

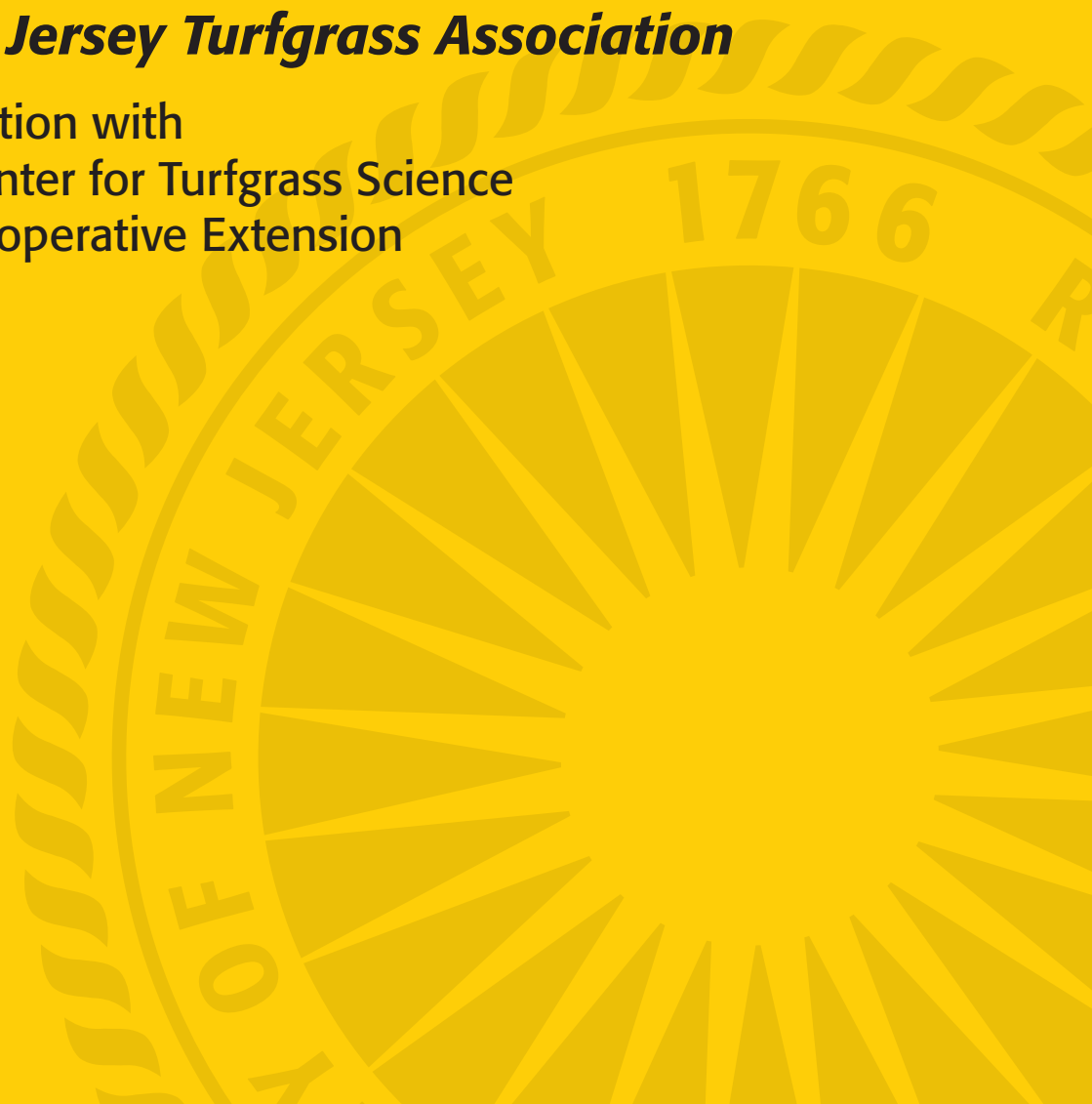
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2013 Turfgrass Proceedings

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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 2013 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.

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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 by underground stems known as rhizomes. This rhizomatous growth habit allows for Kentucky bluegrass to cope with various stresses and recover quickly from damage while still maintaining a uniform complete turf cover. Kentucky bluegrass is a highly desired turfgrass for a large number 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 is often outperformed in low light or low fertility microclimates (Turgeon, 2008).

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 northern and northeastern regions of the United States. Rhizomes provide superior playability by reducing the damage caused by divoting to 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 through a process known as apomixis. Although making crosses between genotypes is difficult to perform, apomixis in Kentucky bluegrass results in some advantages in the breeding process. Apomixis allows for the opportunity to utilize hybrid vigor and produce true-to-type seeds from superior plants over multiple generations. Over the past sev-

eral decades, more than 200 cultivars of Kentucky bluegrass have been released.

Texas bluegrass (*Poa arachnifera* Torr.), 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 heat and drought and to 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 basis 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 the National Turfgrass Federation, Inc. NTEP is a program which, through the cooperation of many institutions nationwide, tests different turfgrass cultivars and selections in different environments in order to assess their performance in a broad range of locations.

PROCEDURES

Seven Kentucky bluegrass trials were seeded from 2009 to 2012. Six of these trials (Tables 1 to 6) were located at the Rutgers Plant Biology and Pathol-

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ogy Research and Extension Farm at Adelphia, NJ, and one trial (Table 7) was located at the Rutgers Horticultural Research Farm II in North Brunswick, NJ.

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 8. 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 trial maintained at 3 inches (Table 7).

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 July 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

Monthly ratings of all trials were conducted throughout the growing season for overall quality. Overall turf quality ratings are visual assessments that take 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 to 5), wear quality (Table 5), dollar spot (Tables 3 and 5), stemminess (Tables 1 to 6), establishment (Tables 6 and 7), and genetic color (Tables 4 and 5).

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 photoperiod before spring green-up will begin. Cultivars such as Mystere, Arrowhead, and KenBlue rated high for spring green-up while cultivars such as J-1853, Sudden Impact, Midnight, and A03-10167 exhibited slow spring green-up (Tables 1 to 5).

Wear Quality

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 Oasis and Shiraz; cultivars such as Touchdown, SR 2109, and Moonlight SLT performed poorly under wear stress (Table 5).

Dollar Spot

Dollar Spot (caused by *Sclerotinia homoeocarpa* F.T. Bennett) is a fungal disease of Kentucky bluegrass. While its name is derived from the small, silver dollar-size spots *S. homoeocarpa* readily forms on bentgrasses mown at putting green height, it is also quite pathogenic on Kentucky bluegrasses. On Kentucky bluegrasses, which are mowed at higher cutting heights, the symptoms are larger, straw-colored spots (4 to 6 inches) that can coalesce into much larger spots 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 (Smiley et al., 2005). Cultivars and selections such as Mystere, A96-425, Voyager II, Noble A10-240, and A06-20 showed good resistance to dollar spot while SR 2109, A09-305, PST-07S-176, A11-38, A07-377, and A10-254 appeared to be quite susceptible (Tables 3 and 5).

Residual Reproductive Stems

A rating of "stemminess," or the amount of reproductive stems remaining in a plot after mowing,

was taken in trials. Ratings were taken on a 1 to 9 scale with a 9 representing a plot with little residual reproductive stems. The lack of stemminess is an attractive trait as it allows for a more consistent and visibly appealing turfgrass stand. Everest, Quantum Leap, Blue Note, and Everglade all performed well for this trait while 3733, Blackjack, and Waterworks contained the most reproductive stems (Tables 1 to 6).

Establishment

Green cover after 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 turfgrass stand. Establishment can be influenced by a variety of factors such as genetics, seed quality environment, management practices, and after-ripening dormancy. Other characteristics that affect establishment and seedling vigor include age of the seed, storage conditions, and environmental conditions at the time of seeding. Ratings were taken on a 1 to 9 scale with a 9 representing a plot that has filled in completely. Selections such as A99-2758, A05-360, A09-258, and K12-129 all had high ratings for establishment while RAD-1214, RAD-860, RAD-1216, and Texas bluegrass hybrids, A12-40, A12-42, and A12-43 had among the lowest ratings (Tables 6 and 7).

Genetic Color

Contrary to other areas of the world, dark green turfgrasses are typically more appealing to the American populace when compared to lighter green varieties. Breeding for darker green verdure in Kentucky bluegrass varieties is one focus of the Rutgers turfgrass breeding program. Although genetic color of the cultivar is taken into account when assessing the overall quality rating, individual measures of the depth of green color for each cultivar was also performed (Tables 4 and 5). Having the darkest green color were J-1136, PST-K9-97, PST K9-90, Midnight, Prosperity, Emblem, and Everest while the cultivar Action and the selections BAR VV 0709, BAR VV 118532, A04-1239, A03-6, and A03-26 had the lightest green color.

Stem Rust

Stem rust (caused by the fungus *Puccinia graminis*) is a serious disease on some Kentucky bluegrasses. At the onset of stem rust, the turf often

appears yellow. At closer look as the disease progresses, symptoms appear as brick-red flecks on leaf and stem tissues. In October 2013, the 2011 NTEP Kentucky Bluegrass test (Table 4) was affected by stem rust. Cultivars and selections that showed the most resistance were BAR Pp 110358 and BAR 8Pp 504, while BAR 12Pp 612, PST K9-97, and Aretesia were least resistant.

Leaf Spot

Leaf spot (caused by the fungus *Dreschslera 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. Leaf spot was evaluated in both of the 2011 tests (Tables 4 and 5). Avid, A01-1106, PST-K9-97, 3713, A11-53, and A00-1400 showed good resistance. Blackjack, Kenblue, Barvette, Action, Full Moon, A04-1240, and A11-25 were susceptible to leaf spot.

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. Due to its extensive rhizome system, Kentucky bluegrass thrives very well under stressful conditions such as wear tolerance. Because of its diverse use in the turfgrass industry, 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 2009 at Adelphia, NJ. (Includes all entries from the 2009 Cooperative Turfgrass Breeders Test (CTBT) Kentucky Bluegrass Trial.)

Cultivar or Selection	-----Turf Quality ¹ -----					Spring		Stemminess ³ 17 Oct. 2013
	2010- 2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	Green-up ² 10 April 2013		
1 Rhythm	6.4	6.2	6.7	6.7	6.1	2.3	4.3	
2 Midnight	6.4	6.5	6.5	7.0	5.6	2.3	4.0	
3 AKB510	6.3	6.0	6.7	6.8	5.7	2.7	4.0	
4 AKB047	6.3	6.3	6.3	6.7	5.8	2.3	5.3	
5 AKB434	6.2	6.2	6.6	6.1	5.9	4.3	3.3	
6 A03-3	6.2	7.0	6.5	5.9	5.3	4.7	4.0	
7 1A4-311	6.1	6.0	6.2	6.9	5.3	3.7	2.7	
8 Bewitched	6.0	6.1	6.3	6.0	5.8	2.3	3.7	
9 Prosperity	6.0	6.5	6.5	6.3	4.7	3.0	2.3	
10 A04-1488	5.9	6.1	5.9	6.6	5.0	3.3	4.7	
11 A04-340	5.9	6.5	6.0	5.9	5.2	4.3	3.7	
12 K4-3	5.8	6.0	5.8	6.1	5.4	5.0	2.3	
13 A98-363	5.8	6.3	6.2	5.5	5.3	5.0	4.3	
14 A94MH-94	5.8	6.0	5.8	5.9	5.5	2.0	8.3	
15 AKB355	5.8	5.7	6.2	5.9	5.5	3.7	7.7	
16 K4-7	5.8	5.6	5.7	6.4	5.3	4.3	4.0	
17 Rhapsody	5.8	5.8	5.9	6.0	5.3	6.3	3.3	
18 A96-1338	5.7	5.4	6.1	6.1	5.2	4.3	6.3	
19 A03TB-938	5.7	5.4	6.1	6.0	5.2	4.0	4.7	
20 103-585	5.7	6.4	6.1	5.5	4.6	3.3	4.0	
21 A00-1395	5.6	6.2	5.7	5.6	5.1	4.0	3.0	
22 A06-8	5.6	6.3	5.7	5.6	4.9	6.0	4.3	
23 Diva	5.6	6.0	5.4	5.6	5.3	5.3	3.7	
24 A05-322	5.6	6.1	5.6	5.8	4.9	4.7	2.7	
25 A03-351	5.6	5.7	5.6	5.5	5.5	2.7	7.3	

(Continued)

Table 1. Kentucky bluegrass turf trial, 2009, CTBT (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² 10 April 2013	Stemminess ³ 17 Oct. 2013
	2010- 2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.		
26 Oasis	5.5	6.2	5.7	5.5	4.7	5.3	4.0
27 A00-2882	5.5	5.7	5.4	5.7	5.3	4.3	4.0
28 AKB141864	5.5	5.7	5.7	5.8	4.8	5.0	4.0
29 A06-19	5.5	6.3	5.2	5.7	4.8	6.3	3.3
30 Bluenote	5.5	5.6	5.6	5.5	5.2	5.3	4.0
31 A06-33	5.5	6.1	5.6	5.4	4.8	6.7	5.3
32 K9-105D	5.5	6.0	5.9	5.3	4.7	2.7	5.7
33 K9-90	5.5	5.9	5.3	5.6	5.0	3.0	3.7
34 A04-38	5.5	5.6	6.0	5.4	4.9	4.0	3.7
35 A05-316	5.5	5.2	5.7	5.7	5.2	5.0	4.0
36 103-87	5.4	5.8	5.4	5.4	5.2	4.7	4.3
37 America	5.4	5.8	5.3	5.7	4.9	5.3	3.7
38 A05-347	5.4	6.2	5.6	5.1	4.8	3.3	4.0
39 Yankee	5.4	5.5	5.4	5.5	5.1	3.7	4.3
40 A98-210	5.3	5.3	5.4	5.6	4.9	5.7	3.3
41 A99-523	5.3	5.6	5.4	5.5	4.8	4.7	3.7
42 A05-314	5.3	5.5	5.2	5.6	4.9	5.7	4.3
43 PP-34736	5.3	5.9	5.3	5.2	4.8	2.3	5.7
44 A04-383	5.3	5.5	5.7	5.2	4.7	5.7	6.7
45 Arrowhead	5.3	5.0	5.6	5.4	5.2	5.0	4.0
46 A04-1417	5.3	5.4	5.4	5.7	4.6	2.7	4.7
47 K7-28	5.3	5.4	5.6	5.5	4.5	4.0	4.3
48 104-59	5.2	5.3	5.3	5.5	4.8	4.3	4.0
49 K9-82	5.2	5.1	5.5	5.2	4.9	4.0	3.7
50 Futurity	5.2	5.6	4.9	5.1	5.0	4.7	3.3

