3	2.7	3.3
	136 H04-CTBT-295	4.8	5.1	4.6	5.2	4.3	3.0	3.7	4.3
	137 Blue Sapphire	4.8	5.0	4.9	4.1	5.3	3.7	4.7	4.7
	138 A01-245	4.8	5.1	4.6	4.8	4.7	4.0	2.7	4.3
	139 Nobel	4.8	4.7	4.7	5.0	4.8	3.3	2.3	2.7
	140 Moonshine	4.8	4.5	4.6	4.9	5.1	7.0	5.0	4.7
	141 A05-323	4.8	4.6	4.7	4.7	5.1	5.0	4.7	5.0
	142 PST-1G4-68	4.8	5.2	4.8	4.6	4.5	5.0	3.3	4.3
	143 A04-1268	4.8	5.5	4.8	4.1	4.6	5.3	4.0	3.7
	144 A04-1557	4.7	4.9	4.7	5.0	4.3	3.3	6.0	5.0
	145 PST-103-412	4.7	5.3	4.9	4.3	4.4	5.0	3.3	3.7
	146 BDG-7-474	4.7	5.3	5.5	3.9	4.3	7.0	3.3	4.7
	147 RSP	4.7	4.7	4.7	4.5	5.1	9.0	5.0	5.7
	148 PST-109-996	4.7	5.1	4.9	4.1	4.7	5.3	5.0	4.3
	149 A93-201	4.7	4.7	4.8	4.6	4.8	6.3	3.7	4.0
	150 Wildhorse	4.7	4.4	4.6	4.6	5.3	7.7	4.7	4.0

(Continued)

Table 1. Kentucky bluegrass turf trial, 2007 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2011	Wear ³ July 2011	Wear Recovery ⁴ Aug. 2011
	2001-2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
151 Pick 711	4.7	4.8	4.7	4.6	4.7	4.0	4.0	4.3
152 H99-384	4.7	4.7	4.6	4.5	4.9	8.7	5.7	5.0
153 A98-3322	4.7	5.1	4.3	5.0	4.5	7.3	6.0	5.0
154 A03-8	4.7	4.3	4.9	4.6	5.0	9.0	5.3	5.7
155 Moon Beam	4.7	4.8	5.1	4.2	4.7	3.7	4.7	4.3
156 Ulysses	4.7	4.7	4.6	4.5	5.0	5.3	4.7	5.3
157 Rush	4.7	5.1	5.3	4.2	4.2	4.3	4.0	4.7
158 PST-K7-30	4.7	3.8	4.7	5.0	5.3	5.0	4.3	5.0
159 RAD-232	4.7	5.1	4.6	4.1	4.9	6.3	5.7	5.0
160 A05-203	4.7	4.9	4.6	4.8	4.5	5.3	3.3	4.0
161 SR 2109	4.7	5.0	4.6	5.0	4.0	4.3	3.7	2.3
162 A02-1429	4.7	5.4	4.5	4.7	4.0	3.0	5.3	4.3
163 A05-204	4.7	4.9	4.5	4.8	4.5	3.7	2.3	3.3
164 A00-891	4.7	4.7	4.7	4.7	4.5	3.3	3.0	2.3
165 A06-36	4.7	5.0	4.6	4.5	4.5	3.7	4.7	4.3
166 PST-K7-22	4.7	5.4	5.0	4.3	3.9	4.3	3.7	3.3
167 PST-K7-24	4.6	4.4	4.6	4.6	5.0	6.0	6.0	5.7
168 PST-K4-15	4.6	4.9	4.6	3.9	5.1	4.7	5.7	4.7
169 SR 2284	4.6	4.7	4.4	4.6	4.8	4.0	3.7	4.0
170 A05-333	4.6	4.5	4.7	4.7	4.6	3.7	4.0	4.7
171 Mystique	4.6	4.6	4.7	4.7	4.4	4.0	4.3	4.7
172 H94-305	4.6	4.7	4.5	4.6	4.6	7.7	3.7	4.7
173 STR 23078	4.6	4.8	4.7	4.1	4.8	4.3	4.3	3.7
174 PST-K7-31	4.6	4.9	4.5	4.2	4.8	4.7	5.3	4.7
175 RAD-513	4.6	4.6	4.7	4.6	4.5	3.0	4.3	4.3

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(Continued)

Table 1. Kentucky bluegrass turf trial, 2007 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2011	Wear ³ July 2011	Wear Recovery ⁴ Aug. 2011
		2001-2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
	176 RAD-640	4.6	4.7	5.1	4.0	4.6	5.3	4.7	4.7
	177 04KYBGOT-1	4.6	4.7	4.3	4.4	4.9	4.7	3.3	3.3
	178 A98-344	4.6	5.2	4.4	4.7	3.9	2.3	2.3	3.0
	179 Hunnington	4.6	4.7	4.0	4.6	5.0	5.3	4.3	4.7
	180 Blacksburg	4.6	4.7	4.3	4.5	4.7	4.7	5.7	4.7
	181 A91-703	4.6	5.3	5.0	3.9	4.1	6.3	1.3	3.0
	182 A04-1417	4.5	5.0	4.3	4.3	4.5	2.3	5.0	3.7
	183 A97-1328	4.5	4.5	4.6	4.4	4.6	6.0	4.0	4.5
	184 H01-844	4.5	4.7	4.7	4.4	4.4	7.3	4.0	4.0
78	185 PST-T7-6	4.5	5.0	4.6	4.0	4.5	7.7	3.7	4.0
	186 PST-K4-5	4.5	5.1	5.0	3.9	4.1	6.3	4.7	4.0
	187 RAD-502	4.5	5.2	4.3	4.3	4.3	6.7	2.7	4.0
	188 Mallard	4.5	4.4	4.5	4.6	4.6	4.0	3.3	3.0
	189 A04TB-212	4.5	5.3	4.2	4.0	4.6	5.7	4.7	5.3
	190 STR 23064	4.5	4.7	4.2	4.2	5.0	5.3	4.7	5.0
	191 A03-TB-677	4.5	4.4	4.6	4.5	4.5	6.0	2.7	2.7
	192 K7-35	4.5	4.2	5.2	3.9	4.7	4.7	4.3	5.0
	193 A04-1547 (HV-67)	4.5	4.4	4.3	4.9	4.4	5.3	3.3	4.0
	194 PST-K7-32	4.5	4.7	4.7	4.0	4.6	3.3	3.7	3.7
	195 STR 2451	4.5	4.6	4.3	4.5	4.6	3.3	4.3	4.3
	196 A04-1569	4.5	4.8	4.4	4.4	4.3	2.3	4.3	3.3
	197 A03-25	4.5	4.3	4.4	4.7	4.5	8.0	5.7	5.0
	198 Guinness	4.5	4.1	4.7	4.3	4.8	6.7	4.3	4.3
	199 NuBlue	4.5	4.9	4.6	3.7	4.7	8.0	4.3	4.7
	200 KH9739	4.5	4.3	4.2	4.9	4.4	5.3	4.0	4.3

(Continued)

Table 1. Kentucky bluegrass turf trial, 2007 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2011	Wear ³ July 2011	Wear Recovery ⁴ Aug. 2011
		2001-2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
	201 STR 2278	4.5	4.4	4.6	4.7	4.2	3.3	4.0	4.0
	202 Rugby II	4.5	4.3	4.7	4.0	4.9	3.3	4.0	4.3
	203 PST-T7-8	4.5	4.7	4.6	4.4	4.1	4.0	3.0	3.0
	204 STR 235	4.5	4.1	4.3	4.7	4.8	3.3	3.3	3.0
	205 A06-596	4.4	5.1	4.6	4.3	3.9	3.7	5.3	3.7
	206 A05-200	4.4	4.7	4.5	4.5	4.1	5.0	3.3	4.3
	207 Everglade	4.4	4.2	5.0	4.1	4.4	5.3	4.3	4.3
	208 H99-1626	4.4	4.5	4.4	4.4	4.3	6.3	3.3	4.0
	209 A03-63	4.4	4.7	4.5	4.0	4.5	4.7	5.0	4.0
79	210 A03-TB 775	4.4	5.3	4.6	3.5	4.2	5.3	4.0	4.3
	211 Futurity	4.4	4.7	4.4	4.3	4.2	2.7	3.0	3.7
	212 05KYBGOT-43	4.4	4.1	4.6	4.8	4.1	3.0	3.7	3.7
	213 Kingfisher	4.4	4.5	4.3	4.3	4.4	3.7	4.0	4.0
	214 A05-847	4.4	5.0	4.8	3.9	3.9	5.3	3.0	2.3
	215 A00-8	4.4	4.8	4.3	4.2	4.3	9.0	5.0	4.7
	216 A04-1518	4.4	4.8	3.9	4.3	4.6	6.0	4.0	4.7
	217 A05-894	4.4	5.1	4.2	4.0	4.1	6.0	3.7	3.3
	218 PST-K7-23	4.4	4.5	4.3	4.3	4.4	5.3	6.0	5.3
	219 America	4.4	4.5	4.2	4.5	4.3	3.7	3.3	3.7
	220 Impact	4.4	4.1	4.7	4.0	4.6	3.7	3.7	4.0
	221 PST-K4-10	4.3	4.5	4.0	4.1	4.6	6.0	4.7	6.0
	222 A04-13	4.3	3.9	4.1	4.4	4.7	9.0	6.0	6.0
	223 STR 2553	4.3	4.1	4.2	4.5	4.4	3.3	4.0	4.3
	224 A04-1384	4.3	4.9	4.4	3.8	4.1	5.7	3.7	4.0
	225 04KYBGOT-8	4.3	4.5	4.2	4.3	4.1	3.0	4.0	3.7

(Continued)

Table 1. Kentucky bluegrass turf trial, 2007 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2011	Wear ³ July 2011	Wear Recovery ⁴ Aug. 2011
		2001-2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
	226 Full Moon	4.3	4.4	4.6	3.8	4.3	6.0	4.0	3.7
	227 PST-K4-4	4.3	4.5	4.9	3.2	4.4	4.7	3.0	3.3
	228 A03-72	4.3	4.5	4.3	4.0	4.2	5.3	4.0	4.3
	229 A03-71	4.3	4.3	4.3	4.1	4.3	4.0	3.0	3.3
	230 A00-TB 109	4.3	4.6	4.2	4.0	4.2	6.3	3.7	3.3
	231 Cheetah	4.3	5.0	4.4	3.7	4.0	4.7	4.3	3.7
	232 PST-T7-2	4.3	4.5	4.7	3.7	4.0	6.0	2.3	3.0
	233 PpH8510	4.2	4.8	4.3	3.9	3.8	4.3	2.7	3.7
	234 PST-K307	4.2	4.5	4.0	3.9	4.3	6.7	2.7	3.7
8	235 RAD-339	4.2	4.8	4.4	4.3	3.2	7.0	3.0	3.3
	236 RAD-551	4.2	4.0	4.4	3.7	4.5	5.7	4.7	4.7
	237 Rampart	4.2	4.3	4.2	4.5	3.8	4.7	4.3	4.3
	238 A07-7	4.2	5.1	4.3	3.5	3.8	4.0	2.7	4.3
	239 98-3 Green	4.2	5.0	4.2	3.7	3.7	3.7	3.3	3.3
	240 A03-29	4.2	3.9	4.1	4.2	4.5	8.3	4.7	4.3
	241 Bandera	4.2	4.7	4.3	4.0	3.6	3.7	2.3	3.0
	242 PST-K7-27	4.2	3.7	4.6	3.8	4.5	4.3	5.0	4.0
	243 PST-K4-18	4.2	4.3	4.2	4.2	3.9	3.7	3.7	4.7
	244 Spitfire	4.2	4.4	4.7	3.7	3.9	4.0	2.7	3.0
	245 04KYBGOT-7	4.1	4.1	4.2	4.2	4.0	3.0	3.3	3.7
	246 PST-K7-26	4.1	4.4	4.1	4.1	4.0	4.0	3.7	4.0
	247 Monte Carlo	4.1	4.2	4.1	4.4	3.8	2.7	2.3	2.7
	248 A04TB-192	4.1	4.5	4.1	3.7	4.1	6.0	3.7	3.7
	249 Touchdown	4.1	4.0	4.0	4.0	4.5	7.0	4.3	4.7
	250 PST-104-59	4.1	4.5	3.7	4.1	4.0	6.0	2.0	3.3

(Continued)

Table 1. Kentucky bluegrass turf trial, 2007 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2011	Wear ³ July 2011	Wear Recovery ⁴ Aug. 2011
		2001-2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
251	A02-976	4.1	4.2	4.0	3.9	4.2	6.0	3.3	4.3
252	Royale	4.1	4.1	4.2	3.7	4.4	6.0	4.7	3.7
253	A04-14	4.1	4.5	4.2	3.9	3.7	9.0	3.3	4.3
254	PST-106-692	4.1	3.7	4.1	4.1	4.4	4.3	3.3	3.7
255	O4KYBGOT-9	4.1	3.8	4.1	4.2	4.1	2.7	3.0	3.3
256	Blue Ridge	4.1	4.1	3.9	4.1	4.0	6.3	4.0	3.7
257	PST-K7-41G	4.0	3.5	4.2	4.4	4.1	5.3	4.7	4.0
258	Aviator	4.0	4.5	4.1	3.5	4.0	6.3	3.7	4.3
259	A06-636	4.0	4.4	4.2	3.8	3.7	3.7	3.7	2.3
260	STR 2509	4.0	3.7	4.0	4.5	3.9	3.0	3.7	4.7
261	PST-K7-38	4.0	5.0	3.8	3.5	3.8	4.0	3.3	4.0
262	A05-332	4.0	4.5	4.4	3.6	3.6	4.7	2.3	2.7
263	PST-T7-3	4.0	4.7	4.1	3.4	3.8	4.3	4.3	4.0
264	A05TB-382	4.0	3.9	3.5	4.0	4.6	6.7	3.7	4.0
265	Orfeo	4.0	4.5	4.1	3.5	4.0	5.0	2.7	3.7
266	RAD-602	4.0	4.1	4.3	3.7	3.8	7.3	3.0	4.3
267	A05-331	4.0	3.8	3.8	4.2	4.0	3.3	3.7	4.0
268	Katie	4.0	3.9	4.0	3.8	4.2	3.3	3.3	3.7
269	A99-3110	4.0	4.1	4.0	3.9	3.8	4.3	3.3	2.7
270	A04-15	3.9	4.2	3.9	4.0	3.6	9.0	4.0	4.7
271	A03-TB 788	3.9	3.5	4.0	3.8	4.4	5.3	3.7	4.3
272	PST-K7-36	3.9	3.6	4.1	3.9	4.1	4.7	3.7	4.3
273	PST-103-651	3.9	3.8	4.4	3.6	3.7	3.0	4.7	4.7
274	RAD-825	3.8	3.5	3.8	3.8	4.2	5.7	3.3	4.0
275	Thorough-Blue	3.8	4.0	3.7	3.7	3.8	7.7	3.0	4.0

(Continued)

Table 1. Kentucky bluegrass turf trial, 2007 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2011	Wear ³ July 2011	Wear Recovery ⁴ Aug. 2011
		2001-2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
276	A05-354	3.8	3.8	3.7	3.6	4.1	3.0	3.3	3.3
277	Corsair	3.8	4.0	4.3	3.0	3.8	5.0	4.3	3.7
278	Alleycat	3.7	3.9	3.5	3.4	4.1	3.0	2.7	4.0
279	PST-K7-28	3.7	2.9	4.4	3.4	4.2	4.3	4.0	4.0
280	PST-K7-44D	3.7	3.7	3.6	3.8	3.8	3.3	2.7	3.3
281	BDG-7-614	3.7	3.7	3.8	3.8	3.6	4.7	3.0	4.3
282	PST-K1011	3.7	3.7	3.9	3.4	3.9	6.3	2.0	3.0
283	Hawman	3.7	3.6	3.8	3.4	3.9	4.0	3.0	4.0
284	A05-350	3.7	3.5	4.0	3.8	3.4	4.3	2.7	3.3
285	PST-102-234-BS	3.6	3.7	3.7	3.3	3.7	3.3	2.0	3.3
286	RAD-614	3.6	3.9	3.5	3.6	3.6	5.7	2.3	3.3
287	PST-K7-29	3.6	3.5	3.5	3.8	3.7	3.3	3.0	3.3
288	A03-TB-423	3.6	4.3	3.7	3.3	3.1	6.0	2.5	3.0
289	T7-5	3.6	3.4	3.7	3.8	3.4	3.3	3.7	4.3
290	PST-K7-25	3.6	3.7	3.8	3.3	3.5	5.0	3.7	4.3
291	AKB254	3.5	3.1	3.6	4.1	3.4	5.0	3.7	4.0
292	Cadet	3.5	3.6	3.3	3.4	3.7	5.7	3.0	3.7
293	RAD-902	3.5	2.2	3.6	3.5	4.5	4.7	4.3	4.7
294	PST-K7-43D	3.4	4.1	3.7	2.7	2.9	5.3	2.7	2.7
295	PST-K7-19	3.3	2.1	3.8	3.4	3.8	4.7	3.0	4.3
296	PST-K4-6	3.2	3.4	3.6	2.5	3.4	3.3	3.7	4.0
297	A05-329	3.2	2.9	3.2	3.0	3.6	4.0	3.7	4.0
298	A03-411	3.1	2.1	2.3	2.4	2.6	5.0	4.0	3.0
299	STR 2332	2.2	1.0	1.6	2.6	3.5	4.7	3.0	4.0

(Continued)

Table 1. Kentucky bluegrass turf trial, 2007 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² April 2011	Wear ³ July 2011	Wear Recovery ⁴ Aug. 2011
	2001-2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
LSD at 5% =	0.6	0.9	0.8	0.9	0.8	1.7	1.7	1.8

¹9 = best turf quality

²9 = earliest spring green-up

³9 = least wear damage

⁴9 = best recovery from wear stress

Table 2. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2007 at North Brunswick, NJ.

Cultivar or Selection	-----Turf Quality ¹ -----					Wear ² July 2011
	2008-2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	
1 Prosperity	6.2	6.8	5.9	6.0	6.1	7.3
2 95-2404	6.1	6.2	5.8	5.8	6.4	6.7
3 A05-321	5.8	6.4	5.7	5.9	5.2	5.0
4 A94MH-94	5.8	5.7	5.3	6.4	5.7	6.3
5 A04-383	5.7	5.9	5.3	6.0	5.7	7.7
6 PST-109-996	5.7	6.2	5.3	5.8	5.6	6.0
7 A04TB-258	5.7	6.0	5.4	5.9	5.5	5.0
8 A96-1338	5.7	6.0	5.2	5.6	6.1	6.0
9 Rambo	5.7	5.8	5.5	5.2	6.2	6.7
10 A04-69	5.6	6.0	5.5	5.6	5.2	5.3
11 Jump Start	5.6	5.7	5.2	5.6	6.0	7.3
12 A00-3037	5.6	6.4	4.7	5.2	6.0	6.0
13 Beyond	5.5	5.8	5.2	5.5	5.6	6.3
14 Midnight II	5.5	6.1	5.3	5.3	5.5	6.7
15 A03-8	5.5	5.9	5.0	5.1	6.0	6.3
16 Liberator	5.5	6.3	5.4	5.1	5.1	6.3
17 Nuglade	5.5	6.1	4.8	5.1	6.1	7.3
18 Hunnington	5.5	5.6	5.4	5.6	5.4	3.7
19 Mystere	5.4	5.4	5.1	6.0	5.3	4.7
20 Longhorn	5.4	5.8	5.2	5.6	5.2	5.7
21 A03-6	5.4	5.9	5.3	4.6	5.8	6.7
22 A04-387	5.4	5.3	5.1	5.6	5.6	6.3
23 A03-25	5.4	6.1	4.9	4.7	5.7	6.7
24 Brilliant	5.4	5.5	5.5	5.9	4.7	4.7
25 A96-363	5.4	5.4	5.2	5.7	5.2	4.3
26 Ginney	5.4	5.8	5.1	5.2	5.5	5.7
27 A05-314	5.3	5.6	5.3	5.4	5.1	4.3
28 H98-767	5.3	5.7	5.3	5.7	4.5	4.0
29 A00-8	5.3	6.1	4.9	4.7	5.5	6.0
30 Everest	5.3	6.3	4.5	5.2	5.2	5.7
31 95-2024	5.3	5.1	5.5	4.8	6.0	6.7
32 A03-5	5.3	5.8	5.2	4.7	5.5	7.0
33 A01-583	5.3	5.9	5.0	5.2	5.2	4.0
34 A04-1381	5.3	6.0	5.0	5.1	5.0	4.7
35 Award	5.3	5.6	5.0	5.1	5.4	7.0

(Continued)

Table 2. Kentucky bluegrass turf trial, 2007 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Wear ² July 2011
	2008- 2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	
36 Impact	5.2	5.7	5.0	5.3	5.0	6.0
37 A04TB-275	5.2	5.3	5.1	5.1	5.2	2.3
38 A04-1271	5.2	5.9	4.9	5.3	4.8	5.3
39 A04-1368	5.2	5.8	4.9	5.2	4.8	4.7
40 K7-34	5.2	4.8	4.4	5.6	6.0	5.7
41 H99-334	5.2	5.7	5.1	4.3	5.7	6.3
42 A04-1557	5.2	5.8	4.8	5.2	4.8	6.3
43 A05-322	5.1	5.8	5.3	4.8	4.6	3.7
44 A04-13	5.1	4.4	5.2	5.7	5.2	6.3
45 H99-384	5.1	5.2	4.4	5.4	5.6	6.7
46 H03-510	5.1	5.2	5.0	5.2	5.1	5.0
47 A04-67	5.1	5.4	5.0	4.9	5.1	3.0
48 Chicago II	5.1	5.6	4.7	4.8	5.4	6.0
49 Everglade	5.1	5.6	4.7	5.1	5.1	7.0
50 Julia	5.1	5.2	4.4	5.5	5.1	7.7
51 A04-1272	5.1	6.2	4.1	4.7	5.2	4.0
52 H02-607	5.1	5.6	5.1	4.9	4.8	3.7
53 A00-1395	5.1	5.6	5.0	5.3	4.2	4.3
54 Odyssey	5.1	5.7	5.0	4.6	5.1	6.0
55 Diva	5.1	5.6	5.4	5.1	4.1	3.0
56 A03-51	5.0	5.4	4.6	5.2	5.0	5.0
57 A04-1569	5.0	5.7	4.6	5.0	4.7	4.7
58 A05-333	5.0	5.7	4.8	5.0	4.7	4.0
59 Nobel	5.0	5.5	5.0	5.0	4.6	2.7
60 H94-305	5.0	4.2	5.2	5.4	5.4	6.7
61 Thorough-Blue	5.0	5.1	5.0	4.9	5.1	7.0
62 A06-84	5.0	6.0	5.0	5.0	4.0	3.3
63 RSP	5.0	5.7	4.8	4.1	5.4	6.7
64 A98-3322	5.0	5.3	4.5	4.9	5.4	6.3
65 A05-361	5.0	6.0	4.9	4.3	4.8	3.7
66 A06-42	5.0	5.9	4.8	5.1	4.3	5.0
67 A04-1375	5.0	6.1	3.9	4.3	5.6	6.0
68 A05-201	5.0	5.1	4.9	4.9	5.0	6.0
69 H07-3	4.9	5.3	4.8	5.4	4.1	2.7
70 A04-1415	4.9	4.9	4.7	5.2	4.8	5.3