(Continued)

Table 1. Kentucky bluegrass turf trial, 2009, CTBT (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	Spring Green-up ² 10 April 2013	Stemminess ³ 17 Oct. 2013
	2010- 2013	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.							
51 A05-201	5.2	5.2	5.4	5.2	4.8	5.2	5.4	5.2	4.8	5.3	4.7	
52 A05-321	5.2	5.3	5.0	5.4	5.0	5.4	5.4	5.4	5.0	4.0	3.0	
53 K4-15	5.1	5.9	5.1	4.8	4.7	5.1	5.1	4.8	4.7	3.7	5.0	
54 K8-76NO	5.1	5.1	5.1	5.2	5.0	5.1	5.2	5.2	5.0	4.3	4.0	
55 103-651	5.1	5.6	5.5	4.6	4.6	5.1	4.6	4.6	4.6	2.0	5.3	
56 A04-74	5.1	4.8	5.4	5.3	4.8	5.1	5.3	5.3	4.8	4.0	3.7	
57 A05-894	5.1	5.4	5.4	4.9	4.5	5.1	4.9	4.9	4.5	4.3	3.0	
58 MSP 3898	5.1	5.5	4.8	5.0	5.0	5.1	5.0	5.0	5.0	4.7	4.0	
59 AKB345	5.0	5.6	5.0	4.6	4.9	5.0	4.6	4.6	4.9	4.0	6.7	
60 A04-1271	5.0	5.4	4.9	5.3	4.4	5.0	5.3	5.3	4.4	3.7	3.7	
61 A06-2	5.0	5.1	4.7	5.4	4.8	5.1	5.4	5.4	4.8	4.7	3.3	
62 A03TB-677	5.0	5.1	5.2	5.1	4.6	5.1	5.1	5.1	4.6	5.7	4.0	
63 Mallard	5.0	5.3	4.8	5.0	4.9	5.3	5.0	5.0	4.9	3.7	4.7	
64 A05-297	5.0	5.5	4.5	5.3	4.6	5.0	5.3	5.3	4.6	3.7	3.3	
65 KH8529	5.0	5.9	5.0	4.6	4.4	5.0	4.6	4.6	4.4	4.3	4.3	
66 AKB426	5.0	4.7	5.3	5.0	4.9	5.0	5.0	5.0	4.9	5.3	4.7	
67 1G4-66	4.9	5.2	5.0	4.9	4.6	5.2	4.9	4.9	4.6	3.7	4.0	
68 KH3343	4.9	4.7	5.2	5.0	4.7	4.7	5.0	5.0	4.7	6.0	4.0	
69 Sombrero	4.9	4.9	5.2	5.0	4.4	4.9	5.0	5.0	4.4	6.0	4.7	
70 A06-632	4.9	5.0	5.1	4.8	4.6	5.0	4.8	4.8	4.6	4.3	5.7	
71 AKB360	4.9	4.8	4.3	4.9	5.4	4.8	4.9	4.9	5.4	3.7	4.7	
72 AKB1010	4.9	5.0	5.0	4.8	4.7	4.9	4.8	4.8	4.7	3.0	5.7	
73 A05-354	4.9	5.3	4.9	4.7	4.4	4.9	4.7	4.7	4.4	4.3	4.3	
74 A05-323	4.9	5.0	4.5	4.9	5.0	4.9	4.9	4.9	5.0	6.0	4.0	
75 T7-7	4.8	5.4	4.8	4.9	4.0	4.8	4.9	4.9	4.0	4.7	4.3	

(Continued)

Table 1. Kentucky bluegrass turf trial, 2009, CTBT (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	Spring Green-up ² 10 April 2013	Stemminess ³ 17 Oct. 2013
	2010-2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.							
76 Touchdown	4.7	4.5	5.0	4.9	4.5	4.5	4.9	4.5	4.5	4.5	6.3	5.3
77 Volt	4.7	4.8	4.7	5.0	4.4	4.4	5.0	4.4	4.4	4.4	5.0	4.3
78 AKB049	4.7	5.2	5.1	4.6	4.0	4.0	4.6	4.0	4.0	4.0	4.3	5.0
79 AKB262	4.7	5.9	4.3	4.5	4.2	4.2	4.5	4.2	4.2	4.2	3.7	4.0
80 MP07	4.7	4.9	5.2	4.5	4.2	4.2	4.5	4.2	4.2	4.2	4.3	4.7
81 Shamrock	4.7	5.0	4.6	4.8	4.3	4.3	4.8	4.3	4.3	4.3	4.7	3.7
82 K9-100	4.6	5.2	5.4	3.9	4.1	4.1	3.9	4.1	4.1	4.1	2.3	4.3
83 AKB363	4.6	4.6	4.4	5.0	4.5	4.5	5.0	4.5	4.5	4.5	4.7	3.7
84 AKB042	4.6	5.2	4.6	4.4	4.3	4.3	4.4	4.3	4.3	4.3	4.0	5.7
85 K9-92	4.6	5.2	4.7	4.8	3.9	3.9	4.8	3.9	3.9	3.9	2.3	3.7
86 AKB1661	4.6	4.6	4.9	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.3	5.3
87 Mozart 1	4.6	4.8	4.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.7	5.3
88 AKB186	4.6	5.0	4.4	4.7	4.3	4.3	4.7	4.3	4.3	4.3	4.0	5.7
89 102-158	4.6	4.8	4.6	4.7	4.2	4.2	4.7	4.2	4.2	4.2	3.7	4.3
90 Arrow	4.6	4.1	4.6	4.8	4.7	4.7	4.8	4.7	4.7	4.7	4.0	3.7
91 AKB953	4.5	5.0	4.3	4.6	4.2	4.2	4.6	4.2	4.2	4.2	4.3	4.3
92 AKB1565	4.5	5.2	4.3	4.5	4.1	4.1	4.5	4.1	4.1	4.1	4.3	4.3
93 K9-99	4.5	5.2	4.2	4.6	4.0	4.0	4.6	4.0	4.0	4.0	3.3	5.0
94 K9-87	4.5	4.6	4.7	4.3	4.2	4.2	4.3	4.2	4.2	4.2	5.3	4.0
95 Baron	4.4	4.9	4.5	4.3	3.8	3.8	4.3	3.8	3.8	3.8	2.3	4.3
96 K8-75NO	4.3	4.8	4.3	4.2	4.1	4.1	4.2	4.1	4.1	4.1	2.7	3.7
97 Ridgeline	4.3	4.4	4.2	4.4	4.2	4.2	4.4	4.2	4.2	4.2	5.7	4.7
98 OF-5000	4.3	4.2	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.7	3.3
99 A07-393	4.3	4.8	4.2	4.4	3.7	3.7	4.4	3.7	3.7	3.7	2.7	4.3
100 K7-29	4.3	5.0	4.0	4.2	3.8	3.8	4.2	3.8	3.8	3.8	2.7	3.7

(Continued)

Table 1. Kentucky bluegrass turf trial, 2009, CTBT (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	Spring Green-up ² 10 April 2013	Stemminess ³ 17 Oct. 2013
	2010- 2013 Avg.											
101 AKB264	4.2	4.7	4.0	3.9	4.2	4.7	4.3	4.3	4.7	4.3	4.3	
102 AKB1012	4.2	4.6	3.8	3.9	4.3	4.3	4.3	4.3	4.3	4.3	4.7	
103 K9-86	4.1	5.2	3.4	4.0	4.0	3.3	3.3	4.0	4.0	3.3	5.3	
104 Orfeo	4.1	3.4	4.1	4.6	4.1	3.7	3.7	4.1	4.1	3.7	3.7	
105 K8-64	4.0	5.0	3.5	3.9	3.7	3.7	3.7	3.9	3.7	3.7	5.0	
106 A05-350	3.8	4.7	3.8	3.5	3.2	3.7	3.7	3.5	3.2	3.7	4.0	
107 TD08-4	3.7	3.9	3.9	3.9	3.2	4.3	4.3	3.9	3.2	4.3	5.0	
108 AKB1543	3.7	3.5	3.9	3.6	3.6	4.7	4.7	3.6	3.6	4.7	4.7	
109 KenBlue	3.6	3.9	4.2	3.2	3.0	7.0	7.0	3.2	3.0	7.0	4.3	
LSD at 5% =	0.5	0.7	0.7	0.8	0.5	1.3	1.3	0.8	0.5	1.3	1.3	

¹9 = best turf quality

²9 = earliest spring green-up

³9 = least stemminess

Table 2. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2009 at Adelphia, NJ.

Cultivar or Selection	-----Turf Quality ¹ -----					Spring		Stemminess ³ 17 Oct. 2013
	2010- 2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	Green-up ² 11 April 2013		
1 A06-46	6.5	6.5	6.5	6.9	6.2	5.7	6.3	
2 SCKB-3	6.5	6.6	6.4	6.7	6.1	4.0	3.7	
3 Blue Velvet	6.4	6.5	6.3	6.5	6.2	2.3	4.3	
4 A04-340	6.4	7.0	6.5	6.0	5.9	5.0	6.7	
5 Blue Chip Plus	6.3	6.7	6.6	6.6	5.5	2.0	4.0	
6 Bewitched	6.3	6.1	6.4	6.6	6.2	2.7	4.0	
7 Quantum Leap	6.3	6.3	6.8	6.3	5.8	2.0	5.3	
8 Rhythm	6.3	6.3	6.3	6.7	5.9	2.3	3.7	
9 Liberator	6.2	6.3	6.3	6.7	5.7	2.0	3.7	
10 SCKB-1	6.2	6.0	6.2	6.7	5.8	4.3	3.0	
11 Solar Eclipse	6.2	6.3	6.3	6.5	5.7	2.0	2.7	
12 Beyond	6.2	6.0	6.1	6.7	5.9	2.0	3.7	
13 Granite	6.2	6.4	6.6	6.3	5.5	2.0	3.7	
14 SCKB-4	6.2	6.9	6.6	5.4	5.9	4.3	7.3	
15 Everest	6.2	6.5	6.5	6.2	5.5	2.0	5.7	
16 Front Page	6.2	5.9	6.4	6.6	5.8	2.3	3.7	
17 A03-3	6.1	6.6	6.4	6.1	5.5	4.3	4.3	
18 Sudden Impact	6.1	5.9	6.4	6.7	5.5	2.0	3.7	
19 Nu Chicago	6.1	6.4	6.2	6.3	5.6	2.3	5.0	
20 Freedom III	6.1	6.3	6.4	6.3	5.4	2.0	4.0	
21 A05-360	6.1	6.1	6.7	5.9	5.7	6.7	3.7	
22 Midnight II	6.1	6.1	6.5	5.9	5.8	2.0	4.7	
23 76-9066	6.1	6.7	6.3	5.5	5.7	3.7	6.3	
24 Nu Destiny	6.1	5.9	6.5	6.3	5.5	2.0	4.7	
25 A04-1272	6.1	6.5	6.7	5.5	5.5	4.7	6.3	

(Continued)

Table 2. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	Spring Green-up ² 11 April 2013	Stemminess ³ 17 Oct. 2013
	2010- 2013 Avg.											
26 Rush	6.0	6.3	6.3	6.0	5.5	5.5	6.0	6.0	5.5	3.0	2.7	
27 Tsunami	6.0	6.0	6.1	6.1	5.9	5.9	6.1	6.1	5.9	2.0	4.7	
28 A98-363	6.0	6.9	6.1	5.9	5.3	5.3	5.9	5.3	5.3	5.3	5.0	
29 Right	6.0	6.7	6.5	5.3	5.5	5.5	5.3	5.3	5.5	4.0	7.3	
30 Starburst	6.0	5.9	6.4	6.5	5.4	5.4	6.5	6.5	5.4	7.0	3.7	
31 A04-74	6.0	6.3	6.4	5.9	5.5	5.5	5.9	5.9	5.5	4.3	1.7	
32 Award	6.0	6.3	6.3	6.0	5.5	5.5	6.0	6.0	5.5	2.0	3.7	
33 Alexa II	6.0	6.2	6.2	6.0	5.6	5.6	6.0	6.0	5.6	2.3	3.7	
34 RAD-849	6.0	5.8	5.9	6.6	5.7	5.7	6.6	6.6	5.7	6.3	7.0	
35 Nu Blue	6.0	6.3	6.1	6.0	5.6	5.6	6.0	6.0	5.6	2.3	3.7	
36 PST-K8-80	6.0	6.2	6.3	5.5	5.9	5.9	5.5	5.5	5.9	3.3	7.3	
37 A04-338	6.0	6.3	6.0	6.2	5.4	5.4	6.2	6.2	5.4	4.7	6.0	
38 Arcadia	6.0	5.9	6.3	6.1	5.6	5.6	6.1	6.1	5.6	2.0	3.7	
39 Rhapsody	5.9	6.3	5.8	6.1	5.5	5.5	6.1	6.1	5.5	7.0	3.3	
40 Nu Glade	5.9	6.0	6.2	6.2	5.4	5.4	6.2	6.2	5.4	1.7	3.0	
41 A00-4199	5.9	6.0	6.1	6.1	5.5	5.5	6.1	6.1	5.5	4.3	3.7	
42 A04-68	5.9	6.7	6.2	5.6	5.1	5.1	5.6	5.6	5.1	4.7	4.3	
43 Odyssey	5.9	6.0	6.0	6.0	5.6	5.6	6.0	6.0	5.6	2.3	4.0	
44 Mystere	5.9	6.4	6.1	5.8	5.2	5.2	5.8	5.8	5.2	6.3	4.3	
45 Jefferson	5.9	6.3	6.1	5.9	5.1	5.1	5.9	5.9	5.1	6.0	6.3	
46 H99-1653	5.9	6.2	6.2	6.0	5.1	5.1	6.0	6.0	5.1	6.0	6.7	
47 STR 2485	5.9	5.8	6.2	6.0	5.5	5.5	6.0	6.0	5.5	5.3	7.0	
48 PST-K9-105D	5.9	6.2	6.4	5.5	5.3	5.3	5.5	5.5	5.3	4.3	7.3	
49 Emblem	5.8	6.5	6.1	5.7	5.1	5.1	5.7	5.7	5.1	3.3	3.7	
50 Blue Note	5.8	5.9	6.0	5.8	5.5	5.5	5.8	5.8	5.5	5.7	3.7	

(Continued)

Table 2. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	Spring Green-up ² 11 April 2013	Stemminess ³ 17 Oct. 2013
	2010-2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.							
51 H01-697	5.8	6.5	6.2	5.6	4.9	4.7	4.3					
52 A04-67	5.8	5.7	6.1	5.9	5.5	6.7	4.7					
53 Avalanche	5.8	5.9	6.2	5.4	5.7	5.3	7.0					
54 A05-316	5.8	6.1	6.1	5.8	5.1	3.3	2.7					
55 A06-19	5.8	6.6	5.6	5.8	5.1	5.7	2.0					
56 A01-1106	5.8	6.0	5.9	5.9	5.3	5.3	3.3					
57 Rugby II	5.8	6.1	5.9	5.7	5.3	3.0	4.0					
58 Washington	5.8	5.8	6.5	5.4	5.3	6.3	6.0					
59 Everglade	5.7	6.2	6.1	5.8	4.9	2.3	5.0					
60 A00-3037	5.7	5.7	6.3	5.5	5.3	5.3	6.3					
61 A04-66	5.7	6.1	6.0	5.6	5.2	5.3	3.0					
62 SCKB-5	5.7	5.8	6.1	5.6	5.2	6.0	4.3					
63 STR 2509	5.7	6.1	5.4	6.1	5.2	6.3	3.0					
64 PST-1A4-311	5.7	5.7	5.7	6.0	5.2	2.7	3.3					
65 A99-2328	5.7	6.7	5.8	5.4	4.8	3.0	3.0					
66 Arrowhead	5.7	5.0	5.8	6.7	5.2	6.0	4.3					
67 PST-K8-81	5.6	5.4	5.7	5.7	5.7	3.7	7.7					
68 Green Star	5.6	5.8	6.2	5.8	4.7	4.0	3.7					
69 PST-K4-7	5.6	5.5	5.7	6.1	5.3	4.3	4.3					
70 Touche	5.6	6.0	6.0	5.3	5.3	5.3	6.0					
71 Jump Start	5.6	5.6	6.0	5.7	5.1	5.7	4.0					
72 A06-2	5.6	6.2	5.5	5.5	5.4	6.0	3.3					
73 4 Season	5.6	5.9	6.2	5.6	4.7	2.7	3.7					
74 A99-2758	5.6	5.5	6.1	5.5	5.3	3.3	3.3					
75 Perfection	5.6	5.7	5.7	5.6	5.4	2.0	3.7					

(Continued)

Table 2. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Spring Green-up ² 11 April 2013	Stemminess ³ 17 Oct. 2013
	2010- 2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.		
76 H02-607	5.6	5.6	5.7	6.2	4.9	4.0	5.0
77 SCKB-2	5.6	5.9	5.9	5.3	5.3	5.0	6.7
78 A00-1193	5.6	5.6	5.6	5.5	5.7	2.7	6.0
79 Armada	5.6	6.6	5.6	5.2	4.9	4.7	5.0
80 Prosperity	5.5	6.1	5.7	5.7	4.6	3.3	2.7
81 A04-46	5.5	6.3	5.8	5.1	4.9	4.0	3.3
82 A98-3366	5.5	5.6	6.2	5.7	4.7	3.0	6.0
83 Ginney II	5.5	6.2	5.6	5.2	5.1	2.3	4.3
84 H03-556	5.5	5.8	6.0	5.3	4.9	6.3	2.7
85 A04-38	5.5	5.7	5.5	5.4	5.4	5.3	3.7
86 Shannon	5.5	5.4	5.9	5.5	5.1	5.7	4.7
87 PST-K9-95	5.5	5.8	5.9	5.4	4.9	3.3	6.7
88 P-105	5.5	5.8	5.3	5.3	5.6	3.3	6.0
89 A05-361	5.5	5.4	5.9	5.4	5.2	4.7	3.7
90 Fullback	5.5	6.4	5.5	5.6	4.5	4.3	3.3
91 Futurity	5.5	5.9	5.3	5.6	5.1	5.3	3.0
92 PST-109-996	5.5	5.6	5.8	5.3	5.2	5.7	4.3
93 PST-103-87	5.5	6.4	5.8	5.1	4.5	4.7	3.7
94 RAD-840	5.5	5.7	5.8	5.3	5.1	4.0	6.0
95 PST-99-34736-07	5.5	5.4	5.5	5.4	5.4	3.7	6.3
96 Alpine	5.5	5.9	5.7	5.2	5.0	2.0	5.3
97 A05-351	5.4	5.3	5.4	5.4	5.7	3.0	7.3
98 SR-2109	5.4	5.5	5.9	5.4	5.0	3.3	5.7
99 A99-523	5.4	6.0	5.6	5.1	5.0	5.3	3.7
100 A06-28	5.4	5.2	5.6	5.8	5.1	3.3	2.7

(Continued)

Table 2. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	Spring Green-up ² 11 April 2013	Stemminess ³ 17 Oct. 2013
	2010- 2013	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.							
101 PST-K9-91	5.4	5.8	5.6	5.6	4.7	4.3	2.7					
102 PST-K4-3	5.4	6.0	5.9	5.2	4.6	5.0	3.0					
103 Pp H8400	5.4	5.8	5.7	4.9	5.4	3.3	7.0					
104 Brilliant	5.4	5.5	5.4	5.7	5.1	6.3	3.0					
105 A03-38	5.4	5.7	6.1	5.1	4.7	5.7	3.7					
106 PST-K9-89	5.4	5.9	5.7	5.0	4.9	4.0	2.7					
107 Valor	5.4	5.8	5.4	5.4	5.0	6.3	3.0					
108 PST-K7-24	5.4	5.2	5.7	5.6	4.9	4.7	2.7					
109 Argos	5.4	5.5	5.4	5.6	5.0	5.7	3.0					
110 Zinfandel	5.4	5.6	5.3	5.5	5.1	4.0	3.7					
111 A06-40	5.4	6.2	5.1	5.1	5.1	5.0	5.3					
112 Diva	5.4	5.7	5.1	5.7	4.9	5.3	4.3					
113 A09-231	5.4	5.2	5.6	5.7	5.0	4.3	3.0					
114 A05-331	5.4	5.5	5.5	5.4	5.0	5.3	3.7					
115 RAD-422	5.4	5.3	5.4	5.5	5.2	4.0	7.0					
116 PST-1A1-326	5.3	6.0	5.2	5.2	5.0	2.3	4.7					
117 A05-354	5.3	5.4	5.6	5.1	5.2	4.0	4.0					
118 PSG-711	5.3	5.5	5.1	5.5	5.3	5.3	3.7					
119 A94MH-94	5.3	5.6	5.4	5.1	5.2	2.0	7.0					
120 Julia	5.3	5.1	5.9	5.5	4.8	4.3	4.3					
121 A05-356	5.3	5.7	5.5	5.5	4.7	5.7	4.3					
122 Moonshine	5.3	5.3	5.4	5.7	4.9	6.3	5.3					
123 A05-321	5.3	5.4	5.0	5.4	5.3	5.7	3.3					
124 Rampart	5.3	5.3	5.8	5.3	4.8	4.3	2.7					
125 A03-677	5.3	5.4	5.5	5.3	4.9	7.0	4.3					

(Continued)

Table 2. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	Spring Green-up ² 11 April 2013	Stemminess ³ 17 Oct. 2013
	2010- 2013	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.							
126 PST-K9-90	5.3	5.4	5.5	5.7	4.4						3.0	3.7
127 Voyager II	5.2	5.7	5.0	4.9	5.3						5.3	4.3
128 PST-K7-28	5.2	5.5	5.6	5.4	4.4						3.7	4.3
129 Shannon	5.2	5.1	5.5	5.7	4.6						6.3	3.7
130 A09-259	5.2	5.8	5.2	5.2	4.7						6.3	4.0
131 A00-891	5.2	5.8	5.2	5.2	4.6						4.0	4.7
132 North Star	5.2	5.2	5.3	5.3	5.1						2.0	7.0
133 PSG 2109-5SLT	5.2	5.1	5.9	5.1	4.8						3.3	5.7
134 A09-230	5.2	6.0	5.0	4.9	4.8						4.7	3.7
135 A05TB-382	5.2	6.3	5.3	4.8	4.3						6.0	5.3
136 PST-K8-76NO	5.2	5.2	5.4	4.9	5.2						4.7	4.3
137 A03-77	5.2	5.6	5.2	5.3	4.6						3.7	4.3
138 SR 2284	5.2	5.2	5.2	5.4	4.8						5.3	3.0
139 Wildhorse	5.2	4.9	5.1	5.5	5.1						5.3	3.3
140 A04-1557	5.1	5.5	5.4	5.3	4.3						2.3	4.3
141 A07-5	5.1	5.5	5.3	5.2	4.6						3.3	4.3
142 A04-36	5.1	5.1	5.3	5.1	5.0						5.3	5.3
143 H01-938	5.1	5.2	5.4	5.4	4.5						7.7	5.0
144 PST-K8-77NO	5.1	5.1	5.4	4.7	5.3						4.0	7.0
145 A05-311	5.1	5.5	5.2	5.3	4.5						4.7	4.7
146 RAD-1206	5.1	5.1	5.1	5.6	4.7						3.3	5.0
147 A99-2026	5.1	5.6	5.0	5.0	4.9						4.3	4.3
148 Golden Nugget	5.1	5.1	5.3	5.2	4.8						4.7	5.3
149 Brooklawn	5.1	5.1	5.0	5.5	4.9						5.7	3.3
150 PST-K9-104	5.1	5.3	5.0	5.4	4.7						2.7	4.7

(Continued)

Table 2. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	Spring Green-up ² 11 April 2013	Stemminess ³ 17 Oct. 2013
	2010- 2013 Avg.											
151 PST-K9-93	5.1	5.6	5.0	5.3	4.5	4.3	5.7					
152 PST-K9-96	5.1	5.8	5.2	4.6	4.8	4.0	5.3					
153 PST-K9-82	5.1	5.1	5.2	4.9	5.1	4.7	3.3					
154 RAD-1224	5.1	5.8	5.0	5.2	4.4	5.3	5.7					
155 A05-347	5.1	5.8	5.2	4.6	4.8	4.3	4.3					
156 TD-2-JP08	5.1	5.1	5.0	5.1	5.2	4.3	6.3					
157 PST-K9-92FR	5.1	5.5	5.1	5.0	4.7	4.3	4.0					
158 A06-26	5.1	5.2	4.9	5.4	4.9	4.0	3.7					
159 Blacksburg	5.1	5.2	4.8	5.4	4.9	4.3	4.7					
160 PST-T7-7	5.1	5.6	4.9	5.4	4.4	5.0	4.0					
161 RAD-1209	5.1	5.6	5.2	4.7	4.7	5.0	5.3					
162 Eagleton	5.1	4.9	4.9	5.6	4.8	4.3	4.0					
163 A04-1271	5.1	5.5	5.0	5.3	4.4	4.0	4.0					
164 Sombrero	5.0	5.1	5.2	5.0	4.8	7.0	4.3					
165 Cheetah	5.0	5.6	5.2	4.6	4.7	5.0	6.3					
166 PSG 2677	5.0	5.2	5.1	5.1	4.7	6.7	4.0					
167 PST-104-4	5.0	5.5	5.1	4.8	4.7	2.3	6.0					
168 A98-210	5.0	5.3	5.1	4.7	4.9	6.0	3.0					
169 Oasis	5.0	6.0	5.0	4.7	4.3	5.7	3.3					
170 Fahrenheit 90	5.0	5.6	5.1	4.9	4.4	3.3	4.3					
171 Northside	5.0	5.3	5.1	4.8	4.7	5.0	3.3					
172 A05-894	5.0	5.2	5.7	4.7	4.3	5.0	3.7					
173 America	5.0	4.9	5.0	5.3	4.7	5.3	4.7					
174 A99-2377	5.0	6.0	4.8	4.4	4.6	4.7	3.3					
175 PST-K9-99	5.0	5.2	5.1	4.9	4.6	4.7	4.3					

(Continued)

Table 2. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Spring		Stemminess ³ 17 Oct. 2013
	2010- 2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	Green-up ² 11 April 2013	2013 Avg.	
176 Rockstar	5.0	5.1	5.1	4.8	4.9	5.7	5.0	
177 PST-K9-83	5.0	5.3	4.9	4.9	4.7	3.7	4.3	
178 A06-11	5.0	5.3	5.3	4.9	4.4	6.0	4.3	
179 GS-5-09	4.9	4.8	5.4	4.6	4.9	3.3	5.0	
180 PST-A07-393	4.9	5.4	5.3	4.9	4.2	3.3	5.0	
181 A05-297	4.9	5.6	4.6	5.1	4.4	3.0	3.3	
182 RAD-1217	4.9	5.8	4.5	4.6	4.8	5.3	5.3	
183 PST-K4-15	4.9	5.6	4.7	4.6	4.8	4.3	5.3	
184 PST-K8-60	4.9	5.8	4.8	4.3	4.7	4.3	5.7	
185 A06-2	4.9	5.3	4.8	4.8	4.7	3.7	2.3	
186 PST-K9-101	4.9	5.5	4.9	4.6	4.4	3.7	4.3	
187 PST-K8-75NO	4.9	5.3	4.8	4.9	4.5	4.3	4.7	
188 TD-4-JP08	4.9	5.1	5.1	4.7	4.5	4.3	5.3	
189 Monte Carlo	4.9	5.3	5.0	4.5	4.6	5.3	2.7	
190 RAD-1214	4.9	5.4	5.1	4.7	4.3	5.7	5.7	
191 Mozart 1	4.8	5.1	4.8	4.3	5.2	5.0	6.0	
192 A06-24	4.8	5.7	4.6	4.5	4.6	4.3	3.7	
193 PST-A06-632	4.8	4.8	5.0	4.9	4.6	5.0	5.3	
194 STR 2451	4.8	4.8	4.7	5.1	4.7	5.3	3.7	
195 A04-1407	4.8	4.8	5.6	4.4	4.4	2.0	4.0	
196 Moon Beam	4.8	5.3	4.8	4.6	4.3	4.7	5.0	
197 TD-5 JP08	4.8	5.1	5.2	4.5	4.3	4.7	6.0	
198 PST-K7-29	4.8	5.2	4.7	4.7	4.4	4.7	4.3	
199 Guinness	4.8	4.5	4.7	5.1	4.8	5.0	4.0	
200 Anastasia	4.8	4.9	5.2	4.2	4.7	4.0	4.7	

(Continued)