(Continued)

Table 2. Kentucky bluegrass turf trial, 2007 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Wear ² July 2011
	2008- 2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	
71 A04-1470	4.9	5.5	4.6	4.6	5.0	4.3
72 A03-28	4.9	4.9	4.9	5.4	4.6	4.7
73 A99-2123	4.9	5.6	5.0	5.0	4.2	3.0
74 A05-316	4.9	5.5	4.3	5.3	4.6	4.0
75 A04-37	4.9	5.4	4.5	5.1	4.7	4.7
76 A98-962	4.9	5.3	4.6	4.9	4.8	4.7
77 A05-323	4.9	5.2	4.5	5.0	4.8	4.3
78 A04-1407	4.9	5.8	4.8	4.4	4.7	5.0
79 Moonshine	4.9	4.9	4.9	4.9	4.9	3.7
80 K4-7	4.9	4.6	5.1	5.2	4.7	4.0
81 A03-26	4.9	5.5	4.9	3.9	5.1	6.7
82 A99-1799	4.9	4.7	4.9	5.2	4.7	5.0
83 H99-1626	4.9	5.2	4.6	4.7	5.0	4.7
84 A99-2758	4.9	5.5	5.1	3.8	5.0	5.0
85 Mystique	4.9	5.1	4.9	5.3	4.1	3.3
86 A04-1489	4.8	5.4	4.5	4.8	4.4	5.0
87 A04-15	4.8	4.9	5.0	4.8	4.7	4.7
88 A05-325	4.8	5.6	5.2	4.7	3.8	3.3
89 A00-4019	4.8	5.4	4.5	5.0	4.6	4.3
90 A04TB-212	4.8	5.5	4.3	5.0	4.5	4.3
91 K7-26	4.8	5.2	4.4	5.1	4.6	3.7
92 Moonlight	4.8	5.5	4.7	4.6	4.4	3.7
93 A04-1384	4.8	5.3	4.2	4.7	4.9	4.7
94 A06-36	4.8	5.5	4.5	4.8	4.4	6.7
95 A05TB-275	4.8	5.2	4.6	5.0	4.2	2.7
96 A93-201	4.7	5.4	4.3	4.5	4.7	5.3
97 A99-2897	4.7	4.9	4.6	5.0	4.3	3.3
98 A04-1342	4.7	4.5	4.8	4.7	4.9	4.3
99 A99-447	4.7	5.6	4.4	4.9	4.1	2.3
100 Tsunami	4.7	5.3	4.8	4.0	4.9	4.7
101 A05-313	4.7	5.3	4.7	4.9	3.9	2.7
102 A04-74	4.7	5.3	4.4	4.7	4.3	3.7
103 A96-409	4.7	5.3	4.9	4.4	4.3	3.7
104 K7-37	4.7	4.8	4.4	5.2	4.5	5.0
105 A05-894	4.7	5.0	4.4	4.8	4.3	4.7

(Continued)

Table 2. Kentucky bluegrass turf trial, 2007 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----					Wear ² July 2011
		2008- 2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	
106	A04-14	4.7	4.8	4.6	5.1	4.1	4.0
107	H01-844	4.7	5.5	4.2	4.4	4.6	4.3
108	A04-66	4.7	5.4	4.8	4.2	4.3	3.0
109	A93-201	4.7	5.1	4.4	4.9	4.4	3.7
110	P-105	4.6	5.2	4.1	4.4	4.9	4.3
111	A00-1193	4.6	5.4	3.8	4.6	4.8	4.0
112	Rush	4.6	5.2	4.1	4.8	4.4	5.0
113	A04-394	4.6	4.9	4.3	4.6	4.4	5.0
114	A04-1547	4.6	4.9	4.2	5.0	4.5	5.3
115	H03-546	4.6	4.3	4.4	5.3	4.4	5.7
116	A06-23	4.6	4.6	4.6	4.9	4.3	4.0
117	H07-2	4.6	5.1	4.8	4.8	3.6	2.7
118	A97-1328	4.6	5.0	4.4	4.2	4.6	3.3
119	A04-1268	4.6	4.8	4.3	4.5	4.6	5.3
120	H03-556	4.6	5.8	4.7	3.6	4.1	3.0
121	K7-29	4.6	4.6	4.5	4.6	4.7	4.7
122	Blacksburg	4.5	5.1	4.1	4.5	4.5	5.7
123	A04-1315	4.5	5.1	4.4	4.0	4.7	5.0
124	H02-647	4.5	5.3	3.6	4.1	5.2	5.7
125	H03-532	4.5	5.2	4.4	4.5	4.0	3.0
126	H99-1551	4.5	4.5	4.7	4.5	4.5	4.3
127	PST-104-59	4.5	4.9	4.2	4.6	4.5	3.3
128	A04-1377	4.5	5.3	4.3	4.1	4.3	3.7
129	A91-703	4.5	4.6	4.5	4.5	4.5	3.7
130	Rugby II	4.5	5.2	4.5	4.1	4.3	5.7
131	K7-27	4.5	4.6	4.4	4.4	4.6	5.0
132	K4-10	4.5	4.5	4.3	4.3	4.9	7.0
133	H07-5	4.5	5.5	4.0	4.8	3.5	3.0
134	Guinness	4.5	5.1	4.1	4.5	4.2	4.0
135	K4-9	4.5	4.7	4.5	4.5	4.2	3.3
136	A04-1452	4.4	5.1	4.3	4.3	3.9	4.7
137	A01-245	4.4	5.0	4.7	4.5	3.6	3.7
138	H07-4	4.4	4.7	4.6	4.4	3.9	3.3
139	A03-72	4.4	4.7	4.3	4.7	3.8	4.3
140	P-105	4.4	4.6	4.6	4.3	4.2	3.0

(Continued)

Table 2. Kentucky bluegrass turf trial, 2007 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Wear ² July 2011
	2008- 2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	
141 High Noon	4.4	5.5	4.6	4.3	3.2	2.3
142 A00-1400	4.4	4.8	4.4	4.5	3.8	3.0
143 PpH8510	4.4	4.9	4.0	4.4	4.1	3.0
144 K7-32	4.4	4.7	4.5	4.6	3.7	3.7
145 Moon Beam	4.4	5.1	4.4	4.2	3.8	3.3
146 K7-23	4.3	3.9	4.1	4.6	4.9	6.7
147 K7-40	4.3	4.5	3.9	4.5	4.5	4.7
148 H07-1	4.3	4.5	4.6	4.6	3.5	2.3
149 A04-391	4.3	5.2	4.1	4.3	3.6	4.0
150 A05-847	4.3	5.7	3.9	3.7	3.7	4.0
151 K7-39	4.3	4.9	4.2	4.2	3.8	4.7
152 T7-2	4.3	4.8	4.4	4.3	3.6	2.3
153 K7-30	4.3	4.2	4.5	4.2	4.2	3.7
154 K4F-18	4.3	5.4	3.7	3.9	4.2	3.7
155 A04TB-338	4.3	5.4	3.9	4.2	3.7	2.0
156 H02-608	4.2	4.9	3.6	3.7	4.7	5.7
157 A98-344	4.2	4.8	4.0	4.5	3.5	3.7
158 K4-4	4.2	4.5	4.0	4.4	4.1	2.3
159 K7-24	4.2	4.8	4.2	4.0	4.0	4.3
160 PST-103-87	4.2	5.5	3.9	3.8	3.6	2.7
161 T7-4	4.2	5.4	3.9	3.9	3.6	2.7
162 PST-103-412	4.2	4.8	3.9	3.9	4.2	3.3
163 A99-712	4.2	5.2	4.2	4.0	3.3	3.7
164 A05-200	4.2	4.6	4.4	4.3	3.3	3.3
165 A05TB-386	4.2	4.3	4.3	4.4	3.5	3.7
166 K7-44D	4.1	4.3	4.3	4.0	4.0	3.0
167 A04TB-152	4.1	4.5	4.0	4.2	3.9	3.7
168 A03-37	4.1	4.3	4.0	4.1	3.9	2.7
169 A04-1474	4.1	4.4	3.8	4.0	4.1	5.0
170 A05-345	4.1	4.3	4.1	4.0	4.0	2.3
171 Full Moon	4.1	4.5	4.2	4.2	3.4	3.0
172 A06-33	4.1	4.8	4.0	4.0	3.6	2.0
173 A98-708	4.1	5.0	4.4	3.5	3.6	3.0
174 A04-1347	4.0	5.5	3.7	3.3	3.6	3.3
175 A98-3366	4.0	5.0	3.2	3.9	4.2	3.0

(Continued)

Table 2. Kentucky bluegrass turf trial, 2007 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Wear ² July 2011
	2008- 2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	
176 T7-8	4.0	4.5	3.6	3.9	3.9	4.3
177 Dynamo	4.0	4.6	3.6	3.9	4.0	3.0
178 T7-6	4.0	5.1	3.7	3.7	3.6	3.0
179 K4-3	4.0	5.0	4.3	3.5	3.4	3.7
180 K4-5	4.0	4.9	4.1	3.4	3.5	3.7
181 A02-976	4.0	4.7	3.8	4.0	3.7	3.3
182 PST-103-651	4.0	4.2	4.0	3.9	3.9	6.0
183 NuBlue	3.9	4.0	3.9	4.2	3.6	3.3
184 A02-1429	3.9	5.4	3.2	2.7	4.0	2.7
185 Hawman	3.9	3.8	4.2	3.3	4.1	3.0
186 Baron	3.9	4.6	3.5	3.9	3.5	3.7
187 H07-6	3.8	4.3	3.9	3.6	3.6	2.3
188 A05TB-459	3.8	3.3	3.7	4.3	4.1	3.3
189 PST-1G4-68	3.8	4.4	3.8	3.3	3.7	3.3
190 A05TB-382	3.8	3.8	3.6	4.1	3.7	3.0
191 H92-558	3.8	3.4	3.7	3.8	4.2	4.0
192 K7-28	3.7	4.0	3.8	3.7	3.4	4.0
193 K7-36	3.7	4.0	3.3	3.5	4.2	4.7
194 A05-203	3.7	4.4	3.6	3.6	3.2	2.7
195 T7-3	3.7	4.1	3.2	3.6	3.7	3.3
196 K7-22	3.6	3.9	3.3	4.0	3.4	2.7
197 PST-103-692	3.6	3.8	3.7	3.5	3.5	3.0
198 H07-7	3.6	3.5	2.9	3.9	4.2	3.7
199 K7-38	3.6	3.8	3.3	3.8	3.5	2.7
200 Moonlight SLT	3.6	5.6	3.6	2.7	2.4	1.7
201 K4-8	3.6	5.1	3.5	3.0	2.7	2.7
202 K7-31	3.5	3.7	3.5	3.7	3.2	3.0
203 A05TB-94	3.5	2.9	3.1	3.8	4.3	4.0
204 K7-41G	3.4	4.4	3.3	3.0	3.1	2.7
205 A04TB-192	3.4	3.4	3.1	3.9	3.4	2.7
206 A97-1271	3.4	3.9	3.5	2.9	3.3	2.3
207 A98-1001	3.4	4.8	3.4	2.8	2.5	2.7
208 K4-15	3.4	3.5	3.7	3.5	3.0	2.3
209 A05-332	3.3	3.8	3.2	3.3	3.0	2.0
210 K7-43D	3.3	3.3	2.7	3.4	3.8	2.7

(Continued)

Table 2. Kentucky bluegrass turf trial, 2007 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Wear ² July 2011
	2008-2011 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	
211 K7-19	3.3	3.4	3.3	3.2	3.1	3.3
212 A96-742	3.2	3.2	3.4	3.4	2.9	2.0
213 A05-329	3.2	4.0	3.0	3.0	3.0	1.7
214 T7-7	3.1	5.1	2.8	2.1	2.5	2.3
215 K7-25	3.0	3.3	2.5	3.3	2.8	3.0
216 K4-6	2.9	2.9	2.9	2.9	2.8	2.3
217 PST-102-234	2.6	2.2	2.1	3.1	3.0	3.0
LSD at 5% =	0.8	0.9	1.0	1.2	1.1	1.8

¹9 = best turf quality

²9 = least wear damage

Table 3. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2008 at Adelphia, NJ.

Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2011	Spring Green-up ³ April 2011	Dollar Spot ⁴ Aug. 2011
	2009-2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
1 A05TB-386	6.4	6.9	6.7	5.7	3.7	7.0	8.7
2 BlueNote	6.4	6.2	6.7	6.3	4.0	6.3	8.7
3 A00-1400	6.3	7.0	6.1	5.9	5.3	3.7	8.7
4 Nu Destiny	6.2	6.2	6.3	6.1	2.7	2.3	8.0
5 103-585	6.2	6.6	6.2	5.9	4.3	5.3	9.0
6 A03TB-1017	6.2	6.5	5.9	6.1	3.3	2.7	8.7
7 A04-74	6.1	6.2	6.1	6.1	3.3	3.3	9.0
8 NuBlue Plus	6.1	6.4	6.1	5.9	3.0	4.7	8.7
9 A04-46	6.1	5.6	6.3	6.5	3.7	4.0	7.7
10 Hampton	6.1	6.2	6.2	5.9	5.7	5.3	8.0
11 NuChicago	6.1	6.3	5.9	6.1	2.7	2.3	8.3
12 1025-117	6.1	6.9	5.2	6.1	6.0	7.7	8.3
13 A98-344	6.0	6.0	6.6	5.5	3.7	3.7	8.7
14 Serene	6.0	6.2	5.6	6.3	6.3	5.7	8.7
15 Award	6.0	6.2	5.7	6.2	2.7	2.0	8.7
16 A06-8	6.0	5.7	6.3	5.9	4.0	4.7	6.7
17 A98-708	5.9	6.3	5.8	5.8	3.3	6.0	7.7
18 Solar Eclipse	5.9	5.9	5.8	6.1	3.0	2.7	9.0
19 Rhythm	5.9	6.0	6.0	5.8	3.7	3.0	7.3
20 A08-34	5.9	5.8	5.9	6.1	2.7	4.0	6.7
21 Bewitched	5.9	5.9	5.8	6.0	3.0	2.0	8.0
22 A01-1106	5.9	5.8	5.6	6.3	5.3	5.7	8.0
23 Blueberry	5.9	6.5	5.6	5.6	4.3	4.7	8.7
24 A06-24	5.9	6.1	6.1	5.4	3.7	3.3	8.3
25 Fullback	5.9	5.6	5.8	6.3	3.7	5.3	8.3

(Continued)

Table 3. Kentucky bluegrass turf trial, 2008 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2011	Spring Green-up ³ April 2011	Dollar Spot ⁴ Aug. 2011
		2009- 2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
26	A04-49	5.9	6.0	5.8	5.7	5.7	7.0	8.7
27	H01-700	5.8	5.8	6.0	5.7	2.0	3.3	9.0
28	Alexa II	5.8	5.7	5.7	6.0	3.0	2.3	8.3
29	102-45	5.8	6.0	5.5	6.0	4.7	4.7	9.0
30	A06-26	5.8	5.8	5.9	5.7	2.7	3.3	8.3
31	Granite	5.8	6.4	5.2	5.8	3.0	2.7	8.3
32	RAD-849	5.8	5.6	6.3	5.6	3.7	6.7	6.7
33	Emblem	5.7	6.4	5.3	5.6	4.0	4.0	9.0
34	RAD762	5.7	5.6	5.7	5.9	3.3	7.7	6.3
35	Freedom II	5.7	5.9	5.7	5.5	3.0	3.3	8.0
36	A99-2897	5.7	5.5	5.8	5.9	7.0	5.7	8.0
37	A99-447	5.7	5.7	5.7	5.8	6.0	3.0	9.0
38	Zinfandel	5.7	5.7	5.7	5.7	5.3	3.3	8.3
39	Arrowhead	5.7	5.5	6.0	5.6	2.7	5.3	6.0
40	A00-3037	5.7	5.8	5.6	5.6	4.3	6.3	5.3
41	Argos	5.6	5.6	5.8	5.6	5.7	5.7	8.3
42	A08-3	5.6	6.0	5.7	5.2	3.3	2.7	8.3
43	A05-361	5.6	5.5	5.7	5.7	5.0	7.3	7.3
44	Bedazzled	5.6	5.8	5.5	5.6	5.3	3.0	8.7
45	Diva	5.6	5.4	5.8	5.7	2.3	4.7	8.3
46	K7-39	5.6	5.9	5.5	5.4	2.7	3.3	8.0
47	A03TB-589	5.6	5.7	5.8	5.3	3.0	3.0	8.7
48	A06-28	5.6	5.1	5.6	5.9	5.3	3.3	7.7
49	Ginney II	5.6	5.2	5.8	5.7	2.7	2.3	6.7
50	Liberator	5.6	5.8	5.2	5.7	3.3	2.7	9.0

(Continued)

Table 3. Kentucky bluegrass turf trial, 2008 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2011	Spring Green-up ³ April 2011	Dollar Spot ⁴ Aug. 2011
	2009- 2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
51 Frontpage	5.6	5.2	5.6	5.9	4.3	3.0	8.7
52 RAD-843	5.6	5.2	5.7	5.7	4.0	6.7	5.7
53 RAD-914	5.6	5.7	5.6	5.4	3.3	5.0	9.0
54 A03-51	5.5	5.9	5.5	5.2	3.7	3.0	8.3
55 A06-40	5.5	5.4	5.9	5.3	2.3	4.7	6.3
56 Everest	5.5	5.9	5.0	5.8	4.0	2.3	8.3
57 Mystere	5.5	5.9	5.2	5.5	6.0	7.7	8.0
58 Cabernet	5.5	5.3	5.6	5.7	4.7	7.0	7.7
59 Total Eclipse	5.5	5.8	5.3	5.5	4.0	3.0	8.7
60 Everglades	5.5	5.6	5.0	6.0	3.3	2.3	8.7
61 A00-4199	5.5	5.4	5.7	5.4	2.7	3.3	8.0
62 Quantum Leap	5.5	5.2	5.5	5.8	2.3	2.0	8.3
63 A05TB-396	5.5	5.0	5.7	5.8	5.7	4.7	8.3
64 Nobel	5.5	5.3	5.8	5.5	3.0	2.7	8.3
65 Touche	5.5	5.2	5.4	5.9	4.3	7.3	7.3
66 A99-269	5.5	5.5	5.4	5.5	3.3	3.3	8.7
67 H03-556	5.5	5.5	5.4	5.5	6.7	8.3	6.3
68 K8-69	5.5	5.1	5.0	6.2	5.7	6.3	8.3
69 Juliet	5.4	5.2	5.5	5.6	4.0	6.7	6.7
70 OAN64	5.4	5.4	5.4	5.4	4.3	5.7	9.0
71 A08-317	5.4	5.4	5.4	5.5	5.3	6.7	9.0
72 A04-1375	5.4	5.8	4.9	5.5	3.0	3.0	5.3
73 A04-69	5.4	5.6	5.2	5.4	6.0	6.3	8.3
74 K7-37	5.4	5.1	5.4	5.7	4.7	4.7	9.0
75 Blue-Sation	5.4	5.4	5.4	5.4	2.7	4.3	8.3

(Continued)

Table 3. Kentucky bluegrass turf trial, 2008 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2011	Spring Green-up ³ April 2011	Dollar Spot ⁴ Aug. 2011
		2009- 2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
76	RAD-50	5.4	5.3	5.1	5.8	2.7	3.0	7.3
77	A02-1429	5.4	5.4	5.4	5.5	2.7	3.0	6.0
78	P-105	5.4	5.1	5.5	5.6	2.0	2.7	5.3
79	1A4-311	5.4	5.6	5.2	5.3	3.3	3.3	8.0
80	K4-8	5.4	5.8	5.2	5.2	3.7	3.7	6.3
81	K4-16	5.4	5.4	5.6	5.2	5.0	6.0	6.7
82	A05-319	5.4	5.2	5.3	5.6	4.3	6.7	8.3
83	A99-2950	5.4	5.1	5.6	5.4	6.3	6.3	8.7
84	A05-314	5.4	5.6	5.1	5.5	5.3	5.0	7.0
85	Sonoma	5.4	5.2	5.7	5.2	4.7	3.3	7.3
86	102-862	5.4	5.1	5.3	5.7	5.0	4.3	7.7
87	Juliet	5.3	5.2	5.4	5.5	4.7	7.0	5.3
88	Yankee	5.3	5.4	5.4	5.1	4.3	5.0	6.3
89	AKB-449	5.3	5.9	4.9	5.2	4.7	4.0	6.7
90	A04-1272	5.3	5.3	4.6	6.1	6.3	5.3	8.3
91	109-996	5.3	5.6	5.8	4.6	5.0	6.3	5.0
92	RAD-803	5.3	5.4	5.4	5.2	1.3	4.7	6.7
93	A03TB-364	5.3	4.9	5.3	5.8	3.7	6.7	8.0
94	A04TB-258	5.3	5.0	4.9	6.1	4.3	6.0	8.7
95	A08-4	5.3	5.4	5.4	5.2	4.0	4.7	8.3
96	Courtyard	5.3	5.7	4.7	5.6	3.3	3.0	8.7
97	A02-1428	5.3	5.0	5.2	5.7	4.3	3.7	7.7
98	A06-19	5.3	5.4	5.2	5.2	4.7	4.3	9.0
99	C-74	5.3	5.2	5.3	5.3	3.7	4.7	9.0
100	A98-210	5.3	5.0	5.6	5.3	7.0	6.3	8.3

(Continued)

Table 3. Kentucky bluegrass turf trial, 2008 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2011	Spring Green-up ³ April 2011	Dollar Spot ⁴ Aug. 2011
		2009- 2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
101	A06-2	5.3	5.1	5.5	5.3	3.7	3.0	8.0
102	Monte Carlo	5.3	5.3	5.5	5.1	4.0	3.0	8.7
103	A08-15	5.3	5.1	5.4	5.4	2.7	3.7	8.7
104	A04-46	5.3	5.6	5.0	5.3	4.0	4.3	8.3
105	A95-410	5.3	5.2	5.2	5.3	5.0	4.7	7.0
106	A06-632	5.2	4.9	5.4	5.4	1.3	3.3	8.3
107	Ridgeline	5.2	5.7	5.1	5.0	3.0	3.3	8.0
108	A98-39	5.2	5.1	5.2	5.4	6.3	4.3	8.3
109	Arcadia	5.2	4.8	5.0	5.9	3.0	2.3	8.7
110	A04-1260	5.2	5.2	5.2	5.2	2.7	7.0	8.7
111	Alpine	5.2	5.4	5.0	5.3	2.3	3.0	6.7
112	NuGlade	5.2	5.5	4.8	5.4	3.3	2.7	8.3
113	A98-948	5.2	5.3	5.0	5.4	5.0	6.3	7.7
114	K7-50S	5.2	4.9	5.5	5.3	4.3	4.7	6.7
115	A08-1	5.2	5.8	5.6	4.2	4.3	4.0	8.7
116	A08-6	5.2	5.0	5.3	5.2	2.7	3.3	8.7
117	103-87	5.2	6.0	4.5	5.0	4.7	7.0	6.3
118	A00-2969	5.2	5.2	5.1	5.2	5.0	6.3	8.3
119	Kingfisher	5.2	5.1	5.2	5.2	4.7	4.0	8.3
120	A08-2	5.2	5.8	4.9	4.8	4.7	3.3	8.7
121	STR 2324	5.2	5.4	4.7	5.4	3.3	3.3	8.7
122	A05-309	5.1	5.0	5.3	5.1	3.7	5.7	8.0
123	H02-647	5.1	5.5	4.6	5.3	2.7	2.7	4.3
124	A05TB-382	5.1	5.5	5.0	4.9	6.0	7.0	8.3
125	A08-9	5.1	5.7	5.1	4.5	4.7	4.7	7.0