Table 2. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	Spring Green-up ² 11 April 2013	Stemminess ³ 17 Oct. 2013
	2010-2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.							
201 Zedor	4.8	5.2	5.0	4.0	4.8	4.0	4.3	4.0	4.3	4.0	4.3	
202 PST-K9-85	4.7	5.2	4.3	4.7	4.8	4.7	4.3	4.7	4.8	4.0	4.3	
203 Touchdown	4.7	4.4	4.9	4.9	4.7	4.9	4.9	4.9	4.7	6.3	5.3	
204 Bronco	4.7	5.0	4.8	4.6	4.5	4.6	4.8	4.6	4.5	2.7	3.7	
205 PST-K9-100	4.7	5.5	5.3	3.7	4.4	3.7	5.3	3.7	4.4	2.3	4.3	
206 TD-7 JP08	4.7	4.6	4.5	5.0	4.8	5.0	4.5	5.0	4.8	4.3	5.3	
207 RAD-892	4.7	5.0	4.7	4.6	4.5	4.6	4.7	4.6	4.5	3.7	3.7	
208 Bandera	4.7	5.2	4.8	4.7	4.0	4.7	4.8	4.7	4.0	2.0	3.3	
209 Waterworks	4.7	5.6	4.7	4.4	4.0	4.4	4.7	4.4	4.0	5.0	4.3	
210 PST-K7-58S	4.6	4.8	4.7	4.6	4.5	4.6	4.7	4.6	4.5	3.0	5.0	
211 RSP	4.6	5.2	4.7	4.5	4.1	4.5	4.7	4.5	4.1	8.3	4.3	
212 Limousine	4.6	4.1	4.8	5.1	4.6	5.1	4.8	5.1	4.6	5.0	3.0	
213 A07-377	4.6	5.1	5.1	3.7	4.5	3.7	5.1	3.7	4.5	2.7	5.7	
214 PST-T9-16	4.6	5.1	4.3	4.7	4.3	4.7	4.3	4.7	4.3	5.0	3.0	
215 RAD-924	4.6	5.1	4.7	4.3	4.3	4.3	4.7	4.3	4.3	5.0	5.3	
216 PST-K9-87	4.6	5.0	4.7	4.2	4.4	4.2	4.7	4.2	4.4	4.7	4.0	
217 STR 2278	4.6	4.6	4.4	4.8	4.6	4.8	4.4	4.8	4.6	4.7	2.3	
218 A03TB-364	4.6	4.4	5.1	5.0	3.9	5.0	5.1	5.0	3.9	5.7	5.0	
219 STR 2553	4.6	4.0	4.4	5.1	4.8	5.1	4.4	5.1	4.8	5.0	3.0	
220 PST-K9-88	4.6	5.0	4.5	4.5	4.4	4.5	4.5	4.5	4.4	4.7	5.7	
221 RAD-860	4.5	4.8	4.4	4.7	4.3	4.7	4.4	4.7	4.3	4.3	3.0	
222 Extra	4.5	5.0	4.1	4.7	4.2	4.7	4.1	4.7	4.2	3.7	4.3	
223 PST-1G4-66	4.5	4.6	4.5	4.5	4.3	4.5	4.5	4.5	4.3	4.7	4.0	
224 Revel I	4.5	4.9	4.1	4.4	4.5	4.4	4.1	4.4	4.5	3.7	4.7	
225 GS-3-09	4.5	3.9	4.5	4.8	4.7	4.8	4.5	4.8	4.7	5.0	3.3	

(Continued)

Table 2. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Spring		Stemminess ³ 17 Oct. 2013
	2010- 2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	Green-up ² 11 April 2013	2013 Avg.	
226 STR 2324	4.4	4.2	4.1	4.9	4.5	4.0	5.3	
227 Action	4.4	4.7	4.5	4.3	4.3	6.7	4.0	
228 Bordeaux	4.4	4.9	4.5	4.3	4.0	5.3	4.0	
229 OF-10000	4.4	4.5	4.1	4.6	4.4	4.0	3.7	
230 Shamrock	4.4	4.3	4.1	4.6	4.5	5.3	4.3	
231 PST-K9-94	4.4	4.7	4.4	4.6	3.7	3.7	3.3	
232 A02-976	4.4	4.7	4.1	4.2	4.5	5.0	5.7	
233 H01-492	4.4	4.1	5.0	4.4	3.9	8.3	3.3	
234 A04TB-327	4.3	3.9	4.4	4.7	4.4	6.0	5.7	
235 PST-K9-102	4.3	4.2	4.1	4.6	4.4	4.7	4.3	
236 RAD-926	4.3	4.2	4.5	4.4	4.0	3.3	2.3	
237 Orfeo	4.2	4.0	3.9	4.9	4.1	3.7	3.7	
238 GS-2a-09	4.2	4.0	4.2	4.2	4.3	4.0	4.7	
239 A05-323	4.2	4.0	4.3	4.3	4.0	4.3	2.0	
240 Columbus	4.2	4.6	4.1	4.0	4.0	7.7	4.0	
241 Kingfisher	4.2	4.1	3.8	4.2	4.5	5.7	3.7	
242 STR 23078	4.2	4.4	3.9	4.0	4.3	3.0	3.0	
243 Full Moon	4.1	4.5	4.0	4.2	3.9	4.7	4.3	
244 PST-K9-103	4.1	4.1	4.0	4.1	4.3	4.0	4.7	
245 GS-4-09	4.1	4.9	3.7	4.0	3.8	3.0	4.7	
246 PST-102-307	4.1	4.5	4.3	3.6	3.8	4.3	5.3	
247 Orfeo	4.1	3.5	4.0	4.4	4.5	3.3	3.7	
248 RAD-641	4.1	4.2	3.6	4.2	4.3	5.0	4.3	
249 Ulysses	4.1	3.2	4.0	4.7	4.3	3.7	3.3	
250 STR 23064	4.0	3.1	3.7	4.7	4.5	3.3	3.7	

(Continued)

Table 2. Kentucky bluegrass turf trial, 2009 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					Spring		Stemminess ³ 17 Oct. 2013
	2010- 2013 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	Green-up ² 11 April 2013	2013 Avg.	
251 PST-K9-84	4.0	4.5	3.4	4.0	4.2	3.7	6.0	
252 A05TB-60	4.0	3.9	3.8	3.9	4.2	4.3	4.0	
253 PST-102-1011	3.9	4.3	3.5	3.6	4.0	5.0	5.0	
254 Unique II	3.8	2.9	3.8	4.2	4.4	4.7	4.3	
255 PST-K7-59S	3.8	4.4	3.6	3.3	3.9	3.3	4.3	
256 A05TB-41	3.8	3.9	3.4	3.9	3.9	4.7	4.7	
257 Spitfire	3.7	3.4	3.4	4.1	4.0	3.3	4.3	
258 PST-K9-98	3.7	3.9	3.0	3.6	4.3	3.3	5.0	
259 PST-K8-64	3.7	3.9	3.4	3.5	4.0	3.3	5.0	
260 GS-2-09	3.6	3.2	3.6	3.6	4.1	4.3	4.3	
261 PST-K9-86	3.6	3.8	3.0	3.7	3.7	3.0	5.0	
262 RAD-648	3.5	3.3	3.3	3.6	3.8	3.3	4.3	
263 Mercury	3.5	2.2	3.4	4.0	4.3	4.7	4.0	
264 RAD-614	3.4	4.4	3.1	3.1	3.1	4.3	4.7	
265 A05-350	3.3	4.1	3.2	3.0	3.1	3.7	3.3	
266 PST-K8-65	3.3	3.7	2.2	3.4	3.9	4.0	5.7	
267 SCKB-6	3.2	2.9	2.7	3.2	3.8	3.3	4.3	
268 STR 235	3.0	1.5	2.8	3.8	3.7	3.3	3.7	
269 A03TB-772	2.8	1.1	2.5	3.9	3.9	4.3	4.0	
270 Camas	2.3	2.8	2.0	1.6	2.7	9.0	3.3	
LSD at 5% =	0.7	0.9	0.8	0.8	0.6	1.2	1.6	

¹9 = best turf quality

²9 = earliest spring green-up

³9 = least stemminess

Table 3. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2010 at Adelphia, NJ.

Cultivar or Selection	Turf Quality ¹				Spring Green-up ² 16 April 2013	Stemminess ³ 16 May 2013	Dollar Spot ⁴ 12 Sept. 2013
	2011-2013 Avg.	2011 Avg.	2012 Avg.	2013 Avg.			
1 Liberator	6.6	6.9	6.2	6.6	2.7	8.0	6.3
2 Solar Eclipse	6.4	6.8	6.1	6.1	2.0	8.0	7.0
3 Award	6.4	7.4	5.3	6.4	2.3	8.3	4.7
4 A04-340	6.4	6.5	6.3	6.3	4.7	7.3	8.0
5 Midnight	6.3	7.1	5.7	6.0	2.0	8.0	4.7
6 Freedom III	6.3	6.9	6.0	6.2	2.3	7.7	5.7
7 A00-1400	6.3	6.8	6.1	5.9	5.3	7.3	6.3
8 PST-K9-93	6.2	6.8	6.2	5.5	5.3	7.7	5.0
9 Green Star	6.2	6.9	5.7	6.0	6.0	6.7	6.0
10 Odyssey	6.2	6.6	5.7	6.4	2.0	7.7	5.7
11 Bluenote	6.1	6.3	6.4	5.7	5.3	7.0	8.0
12 SCKB1	6.1	6.9	5.5	5.9	3.7	7.3	4.7
13 A04-340	6.1	6.7	5.6	6.1	6.0	7.7	6.7
14 NuDestiny	6.1	7.1	5.4	5.9	2.3	7.7	5.3
15 Perfection	6.1	6.9	5.5	6.0	3.0	7.7	4.7
16 PST-K4-7	6.0	6.2	5.7	6.2	6.3	4.3	6.7
17 Quantum Leap	6.0	6.8	5.4	5.7	2.0	8.3	5.0
18 Beyond	6.0	6.7	5.4	5.8	2.3	7.7	5.7
19 Bluechip Plus	6.0	6.9	5.5	5.7	3.0	7.7	5.0
20 NuGlade	6.0	6.7	5.5	5.9	2.3	7.3	5.0
21 Everest	6.0	6.7	5.7	5.6	2.3	7.7	4.7
22 A05TB-386	6.0	7.0	5.7	5.3	7.0	6.7	6.0
23 A04-74	6.0	5.8	6.4	5.7	3.3	7.0	7.7
24 Prosperity	5.9	6.0	5.8	5.9	4.7	7.3	5.3
25 PST-T10-17	5.9	6.8	5.4	5.4	4.3	6.3	3.7

(Continued)

Table 3. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹				Spring Green-up ² 16 April 2013	Stemminess ³ 16 May 2013	Dollar Spot ⁴ 12 Sept. 2013
	2011- 2013 Avg.	2011 Avg.	2012 Avg.	2013 Avg.			
26 Emblem	5.9	6.5	5.4	5.7	4.7	7.3	5.3
27 A03-3	5.9	6.2	5.5	5.9	6.3	7.3	7.0
28 Sudden Impact	5.9	6.4	5.2	6.2	2.7	7.0	5.3
29 Ginney	5.9	6.2	5.4	6.2	2.3	8.3	6.0
30 Alexa II	5.9	6.6	5.2	6.0	2.3	7.7	5.7
31 Shiraz	5.9	5.9	6.1	5.8	5.7	7.0	6.0
32 A99-2328	5.9	6.7	5.4	5.6	4.3	8.3	6.3
33 A06-8	5.8	6.0	5.4	5.9	5.7	6.3	7.0
34 Arcadia	5.8	6.3	5.3	5.8	2.3	8.0	4.0
35 Bewitched	5.8	5.7	5.5	6.3	3.0	6.3	7.3
36 NuBlue	5.8	6.5	5.3	5.5	2.3	8.0	4.7
37 NuChicago	5.8	6.9	4.8	5.8	2.0	6.7	4.0
38 RAD-138	5.8	6.8	5.0	5.7	3.7	7.0	5.0
39 A04-46	5.8	6.5	5.3	5.6	3.7	7.3	4.7
40 Legend	5.7	6.0	5.2	6.0	3.7	6.0	7.0
41 PST-K9-90	5.7	6.0	5.6	5.5	5.7	7.0	5.7
42 PST-K9-91	5.7	6.0	5.7	5.3	5.3	6.3	5.3
43 Hampton	5.7	6.2	5.2	5.6	5.7	7.3	4.3
44 Noble	5.7	5.8	5.5	5.7	3.3	6.3	8.3
45 Rush	5.7	6.2	5.3	5.7	2.0	8.0	4.7
46 NA 3713	5.7	6.7	4.9	5.3	3.0	9.0	3.0
47 A99-2758	5.7	6.3	5.5	5.4	4.3	7.7	3.3
48 A04-338	5.7	5.6	5.8	5.7	4.3	6.0	6.7
49 A05-361	5.7	6.1	5.6	5.3	6.3	6.7	6.7
50 A10-249	5.7	6.0	5.4	5.6	5.3	4.3	6.3

(Continued)

Table 3. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹					Spring Green-up ² 16 April 2013	Stemminess ³ 16 May 2013	Dollar Spot ⁴ 12 Sept. 2013
	2011- 2013 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2013 Avg.			
51 Right	5.6	6.4	5.0	5.4	5.4	4.7	6.0	3.0
52 Argos	5.6	5.7	5.7	5.5	5.5	7.0	5.0	7.3
53 Rugby II	5.6	5.8	5.2	5.7	5.7	2.3	7.3	4.7
54 Ginney II	5.6	5.6	5.2	5.9	5.9	3.0	7.0	5.7
55 Keenland	5.6	6.0	5.0	5.6	5.6	2.3	6.7	6.7
56 A06-47	5.6	5.2	6.3	5.5	5.5	8.3	7.0	7.3
57 A10-239	5.6	6.0	5.4	5.4	5.4	4.0	7.0	6.7
58 A10-242	5.6	5.8	5.6	5.3	5.3	5.0	5.3	6.7
59 A10-245	5.6	6.0	5.7	5.2	5.2	4.0	6.3	7.7
60 A04-69	5.6	5.9	5.5	5.4	5.4	5.7	5.7	6.3
61 A03-37	5.6	5.7	5.6	5.5	5.5	8.0	7.3	6.7
62 SR 2284	5.5	5.6	5.5	5.4	5.4	8.0	4.0	6.7
63 A05-324	5.5	5.2	6.1	5.1	5.1	4.7	6.3	7.7
64 Mystere	5.5	5.9	5.1	5.6	5.6	7.0	7.0	6.7
65 AKB 449	5.5	6.1	4.9	5.5	5.5	4.7	7.0	5.7
66 A05-360	5.5	5.8	5.2	5.6	5.6	7.7	7.7	7.0
67 A01-245	5.5	5.4	5.8	5.2	5.2	4.3	6.0	7.7
68 A98-708	5.5	6.4	5.2	4.9	4.9	4.0	6.3	5.7
69 A10-237	5.5	5.2	5.9	5.3	5.3	2.7	7.0	7.7
70 A10-244	5.5	5.7	5.5	5.4	5.4	5.0	4.0	6.3
71 A10-246	5.5	5.5	5.5	5.5	5.5	5.3	6.3	7.3
72 A98-3320	5.5	5.5	5.5	5.4	5.4	5.7	3.3	4.3
73 A06-26	5.5	5.4	5.8	5.4	5.4	4.3	5.7	7.3
74 Oasis	5.5	6.0	5.5	5.0	5.0	5.0	4.7	8.0
75 A98-363	5.5	6.0	5.4	5.2	5.2	4.0	4.7	7.7