(Continued)

Table 3. Kentucky bluegrass turf trial, 2008 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2011	Spring Green-up ³ April 2011	Dollar Spot ⁴ Aug. 2011
		2009- 2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
126	A06-682	5.1	5.0	5.3	5.0	5.0	8.3	8.0
127	A06-33	5.1	5.6	5.0	4.7	6.0	5.7	9.0
128	Starburst	5.1	4.9	5.1	5.3	5.3	7.0	6.3
129	A04TB-338	5.1	5.3	4.9	5.1	4.3	6.3	8.3
130	A04-38	5.1	5.0	4.9	5.4	3.3	5.3	7.7
131	A04-1470	5.1	5.0	5.1	5.1	2.7	2.3	6.0
132	A00-1193	5.1	4.8	5.1	5.4	3.3	3.0	6.0
133	TX676	5.1	4.8	5.2	5.3	6.7	7.7	9.0
134	Amanda	5.1	5.4	5.0	4.9	6.7	5.0	8.7
96 135	RAD-600	5.1	5.5	4.9	4.8	5.0	4.7	9.0
136	A04-35	5.1	4.8	5.1	5.2	2.7	5.3	7.7
137	A98-363	5.1	5.5	5.0	4.6	4.0	5.3	8.0
138	A00-1395	5.1	4.8	5.0	5.4	2.3	3.7	8.3
139	MSP 3774	5.1	4.9	5.2	5.1	2.3	3.0	8.3
140	K8-80 NL	5.1	5.3	4.6	5.3	3.7	3.0	7.3
141	Pick 366	5.0	5.2	5.2	4.7	5.3	5.7	8.0
142	A04-1557	5.0	5.0	4.7	5.4	3.3	2.7	5.7
143	PP-34736-04	5.0	5.4	4.7	5.0	3.7	2.7	7.3
144	A99-3182	5.0	5.4	4.7	4.9	6.7	7.0	8.3
145	K8-77 NO	5.0	4.9	4.7	5.5	3.0	3.0	7.0
146	104-4	5.0	4.8	4.7	5.6	3.0	2.7	7.0
147	A04-391	5.0	4.9	5.3	4.8	4.3	8.3	8.7
148	A99-2026	5.0	4.7	5.2	5.1	2.3	2.0	8.0
149	4-Season	5.0	5.6	4.4	5.0	5.7	4.3	7.7
150	RAD-418	5.0	4.9	5.0	5.1	3.7	6.7	8.0

(Continued)

Table 3. Kentucky bluegrass turf trial, 2008 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2011	Spring Green-up ³ April 2011	Dollar Spot ⁴ Aug. 2011
		2009- 2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
151	A05-894	5.0	5.4	4.5	5.1	5.7	6.7	8.0
152	RAD-897	5.0	5.5	4.8	4.6	4.0	4.3	8.3
153	A04-383	5.0	4.3	5.5	5.0	4.0	6.7	7.0
154	A04-1347	5.0	5.4	4.4	5.0	4.0	3.0	7.7
155	K8-66	5.0	5.2	4.9	4.7	3.0	5.7	8.7
156	RAD-507	5.0	5.1	5.1	4.7	4.0	6.3	7.7
157	TD-4	5.0	5.4	4.4	5.0	4.0	6.7	8.3
158	TD-8	5.0	5.3	4.9	4.7	5.3	5.0	7.0
159	A07-393	5.0	4.9	5.0	4.9	2.7	3.7	8.3
160	SR 2284	4.9	4.8	4.6	5.4	6.3	5.0	8.7
161	A05TB-459	4.9	5.3	4.7	4.8	3.7	4.7	7.7
162	Volt	4.9	5.4	4.3	5.1	6.0	7.0	7.3
163	Julia	4.9	4.8	4.9	5.1	4.3	5.3	6.3
164	RAD-232	4.9	5.1	4.9	4.7	2.3	6.3	8.7
165	RAD-457	4.9	5.2	4.7	4.8	3.7	3.7	8.3
166	102-371	4.9	4.5	5.0	5.2	2.7	4.0	7.7
167	H01-912	4.9	4.5	5.2	5.0	4.7	5.3	7.3
168	STR 2485	4.9	4.9	4.9	4.9	2.0	3.7	8.7
169	K8-63	4.9	4.6	5.1	4.9	5.0	3.3	8.7
170	1GQG-38	4.9	4.3	5.3	5.0	2.7	3.7	8.7
171	A04-387	4.9	4.6	5.1	5.0	2.7	5.3	8.3
172	Fahrenheit 90	4.9	5.1	4.6	4.9	3.0	5.3	8.0
173	SR 2109 5,000 ppm	4.9	4.9	5.2	4.5	3.3	4.0	2.3
174	RAD-892	4.9	5.0	5.1	4.5	5.0	2.7	7.7
175	A08-318	4.9	4.8	5.0	4.9	1.7	3.7	8.7

(Continued)

Table 3. Kentucky bluegrass turf trial, 2008 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2011	Spring Green-up ³ April 2011	Dollar Spot ⁴ Aug. 2011
		2009- 2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
	176 A03TB-676	4.9	5.0	5.0	4.6	6.7	8.0	8.3
	177 Crest	4.8	4.7	4.8	4.9	2.7	4.0	8.7
	178 RAD-1224	4.8	4.9	4.7	4.9	3.0	5.0	7.0
	179 SR 2109	4.8	5.0	4.6	4.8	4.0	4.3	3.3
	180 A07-5	4.8	4.7	4.9	4.7	2.3	5.0	7.7
	181 SR 2100	4.8	4.2	5.1	5.0	3.0	3.0	8.3
	182 K4-7	4.8	4.8	4.7	4.8	4.7	5.3	8.3
	183 Arrow	4.8	4.7	4.7	4.9	5.0	4.0	8.7
	184 TD-6	4.8	4.9	4.2	5.3	3.0	7.3	7.3
86	185 1A4-1103	4.8	5.2	4.1	5.0	4.0	4.0	5.7
	186 Blackberry	4.7	4.6	4.8	4.8	4.3	5.0	7.7
	187 RAD-861	4.7	4.8	4.7	4.8	1.3	5.0	6.3
	188 A04-1381	4.7	4.3	4.9	4.9	2.3	3.3	7.0
	189 TD-2	4.7	4.8	4.3	5.0	4.3	7.0	8.0
	190 Eagleton	4.7	4.1	5.1	4.9	4.3	5.3	8.3
	191 A04-1271	4.7	4.5	5.0	4.7	3.0	5.0	9.0
	192 RAD-640	4.7	5.0	4.9	4.3	5.0	3.3	8.0
	193 RAD-928	4.7	5.0	5.0	4.1	3.0	3.3	8.0
	194 A04-1407	4.7	5.2	4.5	4.5	2.7	3.0	2.7
	195 PSG 2677	4.7	4.7	4.7	4.7	7.0	8.0	8.7
	196 Champagne	4.7	4.5	4.7	4.9	4.7	6.7	7.7
	197 Gaelic	4.7	5.2	4.2	4.6	5.7	7.0	7.7
	198 104-241	4.7	5.1	4.0	5.0	2.0	3.3	7.7
	199 K4-5	4.7	5.1	4.4	4.7	4.0	6.3	7.7
	200 1G4-68	4.7	4.9	5.1	4.0	4.3	3.7	8.3

(Continued)

Table 3. Kentucky bluegrass turf trial, 2008 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2011	Spring Green-up ³ April 2011	Dollar Spot ⁴ Aug. 2011
		2009- 2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
201	K7-31	4.7	5.5	4.5	4.0	4.7	4.0	8.0
202	MSP 3872	4.7	4.9	4.7	4.4	3.0	3.7	8.0
203	A00-99	4.7	4.1	5.0	4.9	2.3	3.0	8.3
204	A07-377	4.6	4.7	4.5	4.8	4.3	3.3	6.7
205	TD-9	4.6	4.4	4.5	5.0	4.0	6.3	6.7
206	RAD-931	4.6	4.6	4.7	4.6	4.0	5.7	8.3
207	A93-201	4.6	5.0	4.1	4.8	5.3	5.7	7.7
208	STR 2278	4.6	4.2	4.8	5.0	2.7	3.7	8.3
209	A03TB-317	4.6	4.8	4.2	4.9	6.0	8.0	8.7
210	A01-195	4.6	4.6	4.4	4.8	5.3	7.0	8.7
211	Spitfire	4.6	5.8	3.9	4.2	4.7	4.3	8.0
212	SR 2109 10,000 ppm	4.6	4.7	4.9	4.3	3.7	4.0	3.3
213	103-651	4.6	5.3	4.5	4.1	2.3	2.0	6.7
214	A04-1504	4.6	4.3	4.7	4.9	3.0	4.7	7.7
215	104-59	4.6	4.4	4.7	4.7	4.7	6.0	7.7
216	A06-6	4.6	4.3	5.2	4.3	3.7	3.0	8.0
217	H03-510	4.6	4.2	4.8	4.8	5.3	9.0	7.3
218	A05-847	4.6	5.0	4.3	4.5	5.0	6.3	6.0
219	PSG 2MSU21	4.6	4.3	4.6	4.8	5.0	5.7	7.0
220	Bandera	4.6	4.6	5.0	4.1	1.3	2.0	6.0
221	RAD-815	4.6	4.3	4.6	4.8	2.3	5.3	5.0
222	A08-8	4.6	4.7	4.6	4.4	3.7	3.7	7.3
223	K8-76 NO	4.6	4.0	4.9	4.8	2.0	4.0	4.0
224	Brooklawn	4.6	4.6	4.2	4.9	5.0	6.3	8.7
225	Bordeaux	4.6	4.5	4.6	4.6	3.3	3.7	7.7

(Continued)

Table 3. Kentucky bluegrass turf trial, 2008 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2011	Spring Green-up ³ April 2011	Dollar Spot ⁴ Aug. 2011
		2009- 2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
226	K8-81 NO	4.6	4.5	4.2	5.0	4.0	2.7	7.7
227	T8-13	4.6	5.0	4.6	4.1	4.0	7.0	8.3
228	A05TB-60	4.6	5.0	4.2	4.5	4.0	5.3	8.3
229	K4-15	4.5	5.0	4.2	4.5	3.7	3.7	6.7
230	A05TB-438	4.5	4.4	4.6	4.7	3.3	5.3	8.0
231	A04-1477	4.5	4.1	4.4	5.2	3.3	5.7	8.3
232	A05-925	4.5	4.2	4.5	4.9	6.7	7.7	9.0
233	TD-7	4.5	4.5	4.2	4.8	3.7	6.3	6.3
234	A05-332	4.5	4.5	4.7	4.4	4.3	4.0	8.0
235	Baron	4.5	4.5	4.8	4.3	2.3	3.0	7.3
236	Gaelic	4.5	4.6	4.3	4.6	5.0	6.0	6.7
237	Mallard	4.5	4.4	4.5	4.5	4.0	6.0	7.3
238	102-158	4.5	4.8	4.5	4.2	5.3	3.3	8.7
239	STR 2451	4.5	3.7	4.8	4.9	2.0	4.3	8.0
240	K7-28	4.5	4.5	4.3	4.6	4.0	3.7	8.3
241	STR 23078	4.5	4.7	4.6	4.0	2.7	3.0	7.3
242	103-509	4.5	5.0	4.4	4.0	3.0	3.3	8.7
243	A04-1452	4.4	4.2	4.6	4.6	3.0	5.7	8.0
244	K8-61S	4.4	3.9	4.7	4.7	4.7	5.0	5.7
245	RAD-551	4.4	4.5	4.4	4.3	2.0	2.3	7.7
246	A08-316	4.4	4.4	4.3	4.5	5.0	6.3	8.3
247	A99-2377	4.4	4.4	4.6	4.2	3.7	2.7	9.0
248	A06-659	4.4	4.2	4.5	4.4	4.7	7.7	8.3
249	K7-54S	4.4	4.8	4.2	4.2	3.7	5.7	8.3
250	Bonaire	4.4	4.5	4.1	4.5	4.7	5.7	7.7

100

(Continued)

Table 3. Kentucky bluegrass turf trial, 2008 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2011	Spring Green-up ³ April 2011	Dollar Spot ⁴ Aug. 2011
		2009- 2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
251	Fielder	4.4	3.7	4.6	4.8	4.0	6.3	8.0
252	A04-1234	4.4	3.6	4.8	4.7	5.7	7.0	8.3
253	K7-32	4.4	4.4	4.3	4.4	3.7	3.0	7.7
254	TD-5	4.3	4.6	3.9	4.6	4.3	6.7	8.0
255	K8-75 NO	4.3	4.6	4.2	4.2	4.3	3.0	5.3
256	A04TB-212	4.3	4.4	4.3	4.2	4.0	4.0	7.7
257	A04-13	4.3	3.9	4.7	4.3	3.3	8.7	8.7
258	A05TB-409 12331	4.3	3.8	4.4	4.7	5.0	6.7	8.3
259	A06-698	4.3	3.8	4.5	4.5	5.3	7.7	8.0
260	RAD-825	4.3	4.5	4.2	4.1	3.7	5.3	7.3
261	STR 2553	4.2	3.8	4.5	4.5	2.3	4.0	8.3
262	PSG 2MSU12	4.2	4.4	3.8	4.4	6.0	5.3	8.0
263	K8-60	4.2	4.2	4.0	4.4	4.0	5.7	8.3
264	STR 23064	4.2	3.7	4.2	4.8	4.7	4.7	7.0
265	Cheetah	4.2	4.3	3.9	4.4	4.0	4.7	6.0
266	Touchdown	4.2	4.3	3.9	4.4	5.0	6.3	8.7
267	102-327	4.2	4.4	3.8	4.4	4.7	4.3	8.3
268	A98-3366	4.2	5.0	3.7	3.9	5.7	2.7	5.0
269	PSG 2MSU11	4.2	4.3	3.9	4.3	5.0	4.7	8.0
270	A04-1315	4.2	4.9	3.5	4.0	4.0	3.7	5.0
271	Guinness	4.2	4.0	3.9	4.5	4.7	6.0	8.0
272	A04TB-327	4.2	4.4	4.0	4.1	6.0	6.0	8.3
273	A06-632	4.1	5.0	3.6	3.9	2.0	2.7	7.3
274	PSG2MSU22	4.1	4.3	3.8	4.3	4.7	4.3	8.7
275	PST-101-92	4.1	4.7	4.1	3.5	2.3	4.0	5.3

(Continued)

Table 3. Kentucky bluegrass turf trial, 2008 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2011	Spring Green-up ³ April 2011	Dollar Spot ⁴ Aug. 2011
		2009- 2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
102	276 K8-78 NO	4.1	4.3	4.0	4.0	5.0	5.0	8.0
	277 America	4.1	3.3	4.4	4.5	3.3	3.7	8.0
	278 K7-58S	4.1	3.9	3.7	4.6	4.3	4.0	8.3
	279 PST-102-307	4.0	4.1	3.9	4.0	5.7	5.0	7.7
	280 K7-44D	4.0	3.7	4.2	4.2	4.7	4.0	8.3
	281 K8-79 GER	4.0	4.1	4.1	3.9	4.7	5.7	4.0
	282 MP07	4.0	4.3	4.0	3.7	5.7	6.7	5.0
	283 Orteo 10,000 ppm	4.0	4.1	3.6	4.4	5.0	4.7	7.7
	284 102-965	4.0	3.9	3.9	4.3	2.0	5.3	6.7
	285 K8-62	4.0	3.9	3.8	4.3	3.3	3.0	7.3
	286 H03-546	4.0	3.1	4.4	4.4	4.7	8.3	7.3
	287 K7-51S	4.0	3.9	3.9	4.2	3.7	3.7	8.3
	288 Ulysses	4.0	3.3	4.5	4.1	4.3	5.3	7.7
	289 1T5-16	3.8	3.5	4.0	3.9	3.3	4.0	7.7
	290 K7-29	3.8	4.2	3.3	3.8	4.3	3.0	7.7
	291 PST-102-1011	3.8	4.6	3.1	3.6	4.3	5.7	7.7
	292 RAD614	3.7	3.8	3.7	3.7	4.3	5.0	7.7
	293 A05TB-41 Tx BI	3.7	3.8	3.7	3.6	5.3	5.7	8.0
	294 K8-72	3.7	4.1	3.2	3.7	3.3	4.3	8.3
	295 RAD474	3.6	4.8	3.1	3.0	3.0	5.0	8.0
	296 Orteo 5,000 ppm	3.6	3.5	3.1	4.2	5.0	5.0	6.7
	297 Boutique	3.6	2.3	3.8	4.6	4.7	4.0	8.0
	298 105-16	3.6	3.8	3.4	3.5	4.3	4.3	7.3
	299 Orteo	3.5	3.6	3.1	4.0	4.7	4.3	7.7
	300 Blue-Mazing	3.5	2.5	3.7	4.3	2.3	3.7	7.3

(Continued)

Table 3. Kentucky bluegrass turf trial, 2008 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----				Winter Color ² March 2011	Spring Green-up ³ April 2011	Dollar Spot ⁴ Aug. 2011
	2009-2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.			
301 K7-55S	3.5	3.7	3.4	3.4	4.3	3.7	8.0
302 T8-15	3.5	4.0	3.0	3.4	4.3	3.3	8.7
303 K7-43D	3.4	4.4	3.2	2.7	3.7	4.3	8.0
304 T8-12	3.4	4.2	2.6	3.3	4.7	3.7	9.0
305 K8-65	3.4	4.4	2.7	3.0	4.0	3.7	8.0
306 K8-64	3.3	4.1	2.7	3.1	4.3	3.0	7.7
307 STR 235	3.2	1.7	3.2	4.6	2.3	2.7	7.7
308 STR 2509	3.2	2.0	3.4	4.0	2.7	3.0	6.3
309 AM1	3.1	3.1	3.1	3.2	5.0	3.7	8.0
310 K8-68	3.1	3.7	2.8	2.8	2.0	2.3	8.0
311 A04TB-7	3.0	1.9	3.2	3.9	4.7	6.7	7.7
312 K7-59S	2.7	2.9	2.4	2.9	3.7	3.0	8.0
313 STR 2332	2.1	1.0	1.9	3.4	2.7	4.3	7.7
314 K7-57S	2.1	1.7	2.1	2.4	4.0	3.7	8.0
LSD at 5% =	0.6	0.8	0.8	0.8	1.4	1.4	1.9

¹9 = best turf quality
²9 = darkest green winter color
³9 = earliest spring green-up
⁴9 = least disease

Table 4. Performance of Kentucky bluegrass cultivars and selections in a low maintenance turf trial seeded in September 2008 at North Brunswick, NJ.

Cultivar or Selection	-----Turf Quality ¹ -----				Drought Tolerance ² June 2011
	2009-2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	
1 A04-69	6.1	5.7	6.3	6.2	7.0
2 Bewitched	6.0	5.9	6.2	5.9	6.0
3 BlueNote	6.0	6.0	6.1	5.8	6.0
4 A04-74	5.9	5.8	6.1	5.9	5.7
5 A04-49	5.9	5.4	6.1	6.3	6.3
6 A00-3037	5.9	6.0	5.6	6.2	4.3
7 Eagleton	5.9	6.4	5.7	5.5	5.3
8 Juliet	5.8	5.9	5.6	6.0	5.0
9 103-585	5.8	5.6	6.1	5.7	5.0
10 A05-261	5.8	6.0	5.9	5.5	4.3
11 RAD 762	5.7	6.0	5.3	5.9	6.3
12 A02-103	5.7	5.3	6.0	5.8	6.3
13 A01-1107	5.7	5.3	6.2	5.5	5.0
14 Mystere	5.7	6.1	5.6	5.5	4.7
15 A05-314	5.7	6.0	5.7	5.4	4.7
16 Yankee	5.6	5.5	5.4	5.9	4.3
17 A03-51	5.6	5.3	5.6	5.8	6.3
18 H03-556	5.6	6.0	5.5	5.2	3.0
19 Bedazzled	5.6	5.7	5.6	5.4	6.7
20 A06-8	5.6	5.7	5.7	5.2	6.0
21 Ginney II	5.5	5.8	4.9	5.8	4.3
22 A05-361	5.5	5.6	5.3	5.7	6.3
23 Alexa II	5.5	5.5	5.2	5.9	5.3
24 A04TB-258	5.5	5.4	5.2	5.8	3.7
25 Hampton	5.5	5.4	5.6	5.4	5.0
26 Solar Eclipse	5.4	5.5	4.9	6.0	4.7
27 Zinfandel	5.4	5.4	5.5	5.3	5.3
28 A04-46	5.4	5.7	5.2	5.4	3.3
29 MSP-3774	5.4	6.0	5.3	4.8	2.3
30 A05TB-396	5.4	5.3	5.7	5.1	5.7
31 A00-1400	5.3	5.0	5.3	5.6	7.0
32 Blueberry	5.3	5.2	5.3	5.5	5.3
33 A03-84	5.3	5.6	5.2	5.2	6.0
34 A06-26	5.3	5.6	5.1	5.3	6.7
35 A99-2950	5.3	5.5	5.5	4.8	3.3

(Continued)

Table 4. Kentucky bluegrass low maintenance turf trial, 2008 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----				Drought Tolerance ² June 2011
	2009-2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	
36 A05TB-386	5.3	5.9	4.9	5.0	4.0
37 A05-279	5.3	5.1	5.5	5.2	6.3
38 A99-2950	5.3	5.5	5.7	4.7	4.0
39 A04TB-338	5.3	5.0	5.4	5.4	5.3
40 Cabernet	5.3	5.2	5.6	5.0	3.0
41 Blue-Station	5.2	5.9	5.0	4.8	5.0
42 A00-1395	5.2	5.7	5.0	4.9	2.7
43 A03TB-1017	5.2	5.1	4.7	5.8	3.7
44 Monte Carlo	5.2	5.3	5.6	4.7	4.7
45 TX 676	5.2	5.6	5.3	4.6	3.7
46 MSP-3769	5.1	5.4	5.4	4.6	2.3
47 Rhythm	5.1	4.6	5.1	5.7	4.3
48 Freedom III	5.1	5.2	4.4	5.7	5.0
49 Liberator	5.1	5.3	4.6	5.4	4.0
50 A99-2103	5.1	5.1	5.3	5.0	3.7
51 Award	5.1	5.5	4.3	5.5	4.0
52 Fahrenheit 90	5.1	5.0	5.0	5.1	3.3
53 P-105	5.1	5.2	4.9	5.2	5.7
54 A08-15	5.0	5.4	5.3	4.4	2.0
55 A03-68	5.0	5.5	5.1	4.7	2.0
56 30773-03	5.0	5.5	4.7	4.9	4.7
57 Nu Glade	5.0	5.2	4.7	5.2	4.0
58 Nu Chicago	5.0	5.3	4.4	5.4	4.0
59 A05TB-382	5.0	5.3	5.0	4.8	4.3
60 Diva	5.0	5.5	5.0	4.6	3.7
61 A08-4	5.0	5.1	4.8	5.1	5.7
62 Nu Destiny	5.0	5.4	4.1	5.5	5.7
63 A05-847	5.0	5.3	4.7	4.9	4.7
64 A98-344	5.0	4.7	6.1	4.3	5.0
65 A05-314	5.0	5.4	5.0	4.4	4.3
66 A03TB-364	5.0	4.3	5.1	5.4	7.0
67 A08-317	5.0	4.4	5.2	5.4	5.3
68 Volt	5.0	5.1	4.6	5.1	5.0
69 A04-391	4.9	5.4	4.8	4.6	3.3
70 Total Eclipse	4.9	4.8	4.6	5.5	4.3