(Continued)

Table 3. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹				Spring Green-up ² 16 April 2013	Stemminess ³ 16 May 2013	Dollar Spot ⁴ 12 Sept. 2013
	2011- 2013 Avg.	2011 Avg.	2012 Avg.	2013 Avg.			
76 A99-2026	5.5	5.4	5.3	5.7	2.7	5.3	7.3
77 A99-345	5.5	5.4	5.5	5.4	4.7	6.7	6.3
78 PST-K10-111	5.4	5.6	5.6	5.1	3.7	7.3	7.3
79 A06-40	5.4	5.5	5.0	5.6	5.0	5.0	5.7
80 STR 2485	5.4	5.7	5.1	5.3	6.7	7.3	4.0
81 4-Season	5.4	5.9	4.9	5.6	4.3	7.3	3.3
82 Everglade	5.4	6.0	4.6	5.6	2.3	7.3	5.0
83 Arrowhead	5.4	5.3	5.3	5.6	8.3	8.0	4.3
84 Yankee	5.4	6.1	4.8	5.3	6.3	6.7	5.3
85 Gladstone	5.4	6.3	4.7	5.3	7.0	6.7	3.3
86 A04-66	5.4	5.4	5.2	5.5	6.0	6.7	7.0
87 A10-241	5.4	5.5	5.5	5.2	2.7	7.3	7.7
88 A04TB-258	5.4	5.6	5.0	5.5	5.3	7.0	7.3
89 A04TB-212	5.4	5.9	5.2	5.1	4.7	5.3	5.3
90 A96-1353	5.4	5.5	5.2	5.5	5.0	5.7	7.7
91 Lunar	5.3	6.2	5.0	4.8	4.3	3.7	7.0
92 PST-K7-24	5.3	5.8	5.1	4.9	7.7	6.0	4.3
93 PST-K10-110	5.3	5.4	5.3	5.1	4.0	6.7	5.3
94 Moonlight	5.3	5.5	5.0	5.3	3.3	7.0	7.7
95 PST-T10-18	5.3	5.6	5.1	5.3	7.0	8.3	5.0
96 PST-K7-28	5.3	5.5	5.0	5.2	4.7	3.3	5.7
97 PST-T10-20	5.3	5.9	5.2	4.8	6.0	7.7	2.3
98 PST-T10-23	5.3	6.0	4.8	4.9	6.7	7.3	2.0
99 SCKB4	5.3	6.0	4.5	5.4	6.0	7.0	3.7
100 A05-316	5.3	5.7	4.9	5.3	6.0	5.3	7.7

(Continued)

Table 3. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹					Spring Green-up ² 16 April 2013	Stemminess ³ 16 May 2013	Dollar Spot ⁴ 12 Sept. 2013
	2011- 2013 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2013 Avg.			
101 A99-2771	5.3	5.4	5.0	5.4	5.4	6.0	6.7	6.0
102 A01-1106	5.3	5.6	4.4	6.0	6.0	6.0	8.3	6.3
103 A99-3124	5.3	5.5	5.4	5.0	5.0	5.7	4.7	7.0
104 A10-238	5.3	5.5	5.3	5.2	5.2	4.3	4.0	7.3
105 A10-248	5.3	5.3	5.4	5.2	5.2	3.3	5.7	6.3
106 P-105	5.3	5.8	5.1	5.0	5.0	2.7	7.3	2.7
107 H99-1551	5.3	5.5	5.1	5.3	5.3	2.7	7.7	6.7
108 A09-230	5.3	4.9	5.5	5.5	5.5	7.0	5.7	7.7
109 A00-4199	5.3	5.4	5.2	5.2	5.2	4.3	7.0	5.3
110 A06-19	5.2	5.6	4.5	5.4	5.4	5.0	4.0	6.3
111 A99-523	5.2	4.9	5.3	5.3	5.3	3.0	6.7	8.0
112 PST-109-996	5.2	5.7	4.6	5.4	5.4	8.7	5.7	3.3
113 PST-K10-107	5.2	6.1	4.6	4.8	4.8	6.3	6.0	5.0
114 Krypton	5.2	5.8	5.1	4.7	4.7	4.7	4.0	4.7
115 Ridgeline	5.2	5.3	5.1	5.3	5.3	3.7	6.0	6.7
116 NA A00-1254	5.2	6.0	4.3	5.3	5.3	5.0	7.0	5.0
117 A06-11	5.2	5.2	5.3	4.9	4.9	5.7	5.7	7.3
118 A96-1338	5.2	5.5	5.0	5.2	5.2	7.0	7.0	3.3
119 A10-240	5.2	5.1	5.2	5.4	5.4	3.3	6.7	8.3
120 A10-247	5.2	5.2	4.7	5.6	5.6	4.0	7.3	6.7
121 A08-6	5.2	5.1	5.3	5.3	5.3	4.3	5.3	7.3
122 A03TB-417	5.2	6.0	4.7	5.0	5.0	5.3	6.3	6.7
123 A06-33	5.2	5.3	5.3	5.0	5.0	5.3	4.7	7.3
124 A10-5	5.1	5.2	4.9	5.3	5.3	4.0	5.7	5.3
125 PST-T10-21	5.1	5.8	4.3	5.2	5.2	9.0	6.7	3.7

(Continued)

Table 3. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹				Spring Green-up ² 16 April 2013	Stemminess ³ 16 May 2013	Dollar Spot ⁴ 12 Sept. 2013
	2011-2013 Avg.	2011 Avg.	2012 Avg.	2013 Avg.			
126 Jumpstart	5.1	6.0	4.3	4.8	8.3	7.0	2.3
127 Alpine	5.1	5.0	4.9	5.4	2.7	6.0	4.0
128 TD 4 JP08	5.1	5.9	4.4	5.0	5.0	7.0	3.3
129 TD 2 JP08	5.1	5.8	4.9	4.7	5.7	7.3	3.3
130 Sonoma	5.1	5.3	5.0	4.9	5.7	5.7	7.3
131 Bordeaux	5.1	4.9	5.1	5.3	5.0	4.0	6.0
132 RAD-130	5.1	5.7	4.6	4.9	5.3	5.0	5.3
133 H01-229	5.1	4.6	5.3	5.3	4.3	4.0	5.7
134 A08-3	5.1	5.4	4.8	4.9	3.3	4.7	8.0
135 A94MH-94	5.1	5.6	4.7	5.1	3.0	7.0	3.0
136 A03-38	5.1	5.3	4.7	5.2	7.3	6.3	6.7
137 A99-2231	5.1	5.0	5.2	5.0	4.0	5.3	7.0
138 Lakeshore	5.1	5.2	5.1	5.0	6.0	6.0	7.7
139 A06-20	5.1	5.1	4.8	5.4	5.7	5.0	8.3
140 A05-292	5.1	5.4	5.0	4.9	6.7	5.3	5.7
141 PST-K4-3	5.0	6.0	4.3	4.7	6.3	6.7	3.3
142 PST-K10-106D	5.0	5.9	4.3	4.8	8.3	6.3	3.0
143 PST-K10-112	5.0	4.9	5.1	5.0	4.0	5.7	6.0
144 Moonshine	5.0	5.3	4.5	5.3	7.0	5.7	7.3
145 SCKB3	5.0	5.0	4.3	5.7	6.0	5.3	5.7
146 Gaelic	5.0	5.1	4.8	5.1	7.3	7.3	5.0
147 Touche	5.0	5.6	4.7	4.8	5.7	7.7	3.0
148 STR 2553	5.0	4.8	5.1	5.1	4.3	5.7	7.7
149 Diva	5.0	5.0	4.9	5.1	5.3	5.7	7.3
150 RAD-66	5.0	5.7	4.8	4.5	7.3	6.0	4.7

(Continued)

Table 3. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹				Spring Green-up ² 16 April 2013	Stemminess ³ 16 May 2013	Dollar Spot ⁴ 12 Sept. 2013
	2011- 2013 Avg.	2011 Avg.	2012 Avg.	2013 Avg.			
151 A05-201	5.0	5.2	4.8	4.9	6.3	5.7	7.3
152 A98-210	5.0	4.6	5.2	5.2	8.3	6.0	7.0
153 A05-319	5.0	5.2	4.8	5.0	5.0	5.0	7.0
154 A99-3110	5.0	5.7	4.8	4.7	4.7	4.0	7.3
155 A10-251	5.0	5.3	5.1	4.7	7.7	3.3	8.0
156 A10-252	5.0	5.2	4.9	5.0	4.3	5.0	8.0
157 A04-40	5.0	5.0	5.1	4.9	4.7	6.7	6.7
158 A06-60	5.0	4.8	5.1	5.1	6.0	5.3	5.7
159 A07-1233	5.0	5.3	4.8	4.9	3.0	7.0	4.3
160 A10-280	5.0	5.8	4.6	4.6	5.7	3.3	5.3
161 A05-303	5.0	5.4	5.0	4.5	5.0	4.0	6.3
162 A06-34	4.9	4.6	4.9	5.2	4.7	4.0	6.3
163 Volt	4.9	5.1	4.2	5.3	6.0	4.0	6.3
164 Royce	4.9	4.6	5.0	4.9	4.0	5.7	7.0
165 PST-07S-95	4.9	5.6	4.5	4.7	6.3	3.0	6.3
166 PST-104-208	4.9	5.3	4.7	4.7	4.7	3.3	4.7
167 PST-T10-22	4.9	5.7	4.1	4.9	8.7	6.7	3.7
168 SCKB2	4.9	5.2	4.3	5.1	7.3	6.7	4.0
169 STR 2278	4.9	4.8	4.8	5.1	4.0	6.0	7.0
170 Kingfisher	4.9	5.1	4.8	4.9	5.3	4.3	6.0
171 STR 2509	4.9	5.0	5.0	4.7	3.7	5.7	7.0
172 PSG 2677	4.9	5.0	4.8	5.0	7.7	5.0	4.7
173 Starburst	4.9	5.0	4.7	5.0	7.0	5.7	5.0
174 TD 5 JP08	4.9	5.4	4.5	4.8	5.3	6.3	3.7
175 TD 9 JP08	4.9	5.7	4.4	4.8	6.0	7.0	3.0

(Continued)

Table 3. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹				Spring Green-up ² 16 April 2013	Stemminess ³ 16 May 2013	Dollar Spot ⁴ 12 Sept. 2013
	2011- 2013 Avg.	2011 Avg.	2012 Avg.	2013 Avg.			
176 Bedazzled	4.9	4.8	4.6	5.4	5.0	6.3	7.7
177 Blueberry	4.9	4.9	5.1	4.9	5.0	5.0	5.3
178 Blackberry	4.9	4.9	4.9	5.0	6.0	4.7	6.7
179 Rockstar	4.9	5.5	4.5	4.8	7.0	4.7	5.7
180 Monte Carlo	4.9	5.0	4.4	5.2	4.0	6.0	7.3
181 RAD-889	4.9	4.8	5.0	4.8	5.0	5.3	6.3
182 H99-1653	4.9	5.3	4.7	4.6	5.7	7.3	2.3
183 A00-247	4.9	4.7	5.1	4.8	4.3	6.7	7.3
184 A04-36	4.9	5.3	4.6	4.7	6.3	5.7	7.0
185 A05-853	4.9	5.2	4.9	4.7	5.7	4.0	4.3
186 A09-232	4.9	5.3	4.5	4.9	4.0	6.3	6.3
187 A07-5	4.9	5.0	5.1	4.7	3.7	4.0	6.0
188 A06-7	4.9	4.8	4.8	5.0	5.3	5.3	7.7
189 A05-312	4.9	5.0	4.5	5.0	6.0	5.3	7.0
190 A06-4	4.8	4.7	4.3	5.3	5.7	4.3	6.0
191 PST-K9-100	4.8	5.4	4.5	4.4	3.7	5.3	4.7
192 PST-K9-101	4.8	5.1	4.5	4.8	3.3	3.7	3.7
193 PST-A07-393	4.8	4.8	4.7	5.0	5.0	4.7	6.0
194 PST-T7-7	4.8	5.2	4.7	4.5	4.3	7.7	3.0
195 Bandera	4.8	4.6	4.8	4.9	3.7	6.3	6.0
196 TD 7 JP08	4.8	5.3	4.0	5.1	5.0	7.0	4.3
197 Concerto	4.8	5.2	4.8	4.6	7.0	5.3	6.7
198 Bonaire	4.8	4.9	4.7	4.9	6.7	5.7	6.0
199 Limousine	4.8	4.9	4.4	5.2	5.7	7.7	2.7
200 Zinfandel	4.8	4.7	4.8	5.0	4.7	5.3	6.7

(Continued)

Table 3. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹					Spring Green-up ² 16 April 2013	Stemminess ³ 16 May 2013	Dollar Spot ⁴ 12 Sept. 2013
	2011- 2013 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2013 Avg.			
201 RAD-858	4.8	4.7	4.9	4.8	4.8	7.0	7.0	3.7
202 RAD-121	4.8	4.9	4.6	4.8	4.8	6.7	7.0	5.3
203 Shamrock	4.8	5.2	4.3	4.8	4.8	6.7	3.7	7.7
204 #3725	4.8	5.3	4.6	4.5	4.5	4.3	7.0	4.0
205 Dauntless	4.8	5.2	4.4	4.9	4.9	6.7	6.7	7.3
206 A96-468	4.8	4.7	4.7	5.0	5.0	6.0	5.3	6.7
207 H01-351	4.8	4.9	4.9	4.6	4.6	4.7	5.3	3.3
208 A05-825	4.8	5.1	4.4	4.8	4.8	8.3	5.0	6.7
209 A05TB-275	4.8	4.9	5.1	4.2	4.2	7.7	6.0	5.0
210 A98-3369	4.8	5.2	3.9	5.3	5.3	4.0	4.0	3.7
211 A06-3	4.7	4.4	5.0	4.9	4.9	4.7	5.0	6.3
212 A06-14	4.7	4.5	4.3	5.2	5.2	5.0	5.7	6.0
213 A05-342	4.7	4.7	4.5	4.8	4.8	4.3	4.7	6.0
214 PST-K9-89	4.7	5.1	4.3	4.7	4.7	4.7	5.7	5.7
215 PST-T10-27	4.7	4.2	4.9	5.1	5.1	5.7	4.3	6.3
216 PST-K8-81NO	4.7	4.0	5.2	4.9	4.9	3.3	6.7	3.0
217 STR 2451	4.7	4.3	4.9	4.9	4.9	4.0	5.3	7.3
218 STR 2553	4.7	4.5	5.0	4.7	4.7	3.3	6.0	6.7
219 Fielder	4.7	5.0	4.4	4.7	4.7	6.3	6.3	6.3
220 America	4.7	4.7	4.7	4.7	4.7	4.0	4.7	7.3
221 RAD-70	4.7	5.5	4.1	4.3	4.3	7.0	5.3	3.7
222 A08-2	4.7	4.9	4.6	4.6	4.6	5.3	5.7	7.0
223 A04-38	4.7	5.2	4.0	4.8	4.8	5.7	5.3	7.3
224 A06-1033	4.7	5.0	4.3	4.6	4.6	3.7	3.7	4.3
225 A04-1271	4.6	5.2	4.2	4.5	4.5	3.3	7.3	4.7

(Continued)

Table 3. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹				Spring Green-up ² 16 April 2013	Stemminess ³ 16 May 2013	Dollar Spot ⁴ 12 Sept. 2013
	2011-2013 Avg.	2011 Avg.	2012 Avg.	2013 Avg.			
226 PST-K9-103	4.6	4.4	4.7	4.8	8.3	4.3	4.7
227 PST-K10-115D	4.6	5.0	4.5	4.2	4.7	6.7	4.7
228 PST-K8-80NL	4.6	4.5	4.1	5.0	3.3	8.0	1.7
229 PST-K7-29	4.6	5.0	4.0	4.9	4.7	3.3	3.7
230 Abbey	4.6	4.9	4.0	4.7	4.7	4.0	6.0
231 SR 2109	4.6	5.2	4.2	4.4	4.0	7.0	1.3
232 Armada	4.6	5.0	4.1	4.8	5.7	3.3	6.0
233 Brooklawn	4.6	5.0	4.0	4.8	6.7	5.0	6.7
234 Champagne	4.6	4.8	4.2	4.7	6.7	5.3	7.0
235 RAD-7PH6	4.6	5.1	4.4	4.4	6.0	7.7	3.0
236 RAD-KCC4L	4.6	5.2	4.2	4.2	4.0	5.3	3.3
237 A05-322	4.6	4.5	4.8	4.6	3.0	6.0	6.0
238 A05-999	4.6	5.1	4.1	4.7	6.0	6.7	3.7
239 A05-858	4.6	5.4	4.0	4.3	5.0	5.0	5.7
240 A09-231	4.6	4.3	4.6	4.8	4.0	6.7	6.7
241 A04-35	4.6	5.1	3.9	4.8	6.7	5.7	7.0
242 A10-4	4.5	4.5	4.6	4.5	6.7	4.3	5.0
243 PST-101-362	4.5	4.6	4.2	4.8	4.0	5.7	4.7
244 Voyager II	4.5	4.2	4.5	5.0	3.0	5.3	8.3
245 STR 2332	4.5	4.0	4.8	4.8	4.7	3.7	6.0
246 5-09 KB	4.5	4.8	3.9	4.8	3.7	6.3	2.3
247 Touchdown	4.5	4.8	4.0	4.8	6.3	5.7	3.7
248 Rubicon	4.5	4.5	4.3	4.7	8.3	6.3	2.7
249 Aviator	4.5	5.4	3.7	4.5	5.3	5.0	5.7
250 A05-344	4.5	4.4	4.7	4.5	4.7	4.0	6.7

(Continued)

Table 3. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹				Spring Green-up ² 16 April 2013	Stemminess ³ 16 May 2013	Dollar Spot ⁴ 12 Sept. 2013
	2011- 2013 Avg.	2011 Avg.	2012 Avg.	2013 Avg.			
251 A98-1001	4.5	4.7	4.2	4.6	3.3	6.3	7.3
252 A01-938	4.5	4.8	4.1	4.6	6.7	6.7	6.3
253 A10-2	4.4	4.4	4.1	4.7	5.7	3.3	6.7
254 A10-3	4.4	4.7	4.1	4.3	3.7	6.3	4.3
255 PST-K9-99	4.4	5.1	3.4	4.7	3.7	6.0	3.0
256 PST-T10-25	4.4	4.8	4.3	4.0	4.0	3.3	4.3
257 SR 2100	4.4	4.2	4.2	4.7	4.0	4.3	5.7
258 RAD-955	4.4	3.4	4.8	5.1	2.0	5.0	7.0
259 RAD-502	4.4	5.0	3.7	4.5	4.7	6.3	5.7
260 A04-1315	4.4	5.3	3.4	4.5	4.3	7.0	2.7
261 A04-387	4.4	4.2	4.5	4.4	4.7	4.7	5.0
262 A05-330	4.4	4.6	3.9	4.5	5.3	3.7	6.7
263 PST-T10-28 NO	4.3	4.5	4.3	4.2	8.7	7.7	7.0
264 PST-K8-76NO	4.3	4.7	3.8	4.5	4.7	6.7	2.7
265 Ulysses	4.3	4.5	4.0	4.5	6.3	6.3	2.3
266 A07-377	4.3	4.7	3.6	4.5	5.3	4.0	3.0
267 A08-377	4.3	5.1	3.0	4.8	5.3	5.0	3.3
268 H01-492	4.3	4.3	4.2	4.5	7.7	6.7	7.3
269 A04-1400	4.3	4.7	3.7	4.4	3.0	5.3	2.3
270 Milgro	4.2	4.5	4.0	4.0	4.3	4.3	5.3
271 PST-1G4-66	4.2	4.4	3.5	4.7	5.7	5.0	5.7
272 PST-K10-109S	4.2	4.0	4.2	4.4	3.0	5.7	4.7
273 MP07	4.2	5.0	3.9	3.8	6.3	4.0	2.0
274 Guinness	4.2	4.0	4.0	4.7	6.7	5.0	6.3
275 Mallard	4.2	4.6	3.5	4.3	5.0	5.3	5.7

(Continued)

Table 3. Kentucky bluegrass turf trial, 2010 (continued).

Cultivar or Selection	Turf Quality ¹				Spring Green-up ² 16 April 2013	Stemminess ³ 16 May 2013	Dollar Spot ⁴ 12 Sept. 2013
	2011- 2013 Avg.	2011 Avg.	2012 Avg.	2013 Avg.			
276 A05-930	4.2	4.7	4.1	3.8	4.7	6.0	1.7
277 A04-1569	4.2	4.6	3.7	4.2	4.7	3.0	4.0
278 PST-T9-16	4.1	4.1	3.7	4.6	5.3	5.3	6.0
279 Orfeo	4.1	4.2	3.7	4.3	3.7	3.7	5.3
280 Cheetah	4.1	4.8	3.4	4.2	3.7	6.0	3.0
281 RSP	4.1	4.8	3.7	3.9	7.7	7.0	5.3
282 A99-320	4.1	4.6	3.8	3.8	7.7	7.3	5.7
283 RAD-YOS128	4.0	4.1	3.9	4.1	5.7	6.3	4.7
284 RAD-941	4.0	3.8	4.2	4.1	5.0	6.7	7.3
285 A03-6	4.0	4.7	3.5	3.7	7.0	8.0	3.0
286 A04-1377	4.0	4.1	3.7	4.2	6.3	5.0	3.3
287 STR 23064	3.8	2.9	3.8	4.6	5.7	4.3	5.0
288 Corsair	3.8	4.6	3.0	3.9	6.0	5.0	4.7
289 A08-338	3.8	4.3	3.0	4.0	4.0	3.7	3.7
290 Spitfire	3.7	3.3	3.6	4.2	5.3	4.7	4.3
291 TD 08-4	3.7	3.6	3.7	3.9	4.3	4.0	4.7
292 NA 3733	3.7	3.5	3.5	4.1	4.7	4.3	5.7
293 RAD-902	3.6	3.3	3.6	3.8	4.0	4.3	5.3
294 RAD-51	3.5	3.4	3.1	4.0	4.3	4.0	4.7
295 Boutique	2.8	1.1	2.9	4.2	4.3	3.7	4.7
296 Action	2.3	2.2	1.8	3.1	6.7	4.7	3.0
297 Camas	2.2	2.3	1.7	2.6	8.0	5.7	5.3

(Continued)

Table 3. Kentucky bluegrass turf trial, 2010, (continued).

Cultivar or Selection	-----Turf Quality ¹ -----			Spring Green-up ² 16 April 2013	Stemminess ³ 16 May 2013	Dollar Spot ⁴ 12 Sept. 2013
	2011- 2013 Avg.	2011 Avg.	2012 Avg.			
LSD at 5% =	0.7	0.8	0.8	0.7	1.6	2.1

¹9 = best turf quality

²9 = earliest spring green-up

³9 = least stemminess

⁴9 = least disease

Table 4. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2011 at Adelphia, NJ. (Includes all entries of the 2011 National Turfgrass Evaluation Program (NTEP) Kentucky Bluegrass Test.)

Cultivar or Selection	-----Turf Quality ¹ -----		Stem Rust ² 9 Oct. 2013	Winter Color ³ 14 Jan. 2013	Spring Green-up ⁴ 24 April 2013	Genetic Color ⁵ 16 May 2013	Uniformity ⁶ 16 May 2013	Stemmi-ness ⁷ 16 May 2013	Leaf Spot ² 4 June 2013
	2012-2013 Avg.	2013 Avg.							
1 J-1136	6.8	7.2	7.0	6.0	2.0	8.7	7.7	8.7	7.3
2 J-1853	6.6	6.8	6.7	6.7	1.7	8.3	8.0	8.7	6.3
3 J-1770	6.5	6.9	6.3	7.0	2.0	8.3	7.7	8.0	6.3
4 A03-1017	6.5	6.8	6.7	7.3	1.3	8.3	8.0	8.3	7.3
5 Pick 4340	6.4	6.5	7.3	6.7	4.0	7.0	8.0	8.3	5.7
6 Keeneland	6.3	6.2	7.3	7.3	4.3	7.3	7.7	8.3	6.0
7 Blue Note	6.3	6.0	5.7	4.3	6.3	6.7	9.0	8.3	6.0
8 Sudden Impact	6.3	6.6	6.3	6.3	1.7	8.3	7.3	7.7	5.7
9 SRX 4338	6.2	6.5	6.3	5.7	4.0	6.7	8.3	8.3	5.7
10 A06-46	6.2	6.6	7.3	5.3	3.3	6.0	7.3	7.7	6.7
11 A05-361	6.2	6.1	4.7	4.0	7.3	5.7	9.0	8.0	7.0
12 Nu Chicago	6.2	6.3	7.3	6.0	2.0	8.3	7.0	7.7	6.3
13 SRX 2758	6.1	6.4	5.3	4.0	5.3	5.0	8.0	8.7	6.0
14 Legend	6.0	6.2	5.7	5.7	4.3	8.0	7.3	7.3	6.7
15 Pick 033	6.0	6.1	5.3	5.3	6.7	5.0	7.3	7.3	6.0
16 Midnight	6.0	6.4	5.3	6.7	1.7	8.7	7.0	8.7	7.0
17 SRX 466	5.8	6.0	4.0	4.0	6.3	5.3	8.0	8.0	5.3
18 Rush	5.8	6.2	5.3	6.3	2.7	7.7	8.3	8.0	7.0
19 BAR Pp 110358	5.7	5.1	8.0	5.7	6.3	3.7	8.7	7.0	6.3
20 A06-26	5.7	5.4	4.0	4.0	4.3	7.7	6.7	6.0	6.3

Table 4. Kentucky bluegrass turf trial, 2011, NTEP (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Stem Rust ² 9 Oct. 2013	Winter Color ³ 14 Jan. 2013	Spring Green-up ⁴ 24 April 2013	Genetic Color ⁵ 16 May 2013	Uniformity ⁶ 16 May 2013	Stemmi-ness ⁷ 16 May 2013	Leaf Spot ² 4 June 2013
	2012-2013 Avg.	2013 Avg.							
21 A00-4199	5.6	5.5	5.3	4.3	4.3	6.0	7.7	8.0	6.7
22 Skye	5.6	5.6	4.7	4.3	6.3	5.3	8.0	5.7	4.7
23 Arrowhead	5.6	5.4	5.0	2.7	6.0	7.3	7.7	7.7	6.3
24 Burl 3-51	5.6	5.6	4.7	4.0	2.7	8.0	5.3	8.0	7.3
25 A04-74	5.5	5.3	4.0	5.0	5.0	8.0	6.0	7.3	6.0
26 Dauntless	5.5	5.2	6.7	5.0	7.3	5.0	7.3	7.3	5.0
27 Avid	5.5	5.1	6.0	4.3	2.7	8.0	6.7	7.7	7.7
28 A00-2882	5.4	5.5	3.0	6.0	4.3	7.3	6.3	6.3	7.0
29 A05-360	5.4	5.6	4.3	6.0	7.0	4.3	8.3	8.3	6.3
30 PST K9-90	5.4	5.3	4.7	4.3	4.3	9.0	5.0	8.0	8.3
31 Lunar	5.4	5.9	6.3	7.7	5.7	7.7	5.7	2.7	3.3
32 RAD-849	5.4	5.5	6.3	7.3	6.7	4.3	8.0	7.7	5.3
33 A01-1106	5.4	5.8	3.7	5.7	4.0	6.0	6.7	7.7	7.7
34 LTP-08-6	5.3	5.4	3.3	4.3	6.0	7.3	7.0	7.0	5.0
35 Pick TD8	5.3	5.0	7.3	7.0	6.3	6.3	6.0	3.7	4.3
36 BAR 12Pp 612	5.3	5.3	3.0	6.7	6.3	6.0	7.7	5.3	5.3
37 Award	5.2	5.0	6.0	6.0	2.0	8.3	4.7	6.7	6.3
38 Rubix	5.2	5.2	5.7	4.7	7.3	5.7	8.0	8.0	6.0
39 PST K10-106D	5.2	5.1	6.0	3.7	8.0	7.0	8.0	8.0	6.0
40 SRX 5321	5.2	4.8	4.3	4.7	4.7	6.7	7.7	7.7	6.0
41 A04-36	5.2	5.0	5.7	5.7	6.3	5.0	7.3	5.0	4.7
42 A04-38	5.2	4.8	5.7	4.7	5.7	6.7	7.3	6.3	4.3
43 Oasis	5.2	4.8	4.0	3.7	4.7	6.7	6.3	5.3	5.0
44 Burl 06-11	5.2	4.9	6.7	4.3	6.0	4.7	7.0	6.3	3.7
45 A05-TB-382	5.1	5.4	6.7	6.3	7.0	4.0	6.7	4.3	4.0

(Continued)

Table 4. Kentucky bluegrass turf trial, 2011, NTEP (continued).