(Continued)

Table 4. Kentucky bluegrass low maintenance turf trial, 2008 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----				Drought Tolerance ² June 2011
	2009-2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	
71 30772-03	4.9	5.4	4.6	4.8	5.3
72 A04TB-275	4.9	4.8	5.0	4.8	5.3
73 1QG-38	4.9	5.4	5.0	4.3	2.3
74 109-996	4.9	5.3	4.7	4.8	3.3
75 H02-607	4.9	5.0	4.6	5.1	4.7
76 A04-1234	4.9	4.7	5.4	4.5	4.0
77 K7-39	4.9	4.6	4.8	5.2	5.7
78 K7-37	4.9	5.0	4.9	4.8	4.3
79 A04-1375	4.8	4.9	4.0	5.6	4.0
80 A04-1504	4.8	4.9	4.9	4.6	3.3
81 Arrowhead	4.8	4.7	4.6	5.2	3.7
82 A08-9	4.8	5.2	5.0	4.3	4.3
83 A04-383	4.8	5.5	4.6	4.4	3.3
84 K4-7	4.8	4.7	5.0	4.6	5.3
85 A00-99	4.8	5.4	4.7	4.3	2.0
86 Juliet	4.8	5.5	4.2	4.8	3.7
87 K7-50S	4.8	5.2	4.5	4.7	5.3
88 Champagne	4.8	4.8	4.7	4.8	2.7
89 Courtyard	4.8	5.1	4.3	4.8	3.3
90 A06-40	4.8	5.2	4.4	4.8	4.7
91 A05-847	4.7	5.1	4.1	5.1	5.7
92 A08-316	4.7	3.9	4.9	5.4	4.7
93 Bonaire	4.7	4.8	4.3	5.1	6.0
94 K8-61S	4.7	5.2	4.3	4.5	4.7
95 AKB 449	4.7	5.7	4.0	4.4	5.0
96 A99-2026	4.7	4.2	4.9	5.1	6.0
97 A04-77	4.7	4.9	4.3	5.0	4.7
98 A03TB-317	4.7	4.5	4.6	5.1	4.3
99 A95-410	4.7	5.2	4.4	4.6	4.0
100 A04-1381	4.7	5.0	4.1	5.0	3.3
101 A04-387	4.7	5.0	4.6	4.4	4.7
102 A04-1315	4.7	5.1	3.9	5.0	7.3
103 Nu Blue Plus	4.7	5.2	4.2	4.7	3.7
104 Everglades	4.7	4.8	4.1	4.9	3.3
105 Everest	4.7	5.4	3.7	4.8	4.0

(Continued)

Table 4. Kentucky bluegrass low maintenance turf trial, 2008 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----				Drought Tolerance ² June 2011
	2009-2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	
106 Blackberry	4.7	4.9	4.6	4.5	4.7
107 K8-66	4.7	5.3	4.3	4.4	3.0
108 A99-2377	4.7	4.4	5.1	4.5	3.7
109 A06-33	4.6	5.1	4.8	4.0	5.0
110 A04-1557	4.6	4.9	4.2	4.7	5.3
111 A04-1452	4.6	4.8	4.7	4.3	4.0
112 A04-1470	4.6	5.4	3.9	4.6	4.7
113 H02-608	4.6	4.7	4.1	5.1	3.3
114 A04-1477	4.6	4.6	4.7	4.6	3.0
115 104-59	4.6	5.2	4.0	4.5	3.0
116 K8-76 NO	4.6	5.1	4.1	4.6	5.3
117 K8-75 NO	4.6	5.2	4.3	4.3	4.3
118 A06-24	4.6	4.4	5.0	4.5	4.3
119 A06-2	4.6	5.2	4.3	4.2	3.7
120 A04-93	4.6	5.7	3.8	4.3	6.3
121 A07-25	4.6	5.1	3.7	4.9	4.0
122 K4-16	4.6	4.5	4.6	4.5	3.3
123 K8-80 NL	4.6	4.9	4.3	4.5	4.0
124 A93-201	4.6	5.1	4.0	4.7	6.0
125 4-Season	4.5	4.5	4.4	4.7	6.0
126 Sonoma	4.5	4.8	4.7	4.1	5.0
127 Julia	4.5	5.0	4.2	4.3	3.3
128 PP-34736-04	4.5	4.9	4.4	4.4	5.0
129 A01-195	4.5	4.8	4.1	4.6	2.7
130 MSP-3872	4.5	5.4	4.4	3.7	2.7
131 102S-117	4.5	5.1	3.7	4.7	4.7
132 K7-32	4.5	4.2	4.8	4.4	4.7
133 A07-5	4.5	3.8	5.0	4.7	3.0
134 A06-698	4.5	5.0	4.0	4.6	3.3
135 A08-2	4.5	4.7	4.3	4.3	4.7
136 H04-13	4.5	4.6	4.5	4.3	1.7
137 A08-318	4.5	3.7	4.6	5.1	3.3
138 Gaelic	4.5	5.1	3.6	4.7	6.0
139 A04-1407	4.5	4.4	4.0	4.9	2.3
140 A00-1193	4.5	4.7	4.2	4.5	6.0

(Continued)

Table 4. Kentucky bluegrass low maintenance turf trial, 2008 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----				Drought Tolerance ² June 2011
	2009-2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	
141 A08-6	4.4	5.1	3.8	4.5	4.7
142 A04-1271	4.4	4.8	3.9	4.6	2.7
143 A05-925	4.4	4.8	3.9	4.5	3.3
144 Aries	4.4	5.3	3.6	4.4	5.3
145 Ridgeline	4.4	4.7	4.0	4.6	3.7
146 K8-63	4.4	3.8	5.1	4.4	3.7
147 Crest	4.4	4.8	3.9	4.5	3.7
148 Arrow	4.4	3.6	5.0	4.6	4.0
149 102-862	4.4	4.0	4.3	4.9	3.0
150 T8-15	4.4	4.7	4.0	4.4	4.0
151 A04-1272	4.4	4.7	4.2	4.3	5.0
152 A98-708	4.4	4.5	4.1	4.4	3.7
153 Mallard	4.4	4.7	4.0	4.4	3.3
154 A05TB-327	4.4	3.3	4.3	5.5	4.0
155 TD-8 JP-08	4.4	4.4	4.4	4.3	4.0
156 OAN 64	4.4	4.3	4.5	4.3	4.3
157 1A4-1103	4.4	3.8	4.4	4.9	3.3
158 A06-24	4.4	4.2	4.6	4.3	4.3
159 A03TB-1045	4.3	3.7	4.9	4.4	5.0
160 Pick 366	4.3	3.9	4.6	4.4	4.0
161 Gaelic	4.3	5.4	3.6	4.0	5.7
162 A08-3	4.3	4.5	4.3	4.1	4.7
163 SR 2100	4.3	4.2	4.4	4.4	3.3
164 H02-647	4.3	4.5	3.9	4.5	4.0
165 A08-8	4.3	4.1	4.8	4.1	3.7
166 A04-1407	4.3	4.7	3.2	4.9	2.7
167 Amanda	4.3	4.3	4.4	4.0	5.3
168 102-327	4.3	3.8	4.3	4.6	5.3
169 K7-28	4.3	4.0	4.2	4.5	3.3
170 Guinness	4.3	4.7	3.5	4.5	6.0
171 Bordeaux	4.2	4.5	4.0	4.2	2.3
172 America	4.2	3.4	4.7	4.5	2.7
173 K7-31	4.2	3.5	4.9	4.3	5.0
174 K8-78 NO	4.2	4.9	3.7	4.1	4.0
175 T8-12	4.2	4.7	3.9	4.1	4.3

(Continued)

Table 4. Kentucky bluegrass low maintenance turf trial, 2008 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----				Drought Tolerance ² June 2011
	2009-2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	
176 A04-1347	4.2	4.6	3.5	4.5	3.7
177 A05TB-60	4.2	4.2	4.2	4.2	3.0
178 A00-2969	4.2	4.5	3.9	4.2	4.3
179 102-965	4.2	5.0	3.0	4.7	5.7
180 H03-510	4.2	5.0	3.9	3.5	1.7
181 104-4	4.2	3.9	4.1	4.5	5.0
182 A05-894	4.1	4.5	3.9	4.0	4.0
183 A08-7	4.1	4.6	3.8	3.8	4.3
184 K4-15	4.1	4.5	3.8	4.0	4.7
185 1G4-68	4.1	3.6	4.5	4.2	4.0
186 K7-54S	4.1	4.4	3.6	4.3	3.7
187 A06-6	4.1	4.0	4.4	3.9	4.7
188 A08-1	4.1	4.4	4.2	3.7	4.0
189 A03TB-589	4.1	4.0	3.9	4.5	4.3
190 A05TB-459	4.1	3.8	4.3	4.1	2.7
191 Baron	4.1	3.7	4.2	4.3	3.3
192 1T5-16	4.1	2.9	4.4	4.9	5.0
193 102-45	4.1	4.6	4.1	3.4	3.0
194 K8-60	4.1	4.2	4.0	4.0	1.7
195 MP07 KBG	4.0	4.4	3.2	4.4	2.7
196 103-87	4.0	4.8	3.2	4.1	4.3
197 103-509	4.0	3.5	4.2	4.4	4.0
198 K7-51S	4.0	4.2	3.7	4.0	3.0
199 H03-546	4.0	4.1	4.2	3.7	1.7
200 K7-44D	4.0	3.7	4.0	4.2	3.3
201 A08-5	3.9	4.4	3.8	3.5	4.7
202 1A4-311	3.9	4.4	3.8	3.5	4.0
203 A04TB-7	3.9	2.3	4.5	4.9	4.7
204 Touchdown	3.9	4.3	3.6	3.9	3.0
205 K4-8	3.9	3.9	4.0	3.9	4.7
206 102-371	3.9	3.6	3.9	4.3	2.3
207 A05TB-41	3.9	3.4	3.8	4.4	3.3
208 H03-546	3.8	4.0	4.1	3.5	2.0
209 RAD 614	3.8	4.2	3.5	3.8	2.3
210 105-16	3.8	3.3	3.7	4.6	4.7

(Continued)

Table 4. Kentucky bluegrass low maintenance turf trial, 2008 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----				Drought Tolerance ² June 2011
	2009-2011 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	
211 K7-58S	3.8	3.2	3.7	4.7	4.0
212 K8-79 GER	3.8	3.4	3.9	4.1	3.3
213 A05TB-438	3.8	3.7	3.9	3.8	2.3
214 102-158	3.8	3.9	3.9	3.7	4.0
215 K7-29	3.8	4.8	3.2	3.4	3.7
216 A04-1260	3.8	3.3	4.2	3.9	2.3
217 Boutique	3.7	2.6	4.1	4.5	4.7
218 K4-5	3.7	4.0	2.9	4.2	4.0
219 PST-102-307	3.7	3.6	3.6	4.0	3.0
220 K8-62	3.7	4.8	3.1	3.2	4.0
221 A04TB-212	3.6	2.9	3.6	4.4	2.7
222 103-651	3.6	4.3	3.0	3.6	3.0
223 K8-64	3.6	3.6	3.4	4.0	4.0
224 101-92	3.6	4.1	2.9	3.7	2.7
225 K8-68	3.5	3.1	3.6	4.0	2.7
226 A05-332	3.5	3.5	3.8	3.3	4.0
227 K8-77NO	3.4	3.8	3.0	3.5	5.0
228 K8-81 NO	3.4	3.5	3.0	3.7	4.0
229 Blue-Mazing	3.4	2.7	3.8	3.6	2.3
230 AM-1 JP-08	3.3	2.5	3.7	3.7	3.7
231 K7-55S	3.3	3.2	3.3	3.4	3.0
232 K7-59S	3.2	3.0	3.2	3.3	5.3
233 Winter Blue	3.0	3.4	2.8	2.9	2.7
234 TD-4 JP-08	2.9	3.8	3.1	2.0	2.3
235 K7-43D	2.8	2.8	2.5	3.1	2.7
236 TD-2 JP-08	2.8	3.5	3.0	1.8	3.0
237 TD-5 JP-08	2.7	3.2	3.1	1.7	1.7
238 TD-6 JP-08	2.7	3.1	2.7	2.3	2.3
239 TD-7 JP-08	2.7	3.6	2.8	1.6	2.7
240 TD-9 JP-08	2.7	3.5	2.7	1.8	3.0
241 K7-57S	2.6	2.4	2.5	3.0	2.3
242 K8-65	2.6	2.8	2.2	2.8	3.0
243 RAD 474	2.5	3.2	2.5	1.9	1.3
LSD at 5% =	0.7	0.8	0.9	1.0	1.8

¹9 = best turf quality

²9 = least heat stressed

Table 5. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2009 at Adelphia, NJ.

Cultivar or Selection	-----Turf Quality ¹ -----			Wear ² 2011 Avg.	Wear Recovery ³ 2011 Avg.	Winter Color ⁴ March 2011	Spring Green-up ⁵ April 2011
	2010- 2011 Avg.	2010 Avg.	2011 Avg.				
1 A03-3606-8	6.8	7.0	6.5	5.7	5.7	4.7	4.0
2 SCKB-4	6.7	6.9	6.6	5.2	5.3	3.3	5.0
3 Blue Chip Plus	6.7	6.7	6.6	5.2	4.8	3.3	3.0
4 Right	6.6	6.7	6.5	4.2	5.2	4.0	5.7
5 A04-1272	6.6	6.5	6.7	5.8	6.7	5.3	4.7
6 Quantum Leap	6.6	6.3	6.8	6.0	5.5	3.7	3.3
7 76-9066	6.5	6.7	6.3	5.5	6.2	5.3	4.7
8 SCKB-3	6.5	6.6	6.4	7.0	6.2	3.3	3.3
9 A03-3	6.5	6.6	6.4	5.5	6.5	6.7	6.7
10 Everest	6.5	6.5	6.5	6.5	6.5	2.7	2.7
11 A06-46	6.5	6.5	6.5	5.0	5.8	3.7	4.3
12 A98-363	6.5	6.9	6.1	5.0	6.8	4.7	6.3
13 Granite	6.5	6.4	6.6	6.5	5.8	3.3	3.0
14 A04-68	6.5	6.7	6.2	6.3	8.0	6.3	7.0
15 A05-360	6.4	6.1	6.7	6.3	7.3	8.0	7.3
16 Blue Velvet	6.4	6.5	6.3	6.0	5.8	3.7	2.7
17 A04-74	6.4	6.3	6.4	5.3	6.7	4.3	4.0
18 Freedom III	6.4	6.3	6.4	5.8	6.0	3.7	3.7
19 A98-363	6.4	6.5	6.2	4.8	7.3	5.0	4.7
20 Award	6.3	6.3	6.3	6.5	5.5	3.3	3.3
21 Midnight II	6.3	6.1	6.5	6.2	6.7	3.3	2.0
22 PST-K9-105D	6.3	6.2	6.4	5.5	5.2	4.0	5.0
23 Liberator	6.3	6.3	6.3	6.0	5.3	4.0	3.0
24 Solar Eclipse	6.3	6.3	6.3	4.8	5.0	3.3	2.7
25 Rush	6.3	6.3	6.3	6.5	6.2	4.7	4.0

(Continued)

Table 5. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Wear ² 2011 Avg.	Wear Recovery ³ 2011 Avg.	Winter Color ⁴ March 2011	Spring Green-up ⁵ April 2011
	2010- 2011 Avg.	2010 Avg.	2011 Avg.				
26 Nu Chicago	6.3	6.4	6.2	5.8	5.5	3.7	2.7
27 Rhythm	6.3	6.3	6.3	5.7	6.3	4.3	3.3
28 Emblem	6.3	6.5	6.1	5.3	5.5	4.0	4.0
29 Mystere	6.3	6.4	6.1	4.8	6.2	7.0	7.3
30 Bewitched	6.3	6.1	6.4	7.0	7.3	2.3	2.7
31 PST-K8-80	6.2	6.2	6.3	6.5	5.2	4.3	3.7
32 Jefferson	6.2	6.3	6.1	6.2	6.2	4.3	7.0
33 A99-2328	6.2	6.7	5.8	4.8	4.8	3.7	2.7
34 Nu Destiny	6.2	5.9	6.5	5.8	5.3	3.3	2.7
35 Alexa II	6.2	6.2	6.2	5.3	5.5	4.3	3.3
36 H99-1653	6.2	6.2	6.2	5.7	7.5	3.7	6.7
37 Nu Blue	6.2	6.3	6.1	5.2	5.0	3.7	2.3
38 Sudden Impact	6.2	5.9	6.4	6.3	6.3	3.7	2.7
39 A03-3597-1	6.2	6.3	6.0	5.7	5.2	3.3	3.0
40 PST-103-87	6.1	6.4	5.8	4.2	5.0	5.0	6.7
41 Starburst	6.1	5.9	6.4	7.0	7.7	6.3	7.7
42 Front Page	6.1	5.9	6.4	5.2	4.7	4.0	4.0
43 A06-19	6.1	6.6	5.6	6.2	4.5	6.0	5.3
44 Everglade	6.1	6.2	6.1	5.5	5.2	4.3	3.7
45 Washington	6.1	5.8	6.5	6.7	7.8	5.0	7.3
46 SCKB-1	6.1	6.0	6.2	6.3	6.5	4.0	3.7
47 A05-316	6.1	6.1	6.1	7.8	7.8	5.0	3.7
48 Rhapsody	6.1	6.3	5.8	5.2	4.7	5.3	6.0
49 Nu Glade	6.1	6.0	6.2	5.3	4.3	3.0	2.3
50 Tsunami	6.1	6.0	6.1	5.2	5.0	3.3	3.0

(Continued)

Table 5. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Wear ² 2011 Avg.	Wear Recovery ³ 2011 Avg.	Winter Color ⁴ March 2011	Spring Green-up ⁵ April 2011
	2010- 2011 Avg.	2010 Avg.	2011 Avg.				
51 Beyond	6.1	6.0	6.1	5.3	6.2	3.3	2.7
52 Amanda	6.1	6.6	5.6	4.8	5.8	6.7	5.7
53 Arcadia	6.1	5.9	6.3	5.7	5.3	4.0	3.0
54 4 Season	6.1	5.9	6.2	6.2	5.7	6.0	5.0
55 A04-46	6.1	6.3	5.8	5.7	6.2	5.0	3.7
56 A00-4199	6.1	6.0	6.1	6.0	6.5	3.3	4.0
57 Avalanche	6.0	5.9	6.2	6.0	5.8	4.0	6.0
58 A04-66	6.0	6.1	6.0	5.3	7.3	5.7	6.3
59 PST-103-585	6.0	5.8	6.2	6.0	5.7	4.7	5.3
60 A00-3037	6.0	5.7	6.3	6.8	7.7	3.7	5.7
61 Touche	6.0	6.0	6.0	6.7	7.7	4.3	6.7
62 STR 2485	6.0	5.8	6.2	6.7	7.0	4.0	6.7
63 Odyssey	6.0	6.0	6.0	5.2	5.3	3.3	3.0
64 Rugby II	6.0	6.1	5.9	5.0	4.7	4.0	3.3
65 SCKB-5	6.0	5.8	6.1	7.0	8.0	6.0	7.0
66 BlueNote	6.0	5.9	6.0	5.8	5.7	5.0	6.7
67 PST-K4-3	6.0	6.0	5.9	3.8	4.5	4.7	6.7
68 Fullback	5.9	6.4	5.5	4.7	4.3	3.3	3.3
69 A01-1106	5.9	6.0	5.9	6.0	5.3	6.7	4.7
70 Prosperity	5.9	6.1	5.7	5.7	6.3	4.0	4.3
71 A04-67	5.9	5.7	6.1	4.3	6.2	7.3	7.3
72 SCKB-2	5.9	5.9	5.9	6.2	6.3	4.0	5.7
73 Ginney II	5.9	6.2	5.6	5.0	5.0	3.7	3.7
74 A03-38	5.9	5.7	6.1	4.7	6.3	7.3	7.7
75 H03-556	5.9	5.8	6.0	7.3	8.0	7.0	8.3

(Continued)

Table 5. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Wear ² 2011 Avg.	Wear Recovery ³ 2011 Avg.	Winter Color ⁴ March 2011	Spring Green-up ⁵ April 2011
	2010- 2011 Avg.	2010 Avg.	2011 Avg.				
76 RAD-849	5.9	5.8	5.9	5.2	5.5	5.3	6.7
77 A98-3366	5.9	5.6	6.2	6.0	5.8	7.7	3.7
78 PST-K9-95	5.9	5.8	5.9	4.8	5.5	4.0	4.0
79 A06-8	5.8	6.2	5.5	4.2	3.5	5.3	6.0
80 PST-K9-89	5.8	5.9	5.7	4.3	4.8	5.3	3.7
81 Jump Start	5.8	5.6	6.0	7.5	7.2	7.0	6.7
82 A99-523	5.8	6.0	5.6	5.5	6.5	3.3	4.0
83 A05TB-382	5.8	6.3	5.3	3.5	4.2	5.3	6.0
84 A99-2758	5.8	5.5	6.1	5.3	7.8	4.7	5.3
85 Alpine	5.8	5.9	5.7	6.8	6.5	3.0	2.3
86 PST-1A4-311	5.7	5.7	5.7	6.0	7.3	3.3	3.7
87 Pp H8400	5.7	5.8	5.7	6.5	6.0	4.3	5.0
88 RAD-840	5.7	5.7	5.8	5.0	6.0	4.7	6.0
89 STR 2509	5.7	6.1	5.4	5.2	6.3	3.3	3.3
90 A06-40	5.7	6.0	5.5	4.2	5.7	4.0	4.3
91 PST-109-996	5.7	5.6	5.8	6.8	7.7	6.0	7.0
92 PST-K9-91	5.7	5.8	5.6	5.3	4.8	5.0	4.7
93 SR-2109	5.7	5.5	5.9	5.7	5.2	3.7	4.3
94 Perfection	5.7	5.7	5.7	5.5	5.3	4.0	2.7
95 A05-315	5.7	5.4	5.9	6.5	6.7	4.7	6.0
96 A05-361	5.7	5.4	5.9	4.0	4.7	4.7	5.3
97 A06-40	5.7	6.2	5.1	5.3	6.5	3.7	5.3
98 H02-607	5.6	5.6	5.7	5.0	5.8	3.7	4.0
99 Futurity	5.6	5.9	5.3	4.8	6.0	3.7	3.3
100 A00-1193	5.6	5.6	5.6	5.3	5.7	3.3	2.3

(Continued)