Cultivar or Selection	-----Turf Quality'-----		Stem Rust ² 9 Oct. 2013	Winter Color ³ 14 Jan. 2013	Spring Green-up ⁴ 24 April 2013	Genetic Color ⁵ 16 May 2013	Uniformity ⁶ 16 May 2013	Stemmi-ness ⁷ 16 May 2013	Leaf Spot ² 4 June 2013
	2012-2013 Avg.	2013 Avg.							
46 BAR 8Pp 504	5.1	5.0	7.7	5.0	5.0	3.3	8.3	8.0	4.0
47 H99-1653	5.1	5.1	7.0	4.3	7.7	3.7	8.7	8.0	5.0
48 PST-K4-7	5.0	5.6	3.3	7.7	4.0	7.7	4.7	3.0	6.3
49 Aramintha	5.0	4.8	7.0	7.0	3.7	3.7	6.3	5.0	4.0
50 Empire	5.0	4.9	4.0	6.3	4.0	7.0	5.7	7.3	6.3
51 PST-K4-3	5.0	4.9	4.0	5.0	6.0	7.7	6.0	7.7	5.3
52 PST-T10-18	4.9	4.5	6.7	4.3	6.7	3.3	8.3	7.7	4.7
53 A98-363	4.9	5.0	6.7	4.7	7.0	5.0	5.3	4.3	3.7
54 Cabernet	4.8	5.1	3.7	3.7	6.7	4.7	6.7	4.0	5.3
55 Barvette	4.8	4.9	7.3	6.3	8.7	2.3	8.7	8.3	3.0
56 Blue Coat	4.8	4.9	5.0	4.3	4.0	8.3	6.3	3.7	4.3
57 RAD-1492	4.8	5.0	6.0	2.0	5.7	7.3	3.7	5.7	5.3
58 Zinger	4.8	5.0	6.0	6.0	5.7	4.7	6.7	4.0	4.0
59 A06-47	4.7	5.1	4.0	5.3	6.7	6.0	5.0	5.3	7.0
60 Pick TD9	4.7	4.7	6.7	4.0	6.0	4.0	7.3	6.3	4.3
61 BAR VV-112916	4.7	4.1	7.3	3.7	8.7	4.0	8.0	7.3	3.7
62 Waterworks	4.6	4.8	5.0	3.3	4.7	7.7	5.7	1.3	3.7
63 PST-K9-97	4.6	5.4	3.0	7.3	5.7	9.0	6.7	7.3	7.7
64 PpH 9131	4.6	4.6	6.0	5.0	5.3	4.7	7.3	4.0	4.0
65 A05-999	4.5	4.7	3.7	5.3	6.0	5.3	8.0	6.7	6.0
66 America	4.5	4.6	5.0	4.7	3.0	5.0	4.3	3.7	4.3
67 Geisha	4.5	4.7	6.3	2.0	3.0	7.3	5.7	5.0	5.3
68 BAR Pp 119326	4.3	4.2	6.0	3.3	5.0	4.3	7.3	5.0	5.3
69 BAR VV 118532	4.3	4.3	5.7	6.3	5.0	3.0	5.7	3.7	3.7
70 Shamrock	4.2	4.7	4.7	4.7	6.3	5.7	4.3	2.7	4.3

(Continued)

Table 4. Kentucky bluegrass turf trial, 2011, NTEP (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Stem Rust ² 9 Oct. 2013	Winter Color ³ 14 Jan. 2013	Spring Green-up ⁴ 24 April 2013	Genetic Color ⁵ 16 May 2013	Uniformity ⁶ 16 May 2013	Stemmi-ness ⁷ 16 May 2013	Leaf Spot ² 4 June 2013
	2012-2013 Avg.	2013 Avg.							
71 Thermal Blue	4.2	4.3	4.1	2.0	4.3	4.3	7.3	5.7	4.7
72 Baron	4.0	3.9	4.1	1.3	3.3	7.3	3.7	2.7	4.7
73 RAD-507	4.0	4.2	3.8	3.7	5.7	6.7	3.3	3.3	4.7
74 Pick MD07	4.0	4.0	4.0	6.3	4.7	4.7	5.3	2.7	4.0
75 3733	4.0	3.5	4.4	3.7	4.3	8.0	3.0	2.3	4.0
76 BAR Pp 119327	3.9	4.0	3.8	1.7	2.7	6.0	4.0	3.7	5.3
77 AKB 2555	3.9	3.5	4.2	3.3	4.3	7.3	3.0	2.7	3.7
78 Aretesia	3.8	3.6	4.1	5.0	4.0	8.3	3.7	4.0	6.0
79 Barduke	3.8	4.0	3.5	2.3	2.7	6.3	3.0	3.0	3.7
80 Blackjack	3.8	3.9	3.6	4.3	5.3	8.0	3.0	2.3	2.7
81 Kenblue	3.7	3.6	3.8	2.3	9.0	3.3	8.3	6.0	3.0
82 PST-K9-99	3.7	3.8	3.6	2.7	2.7	6.0	5.0	3.7	5.0
LSD at 5% =	0.5	0.6	0.7	1.6	1.5	1.1	1.7	1.5	1.4

¹9 = best turf quality
²9 = least disease
³9 = best winter color
⁴9 = earliest spring green-up
⁵9 = best genetic color
⁶9 = best uniformity
⁷9 = least stemminess

Table 5. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2011 at Adelphia, NJ.

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² 24 April 2013	Genetic Color ³ 16 May 2013	Stemmi-ness ⁴ 16 May 2013	Leaf Spot ⁵ 4 June 2013	Dollar Spot ⁵ 16 Aug. 2013	Wear Quality ⁶ 23 Sept. 2013
	2012-2013 Avg.	2013 Avg.						
1 Everest	6.2	6.9	2.0	8.7	9.0	6.7	6.3	5.7
2 A05TB-386	6.2	6.4	6.3	5.0	9.0	6.3	6.3	6.0
3 Perfection	6.1	6.2	2.3	8.3	8.7	6.0	8.0	5.3
4 A06-1053	6.0	6.6	2.0	8.0	8.7	5.7	8.0	5.0
5 Quantum Leap	6.0	6.7	2.0	8.0	9.0	6.3	6.7	4.7
6 Beyond	6.0	6.4	2.3	8.0	8.7	6.7	8.0	4.0
7 RAD-138	6.0	6.0	4.7	6.3	8.0	5.7	5.0	4.0
8 A11-31	6.0	5.9	5.7	6.0	8.3	5.7	6.7	5.7
9 Freedom III	5.9	6.6	2.7	8.3	8.7	6.3	4.7	5.0
10 A04-340	5.9	6.0	3.0	7.0	9.0	7.0	7.0	5.3
11 Solar Eclipse	5.9	6.3	2.0	7.7	9.0	6.3	6.7	4.7
12 Shiraz	5.8	5.9	5.0	5.3	8.3	6.3	8.0	6.3
13 Blue Note	5.8	5.7	6.3	6.3	9.0	5.7	7.7	5.7
14 NuDestiny	5.8	6.4	1.7	8.0	9.0	7.0	6.0	4.0
15 Award	5.8	6.1	2.0	8.0	8.7	6.7	5.3	5.3
16 NuBlue Plus	5.7	6.4	2.3	8.0	8.7	6.3	7.7	5.3
17 A11-26	5.7	5.8	4.0	6.7	9.0	7.0	5.0	5.0
18 PST-K11-123	5.7	5.5	6.0	6.3	8.0	5.7	7.7	4.0
19 Everglade	5.7	6.0	2.3	8.3	9.0	6.3	7.3	5.0
20 Liberator	5.7	6.2	2.3	8.0	9.0	6.3	7.3	4.7
21 A11-47	5.7	5.9	4.3	7.0	9.0	6.7	4.3	3.3
22 A06-46	5.7	6.2	5.0	5.3	8.3	6.3	6.0	4.7
23 H01-697	5.7	5.7	6.7	5.0	7.3	4.3	7.7	6.0
24 A99-2758	5.7	6.0	4.7	5.7	8.7	6.3	5.3	3.3
25 A06-2	5.7	5.5	4.7	6.7	7.7	5.7	8.0	6.3

(Continued)

Table 5. Kentucky bluegrass turf trial, 2011 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² 24 April 2013	Genetic Color ³ 16 May 2013	Stemmi-ness ⁴ 16 May 2013	Leaf Spot ⁵ 4 June 2013	Dollar Spot ⁶ 16 Aug. 2013	Wear Quality ⁶ 23 Sept. 2013
	2012-2013 Avg.	2013 Avg.						
26 PST-K11-126	5.7	5.3	3.7	6.7	9.0	6.0	7.7	6.3
27 PST-102-45	5.7	5.8	3.7	7.0	7.7	4.7	7.0	3.7
28 A05-361	5.6	5.5	6.7	5.7	8.3	6.0	6.7	4.3
29 A94-677	5.6	5.6	3.7	6.7	8.3	6.3	7.7	5.7
30 Odyssey	5.6	6.3	1.7	8.3	9.0	7.3	7.0	4.7
31 A11-40	5.6	5.6	7.7	4.7	9.0	6.3	7.0	5.3
32 A05-295	5.6	5.9	5.7	6.0	7.0	4.7	6.0	5.3
33 A04-74	5.6	5.5	3.7	8.0	9.0	7.0	7.3	5.7
34 Rush	5.6	6.0	2.7	8.0	8.7	6.3	6.7	4.3
35 A06-11	5.6	5.6	6.7	5.0	8.3	4.0	7.3	4.7
36 Sudden Impact	5.6	5.8	2.3	8.0	8.7	6.7	6.7	5.3
37 Alexa II	5.6	6.1	1.3	7.7	9.0	7.0	7.3	4.0
38 Arcadia	5.6	6.3	1.7	7.7	8.0	6.0	7.0	4.0
39 Bluechip	5.5	6.1	2.0	8.3	8.7	6.0	6.3	4.0
40 3713	5.5	6.0	2.7	7.0	8.7	8.0	4.7	3.0
41 Moonlight SLT	5.5	6.4	3.7	7.7	7.7	5.7	4.0	2.0
42 Bluenote	5.5	5.6	5.7	6.0	9.0	6.0	6.7	4.3
43 A04-69	5.5	5.9	6.7	4.3	9.0	4.7	5.7	4.7
44 Diva	5.5	5.9	6.0	4.7	8.7	6.0	5.0	4.3
45 A04-69	5.5	5.8	6.7	4.7	8.0	4.7	7.0	5.7
46 PST-K10-107	5.5	5.7	5.7	5.7	7.7	6.0	6.3	3.3
47 NuChicago	5.5	6.0	2.0	7.7	8.3	7.0	5.7	4.3
48 A11-41	5.5	5.2	4.7	6.3	9.0	6.3	5.3	5.7
49 A11-48	5.5	6.1	6.7	4.3	8.7	5.7	6.7	5.7
50 A04-36	5.5	5.1	6.3	5.7	7.7	5.0	7.3	4.3

(Continued)

Table 5. Kentucky bluegrass turf trial, 2011 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² 24 April 2013	Genetic Color ³ 16 May 2013	Stemmi-ness ⁴ 16 May 2013	Leaf Spot ⁵ 4 June 2013	Dollar Spot ⁵ 16 Aug. 2013	Wear Quality ⁶ 23 Sept. 2013
	2012-2013 Avg.	2013 Avg.						
51 A08-6	5.5	5.7	5.0	6.0	7.7	5.0	6.7	5.3
52 Keeneland	5.5	5.4	4.0	6.7	9.0	6.3	6.0	5.0
53 Oasis	5.4	5.1	5.0	6.7	7.3	4.3	7.7	6.3
54 A98-363	5.4	5.2	6.0	5.3	5.0	5.3	7.7	6.0
55 A09-305	5.4	5.9	3.7	6.0	9.0	7.3	2.3	1.7
56 PST-K10-111	5.4	5.5	4.3	5.0	8.3	6.3	7.0	5.0
57 Zinfandel	5.4	5.7	3.0	7.0	8.7	6.7	7.0	3.7
58 A00-1400	5.4	5.5	2.7	8.0	7.3	8.0	7.7	4.3
59 A06-33	5.4	5.3	5.3	5.7	8.7	5.7	7.3	4.3
60 Right	5.4	6.0	4.3	7.0	6.3	4.7	4.7	3.0
61 PST-K11-122	5.4	5.2	6.0	6.0	2.7	4.0	7.3	5.7
62 A04-66	5.4	5.5	6.7	5.0	7.7	6.0	6.7	4.0
63 Ginney II	5.4	6.0	2.0	7.7	9.0	7.0	6.0	3.7
64 STR 2451	5.4	5.6	3.7	6.3	7.3	4.0	7.7	6.3
65 PST-T10-17	5.4	5.5	4.0	5.7	8.7	4.3	4.0	3.0
66 Awesome	5.4	5.6	2.0	8.0	9.0	7.0	5.7	4.0
67 A11-53	5.4	5.7	2.7	7.3	7.0	8.0	6.7	4.3
68 A96-425	5.4	5.3	5.7	6.7	8.0	6.7	8.3	4.3
69 A04-46	5.4	5.4	2.7	7.7	8.7	7.3	6.7	4.0
70 A06-26	5.3	5.0	4.7	7.0	7.7	5.3	7.7	6.0
71 A10-249	5.3	5.2	4.7	6.7	7.0	6.3	7.7	4.7
72 A06-8	5.3	5.3	5.3	6.3	7.7	4.7	7.3	4.3
73 PST-K11-127G	5.3	5.6	4.0	6.3	6.7	4.7	4.7	3.0
74 A11-71	5.3	5.7	6.7	4.7	8.3	4.7	6.3	4.3
75 A04-32	5.3	5.3	4.0	6.3	8.0	4.7	6.7	5.3