Table 5. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Wear ² 2011 Avg.	Wear Recovery ³ 2011 Avg.	Winter Color ⁴ March 2011	Spring Green-up ⁵ April 2011
	2010- 2011 Avg.	2010 Avg.	2011 Avg.				
101 PST-K4-7	5.6	5.5	5.7	3.8	4.5	5.3	4.7
102 A04-38	5.6	5.7	5.5	5.7	4.5	4.7	5.3
103 A05-356	5.6	5.7	5.5	4.3	6.5	5.7	7.0
104 PST-K8-81	5.6	5.4	5.7	4.0	4.3	4.0	3.3
105 PST-1A1-326	5.6	6.0	5.2	4.5	5.5	2.7	1.7
106 Valor	5.6	5.8	5.4	4.2	5.7	3.7	3.7
107 PST-K7-28	5.6	5.5	5.6	5.5	6.0	4.0	3.3
108 Rampart	5.6	5.3	5.8	6.0	5.5	4.7	4.3
109 A94MH-94	5.5	5.6	5.4	4.8	6.0	4.0	3.3
110 A00-891	5.5	5.8	5.2	4.3	3.8	3.7	3.7
111 P-105	5.5	5.8	5.3	4.7	7.3	4.0	4.0
112 A09-230	5.5	6.0	5.0	4.7	6.0	5.3	5.7
113 PST-K9-96	5.5	5.8	5.2	5.0	5.5	5.0	5.0
114 A05-331	5.5	5.5	5.5	5.0	6.3	3.3	3.3
115 A05-354	5.5	5.4	5.6	5.5	6.0	4.3	4.3
116 A98-344 C-74xOP	5.5	6.0	5.0	3.5	4.3	5.0	4.3
117 PST-99-34736-07	5.5	5.4	5.5	5.5	3.3	4.0	4.0
118 PSG 2109-5SLT	5.5	5.1	5.9	5.7	5.0	5.0	4.3
119 A05-347	5.5	5.8	5.2	4.3	4.2	4.7	3.7
120 A04-1557	5.5	5.5	5.4	5.0	4.8	2.3	2.7
121 A09-259	5.5	5.8	5.2	4.8	5.0	4.3	5.3
122 PST-K7-24	5.5	5.2	5.7	6.3	7.7	5.3	5.7
123 Zinfandel	5.5	5.6	5.3	3.5	3.5	5.0	4.7
124 Julia	5.5	5.1	5.9	5.2	6.2	4.7	5.0
125 PST-K9-90	5.5	5.4	5.5	6.7	6.0	3.7	4.0

(Continued)

Table 5. Kentucky bluegrass turf trial, 2009 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----			Wear ² 2011 Avg.	Wear Recovery ³ 2011 Avg.	Winter Color ⁴ March 2011	Spring Green-up ⁵ April 2011
		2010- 2011 Avg.	2010 Avg.	2011 Avg.				
126	Cheetah	5.4	5.6	5.2	5.7	4.7	5.7	5.0
127	A03-677	5.4	5.4	5.5	3.2	4.5	7.3	7.3
128	Argos	5.4	5.5	5.4	4.5	5.7	5.7	5.0
129	A06-28	5.4	5.2	5.6	3.7	4.2	4.7	2.0
130	A05-894	5.4	5.2	5.7	5.7	6.0	6.7	6.3
131	Brilliant	5.4	5.5	5.4	5.0	5.7	4.0	4.3
132	PST-K9-100	5.4	5.5	5.3	5.7	6.3	4.0	4.3
133	RAD-1209	5.4	5.6	5.2	4.5	5.0	3.3	4.3
134	RAD-1224	5.4	5.8	5.0	4.0	4.3	4.0	5.7
135	A99-2377	5.4	6.0	4.8	3.7	6.0	4.0	4.0
136	A07-5	5.4	5.5	5.3	6.3	7.5	2.7	3.7
137	Arrowhead	5.4	5.0	5.8	6.3	6.3	4.7	5.0
138	Diva	5.4	5.7	5.1	4.3	3.8	3.7	4.0
139	A03-77	5.4	5.6	5.2	4.7	5.7	4.3	4.0
140	A09-231	5.4	5.2	5.6	5.3	7.0	4.7	5.0
141	RAD-422	5.4	5.3	5.4	4.7	5.8	5.0	4.7
142	Voyager II	5.4	5.7	5.0	4.3	5.5	4.7	4.0
143	Fahrenheit 90	5.4	5.6	5.1	3.8	5.7	4.0	5.0
144	A05-311	5.4	5.5	5.2	5.2	4.5	5.0	6.0
145	Moonshine	5.3	5.3	5.4	5.2	3.7	6.3	6.0
146	PST-A07-393	5.3	5.4	5.3	5.2	5.8	3.0	3.0
147	A05-351	5.3	5.3	5.4	4.2	4.8	3.0	3.3
148	PST-K8-60	5.3	5.8	4.8	3.3	4.2	3.7	3.7
149	A99-2026	5.3	5.6	5.0	5.2	5.3	3.0	2.3
150	H01-938	5.3	5.2	5.4	6.0	8.0	3.3	7.3

(Continued)

Table 5. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Wear ² 2011 Avg.	Wear Recovery ³ 2011 Avg.	Winter Color ⁴ March 2011	Spring Green-up ⁵ April 2011
	2010- 2011 Avg.	2010 Avg.	2011 Avg.				
151 PST-K9-93	5.3	5.6	5.0	3.5	4.0	4.3	4.3
152 PST-K8-76NO	5.3	5.2	5.4	7.0	7.3	2.7	3.7
153 PST-K9-92FR	5.3	5.5	5.1	5.3	5.0	5.0	4.3
154 A05-319	5.3	5.1	5.5	6.0	5.7	5.7	6.3
155 PST-104-4	5.3	5.5	5.1	5.2	4.8	3.3	3.0
156 A04-38	5.3	5.1	5.5	4.8	4.5	5.0	5.0
157 A09-232	5.3	5.3	5.2	5.0	6.8	3.3	3.0
158 PSG-711	5.3	5.5	5.1	4.7	6.0	3.3	2.3
159 A06-11	5.3	5.3	5.3	3.7	5.5	6.0	7.0
160 PST-K8-77NO	5.3	5.1	5.4	5.3	5.5	4.0	3.3
161 PST-T7-7	5.3	5.6	4.9	4.7	5.2	2.3	4.0
162 A04-1271	5.3	5.5	5.0	7.3	8.2	3.0	4.0
163 PST-K9-101	5.2	5.5	4.9	3.8	6.2	3.0	3.0
164 A05-321	5.2	5.4	5.0	5.3	5.8	5.0	4.7
165 A08-2	5.2	6.0	4.5	3.0	3.3	4.0	3.3
166 North Star	5.2	5.2	5.3	5.5	4.0	4.0	2.7
167 PST-104-59	5.2	5.3	5.1	4.5	6.0	4.3	5.0
168 RAD-1214	5.2	5.4	5.1	4.8	5.7	5.0	6.0
169 SR 2284	5.2	5.2	5.2	4.3	4.2	6.7	4.7
170 Golden Nugget	5.2	5.1	5.3	6.2	6.5	4.3	5.3
171 A04-1407	5.2	4.8	5.6	5.3	6.0	2.3	2.3
172 A98-210	5.2	5.3	5.1	3.5	3.8	6.0	4.7
173 A04-36	5.2	5.1	5.3	5.8	5.2	5.0	5.7
174 Sombrero	5.2	5.1	5.2	5.2	6.5	6.0	5.3
175 A04-63	5.2	4.9	5.4	6.0	6.8	4.7	5.0

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(Continued)

Table 5. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Wear ² 2011 Avg.	Wear Recovery ³ 2011 Avg.	Winter Color ⁴ March 2011	Spring Green-up ⁵ April 2011
	2010- 2011 Avg.	2010 Avg.	2011 Avg.				
176 PST-K9-99	5.2	5.2	5.1	6.3	5.5	5.0	4.3
177 PST-K9-104	5.2	5.3	5.0	5.8	6.2	4.3	3.3
178 PST-K9-82	5.2	5.1	5.2	4.8	6.3	4.3	5.0
179 PST-K4-15	5.2	5.6	4.7	4.0	4.2	4.0	5.7
180 RAD-1217	5.2	5.8	4.5	4.0	4.7	3.0	4.7
181 TD-5 JP08	5.2	5.1	5.2	4.8	6.3	5.0	6.7
182 PSG 2677	5.2	5.2	5.1	4.0	4.0	8.3	7.7
183 A06-24	5.2	5.7	4.6	4.3	3.0	4.7	4.0
184 A05-204	5.2	5.6	4.7	2.7	3.8	4.7	3.3
185 Monte Carlo	5.1	5.3	5.0	3.3	4.3	3.3	3.3
186 RAD-1206	5.1	5.1	5.1	4.5	6.8	3.7	5.3
187 TD-4-JP08	5.1	5.1	5.1	4.5	5.5	4.0	7.0
188 GS-5-09	5.1	4.8	5.4	5.8	5.0	5.0	4.7
189 Pp H9131	5.1	5.2	5.0	5.3	6.0	5.0	5.3
190 A07-377	5.1	5.1	5.1	5.0	4.5	4.3	3.7
191 PST-K9-83	5.1	5.3	4.9	4.2	3.8	4.7	4.3
192 A05-297	5.1	5.6	4.6	4.5	5.2	3.3	2.3
193 A93-201	5.1	5.1	5.1	4.2	3.7	5.3	6.0
194 Moon Beam	5.1	5.3	4.8	5.0	4.5	4.3	4.0
195 TD-2-JP08	5.1	5.1	5.0	4.5	5.5	4.3	6.7
196 Anastasia	5.1	4.9	5.2	5.2	5.8	4.3	3.0
197 Brooklawn	5.1	5.1	5.0	5.2	4.0	5.3	5.7
198 PST-K8-75NO	5.0	5.3	4.8	5.7	4.7	4.7	5.0
199 A06-2	5.0	5.3	4.8	5.0	4.3	4.3	3.3
200 A06-26	5.0	5.2	4.9	4.8	4.0	4.0	3.7

(Continued)

Table 5. Kentucky bluegrass turf trial, 2009 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----			Wear ² 2011 Avg.	Wear Recovery ³ 2011 Avg.	Winter Color ⁴ March 2011	Spring Green-up ⁵ April 2011
		2010- 2011 Avg.	2010 Avg.	2011 Avg.				
201	Blacksburg	5.0	5.2	4.8	5.0	5.0	4.7	4.0
202	Wildhorse	5.0	4.9	5.1	4.5	3.8	5.3	5.3
203	A09-258	5.0	4.9	5.1	5.2	7.3	7.0	9.0
204	Bandera	5.0	5.2	4.8	4.3	5.8	2.7	2.0
205	PST-K7-29	5.0	5.2	4.7	3.8	2.5	5.0	4.3
206	A04-78 RSP	5.0	5.2	4.7	5.7	8.2	6.0	8.7
207	A04-1547	5.0	5.0	4.9	6.2	7.0	3.7	3.7
208	A09-256	5.0	4.9	5.0	3.7	4.3	2.7	4.0
209	Mozart 1	4.9	5.1	4.8	5.2	6.3	5.3	4.7
210	America	4.9	4.9	5.0	4.2	6.0	3.3	3.3
211	PST-A06-632	4.9	4.8	5.0	5.2	3.8	5.0	4.3
212	A05-925	4.9	4.6	5.2	4.3	5.5	5.3	5.3
213	Bronco	4.9	5.0	4.8	4.7	4.8	4.3	3.7
214	Eagleton	4.9	4.9	4.9	3.7	4.0	5.3	5.0
215	RAD-924	4.9	5.1	4.7	4.5	5.2	5.7	7.0
216	PST-K9-87	4.9	5.0	4.7	2.3	3.7	4.3	5.3
217	RAD-892	4.9	5.0	4.7	3.8	2.5	5.7	4.3
218	A04-1260	4.8	4.8	4.9	5.0	6.2	4.0	5.0
219	A03TB-364	4.8	4.4	5.1	5.2	6.0	4.7	6.0
220	PST-K7-58S	4.8	4.8	4.7	3.7	5.2	3.3	2.7
221	PST-K9-85	4.8	5.2	4.3	3.0	3.7	5.3	5.0
222	A04-1268	4.8	4.8	4.7	3.8	4.7	4.3	4.3
223	PST-K9-88	4.7	5.0	4.5	3.7	4.8	6.0	5.7
224	STR 2451	4.7	4.8	4.7	4.5	6.2	3.7	2.3
225	PST-T9-16	4.7	5.1	4.3	4.2	6.0	4.7	4.3

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(Continued)

Table 5. Kentucky bluegrass turf trial, 2009 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----			Wear ² 2011 Avg.	Wear Recovery ³ 2011 Avg.	Winter Color ⁴ March 2011	Spring Green-up ⁵ April 2011
		2010- 2011 Avg.	2010 Avg.	2011 Avg.				
226	A99-2444	4.7	4.9	4.5	3.2	4.7	5.0	3.3
227	Bordeaux	4.7	4.9	4.5	3.7	4.8	5.0	4.3
228	Touchdown	4.7	4.4	4.9	4.7	6.0	6.3	7.0
229	A99-3110	4.7	5.2	4.1	3.7	3.7	4.3	3.7
230	A09-260	4.6	4.8	4.5	4.0	3.3	5.3	5.3
231	Action	4.6	4.7	4.5	3.8	4.5	5.7	6.0
232	PST-1G4-66	4.6	4.6	4.5	3.8	4.0	5.7	4.3
233	H01-492 U-30	4.6	4.1	5.0	5.3	7.3	5.3	9.0
234	PST-K9-94	4.6	4.7	4.4	3.7	5.0	4.3	4.7
235	RAD-860	4.6	4.8	4.4	4.8	4.8	4.0	5.3
236	Guinness	4.6	4.5	4.7	4.2	3.8	4.7	5.7
237	Extra	4.6	5.0	4.1	4.5	5.0	4.7	4.3
238	TD-7 JP08	4.6	4.6	4.5	4.0	4.7	3.3	5.3
239	A09-257	4.5	4.8	4.2	3.2	4.0	5.0	3.7
240	Revel I	4.5	4.9	4.1	2.8	4.0	4.3	5.0
241	STR 2278	4.5	4.6	4.4	3.7	5.3	3.7	2.7
242	A06-47	4.5	4.0	4.9	4.2	5.2	5.0	4.7
243	Limousine	4.4	4.1	4.8	5.3	5.7	5.0	5.0
244	PST-102-307	4.4	4.5	4.3	4.2	4.0	4.3	4.0
245	A02-976	4.4	4.7	4.1	3.0	3.3	5.7	6.0
246	RAD-926	4.4	4.2	4.5	5.8	6.3	3.3	4.7
247	Columbus	4.4	4.6	4.1	2.8	5.5	4.7	7.0
248	OF-10000	4.3	4.5	4.1	3.3	5.0	5.0	3.3
249	GS-4-09	4.3	4.9	3.7	3.8	3.8	4.0	3.3
250	Full Moon	4.2	4.5	4.0	3.2	4.2	5.0	5.3

(Continued)

Table 5. Kentucky bluegrass turf trial, 2009 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----			Wear ² 2011 Avg.	Wear Recovery ³ 2011 Avg.	Winter Color ⁴ March 2011	Spring Green-up ⁵ April 2011
		2010- 2011 Avg.	2010 Avg.	2011 Avg.				
251	STR 2553	4.2	4.0	4.4	3.8	5.5	2.7	2.3
252	Shamrock	4.2	4.3	4.1	3.2	2.3	5.7	5.7
253	GS-3-09	4.2	3.9	4.5	2.8	4.0	5.3	4.3
254	PST-K9-102	4.2	4.2	4.1	3.2	4.2	5.0	5.3
255	A05-323	4.2	4.0	4.3	4.3	5.7	3.3	5.0
256	A04TB-327	4.2	3.9	4.4	2.7	3.7	5.0	5.3
257	STR 23078	4.2	4.4	3.9	3.7	4.2	4.3	3.3
258	STR 2324	4.2	4.2	4.1	3.7	5.0	2.7	3.0
259	A98-1001	4.2	4.1	4.2	3.3	2.7	3.7	4.3
260	GS-2a-09	4.1	4.0	4.2	3.8	4.5	5.0	4.3
261	PST-K9-103	4.0	4.1	4.0	3.2	4.0	6.3	5.0
262	PST-K7-59S	4.0	4.4	3.6	2.5	1.5	4.3	4.0
263	Orfeo	4.0	4.0	3.9	3.0	4.0	5.3	3.3
264	PST-102-1011	3.9	4.3	3.5	2.2	2.5	4.3	5.3
265	Kingfisher	3.9	4.1	3.8	3.7	4.3	5.7	3.7
266	PST-K9-84	3.9	4.5	3.4	1.8	1.3	6.0	4.3
267	RAD-641	3.9	4.2	3.6	4.2	4.2	5.7	3.7
268	A98-39	3.9	3.8	4.0	3.0	4.0	4.7	3.7
269	A05TB-60	3.9	3.9	3.8	4.0	4.7	3.7	4.3
270	A04TB-192	3.8	4.3	3.3	2.5	2.2	6.0	5.3
271	RAD-614	3.8	4.4	3.1	1.7	3.3	4.7	4.3
272	Orfeo	3.7	3.5	4.0	3.5	5.7	4.3	3.3
273	PST-K8-64	3.7	3.9	3.4	2.3	2.5	4.7	3.3
274	A05TB-41	3.7	3.9	3.4	2.5	3.8	5.7	5.3
275	A05-350	3.6	4.1	3.2	2.3	3.8	5.7	4.3

(Continued)

Table 5. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Wear ² 2011 Avg.	Wear Recovery ³ 2011 Avg.	Winter Color ⁴ March 2011	Spring Green-up ⁵ April 2011
	2010- 2011 Avg.	2010 Avg.	2011 Avg.				
276 Ulysses	3.6	3.2	4.0	3.8	4.2	5.0	4.0
277 A09-255	3.6	3.6	3.5	2.7	3.0	3.7	3.7
278 PST-K9-98	3.5	3.9	3.0	2.7	3.5	2.0	1.3
279 Spitfire	3.4	3.4	3.4	2.7	3.5	5.0	4.0
280 STR 23064	3.4	3.1	3.7	3.5	4.8	3.3	3.0
281 A09-250	3.4	3.0	3.8	3.3	5.3	4.0	5.3
282 PST-K9-86	3.4	3.8	3.0	1.8	1.3	4.3	3.7
283 GS-2-09	3.4	3.2	3.6	2.5	3.0	6.3	4.7
284 PST-102-158	3.4	2.9	3.8	2.7	4.0	5.0	2.7
285 A09-251	3.3	3.0	3.7	2.8	4.5	4.0	2.3
286 RAD-648	3.3	3.3	3.3	3.3	5.0	3.7	4.7
287 A05TB-409	3.3	3.3	3.2	3.0	2.3	4.3	6.7
288 PST-K8-65	2.9	3.7	2.2	1.8	1.3	5.0	4.3
289 SCKB-6	2.8	2.9	2.7	1.7	2.5	3.3	2.7
290 Mercury	2.8	2.2	3.4	2.8	4.0	3.3	3.3
291 Camas	2.4	2.8	2.0	1.3	4.3	8.7	9.0
292 STR 235	2.2	1.5	2.8	3.2	3.5	3.7	3.7
293 A03TB-772	1.8	1.1	2.5	2.7	3.0	3.7	3.3
LSD at 5% =	0.7	0.9	0.8	1.3	1.4	1.2	1.2

¹9 = best turf quality

²9 = least wear damage

³9 = best recovery from wear stress

⁴9 = darkest green winter color

⁵9 = earliest spring green-up

Table 6. Performance of Kentucky bluegrass cultivars and selections in a low maintenance turf trial seeded in September 2009 at North Brunswick, NJ.

Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² April 2011	Drought Tolerance ³ June 2011
	2010-2011 Avg.	2010 Avg.	2011 Avg.		
1 H01-697	5.8	6.3	5.3	6.0	4.0
2 A06-46	5.8	6.0	5.6	6.0	6.3
3 A05-360	5.7	5.5	6.0	7.7	7.0
4 A03-3606-8	5.6	5.4	5.8	4.7	8.0
5 Fullback	5.6	5.5	5.6	5.3	7.3
6 Avalanche	5.5	5.3	5.7	6.7	7.3
7 A06-40	5.5	6.2	4.8	4.0	4.3
8 H99-1653	5.5	5.9	5.1	6.7	7.3
9 SCKB-1	5.4	5.2	5.7	5.3	6.7
10 PST-K9-93	5.4	5.1	5.7	4.0	8.3
11 PSG 2109-5SLT	5.4	5.5	5.3	5.3	6.0
12 A03TB-364	5.4	5.3	5.5	7.7	6.3
13 SCKB-5	5.3	6.0	4.7	5.7	3.3
14 Touche	5.3	5.2	5.4	7.0	6.7
15 A05TB-382	5.3	5.8	4.9	6.7	7.0
16 Rhapsody	5.3	5.9	4.7	6.3	4.7
17 A03-677	5.3	5.6	4.9	8.0	5.3
18 A06-2	5.3	5.7	4.8	3.7	4.3
19 PST-1A1-326	5.2	5.2	5.2	3.3	5.0
20 A98-363	5.2	5.2	5.2	7.3	3.3
21 PST-K8-80	5.2	5.0	5.3	4.0	6.0
22 SCKB-3	5.2	5.1	5.3	4.0	6.7
23 4 Season	5.2	5.1	5.3	3.7	6.0
24 Bewitched	5.2	5.2	5.3	1.7	6.7
25 H03-556	5.2	5.3	5.1	9.0	4.0
26 PST-109-996	5.2	5.7	4.6	7.3	3.3
27 A06-28	5.2	5.6	4.8	2.7	5.0
28 A04-1547	5.2	5.7	4.6	4.7	6.0
29 A06-19	5.1	5.4	4.8	3.0	5.7
30 A98-3366	5.1	5.5	4.8	5.7	7.0
31 A99-523	5.1	5.9	4.3	3.7	2.0
32 Nu Glade	5.1	4.7	5.6	3.7	5.3
33 Mystere	5.1	4.8	5.4	8.3	6.3
34 A09-258	5.1	5.5	4.8	9.0	2.7
35 A01-1106	5.1	5.4	4.8	5.3	6.7

(Continued)

Table 6. Kentucky bluegrass low maintenance turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² April 2011	Drought Tolerance ³ June 2011
	2010-2011 Avg.	2010 Avg.	2011 Avg.		
36 A00-3037	5.1	4.9	5.2	6.0	5.7
37 BlueNote	5.1	4.8	5.3	7.3	5.7
38 Midnight II	5.0	4.9	5.2	3.3	5.7
39 A04-68	5.0	4.5	5.6	7.3	6.7
40 A05-894	5.0	5.5	4.6	5.3	4.7
41 Blacksburg	5.0	5.2	5.0	4.7	5.3
42 A05-311	5.0	4.8	5.2	6.3	5.0
43 A04-63	5.0	5.5	4.5	6.7	3.0
44 A04-1272	5.0	5.4	4.7	5.3	5.7
45 Eagleton	5.0	5.2	4.7	5.7	5.3
46 A04-1557	5.0	5.6	4.3	3.3	4.7
47 A98-344	5.0	5.3	4.7	4.0	5.3
48 Columbus	5.0	5.5	4.4	8.0	5.3
49 A99-2758	5.0	4.5	5.4	7.0	3.7
50 A99-2328	5.0	5.1	4.8	3.0	5.7
51 Prosperity	4.9	4.9	4.9	4.3	5.7
52 P-105	4.9	5.2	4.6	5.0	8.0
53 RSP	4.9	5.9	3.9	9.0	2.3
54 PST-K9-91	4.9	4.5	5.3	5.7	5.7
55 Jump Start	4.9	5.2	4.6	7.7	4.7
56 Futurity	4.9	5.5	4.3	3.0	2.3
57 A06-40	4.9	5.2	4.6	4.7	4.3
58 A93-201	4.9	5.0	4.8	7.3	5.7
59 A00-4199	4.9	4.6	5.2	6.0	6.0
60 A04-67	4.9	4.5	5.3	7.7	5.0
61 A05-331	4.9	5.3	4.5	3.0	3.3
62 RAD-860	4.9	4.8	5.0	6.3	5.3
63 Blue Velvet	4.9	4.3	5.5	4.0	6.3
64 A06-24	4.9	5.5	4.2	2.7	5.7
65 A04-1407	4.9	4.9	4.8	4.0	5.0
66 A04-38	4.9	5.2	4.5	6.0	4.3
67 Washington	4.9	4.6	5.1	7.3	7.0
68 A04-66	4.9	4.6	5.1	6.7	5.3
69 A03-38	4.9	4.2	5.5	7.7	7.0
70 PST-K8-81	4.8	4.5	5.1	5.0	5.3

(Continued)

Table 6. Kentucky bluegrass low maintenance turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² April 2011	Drought Tolerance ³ June 2011
	2010-2011 Avg.	2010 Avg.	2011 Avg.		
71 SCKB-4	4.8	4.6	5.1	5.3	4.3
72 A03-3	4.8	4.3	5.3	7.7	5.7
73 Wildhorse	4.8	4.8	4.7	7.0	5.7
74 Diva	4.8	4.7	4.9	4.7	4.3
75 Brooklawn	4.8	5.0	4.6	7.0	5.3
76 A04-36	4.8	4.8	4.8	7.7	4.3
77 Brilliant	4.8	4.9	4.6	3.0	3.3
78 Rhythm	4.8	4.4	5.1	3.7	5.3
79 Solar Eclipse	4.8	4.1	5.4	3.3	5.3
80 Rugby II	4.8	4.8	4.7	5.3	4.7
81 A04-1268	4.8	5.2	4.4	6.3	5.3
82 A03-77	4.7	5.0	4.5	5.0	5.7
83 Zinfandel	4.7	4.7	4.8	4.3	6.7
84 A05-315	4.7	4.6	5.0	6.0	4.3
85 H01-938	4.7	5.3	4.2	8.7	3.0
86 H02-607	4.7	5.0	4.5	3.7	5.7
87 PST-K7-58S	4.7	4.5	4.9	5.7	5.3
88 Sombrero	4.7	5.2	4.2	7.3	3.3
89 OF-10000	4.7	5.2	4.2	4.3	5.7
90 Shannon	4.7	4.8	4.7	6.7	5.7
91 PST-K9-96	4.7	5.0	4.3	6.0	2.0
92 Touchdown	4.7	4.8	4.5	8.3	3.3
93 Shamrock	4.7	4.6	4.7	6.7	6.0
94 Arrowhead	4.7	4.4	4.9	6.3	5.0
95 Bordeaux	4.7	5.1	4.2	4.3	3.0
96 Everest	4.7	4.3	5.0	3.7	4.0
97 A06-11	4.7	4.5	4.9	7.0	4.0
98 PST-K9-83	4.6	4.8	4.5	4.7	5.3
99 Valor	4.6	5.1	4.2	4.0	2.3
100 Pp H9131	4.6	4.6	4.7	7.0	5.3
101 A99-2377	4.6	5.1	4.1	5.0	4.0
102 A05-351	4.6	4.3	5.0	3.3	7.7
103 Freedom III	4.6	3.8	5.4	4.3	4.7
104 PST-K9-104	4.6	4.1	5.1	3.7	5.7
105 PST-K8-60	4.6	4.9	4.2	7.0	4.7

(Continued)

Table 6. Kentucky bluegrass low maintenance turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² April 2011	Drought Tolerance ³ June 2011
	2010-2011 Avg.	2010 Avg.	2011 Avg.		
106 A05-347	4.6	4.4	4.7	3.0	6.3
107 A09-232	4.6	4.6	4.5	4.0	4.0
108 A04-46	4.6	4.4	4.7	3.0	6.3
109 A04-1260	4.6	4.9	4.2	6.3	3.0
110 A08-2	4.6	5.1	4.0	3.7	5.3
111 PST-K7-24	4.5	4.6	4.4	7.0	3.3
112 PST-K9-103	4.5	4.3	4.8	6.7	4.3
113 SCKB-2	4.5	4.5	4.6	6.3	5.7
114 A03-3597-1	4.5	4.3	4.7	4.3	5.3
115 A98-210	4.5	4.8	4.2	5.0	6.0
116 A04-1271	4.5	5.1	4.0	6.3	3.0
117 RAD-849	4.5	5.0	4.1	7.3	3.7
118 A94MH-94	4.5	4.7	4.4	2.3	4.0
119 A00-1193	4.5	4.3	4.7	3.3	6.3
120 A09-256	4.5	4.1	4.9	5.0	6.0
121 Beyond	4.5	3.9	5.0	4.0	5.0
122 A06-8	4.5	4.1	4.8	6.0	6.3
123 PST-K9-85	4.4	4.4	4.5	4.7	5.7
124 PST-102-307	4.4	4.7	4.2	6.0	3.3
125 SR-2100	4.4	4.7	4.1	3.0	3.7
126 PST-K9-101	4.4	4.6	4.2	4.7	4.0
127 Bronco	4.4	4.3	4.4	4.0	6.0
128 A04-74	4.4	4.7	4.2	3.7	5.3
129 Action	4.4	4.7	4.2	7.0	3.7
130 Jefferson	4.4	4.6	4.2	7.3	5.3
131 A05-925	4.4	4.6	4.2	7.3	3.0
132 A06-47	4.4	4.1	4.7	6.3	6.3
133 PST-T9-16	4.4	4.5	4.2	5.3	2.0
134 Liberator	4.4	4.1	4.6	4.0	5.0
135 Voyager II	4.3	4.5	4.2	4.3	3.0
136 A05-297	4.3	4.2	4.6	3.3	5.7
137 Julia	4.3	4.7	3.9	5.7	3.3
138 A05TB-409	4.3	4.1	4.6	9.0	4.0
139 PST-K9-94	4.3	4.3	4.3	5.0	4.7
140 A09-259	4.3	4.2	4.4	6.0	4.7

(Continued)

Table 6. Kentucky bluegrass low maintenance turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² April 2011	Drought Tolerance ³ June 2011
	2010-2011 Avg.	2010 Avg.	2011 Avg.		
141 A05-354	4.3	4.0	4.6	4.0	6.0
142 PSG-711	4.3	4.2	4.4	4.0	2.3
143 Rampart	4.3	4.0	4.6	5.3	5.0
144 K7-32 Extra	4.2	4.4	4.2	6.3	3.7
145 Orfeo	4.2	3.8	4.7	4.3	6.3
146 A05-316	4.2	4.0	4.5	3.7	6.0
147 A04-38	4.2	4.2	4.3	5.7	3.3
148 Moonshine	4.2	4.1	4.4	6.7	5.7
149 Amanda	4.2	4.3	4.2	6.0	4.3
150 Cheetah	4.2	4.2	4.2	5.7	2.3
151 A05-321	4.2	4.0	4.3	6.3	3.7
152 A99-2026	4.2	4.0	4.4	4.0	5.7
153 A98-39	4.2	4.3	4.1	4.0	6.0
154 PST-K9-88	4.2	3.8	4.5	5.7	4.3
155 A05-350	4.2	4.4	4.0	4.3	5.7
156 RAD-1206	4.2	4.5	3.9	6.3	3.0
157 RAD-924	4.2	4.4	4.0	9.0	4.3
158 A09-260	4.2	4.5	3.8	5.7	4.7
159 A99-2444	4.2	4.3	4.0	3.3	4.3
160 Moon Beam	4.1	3.6	4.7	4.7	6.0
161 A07-377	4.1	3.8	4.4	5.0	4.3
162 Monte Carlo	4.1	4.2	4.1	5.0	5.0
163 76-9066	4.1	3.9	4.3	4.0	5.3
164 RAD-926	4.1	3.7	4.5	5.3	5.0
165 America	4.1	3.9	4.3	4.7	2.7
166 Argos	4.1	3.8	4.4	5.3	6.3
167 Nu Blue	4.1	3.5	4.7	3.0	4.0
168 Alexa II	4.1	3.6	4.7	3.3	5.3
169 A09-230	4.1	3.9	4.2	6.3	5.3
170 H01-492	4.1	4.8	3.5	8.7	2.7
171 PST-K9-89	4.1	3.6	4.5	4.3	3.7
172 RAD-1224	4.0	3.7	4.4	7.0	5.3
173 Limousine	4.0	3.8	4.2	6.7	3.3
174 A06-26	4.0	4.0	4.0	5.0	5.0
175 RAD-840	4.0	4.0	3.9	5.3	4.3

(Continued)

Table 6. Kentucky bluegrass low maintenance turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² April 2011	Drought Tolerance ³ June 2011
	2010-2011 Avg.	2010 Avg.	2011 Avg.		
176 Fahrenheit 90	4.0	3.7	4.3	5.0	3.0
177 Nu Destiny	4.0	3.4	4.6	3.0	4.7
178 Perfection	4.0	3.5	4.5	3.7	5.0
179 Everglade	3.9	3.9	4.0	3.7	3.7
180 Award	3.9	3.4	4.5	3.3	5.0
181 Tsunami	3.9	3.7	4.2	2.7	5.0
182 Rush	3.9	3.2	4.7	3.7	5.3
183 Guinness	3.9	3.7	4.2	6.7	4.7
184 A09-255	3.9	3.5	4.3	4.0	6.3
185 RAD-614	3.9	4.3	3.4	5.3	3.0
186 Sudden Impact	3.9	3.4	4.5	3.7	4.7
187 PST-K9-84	3.9	4.1	3.6	6.3	5.3
188 Nu Chicago	3.9	3.6	4.2	3.0	4.0
189 PST-K8-77NO	3.8	3.8	3.8	4.3	5.0
190 Blue Chip Plus	3.8	3.3	4.4	3.0	4.0
191 A05-204	3.8	4.1	3.6	3.7	2.3
192 RAD-1209	3.8	3.5	4.2	7.0	3.3
193 A09-231	3.8	3.4	4.3	6.0	2.7
194 Full Moon	3.8	4.0	3.6	6.7	1.7
195 SCKB-6	3.8	3.1	4.4	5.7	5.3
196 A04TB-327	3.8	3.2	4.4	6.7	4.3
197 Front Page	3.8	3.2	4.3	4.3	3.7
198 A05-356	3.8	3.3	4.3	6.3	4.3
199 A05-323	3.7	3.8	3.6	4.3	3.0
200 RAD-1214	3.7	3.3	4.1	7.0	3.7
201 PST-102-1011	3.7	4.1	3.3	5.3	2.3
202 Golden Nugget	3.7	4.0	3.4	5.0	2.7
203 Pp H8400	3.7	3.5	3.9	5.3	3.3
204 Ginney II	3.7	3.6	3.8	5.0	3.7
205 A09-250	3.7	3.4	4.0	7.3	3.3
206 A02-976	3.6	3.6	3.7	5.7	4.3
207 RAD-1217	3.6	3.3	3.9	7.0	5.0
208 TD-5 JP08	3.6	3.3	4.0	7.7	2.0
209 Mozart 1	3.6	3.5	3.6	6.5	3.3
210 PST-K9-102	3.5	3.1	4.0	8.3	4.0

(Continued)

Table 6. Kentucky bluegrass low maintenance turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² April 2011	Drought Tolerance ³ June 2011
	2010-2011 Avg.	2010 Avg.	2011 Avg.		
211 RAD-422	3.5	3.0	4.0	5.3	6.0
212 Granite	3.5	2.6	4.4	4.0	5.3
213 A09-251	3.5	2.9	4.1	3.0	5.0
214 PST-K9-95	3.4	3.6	3.3	3.3	3.3
215 TD-7 JP08	3.4	3.0	3.9	7.0	2.7
216 A04TB-192	3.4	3.3	3.7	5.0	4.3
217 Right	3.4	3.4	3.4	5.0	2.7
218 A05TB-41	3.4	3.2	3.5	4.7	4.7
219 RAD-648	3.3	3.3	3.4	5.0	3.7
220 A09-257	3.3	2.8	3.8	4.0	5.3
221 A98-1001	3.3	2.9	3.7	7.0	4.3
222 North Star	3.2	3.1	3.4	4.0	3.7
223 A05TB-60	3.2	2.9	3.6	6.0	3.3
224 RAD-641	3.2	3.1	3.3	3.7	4.3
225 PST-K8-65	3.1	3.4	2.9	5.3	2.3
226 PST-104-4	3.1	2.7	3.5	4.3	4.7
227 PST-K9-98	3.1	2.9	3.4	3.0	1.7
228 Odyssey	3.1	2.8	3.5	3.3	4.0
229 PST-K7-59S	3.1	3.1	3.1	5.3	3.7
230 Mercury	3.0	2.3	3.7	6.5	3.3
231 RAD-892	3.0	3.0	3.0	4.7	4.7
232 Revel I	2.9	2.7	3.2	5.0	3.0
233 Camas	2.9	3.3	2.6	9.0	1.7
234 A03TB-772	2.8	2.0	3.6	5.7	4.3
235 A07-5	2.6	2.7	2.6	3.0	1.3
236 Anastasia	2.4	2.6	2.3	3.0	2.0
LSD at 5% =	1.1	1.3	1.1	1.8	1.8

¹9 = best turf quality

²9 = earliest spring green-up

³9 = least drought stressed

Table 7. Performance of Kentucky bluegrass cultivars and selections in a shaded turf trial seeded in September 2009 at Adelphia, NJ.

Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² 2011
	2010- 2011 Avg.	2010 Avg.	2011 Avg.	
1 A04-383	7.2	7.4	6.9	8.0
2 Diva	6.7	7.0	6.4	4.3
3 BlueNote	6.5	6.5	6.5	7.0
4 K9-105D	6.5	7.0	6.0	6.0
5 103-87	6.3	6.7	6.0	4.7
6 K4-3	6.3	7.1	5.5	3.7
7 Prosperity	6.3	6.6	6.0	4.0
8 Mozart 1	6.2	5.8	6.7	5.0
9 104-59	6.2	6.2	6.3	6.7
10 103-651	6.2	5.9	6.5	4.0
11 K9-100	6.2	6.4	5.9	4.3
12 A96-1338	6.2	6.6	5.7	7.0
13 AKB434	6.1	5.6	6.7	5.0
14 A09-258	6.0	5.8	6.1	8.3
15 K7-29	5.9	6.0	5.9	4.3
16 A03-351	5.9	6.1	5.8	3.7
17 A05-201	5.9	5.7	6.1	7.0
18 K9-90	5.9	6.2	5.5	3.0
19 1A4-311	5.9	6.2	5.5	3.0
20 A04-1488	5.8	5.3	6.3	4.3
21 Bewitched	5.8	6.0	5.6	3.7
22 K9-82	5.7	5.9	5.5	6.3
23 K4-7	5.7	6.0	5.3	4.3
24 K9-99	5.7	5.2	6.1	5.0
25 A00-1395	5.7	6.2	5.1	3.7
26 103-585	5.6	5.8	5.5	4.7
27 KH3343	5.6	5.6	5.7	7.0
28 K9-92	5.6	5.3	6.0	4.3
29 A06-33	5.6	6.2	5.0	4.3
30 A06-19	5.6	6.0	5.2	4.0
31 K8-75NO	5.6	5.1	6.0	4.0
32 Futurity	5.5	6.0	5.1	3.7
33 A05-322	5.5	6.2	4.9	3.0
34 A03-3	5.5	5.4	5.6	6.7
35 A06-8	5.5	5.8	5.2	4.7

(Continued)

Table 7. Kentucky bluegrass shaded turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² 2011
	2010- 2011 Avg.	2010 Avg.	2011 Avg.	
36 A06-632	5.5	5.7	5.2	5.7
37 AKB042	5.4	5.6	5.3	5.0
38 A05-316	5.4	5.5	5.3	6.7
39 K9-87	5.4	5.5	5.3	6.0
40 Rhapsody	5.4	5.9	4.9	4.7
41 A99-523	5.4	6.1	4.7	2.0
42 A04-1271	5.3	5.6	5.1	6.3
43 T7-7	5.3	5.9	4.8	4.7
44 H03-556	5.2	5.4	5.1	7.7
45 A98-363	5.2	6.1	4.3	3.3
46 K8-76NO	5.2	4.6	5.8	5.0
47 A04-38	5.2	5.5	4.9	4.7
48 A03-3606-8	5.2	5.5	4.9	5.0
49 America	5.2	5.6	4.7	3.7
50 K4-15	5.1	5.7	4.5	5.3
51 AKB262	5.0	5.9	4.1	2.7
52 A04-1417	5.0	4.7	5.2	3.0
53 Zinfandel	5.0	5.3	4.7	4.3
54 AKB049	4.9	4.6	5.2	4.7
55 KH8529	4.8	5.0	4.7	5.3
56 102-158	4.8	4.8	4.8	4.0
57 A05-354	4.8	4.7	4.9	4.0
58 A05-297	4.8	4.8	4.8	3.7
59 A09-232	4.8	4.8	4.7	3.7
60 A98-210	4.8	5.3	4.3	5.3
61 A05-347	4.8	5.2	4.3	3.7
62 MSP 3898	4.7	5.5	3.9	4.0
63 Volt	4.7	4.8	4.6	6.3
64 A04-74	4.7	4.5	4.9	3.0
65 A05-894	4.6	5.1	4.1	6.7
66 A09-259	4.6	5.2	4.0	4.0
67 A09-257	4.6	4.3	4.9	4.0
68 A05-323	4.6	4.5	4.6	3.7
69 K8-64	4.6	4.7	4.4	2.7
70 A09-231	4.5	4.7	4.3	3.7

(Continued)

Table 7. Kentucky bluegrass shaded turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² 2011
	2010- 2011 Avg.	2010 Avg.	2011 Avg.	
71 A07-393	4.5	4.3	4.7	5.0
72 Columbus	4.5	4.6	4.3	7.0
73 A06-2	4.4	4.6	4.2	3.3
74 Yankee	4.4	4.0	4.8	5.0
75 A09-260	4.4	4.7	4.1	4.0
76 Shamrock	4.4	4.6	4.2	6.7
77 A98-344	4.4	4.6	4.2	3.7
78 Ridgeline	4.4	4.7	4.0	4.7
79 KenBlue	4.4	4.7	4.0	8.3
80 AKB345	4.3	4.3	4.3	2.7
81 K9-86	4.3	4.2	4.4	3.7
82 A05-321	4.3	3.8	4.8	3.7
83 1G4-66	4.3	4.0	4.5	5.0
84 AKB141864	4.2	4.8	3.6	5.3
85 Sombrero	4.2	3.9	4.5	5.3
86 A03TB-677	4.2	4.4	4.0	5.7
87 K7-28	4.2	4.3	4.1	2.3
88 AKB186	4.2	4.5	3.8	4.0
89 AKB355	4.2	3.5	4.8	4.0
90 MP07	4.1	4.4	3.8	6.7
91 A05-314	4.0	4.4	3.6	4.3
92 AKB264	3.9	4.2	3.6	2.7
93 Arrow	3.8	4.0	3.6	3.7
94 PP-34736	3.8	3.3	4.3	3.0
95 AKB363	3.8	2.9	4.7	5.7
96 A00-2882	3.8	4.0	3.5	4.0
97 Touchdown	3.7	3.6	3.8	6.3
98 A09-250	3.6	3.7	3.6	5.3
99 Bordeaux	3.5	3.7	3.3	3.0
100 Baron	3.4	2.9	3.9	3.7
101 Arrowhead	3.4	3.2	3.6	4.7
102 Mallard	3.4	3.4	3.4	5.3
103 AKB1010	3.4	3.7	3.0	3.7
104 A94MH-94	3.3	3.8	2.9	3.7
105 TD08-4	3.3	3.3	3.4	4.7

(Continued)

Table 7. Kentucky bluegrass shaded turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² 2011
	2010-2011 Avg.	2010 Avg.	2011 Avg.	
106 A05-350	3.2	3.3	3.2	4.7
107 AKB426	3.2	3.1	3.4	4.7
108 AKB360	3.2	2.5	3.9	4.7
109 OF-5000	3.2	2.8	3.5	5.0
110 AKB953	3.1	2.8	3.4	3.7
111 AKB1012	3.1	2.9	3.3	4.0
112 AKB047	3.0	2.3	3.8	3.3
113 AKB1565	3.0	3.2	2.8	4.7
114 Orfeo	3.0	2.9	3.0	5.7
115 AKB510	2.9	2.5	3.4	4.0
116 Rhythm	2.9	2.3	3.5	3.7
117 Midnight	2.6	2.1	3.1	4.0
118 AKB1543	2.6	2.8	2.3	4.7
119 A03TB-938	2.5	2.1	2.8	4.0
120 AKB1661	2.2	1.9	2.5	4.0
LSD at 5% =	1.0	1.1	1.2	1.7

¹9 = best turf quality

²9 = earliest spring green-up

Table 8. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2009 at Adelphia, NJ. (Includes all entries in the Cooperative Turfgrass Breeders Test.)

Cultivar or Selection	-----Turf Quality ¹ -----			Wear ² 2011 Avg.	Wear Recovery ³ 2011 Avg.	Winter Color ⁴ March 2011	Spring Green-up ⁵ April 2011
	2010- 2011 Avg.	2010 Avg.	2011 Avg.				
1 A03-3	6.8	7.0	6.5	5.0	6.8	6.3	6.7
2 Prosperity	6.5	6.5	6.5	7.2	7.0	5.3	5.3
3 Midnight	6.5	6.5	6.5	6.5	6.2	3.3	2.7
4 Rhythm	6.4	6.2	6.7	5.7	5.3	3.7	3.0
5 AKB434	6.4	6.2	6.6	5.7	5.2	4.7	4.3
6 AKB510	6.4	6.0	6.7	6.0	6.2	3.3	3.0
7 103-585	6.3	6.4	6.1	5.3	5.5	4.3	5.0
8 A98-363	6.3	6.3	6.2	5.0	6.8	4.7	5.7
9 AKB047	6.3	6.3	6.3	5.0	4.8	3.3	3.0
10 A03-3606-8	6.3	6.5	6.0	5.2	7.5	5.7	6.3
11 Bewitched	6.2	6.1	6.3	6.5	6.0	3.0	3.3
12 1A4-311	6.1	6.0	6.2	6.8	7.3	4.0	4.0
13 A04-1488	6.0	6.1	5.9	5.2	5.8	2.7	3.0
14 A98-344	6.0	6.2	5.7	4.3	4.5	5.0	4.7
15 A00-1395	6.0	6.2	5.7	3.8	5.7	3.0	4.0
16 A06-8	6.0	6.3	5.7	4.2	2.8	4.7	6.0
17 K9-105D	6.0	6.0	5.9	5.7	5.3	4.0	4.7
18 AKB355	6.0	5.7	6.2	4.5	5.2	5.0	4.7
19 A05-347	5.9	6.2	5.6	4.2	2.8	5.0	4.0
20 K4-3	5.9	6.0	5.8	4.3	6.3	4.7	6.3
21 A94MH-94	5.9	6.0	5.8	6.7	7.0	3.7	3.3
22 Rhapsody	5.9	5.8	5.9	4.8	5.2	4.7	5.7
23 A06-33	5.9	6.1	5.6	4.7	5.0	6.3	6.3
24 A05-322	5.8	6.1	5.6	3.8	5.0	3.0	3.3
25 A04-38	5.8	5.6	6.0	6.2	5.8	4.3	5.0

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(Continued)

Table 8. Kentucky bluegrass turf trial, 2009 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----			Wear ² 2011 Avg.	Wear Recovery ³ 2011 Avg.	Winter Color ⁴ March 2011	Spring Green-up ⁵ April 2011
		2010- 2011 Avg.	2010 Avg.	2011 Avg.				
26	A03TB-938	5.8	5.4	6.1	4.8	6.5	2.7	4.0
27	A96-1338	5.8	5.4	6.1	6.3	7.7	4.3	8.0
28	A06-19	5.7	6.3	5.2	4.3	2.0	6.0	5.0
29	Diva	5.7	6.0	5.4	4.2	3.2	3.0	3.3
30	AKB141864	5.7	5.7	5.7	5.8	6.5	5.7	6.7
31	K4-7	5.6	5.6	5.7	4.0	4.8	4.7	5.0
32	K9-90	5.6	5.9	5.3	5.3	4.5	3.7	3.3
33	BlueNote	5.6	5.6	5.6	5.0	4.7	4.0	5.7
34	A04-383	5.6	5.5	5.7	7.5	8.2	4.0	6.7
35	A03-351	5.6	5.7	5.6	4.3	5.2	3.7	3.3
36	103-87	5.6	5.8	5.4	2.7	4.0	5.0	6.7
37	PP-34736	5.6	5.9	5.3	5.8	3.2	4.3	4.0
38	103-651	5.6	5.6	5.5	5.0	5.5	3.3	3.7
39	A00-2882	5.6	5.7	5.4	5.5	5.2	6.3	5.0
40	America	5.6	5.8	5.3	4.2	5.8	2.7	3.3
41	K7-28	5.5	5.4	5.6	4.8	5.0	4.3	4.0
42	K4-15	5.5	5.9	5.1	3.7	3.5	3.3	4.3
43	A99-523	5.5	5.6	5.4	4.5	6.0	3.0	3.3
44	A05-316	5.5	5.2	5.7	5.2	5.3	4.3	5.0
45	KH8529	5.5	5.9	5.0	3.8	4.0	4.3	5.7
46	Yankee	5.5	5.5	5.4	5.0	5.0	4.3	4.7
47	A04-1417	5.4	5.4	5.4	5.7	6.0	3.0	3.0
48	A05-894	5.4	5.4	5.4	5.8	5.5	6.3	6.3
49	A98-210	5.4	5.3	5.4	4.5	4.0	6.3	5.7
50	A05-314	5.4	5.5	5.2	4.3	3.2	6.7	5.0

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(Continued)

Table 8. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Wear ² 2011 Avg.	Wear Recovery ³ 2011 Avg.	Winter Color ⁴ March 2011	Spring Green-up ⁵ April 2011
	2010- 2011 Avg.	2010 Avg.	2011 Avg.				
51 Arrowhead	5.4	5.0	5.8	5.8	6.5	3.5	5.0
52 K9-82	5.3	5.1	5.5	4.7	7.0	5.0	5.3
53 104-59	5.3	5.3	5.3	4.5	7.3	4.7	5.3
54 K9-100	5.3	5.2	5.4	6.3	6.5	4.0	4.3
55 A05-201	5.3	5.2	5.4	5.2	5.7	5.7	6.7
56 AKB345	5.3	5.6	5.0	3.2	3.2	3.0	4.3
57 Futurity	5.3	5.6	4.9	4.3	4.8	3.3	4.0
58 A04-1271	5.2	5.4	4.9	6.3	8.7	3.7	4.3
59 AKB049	5.2	5.2	5.1	4.8	4.7	5.3	5.0
60 A05-354	5.1	5.3	4.9	4.8	5.3	3.7	3.7
61 A04-74	5.1	4.8	5.4	4.2	6.0	3.7	3.3
62 A05-321	5.1	5.3	5.0	6.5	6.5	4.7	4.3
63 MSP 3898	5.1	5.5	4.8	4.8	4.2	6.0	5.7
64 K8-76NO	5.1	5.1	5.1	6.2	7.5	2.7	4.0
65 A03TB-677	5.1	5.1	5.2	4.8	6.3	7.3	7.7
66 1G4-66	5.1	5.2	5.0	3.5	3.5	5.3	5.0
67 T7-7	5.1	5.4	4.8	4.7	7.0	2.3	5.0
68 Sombrero	5.1	4.9	5.2	4.5	6.5	5.3	5.7
69 AKB262	5.1	5.9	4.3	3.0	4.3	5.3	3.7
70 MP07	5.1	4.9	5.2	3.5	4.7	5.0	6.7
71 A06-632	5.1	5.0	5.1	5.2	5.0	4.3	4.7
72 Mallard	5.0	5.3	4.8	3.3	3.2	4.7	3.7
73 AKB1010	5.0	5.0	5.0	5.0	5.3	3.0	3.3
74 A05-297	5.0	5.5	4.5	2.8	4.0	3.3	2.7
75 AKB426	5.0	4.7	5.3	2.7	1.8	7.0	5.7

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(Continued)

Table 8. Kentucky bluegrass turf trial, 2009 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----			Wear ² 2011 Avg.	Wear Recovery ³ 2011 Avg.	Winter Color ⁴ March 2011	Spring Green-up ⁵ April 2011
		2010- 2011 Avg.	2010 Avg.	2011 Avg.				
76	KH3343	5.0	4.7	5.2	4.3	6.2	3.0	5.3
77	K9-92	4.9	5.2	4.7	4.3	3.7	4.0	5.0
78	A06-2	4.9	5.1	4.7	4.3	4.7	4.3	4.0
79	AKB042	4.9	5.2	4.6	5.3	5.5	3.7	4.7
80	Volt	4.9	4.8	4.9	3.8	3.4	5.3	5.8
81	A05-323	4.8	5.0	4.5	3.5	5.7	3.3	3.7
82	Shamrock	4.8	5.0	4.6	4.7	3.5	5.7	6.0
83	Touchdown	4.8	4.5	5.0	4.5	6.2	7.0	7.0
84	AKB1565	4.7	5.2	4.3	2.7	2.5	4.3	4.7
85	AKB1661	4.7	4.6	4.9	4.5	4.5	3.0	4.0
86	Baron	4.7	4.9	4.5	4.5	4.7	3.0	3.7
87	K9-99	4.7	5.2	4.2	4.0	3.5	4.7	4.7
88	Mozart 1	4.7	4.8	4.6	5.2	4.5	5.7	5.0
89	AKB186	4.7	5.0	4.4	5.0	6.8	5.0	5.0
90	102-158	4.7	4.8	4.6	4.3	5.7	3.7	3.7
91	AKB953	4.7	5.0	4.3	3.8	4.2	5.7	5.0
92	K9-87	4.7	4.6	4.7	2.7	4.5	5.0	6.0
93	AKB360	4.6	4.8	4.3	4.0	4.3	3.3	4.0
94	K8-75NO	4.6	4.8	4.3	4.7	3.5	4.3	5.0
95	A07-393	4.5	4.8	4.2	3.7	3.3	3.7	3.7
96	K7-29	4.5	5.0	4.0	3.7	2.5	4.0	4.0
97	AKB363	4.5	4.6	4.4	4.8	5.0	4.7	5.7
98	AKB264	4.4	4.7	4.0	3.3	3.8	4.7	3.7
99	Ridgeline	4.3	4.4	4.2	3.2	3.7	4.3	4.7
100	Arrow	4.3	4.1	4.6	4.2	6.2	5.0	4.0

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(Continued)

Table 8. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Wear ² 2011 Avg.	Wear Recovery ³ 2011 Avg.	Winter Color ⁴ March 2011	Spring Green-up ⁵ April 2011
	2010- 2011 Avg.	2010 Avg.	2011 Avg.				
101 K9-86	4.3	5.2	3.4	2.2	1.0	4.3	4.3
102 K8-64	4.3	5.0	3.5	2.0	1.2	5.0	4.3
103 OF-5000	4.3	4.2	4.3	3.0	4.7	4.0	3.0
104 A05-350	4.2	4.7	3.8	3.0	4.5	5.3	4.0
105 AKB1012	4.2	4.6	3.8	4.0	3.3	3.0	3.7
106 KenBlue	4.1	3.9	4.2	5.5	7.0	5.7	9.0
107 TD08-4	3.9	3.9	3.9	4.5	4.0	4.7	4.3
108 Orfeo	3.8	3.4	4.1	3.3	5.5	4.3	3.7
109 AKB1543	3.7	3.5	3.9	3.2	4.3	6.7	5.3
LSD at 5% =	0.6	0.7	0.7	1.3	1.4	1.2	1.1

¹9 = best turf quality
²9 = least wear damage
³9 = best recovery from wear stress
⁴9 = darkest green winter color
⁵9 = earliest spring green-up

Table 9. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2010 at Adelphia, NJ.

Cultivar or Selection	Turf Quality ¹ 2011 Avg.	Establishment ² Nov. 2010	Leaf Spot ³ June 2011
1 Award	7.4	7.7	7.7
2 Midnight	7.1	7.3	8.0
3 NuDestiny	7.1	7.3	7.7
4 A05TB-386	7.0	6.7	6.7
5 Perfection	6.9	7.7	7.0
6 Bluechip Plus	6.9	7.7	6.3
7 PST-103-585	6.9	7.0	8.0
8 SCKB1	6.9	7.0	8.3
9 Freedom III	6.9	7.0	7.7
10 Liberator	6.9	6.3	8.0
11 NuChicago	6.9	8.3	7.0
12 PST-K9-93	6.8	6.0	8.7
13 PST-T10-17	6.8	7.3	6.0
14 Solar Eclipse	6.8	8.0	8.0
15 RAD-138	6.8	7.0	7.3
16 A00-1400	6.8	7.7	7.3
17 Quantum Leap	6.8	7.0	8.0
18 A03-3606-8	6.7	7.0	6.7
19 NA 3713	6.7	7.7	9.0
20 Beyond	6.7	7.0	7.0
21 NuGlade	6.7	7.7	7.3
22 A99-2328	6.7	6.7	8.0
23 Everest	6.7	7.3	7.3
24 Odyssey	6.6	7.3	8.0
25 Alexa II	6.6	7.7	8.3
26 Emblem	6.5	7.3	8.3
27 NuBlue	6.5	7.0	7.0
28 A04-340	6.5	6.7	8.7
29 A04-46	6.5	6.7	8.3
30 Sudden Impact	6.4	7.0	8.0
31 Right	6.4	6.0	6.7
32 A98-708	6.4	7.7	5.3
33 A99-2758	6.3	6.7	6.7
34 BlueNote	6.3	6.0	6.7
35 Arcadia	6.3	6.7	8.0

(Continued)

Table 9. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹ 2011 Avg.	Establishment ² Nov. 2010	Leaf Spot ³ June 2011
36 Gladstone	6.3	5.7	5.7
37 Hampton	6.2	7.7	7.3
38 A03-3	6.2	7.3	6.7
39 Rush	6.2	6.3	7.7
40 Ginney	6.2	7.3	7.7
41 PST-07-261	6.2	7.0	6.0
42 PST-K4-7	6.2	6.3	6.0
43 A05-361	6.1	6.0	7.3
44 PST-K10-107	6.1	6.7	8.0
45 Yankee	6.1	7.3	7.3
46 AKB 449	6.1	8.0	7.0
47 A10-1	6.0	6.3	6.7
48 PST-K9-91	6.0	5.7	7.7
49 PST-T10-23	6.0	7.3	6.3
50 Jumpstart	6.0	7.0	5.0
51 SCKB4	6.0	7.0	7.3
52 A04-342	6.0	6.7	7.7
53 A10-245	6.0	7.0	7.3
54 A10-249	6.0	7.7	7.7
55 A98-363	6.0	7.0	5.7
56 Prosperity	6.0	6.3	7.3
57 PST-K9-90	6.0	6.0	6.7
58 PST-K4-3	6.0	7.0	7.0
59 Everglade	6.0	6.7	7.3
60 A03TB-417	6.0	7.3	6.3
61 A06-8	6.0	5.7	6.7
62 NAA00-1254	6.0	6.0	7.0
63 A10-239	6.0	6.7	7.3
64 A98-344	6.0	6.7	5.7
65 PST-K10-106D	5.9	7.3	5.0
66 TD 4 JP08	5.9	7.0	4.7
67 PST-T10-20	5.9	7.7	6.0
68 4-Season	5.9	6.3	7.7
69 Mystere	5.9	7.7	6.0
70 Shiraz	5.9	7.7	7.0

(Continued)

Table 9. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹ 2011 Avg.	Establishment ² Nov. 2010	Leaf Spot ³ June 2011
71 A04TB-212	5.9	7.3	5.3
72 A04-69	5.9	7.7	6.0
73 Rugby II	5.8	6.7	7.3
74 A10-242	5.8	6.7	6.7
75 P-105	5.8	6.3	8.3
76 A04-74	5.8	6.7	7.3
77 PST-K7-24	5.8	6.3	6.0
78 PST-K10-114	5.8	7.7	5.7
79 PST-T10-21	5.8	7.7	5.3
80 A10-280	5.8	7.3	7.0
81 Bd99-2103	5.8	6.3	6.0
82 TD 2 JP08	5.8	8.0	5.7
83 A05-360	5.8	7.3	5.3
84 RAD-130	5.7	5.7	7.3
85 A03-37	5.7	6.7	7.3
86 PST-109-996	5.7	7.7	5.7
87 Argos	5.7	6.3	6.3
88 RAD-66	5.7	7.0	6.3
89 PST-T10-22	5.7	7.3	5.3
90 STR 2485	5.7	7.7	5.7
91 TD 9 JP08	5.7	7.7	5.0
92 A05-316	5.7	6.0	6.3
93 Bewitched	5.7	6.7	7.7
94 A99-3110	5.7	7.0	7.7
95 A10-244	5.7	6.0	6.3
96 A01-1106	5.6	7.7	8.0
97 A04TB-258	5.6	6.7	6.0
98 Touche	5.6	8.3	6.3
99 A06-19	5.6	6.0	6.3
100 PST-07S-95	5.6	7.0	7.0
101 PST-K10-111	5.6	6.3	8.0
102 PST-T10-18	5.6	7.3	6.0
103 SR 2284	5.6	7.0	7.0
104 Ginney II	5.6	7.7	7.0
105 A04-338	5.6	5.0	8.0

(Continued)

Table 9. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹ 2011 Avg.	Establishment ² Nov. 2010	Leaf Spot ³ June 2011
106 A94MH-94	5.6	7.3	6.3
107 PST-K7-28	5.5	7.0	4.0
108 A93-201	5.5	7.0	5.3
109 A96-1338	5.5	8.7	6.3
110 A06-40	5.5	7.3	6.0
111 RAD-70	5.5	6.7	7.3
112 A10-241	5.5	7.0	7.0
113 A98-3320	5.5	8.3	6.3
114 Moonlight	5.5	6.7	8.0
115 A99-3124	5.5	7.0	6.7
116 A10-238	5.5	5.7	7.0
117 A10-246	5.5	6.0	7.0
118 H99-1551	5.5	7.3	7.3
119 A96-1353	5.5	6.7	6.7
120 Aviator	5.4	6.3	5.0
121 A08-3	5.4	7.0	6.7
122 A01-245	5.4	7.7	6.3
123 A99-2026	5.4	6.3	8.0
124 A99-345	5.4	6.7	7.0
125 PST-K9-100	5.4	6.3	5.7
126 PST-K10-110	5.4	5.3	7.0
127 A04-66	5.4	7.3	5.7
128 A99-2771	5.4	7.3	5.3
129 A05-858	5.4	8.0	3.3
130 A05-292	5.4	5.3	6.3
131 TD 5 JP08	5.4	7.3	4.3
132 A06-26	5.4	6.7	7.3
133 A00-4199	5.4	7.0	5.7
134 A05-303	5.4	6.0	5.7
135 Arrowhead	5.3	6.7	6.3
136 #3725	5.3	5.7	7.3
137 H99-1653	5.3	7.0	6.0
138 A03-38	5.3	6.0	6.7
139 A04-36	5.3	6.3	6.3
140 A07-1233	5.3	7.0	6.0

(Continued)

Table 9. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹ 2011 Avg.	Establishment ² Nov. 2010	Leaf Spot ³ June 2011
141 A09-232	5.3	6.3	6.7
142 A06-33	5.3	6.3	7.3
143 Moonshine	5.3	6.3	6.3
144 Sonoma	5.3	7.3	6.7
145 A10-248	5.3	6.3	6.3
146 PST-104-208	5.3	7.0	6.0
147 TD 7 JP08	5.3	6.7	5.0
148 Ridgeline	5.3	6.7	6.0
149 A10-251	5.3	7.3	5.7
150 A04-1315	5.3	7.0	8.3
151 A05-324	5.2	6.3	8.0
152 RAD-KCC4L	5.2	6.7	4.0
153 A04-38	5.2	7.3	5.3
154 A10-237	5.2	7.0	7.0
155 A10-247	5.2	6.0	6.3
156 Lakeshore	5.2	6.0	6.0
157 A05-853	5.2	6.0	6.0
158 A10-5	5.2	5.7	6.3
159 PST-T7-7	5.2	7.0	5.7
160 Shamrock	5.2	7.3	5.7
161 A05-201	5.2	7.0	6.3
162 Shannon	5.2	7.3	5.7
163 A06-11	5.2	6.3	5.7
164 A05-315	5.2	6.3	5.7
165 A06-998	5.2	6.7	4.3
166 A04-1271	5.2	6.7	5.7
167 SCKB2	5.2	7.0	6.0
168 SR 2109	5.2	7.7	6.7
169 Concerto	5.2	6.0	5.7
170 A06-47	5.2	5.3	7.0
171 A10-252	5.2	6.0	7.0
172 A98-3369	5.2	7.3	7.0
173 RAD-7PH6	5.1	7.7	5.7
174 A08-377	5.1	7.0	6.7
175 A10-240	5.1	7.0	7.3

(Continued)

Table 9. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹ 2011 Avg.	Establishment ² Nov. 2010	Leaf Spot ³ June 2011
176 A05-825	5.1	6.3	4.0
177 A06-20	5.1	6.0	7.3
178 A05-1419	5.1	5.7	4.3
179 Volt	5.1	6.3	5.0
180 PST-K9-99	5.1	6.3	7.3
181 PST-K9-101	5.1	6.0	5.7
182 Gaelic	5.1	5.3	6.3
183 A05-999	5.1	7.0	5.0
184 A04-35	5.1	6.0	6.3
185 A07-378	5.1	8.3	4.3
186 PST-K9-89	5.1	6.0	7.3
187 Kingfisher	5.1	6.3	5.3
188 A08-6	5.1	6.7	6.3
189 A04TB-327	5.1	5.3	7.3
190 PST-K7-29	5.0	6.0	7.3
191 Starburst	5.0	4.7	4.7
192 Alpine	5.0	7.3	7.3
193 Armada	5.0	7.0	6.0
194 A03TB-251	5.0	7.7	5.3
195 A05-312	5.0	7.0	6.0
196 PST-K10-115D	5.0	6.3	6.0
197 PSG 2677	5.0	6.3	4.3
198 STR 2959	5.0	7.0	5.3
199 MP07	5.0	6.7	5.7
200 Brooklawn	5.0	5.7	5.7
201 Diva	5.0	6.7	6.0
202 RAD-502	5.0	8.0	4.3
203 A99-2231	5.0	5.7	6.3
204 A04-40	5.0	7.0	6.3
205 A06-1033	5.0	7.7	3.7
206 SCKB3	5.0	7.0	6.3
207 STR 2509	5.0	4.7	7.0
208 Monte Carlo	5.0	6.3	6.7
209 A07-5	5.0	6.0	7.0
210 A06-1007	5.0	6.3	5.0

(Continued)

Table 9. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹ 2011 Avg.	Establishment ² Nov. 2010	Leaf Spot ³ June 2011
211 PST-K10-112	4.9	6.7	6.0
212 Abbey	4.9	7.3	7.0
213 Bonaire	4.9	5.3	5.7
214 A08-2	4.9	6.3	7.7
215 H01-351	4.9	6.3	7.3
216 A05TB-275	4.9	6.0	6.3
217 A99-523	4.9	6.3	6.3
218 Blueberry	4.9	5.3	7.7
219 Bordeaux	4.9	7.7	5.3
220 Blackberry	4.9	6.7	6.3
221 Limousine	4.9	6.0	6.3
222 RAD-121	4.9	7.7	5.3
223 RAD-889	4.8	5.7	7.3
224 RSP	4.8	7.3	6.3
225 PST-T10-25	4.8	5.0	5.0
226 STR 2278	4.8	4.7	6.3
227 Cheetah	4.8	7.0	3.3
228 STR 2553	4.8	5.7	5.7
229 Touchdown	4.8	5.3	4.7
230 Champagne	4.8	7.7	6.0
231 A01-938	4.8	7.7	3.0
232 A06-60	4.8	4.0	6.0
233 PST-A07-393	4.8	7.0	6.7
234 5-09 KB	4.8	7.7	7.3
235 Bedazzled	4.8	6.7	6.0
236 A04TB-453	4.8	5.7	4.7
237 A06-7	4.8	5.7	7.0
238 A10-3	4.7	7.7	5.0
239 A06-4	4.7	6.0	6.3
240 Zinfandel	4.7	7.7	5.0
241 A07-377	4.7	4.3	7.0
242 A00-247	4.7	5.7	6.0
243 A05-342	4.7	4.3	5.7
244 RAD-858	4.7	6.7	6.0
245 A96-468	4.7	6.0	6.7

(Continued)

Table 9. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹ 2011 Avg.	Establishment ² Nov. 2010	Leaf Spot ³ June 2011
246 A04-1400	4.7	5.7	6.7
247 A03-6	4.7	6.3	5.7
248 PST-K8-76NO	4.7	6.3	7.3
249 America	4.7	7.0	6.3
250 A98-1001	4.7	6.7	5.7
251 A05-930	4.7	5.0	5.7
252 Royce	4.6	5.7	6.3
253 Mallard	4.6	7.3	5.7
254 A05-330	4.6	5.3	6.0
255 A06-34	4.6	4.7	5.7
256 PST-101-362	4.6	5.3	7.3
257 H01-229	4.6	4.0	4.7
258 A04-1569	4.6	5.0	7.0
259 Bandera	4.6	6.0	6.3
260 Corsair	4.6	5.3	7.0
261 A98-210	4.6	6.3	7.3
262 A99-320	4.6	5.0	4.7
263 PST-K8-80NL	4.5	7.3	5.7
264 PST-K10-108S	4.5	6.7	4.3
265 Ulysses	4.5	6.7	5.0
266 A05-322	4.5	6.0	6.3
267 A10-4	4.5	5.0	6.7
268 A06-14	4.5	5.3	7.0
269 PST-T10-28 NO	4.5	7.0	5.7
270 STR 2553	4.5	4.7	6.0
271 Rubicon	4.5	4.0	4.7
272 PST-1G4-66	4.4	5.0	6.7
273 A10-2	4.4	5.0	6.3
274 A06-3	4.4	5.7	5.3
275 A04-1260	4.4	7.0	3.3
276 A01-881	4.4	7.3	4.7
277 PST-K9-103	4.4	5.3	5.3
278 A05-344	4.4	6.0	5.7
279 STR 2451	4.3	4.3	6.0
280 H01-492	4.3	8.0	3.3

(Continued)

Table 9. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹ 2011 Avg.	Establishment ² Nov. 2010	Leaf Spot ³ June 2011
281 A08-338	4.3	4.7	5.3
282 A09-231	4.3	5.3	7.3
283 A04-387	4.2	8.7	4.3
284 Orfeo	4.2	5.7	3.7
285 Voyager II	4.2	4.3	5.7
286 PST-T10-27	4.2	4.3	6.0
287 SR 2100	4.2	7.0	6.3
288 RAD-YOS128	4.1	8.0	2.3
289 PST-T9-16	4.1	5.7	4.3
290 A04-1377	4.1	5.3	5.7
291 PST-K8-81NO	4.0	6.7	6.3
292 STR 2332	4.0	4.3	5.7
293 PST-K10-109S	4.0	5.0	6.7
294 Guinness	4.0	6.3	5.0
295 A04-1239	3.9	8.3	3.3
296 RAD-941	3.8	7.3	4.3
297 TD 08-4	3.6	6.7	4.0
298 NA 3733	3.5	4.0	6.7
299 RAD-51	3.4	4.3	5.0
300 RAD-955	3.4	3.0	6.7
301 Spitfire	3.3	4.3	6.7
302 RAD-902	3.3	4.0	6.0
303 STR 23064	2.9	2.3	4.7
304 Camas	2.3	8.7	1.3
305 Action	2.2	8.0	1.3
306 Boutique	1.1	1.0	3.7
LSD at 5% =	0.8	1.2	1.2

¹9 = best turf quality

²9 = best establishment

³9 = least disease

Table 10. Performance of Kentucky bluegrass cultivars and selections in a low maintenance trial seeded in September 2010 at Adelphia, NJ.

Cultivar or Selection	Turf Quality ¹ 2011	Turf Establishment ² Oct. 2010	Stem Rust ³ Oct. 2010	Stem Rust ³ Oct. 2011	Seed Heads ⁴ May 2011	Drought Tolerance ⁵ June 2011
1 H99-1653	7.3	7.3	6.3	8.3	8.7	7.7
2 T10-23	7.1	6.3	6.7	7.7	8.3	7.0
3 TD 2 JP08	7.0	6.7	5.0	7.3	8.7	8.7
4 Touche	6.9	8.3	7.3	8.0	8.3	7.7
5 RAD-7PH6	6.9	7.7	6.7	7.7	8.7	7.7
6 5734-11	6.7	7.7	6.3	7.7	8.0	7.0
7 A96-1338	6.7	7.7	6.0	8.0	8.7	7.0
8 A03-3606-8	6.6	8.7	5.7	6.7	8.3	6.0
9 T10-18	6.6	7.3	6.0	7.7	9.0	7.7
10 NA 3713	6.6	7.3	6.3	7.3	6.7	7.0
11 STR 2485	6.5	7.7	6.3	6.7	7.7	7.3
12 A05-360	6.5	7.3	6.0	8.7	8.3	6.0
13 SCKB 2	6.5	9.0	6.3	7.3	8.3	7.3
14 Mystere	6.4	8.7	5.0	7.0	7.3	6.3
15 A03-3	6.4	8.7	6.0	6.0	8.3	6.0
16 A10-1	6.4	6.7	7.0	7.3	2.7	6.0
17 T10-20	6.4	6.0	6.0	8.0	8.3	7.0
18 SR 2109	6.3	9.0	8.0	7.7	7.7	6.7
19 BlueNote	6.3	7.0	6.7	7.0	7.7	7.0
20 SCKB 4	6.2	8.7	5.0	7.0	7.0	6.3
21 Hampton	6.2	8.3	4.7	6.3	8.7	6.0
22 PST-K10-107	6.2	6.3	6.3	7.3	8.7	6.7
23 T10-28 NO	6.2	7.3	7.3	7.7	7.3	4.3
24 RAD-138	6.2	8.0	7.7	6.7	8.7	6.7
25 A05-361	6.2	8.7	5.0	6.3	7.7	6.7
26 PSG 2677	6.1	9.0	6.3	6.7	8.0	5.0
27 BlueChip Plus	6.1	8.7	4.7	7.3	4.0	5.3
28 PST-T10-22	6.1	6.0	6.3	7.0	9.0	5.7
29 Midnight II	6.1	7.0	5.3	7.3	6.3	5.7
30 MP07	6.1	7.3	6.0	6.3	8.7	4.3
31 K4-3	6.1	8.3	5.7	6.7	7.0	5.3
32 Shiraz	6.0	9.0	6.0	6.7	6.0	6.3
33 Cabernet	6.0	7.7	4.7	6.3	8.0	5.7
34 PST-07-261	6.0	7.0	5.7	7.3	8.0	4.3
35 Nu Chicago	6.0	8.3	4.0	6.7	5.7	5.0

(Continued)

Table 10. Kentucky bluegrass low maintenance turf trial, 2010 (continued).

	Cultivar or Selection	Turf Quality ¹ 2011	Turf Establishment ² Oct. 2010	Stem Rust ³ Oct. 2010	Stem Rust ³ Oct. 2011	Seed Heads ⁴ May 2011	Drought Tolerance ⁵ June 2011
36	Odyssey	6.0	8.3	4.7	7.0	5.3	4.7
37	RAD-121	6.0	8.0	5.3	6.3	7.3	5.0
38	A03-38	6.0	8.7	4.7	6.0	8.7	6.0
39	Midnight	5.9	8.7	4.7	7.7	4.3	5.3
40	A05-361	5.9	8.3	5.3	6.3	7.7	6.7
41	Jump Start	5.9	8.3	5.7	7.0	8.3	5.0
42	A05-999	5.9	7.0	4.7	6.3	9.0	3.7
43	Arcadia	5.9	8.3	5.3	6.3	3.7	5.3
44	SCKB 1	5.9	8.0	5.3	6.7	7.0	5.7
45	A04-342	5.9	7.0	6.3	7.7	6.7	7.0
46	Zinfandel	5.8	8.3	4.7	7.0	5.7	5.0
47	RAD-858	5.8	7.0	6.0	6.3	7.3	7.0
48	Emblem	5.8	8.3	4.0	6.7	6.7	6.0
49	Shannon	5.8	9.0	5.7	6.7	8.3	5.7
50	Nuglade	5.8	8.3	4.3	7.0	5.0	5.7
51	A05-825	5.8	6.0	6.0	6.3	8.7	3.0
52	Everglade	5.7	8.7	4.0	6.3	4.7	4.7
53	Solar Eclipse	5.7	8.3	3.3	7.0	6.0	5.7
54	A04-340	5.7	7.7	5.7	7.3	6.3	6.3
55	AKB 449	5.7	8.7	5.3	6.0	6.3	5.7
56	A06-40	5.6	7.7	6.3	7.3	7.7	6.3
57	103-585	5.6	8.3	6.0	7.0	7.3	6.7
58	RAD-KCC4L	5.6	7.0	7.3	7.0	9.0	3.3
59	Quantum Leap	5.6	8.0	4.7	6.0	5.0	6.0
60	Right	5.6	8.0	4.3	7.7	6.7	5.3
61	Rubicon	5.6	7.7	5.3	5.7	8.3	3.7
62	Apline	5.5	8.3	4.7	6.0	8.0	6.3
63	PST-K10-106D	5.5	7.3	5.7	6.7	8.3	4.3
64	A99-2758	5.5	7.3	5.7	7.3	7.0	5.3
65	A04-66	5.5	8.3	4.7	8.0	8.0	5.0
66	5-09	5.5	7.7	6.7	6.7	7.7	7.0
67	Jump Start	5.5	9.0	6.3	6.0	8.3	5.0
68	Beyond	5.5	8.3	4.7	7.3	4.3	4.7
69	P-105	5.5	7.0	6.7	7.0	6.0	7.0
70	Bewitched	5.5	7.3	6.0	6.7	6.7	6.7

(Continued)

Table 10. Kentucky bluegrass low maintenance turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹ 2011	Turf Establishment ² Oct. 2010	Stem Rust ³ Oct. 2010	Stem Rust ³ Oct. 2011	Seed Heads ⁴ May 2011	Drought Tolerance ⁵ June 2011
71 PST-K10-115D	5.5	6.3	6.0	7.3	8.7	5.3
72 109-996	5.5	8.3	6.3	6.0	8.7	5.0
73 PST-T10-17	5.5	6.0	4.7	8.0	6.7	5.0
74 Volt	5.4	8.7	6.7	6.7	7.3	5.3
75 Right	5.4	7.0	5.3	7.3	8.7	4.0
76 RAD-66	5.4	7.7	5.0	7.3	8.0	6.0
77 A10-4	5.4	7.3	6.3	6.7	7.0	5.7
78 Abbey	5.4	9.0	4.0	6.0	7.3	4.7
79 PST-T10-21	5.4	7.7	6.3	5.7	8.3	5.3
80 PST-T10-25	5.4	5.7	7.7	6.7	7.3	2.7
81 Everest	5.4	8.7	4.0	7.3	5.0	5.0
82 RAD-502	5.4	7.0	6.3	7.3	7.7	5.7
83 A05-210	5.4	7.7	6.3	6.3	7.3	4.3
84 K4-7	5.4	7.3	5.3	7.7	3.3	4.3
85 Perfection	5.4	6.7	4.7	6.7	5.0	5.0
86 Alexa II	5.4	7.7	4.7	7.3	5.0	5.0
87 A04-38	5.4	7.0	5.3	7.0	7.3	5.7
88 A05-930	5.4	6.0	7.0	7.0	8.7	4.3
89 H01-938	5.4	6.0	7.7	6.3	9.0	3.7
90 T10-27	5.3	4.0	7.0	6.7	3.0	5.0
91 A06-11	5.3	6.0	6.3	7.3	5.3	5.0
92 A10-241	5.3	7.3	5.0	6.0	2.7	5.7
93 Argos	5.3	6.3	6.7	6.3	7.7	7.0
94 A04-1271	5.3	6.3	6.0	6.0	7.0	7.3
95 K10-112	5.3	5.0	6.7	7.0	8.0	4.7
96 Champagne	5.3	8.3	5.7	7.0	7.3	3.7
97 Rugby II	5.3	9.0	4.3	7.0	4.3	4.7
98 Diva	5.3	7.7	6.0	6.7	3.0	4.3
99 A98-1001	5.3	7.0	6.7	6.3	3.3	4.0
100 A08-3	5.3	6.7	7.3	6.3	6.7	6.7
101 K9-90	5.3	6.7	5.7	7.0	7.0	6.0
102 A08-2	5.3	6.0	7.3	6.7	4.0	6.7
103 Monte Carlo	5.2	8.0	5.0	6.3	5.3	5.7
104 Orfeo	5.2	5.7	6.3	5.3	8.0	5.3
105 Freedom III	5.2	7.0	3.7	7.7	6.0	3.7

(Continued)

Table 10. Kentucky bluegrass low maintenance turf trial, 2010 (continued).

	Cultivar or Selection	Turf Quality ¹ 2011	Turf Establishment ² Oct. 2010	Stem Rust ³ Oct. 2010	Stem Rust ³ Oct. 2011	Seed Heads ⁴ May 2011	Drought Tolerance ⁵ June 2011
106	RAD-Y0S128	5.2	8.0	6.3	7.0	9.0	2.7
107	Bandera	5.2	8.7	3.3	6.3	5.7	4.7
108	Mallard	5.2	9.0	5.0	6.0	7.7	5.7
109	SR 2100	5.1	7.7	5.3	5.3	6.3	5.0
110	Nu Blue	5.1	7.0	4.0	6.7	5.7	4.3
111	A99-3110	5.1	7.0	6.0	7.0	5.7	6.3
112	PST-K9-89	5.1	6.3	7.0	6.7	3.0	5.7
113	PST-K7-24	5.1	7.0	5.3	6.0	7.0	4.3
114	Starburst	5.1	6.0	5.0	6.0	8.3	5.3
115	Royce	5.1	6.3	5.3	5.3	2.7	4.7
116	Sonoma	5.1	8.7	4.7	6.0	4.0	6.0
117	Bonaire	5.1	7.7	5.3	6.7	7.3	6.0
118	A05-315	5.1	6.7	6.0	6.0	7.7	5.3
119	A06-08	5.0	5.7	6.3	6.7	6.3	6.0
120	PST-K10-114	5.0	7.0	5.7	7.0	6.0	5.3
121	PST-K9-93	5.0	7.3	3.7	7.7	8.0	6.7
122	PST-T7-7	5.0	8.0	5.0	6.7	6.7	5.0
123	A93-201	5.0	8.0	6.3	6.3	9.0	5.0
124	Ridgeline	5.0	8.0	6.0	6.0	4.3	5.3
125	RAD-70	5.0	6.0	5.3	7.3	8.0	5.3
126	RAD-130	5.0	6.7	6.7	7.0	7.3	4.7
127	Amanda	5.0	8.3	4.3	6.3	7.3	6.3
128	STR 2509	5.0	5.7	6.7	6.3	1.7	5.0
129	Nu Destiny	5.0	8.7	3.3	6.7	6.3	4.7
130	Blueberry	5.0	7.3	4.3	7.0	4.7	4.3
131	SR 2284	5.0	7.7	5.0	5.7	6.7	6.3
132	Liberator	5.0	7.7	4.0	7.0	6.0	5.0
133	RAD-941	4.9	7.0	6.0	6.3	8.7	4.3
134	PST-K10-108S	4.9	7.7	4.7	5.7	8.3	4.3
135	TD 9 JP08	4.9	6.7	7.7	7.0	9.0	5.0
136	07S-95	4.9	6.7	5.7	7.3	7.0	4.7
137	PST-1G4-66	4.9	7.3	4.3	5.7	8.0	6.3
138	Concerto	4.9	6.7	5.3	6.0	7.0	5.0
139	A98-210	4.9	6.7	5.7	6.0	5.0	6.3
140	STR 2278	4.8	5.3	6.0	6.3	2.3	3.7

(Continued)

Table 10. Kentucky bluegrass low maintenance turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹ 2011	Turf Establishment ² Oct. 2010	Stem Rust ³ Oct. 2010	Stem Rust ³ Oct. 2011	Seed Heads ⁴ May 2011	Drought Tolerance ⁵ June 2011
141 PST-K9-100	4.8	7.3	4.7	6.7	6.7	3.3
142 A99-2444	4.8	8.0	6.3	6.0	3.0	3.7
143 PST-K10-111	4.8	6.7	5.7	7.3	7.3	5.3
144 H01-492	4.8	9.0	6.0	6.7	9.0	2.0
145 Guinney	4.8	7.7	4.3	6.0	5.7	5.3
146 A10-3	4.8	7.7	5.3	6.3	7.3	4.0
147 8179 H04-528	4.8	6.7	5.3	6.3	6.3	6.3
148 A10-253	4.8	6.7	7.0	6.3	9.0	2.0
149 STR 2451	4.7	4.7	5.7	5.7	2.7	5.0
150 Bordeaux	4.7	8.3	4.0	6.7	6.3	5.3
151 Bedazzled	4.7	8.3	5.7	6.3	5.3	4.7
152 A07-377	4.7	4.7	7.3	7.0	6.0	6.3
153 H99-1551	4.7	6.7	4.3	7.0	4.3	4.3
154 Kingfisher	4.7	7.7	3.7	5.7	7.0	6.7
155 Prosperity	4.7	8.0	4.0	8.0	7.0	6.7
156 A06-47	4.7	5.0	6.3	7.7	7.3	7.0
157 TD 4 JP08	4.7	7.7	7.0	7.0	9.0	3.7
158 A05-316	4.7	7.3	5.7	7.0	7.7	5.3
159 SCKB 3	4.7	8.0	4.7	6.0	8.0	4.3
160 Sudden Impact	4.7	8.3	4.0	7.0	5.0	3.7
161 A05-324	4.6	8.3	3.7	6.7	8.0	8.0
162 A99-523	4.6	7.3	4.0	6.3	4.3	4.3
163 A10-244	4.6	6.3	6.0	7.0	6.0	5.3
164 TD 5 JP08	4.6	7.7	7.3	6.3	9.0	4.7
165 Gaelic	4.6	7.3	4.3	6.3	7.0	5.7
166 K9-99	4.6	7.3	5.0	6.3	7.0	6.0
167 Cheetah	4.6	8.7	5.7	6.3	8.3	3.7
168 Rush	4.6	7.0	4.0	6.0	5.0	4.7
169 RAD-889	4.6	5.0	5.0	6.7	7.0	5.7
170 A05-322	4.6	7.7	5.0	5.7	3.0	5.0
171 Yankee	4.5	7.3	3.3	7.0	8.0	6.3
172 A04-338	4.5	5.7	6.3	7.7	7.3	5.3
173 Guinness	4.5	7.3	5.0	6.3	7.7	5.0
174 PST-K7-28	4.4	6.3	4.3	7.0	6.7	5.0
175 PST-K9-103	4.4	5.3	5.0	7.0	5.7	5.3

(Continued)

Table 10. Kentucky bluegrass low maintenance turf trial, 2010 (continued).

	Cultivar or Selection	Turf Quality ¹ 2011	Turf Establishment ² Oct. 2010	Stem Rust ³ Oct. 2010	Stem Rust ³ Oct. 2011	Seed Heads ⁴ May 2011	Drought Tolerance ⁵ June 2011
176	PST-K9-101	4.4	5.7	5.0	7.0	6.7	5.0
177	Arrowhead	4.4	8.0	3.7	6.7	8.0	5.0
178	TD 7 JP08	4.4	6.7	6.3	6.7	9.0	4.0
179	Touchdown	4.4	6.7	6.0	5.7	9.0	3.3
180	TD 08-4	4.4	6.3	5.0	5.7	7.0	6.7
181	Spitfire	4.3	5.3	6.3	6.7	6.7	5.3
182	A06-14	4.3	6.0	5.7	5.7	6.7	6.3
183	104-208	4.3	5.0	4.3	6.3	7.0	5.7
184	A05-344	4.3	7.3	7.0	6.7	4.7	3.7
185	A05-344	4.3	6.7	6.3	6.7	5.3	3.3
186	America	4.3	7.7	4.0	5.0	4.0	5.0
187	Action	4.3	8.7	6.3	7.0	9.0	3.7
188	A99-2328	4.3	7.7	4.7	7.7	6.3	6.3
189	A10-237	4.3	7.7	3.7	7.7	4.7	5.7
190	Moonshine	4.2	8.0	4.0	6.0	7.3	5.0
191	Fielder	4.2	7.3	4.7	6.0	7.7	5.3
192	Ulysses	4.2	7.0	3.7	6.3	7.0	5.0
193	T9-16	4.2	6.7	4.0	6.0	2.3	3.0
194	STR 2332	4.1	5.0	6.7	4.7	1.3	4.3
195	PST-K10-110	4.1	5.3	4.7	6.0	6.3	4.3
196	Aviator	4.1	8.0	4.7	6.7	6.7	3.7
197	A06-34	4.1	4.0	6.7	5.3	6.3	4.3
198	Blackberry	4.1	7.0	4.7	6.0	6.0	4.3
199	A10-2	4.1	5.7	6.0	6.7	5.3	4.3
200	A06-19	4.1	5.3	6.0	7.0	5.7	6.0
201	RAD-955	4.0	3.7	7.7	6.7	6.7	5.0
202	4-Season	4.0	7.7	3.7	6.7	5.7	4.3
203	A10-252	4.0	6.0	4.7	7.7	6.0	6.7
204	Noble	3.9	7.7	4.0	6.7	2.0	4.3
205	A05-342	3.9	4.0	7.0	5.7	3.7	5.3
206	Camas	3.9	9.0	6.3	6.7	9.0	4.0
207	RAD-902	3.9	3.0	6.3	5.7	8.0	5.3
208	Moonlight	3.8	6.7	5.7	6.7	6.0	5.7
209	Limousine	3.8	7.3	3.3	6.3	7.0	4.3
210	PST-K9-91	3.8	6.0	4.7	6.7	6.3	4.7

(Continued)

Table 10. Kentucky bluegrass low maintenance turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹ 2011	Turf Establishment ² Oct. 2010	Stem Rust ³ Oct. 2010	Stem Rust ³ Oct. 2011	Seed Heads ⁴ May 2011	Drought Tolerance ⁵ June 2011
211 A06-3	3.7	6.0	6.0	5.3	5.0	4.3
212 A04-74	3.7	7.0	4.3	6.3	3.7	5.0
213 A04-38	3.6	4.0	6.7	6.0	6.3	4.7
214 PST-K10-109S	3.6	3.7	7.3	6.7	7.0	6.0
215 A06-4	3.5	4.7	6.0	5.7	6.7	5.0
216 STR 23064	3.3	2.3	7.0	5.3	6.3	5.0
217 Voyager II	3.3	4.7	6.0	5.7	5.0	4.0
218 NA 3733	3.3	3.0	6.7	7.3	6.0	4.0
219 Corsair	3.1	5.0	4.3	7.0	6.7	3.7
220 101-362	2.7	6.3	2.7	6.7	6.7	4.3
221 Boutique	2.4	3.0	6.0	7.0	6.3	4.7
222 RAD-51	2.0	4.3	5.7	6.0	7.7	4.3
LSD at 5% =	1.1	1.4	1.6	1.5	1.6	1.7

¹9 = best turf quality

²9 = best establishment

³9 = least disease

⁴9 = fewest seed heads

⁵9 = least drought stress

Table 11. Yearly nitrogen (N) applied and mowing height (Ht) on Kentucky bluegrass and Texas bluegrass hybrid tests established at Adelphia and North Brunswick, NJ.

	2008		2009		2010		2011	
	N ¹	Ht ²	N	Ht	N	Ht	N	Ht
Table 1 (2007 Adelphia).....	3.8	1.5	4.50	1.5	3.75	1.5	1.50	1.5
Table 2 (2007 North Brunswick)	2.7	1.5	2.08	1.5	3.31	1.5	1.33	1.5
Table 3 (2008 Adelphia).....			4.00	1.5	3.75	1.5	3.00	1.5
Table 4 (2008 North Brunswick, Low Maintenance)			2.52	3.0	2.35	3.0	0.56	3.0
Table 5 (2009 Adelphia).....					4.50	1.5	3.00	1.5
Table 6 (2009 North Brunswick, Low Maintenance)					3.84	3.0	1.10	3.0
Table 7 (2009 Adelphia, Shaded)					3.00	2.0	1.50	2.0
Table 8 (2009 Adelphia, CTBT)					4.50	1.5	3.00	1.5
Table 9 (2010 Adelphia).....							2.25	1.5
Table 10 (2010 Adelphia, Low Maintenance).....							1.75	2.5

¹ Annual N applied (lb/1000 ft²)

² Mowing height in inches