(Continued)

Table 5. Kentucky bluegrass turf trial, 2011 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² 24 April 2013	Genetic Color ³ 16 May 2013	Stemmi-ness ⁴ 16 May 2013	Leaf Spot ⁵ 4 June 2013	Dollar Spot ⁶ 16 Aug. 2013	Wear Quality ⁶ 23 Sept. 2013
	2012-2013 Avg.	2013 Avg.						
76 H98-767	5.3	5.6	3.7	6.3	8.0	4.7	8.0	4.3
77 AKB707	5.3	5.4	3.3	6.7	6.0	5.0	6.0	4.3
78 A04-1381	5.3	5.2	5.0	6.3	6.0	6.7	3.7	3.3
79 PST-K11-118	5.3	5.4	6.3	3.7	7.7	4.0	7.0	4.0
80 PST-K7-39	5.3	5.7	4.7	7.0	7.3	5.3	4.0	3.3
81 A04-40	5.2	5.0	5.7	5.3	6.3	4.7	6.7	5.3
82 Fullback	5.2	5.7	5.3	6.7	8.0	6.0	5.0	2.7
83 A06-40	5.2	5.4	5.0	5.7	6.7	5.0	5.7	4.7
84 Bewitched	5.2	5.3	2.0	7.0	7.3	7.0	5.7	4.7
85 Krypton	5.2	5.4	4.3	7.3	6.7	5.7	5.3	2.7
86 A98-879	5.2	5.0	5.3	6.0	7.3	5.0	6.3	4.0
87 PST-K10-110	5.2	5.5	5.0	7.3	9.0	5.7	6.0	3.7
88 A99-447	5.2	5.5	3.0	7.3	9.0	7.0	6.3	2.7
89 TD-5 JP08	5.2	5.5	6.0	5.7	8.7	5.0	3.0	2.7
90 PST-T10-20	5.2	5.8	5.3	4.3	7.3	6.3	4.7	2.3
91 PST-K10-112	5.2	5.3	5.0	5.0	8.3	4.3	7.0	4.0
92 A11-25	5.2	5.5	6.3	4.7	9.0	2.7	5.3	5.0
93 AKB1820	5.2	5.1	4.0	6.7	5.7	5.0	8.0	4.7
94 A04-1569	5.2	5.6	2.3	5.7	5.7	4.0	4.0	2.3
95 A98-1001	5.2	5.3	5.0	5.3	6.7	6.0	8.0	4.3
96 Prosperity	5.2	5.4	4.3	8.7	8.7	8.0	5.3	4.7
97 A11-34	5.1	5.2	6.0	5.7	7.0	5.7	5.7	4.3
98 Avid	5.1	5.2	2.7	7.3	8.0	6.7	6.0	6.0
99 P-105	5.1	5.3	2.0	6.3	8.7	7.7	3.3	3.0
100 A08-34	5.1	5.1	4.3	6.0	7.0	6.3	6.3	3.0

(Continued)

Table 5. Kentucky bluegrass turf trial, 2011 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² 24 April 2013	Genetic Color ³ 16 May 2013	Stemmi-ness ⁴ 16 May 2013	Leaf Spot ⁵ 4 June 2013	Dollar Spot ⁵ 16 Aug. 2013	Wear Quality ⁶ 23 Sept. 2013
	2012-2013 Avg.	2013 Avg.						
101 Babe	5.1	5.1	5.7	5.0	3.7	4.3	7.0	4.0
102 A11-52	5.1	5.3	2.3	7.3	9.0	7.3	5.7	4.3
103 H99-1653	5.1	5.5	6.3	4.0	9.0	5.3	4.7	3.3
104 A99-2897	5.1	5.5	4.0	7.0	8.7	7.0	7.7	3.0
105 Touche	5.1	5.6	6.3	3.7	8.3	5.3	4.0	3.3
106 A05-360	5.1	4.9	6.0	4.7	9.0	6.3	6.7	4.3
107 Rugby II	5.1	5.3	2.3	7.3	7.3	6.7	7.7	5.0
108 Emblem	5.1	5.2	4.3	9.0	9.0	7.7	7.0	3.7
109 A06-28	5.1	5.2	1.7	7.3	8.0	6.7	6.0	4.0
110 Empire	5.1	5.2	3.7	7.0	8.0	6.7	7.7	3.7
111 Juliet	5.1	5.7	6.3	3.7	8.3	5.7	4.7	3.7
112 A11-28	5.1	4.9	6.7	5.3	6.7	4.7	5.0	4.7
113 A11-37	5.1	4.7	6.0	5.7	7.3	5.3	6.7	5.3
114 Dauntless	5.1	4.8	6.3	4.3	6.7	4.7	5.0	5.3
115 A10-252	5.0	4.9	4.3	5.7	6.0	6.0	6.7	5.3
116 RAD-1776	5.0	4.8	5.7	4.3	5.0	5.0	6.3	4.0
117 Alpine	5.0	5.2	2.0	6.7	6.0	7.3	5.7	3.7
118 A11-32	5.0	4.7	6.7	5.7	5.7	6.0	4.0	4.0
119 A11-49	5.0	5.2	2.0	7.7	8.7	7.7	6.0	4.3
120 A98-3320	5.0	4.9	5.0	4.7	3.7	5.3	6.3	3.7
121 A04-338	5.0	5.2	3.7	6.3	7.3	6.3	6.3	4.3
122 A04-1474	5.0	5.8	1.7	6.7	5.3	3.3	3.3	2.7
123 SR 2284	5.0	5.2	5.0	6.7	3.3	6.3	6.7	4.3
124 A05TB-459	5.0	5.1	4.7	6.0	4.3	4.3	7.0	4.0
125 A03-37	5.0	5.0	6.7	4.7	8.7	5.0	6.7	4.0

(Continued)

Table 5. Kentucky bluegrass turf trial, 2011 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² 24 April 2013	Genetic Color ³ 16 May 2013	Stemmi-ness ⁴ 16 May 2013	Leaf Spot ⁵ 4 June 2013	Dollar Spot ⁶ 16 Aug. 2013	Wear Quality ⁶ 23 Sept. 2013
	2012 Avg.	2013 Avg.						
126 A05-342	5.0	5.3	4.3	6.7	4.7	5.0	7.7	5.0
127 PST-102-983	5.0	4.8	5.3	6.7	6.7	5.3	4.7	1.7
128 Zinger	5.0	5.0	5.7	6.0	7.3	4.3	6.7	4.0
129 PST-K9-96	5.0	4.9	5.7	4.7	7.0	3.0	7.0	5.3
130 PST-K11-121	5.0	4.6	5.3	6.0	7.7	5.3	7.3	3.7
131 H01-938	5.0	5.5	8.7	3.3	8.7	3.7	7.3	4.7
132 Longhorn	5.0	5.4	6.7	4.3	7.7	4.3	5.0	2.7
133 PST-T7-7	5.0	5.1	5.0	6.0	8.7	4.3	4.0	2.7
134 A98-1001	5.0	5.1	3.3	5.3	8.3	5.0	7.7	4.3
135 Mystere	5.0	4.8	7.0	4.7	6.7	4.0	8.3	4.0
136 A11-39	4.9	4.7	6.0	4.0	1.7	3.3	7.7	4.3
137 RAD-845	4.9	5.0	5.3	5.0	7.0	4.3	4.7	3.3
138 PST-109-996	4.9	4.9	7.0	5.7	8.3	6.3	4.3	3.3
139 Ridgeline	4.9	4.6	4.7	7.0	6.7	5.3	6.7	3.7
140 A04-1272	4.9	5.3	3.3	5.7	7.7	6.7	3.0	3.3
141 A04-38	4.9	4.6	6.0	5.7	7.3	4.7	6.7	4.3
142 A98-210	4.9	5.0	6.0	6.0	7.7	6.0	7.7	4.3
143 A09-231	4.9	4.8	6.3	5.0	8.7	5.3	6.0	4.0
144 A05-351	4.9	5.0	2.7	6.3	7.3	7.3	2.7	3.3
145 Bedazzled	4.9	4.9	4.0	5.3	6.3	6.7	7.3	4.3
146 4-Season	4.9	4.8	3.7	7.0	8.0	7.0	4.7	3.7
147 A11-43	4.9	4.8	5.7	5.7	7.3	5.0	5.3	4.3
148 A11-45	4.9	4.8	4.3	7.0	6.7	5.7	7.7	4.7
149 A11-50	4.9	5.3	2.0	7.3	7.7	6.3	6.0	5.0
150 A01-1106	4.9	5.3	4.7	6.7	8.0	7.7	5.7	3.3

(Continued)

Table 5. Kentucky bluegrass turf trial, 2011 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² 24 April 2013	Genetic Color ³ 16 May 2013	Stemmi-ness ⁴ 16 May 2013	Leaf Spot ⁵ 4 June 2013	Dollar Spot ⁶ 16 Aug. 2013	Wear Quality ⁶ 23 Sept. 2013
	2012-2013 Avg.	2013 Avg.						
151 A99-3122	4.9	4.6	4.0	6.7	5.0	5.7	5.7	3.7
152 A05-847	4.9	5.5	5.0	4.0	7.0	5.7	4.0	3.3
153 A05-322	4.9	5.2	3.7	4.7	6.3	5.0	7.0	4.0
154 A11-33	4.9	4.6	6.0	5.0	6.7	4.7	6.7	3.7
155 A11-36	4.9	4.8	5.3	5.3	6.3	5.3	6.0	4.3
156 PST-T10-21	4.9	5.1	7.0	5.7	8.7	6.0	5.0	2.7
157 A10-247	4.8	4.9	4.0	5.7	8.3	6.3	6.7	4.3
158 A10-238	4.8	4.9	3.7	7.0	5.3	5.0	8.0	4.0
159 PST-1QG-38	4.8	5.1	3.0	5.7	8.0	4.3	7.7	4.3
160 PST-T10-22-BS	4.8	5.0	7.3	5.7	9.0	4.7	4.3	3.0
161 A11-29	4.8	4.7	4.0	7.0	4.0	4.7	5.7	3.0
162 Unique II	4.8	4.8	4.3	6.3	1.3	4.7	8.0	3.0
163 A04-35	4.8	4.3	5.0	5.3	7.3	4.7	5.7	5.0
164 A05-925	4.8	5.0	5.3	4.3	5.3	3.0	6.7	4.3
165 AKB1812	4.8	4.5	4.0	6.3	4.3	4.3	8.0	4.7
166 A00-1002	4.8	5.0	3.0	6.3	5.0	4.7	6.3	4.3
167 PST-K9-104	4.8	4.4	4.7	8.0	7.0	8.0	7.0	4.3
168 A05-310	4.8	4.6	4.7	6.0	8.7	5.3	6.3	4.7
169 A05-313	4.8	4.5	4.7	5.3	5.0	4.7	7.3	5.0
170 RAD-121	4.8	4.5	7.3	5.3	7.3	5.0	6.3	5.0
171 PST-K11-119 Sw	4.8	5.1	5.0	3.3	7.0	6.0	3.3	3.0
172 A11-42	4.8	4.4	5.0	5.7	6.3	5.7	6.7	3.7
173 A04-1384	4.8	4.9	5.0	5.7	4.7	5.7	6.7	3.0
174 Avalanche	4.8	5.4	5.7	3.7	8.7	5.3	3.3	3.3
175 PST-T10-23	4.8	5.0	6.3	3.7	8.7	5.3	6.0	3.7

(Continued)

Table 5. Kentucky bluegrass turf trial, 2011 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² 24 April 2013	Genetic Color ³ 16 May 2013	Stemmi-ness ⁴ 16 May 2013	Leaf Spot ⁵ 4 June 2013	Dollar Spot ⁶ 16 Aug. 2013	Wear Quality ⁶ 23 Sept. 2013
	2012-2013 Avg.	2013 Avg.						
176 A11-44	4.8	4.9	5.0	5.7	5.7	5.0	6.3	3.3
177 Blackberry	4.8	4.4	5.0	6.3	3.7	4.0	7.0	4.0
178 PST-07S-176	4.8	4.9	4.7	6.3	8.7	4.7	2.3	2.3
179 Jump Start	4.8	4.7	6.0	5.7	8.0	6.3	5.3	3.0
180 PST-K11-120 Gr	4.8	4.5	4.7	5.3	9.0	6.0	3.3	3.0
181 A05-992	4.7	4.9	5.7	5.0	4.3	3.7	6.7	5.0
182 Champagne	4.7	4.7	5.7	4.3	5.0	4.0	5.3	4.3
183 Sonoma	4.7	4.6	4.0	6.0	6.7	5.7	7.3	4.7
184 SR2100	4.7	4.9	3.7	5.3	7.3	4.7	5.3	3.3
185 PST-K11-124	4.7	4.7	4.3	6.0	1.3	3.7	7.7	4.7
186 PST-K10-113	4.7	4.8	4.0	6.3	4.7	5.7	7.0	4.3
187 PST-K9-88	4.7	4.7	5.0	5.7	6.7	3.7	6.7	3.3
188 A05-297	4.7	4.9	2.3	7.3	7.7	6.7	7.0	3.3
189 STR 2278	4.7	4.8	3.3	6.0	5.3	4.0	7.7	4.7
190 A10-3	4.7	4.9	3.3	6.0	8.3	4.3	7.0	4.0
191 A01-1789	4.7	4.7	5.3	5.0	5.3	4.7	6.3	5.3
192 A05-347	4.7	4.7	2.3	7.0	6.7	6.0	7.7	3.0
193 TD-4 JP08	4.7	4.8	5.3	5.0	8.0	4.3	4.3	2.0
194 Blueberry	4.7	4.8	5.3	7.7	5.3	5.3	6.7	5.0
195 PST-104-208	4.7	4.5	5.3	5.3	2.7	4.7	4.7	2.0
196 A11-30	4.7	4.7	4.0	6.3	6.7	3.7	5.3	3.7
197 A11-38	4.7	5.1	6.0	4.7	9.0	4.7	2.3	3.3
198 A05-853	4.7	4.8	6.0	4.0	3.7	5.0	4.3	4.0
199 Bandera	4.7	5.0	3.3	6.0	6.0	5.3	4.0	3.3
200 A99-2031	4.7	4.8	3.3	7.3	6.3	5.7	5.0	4.3

(Continued)

Table 5. Kentucky bluegrass turf trial, 2011 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² 24 April 2013	Genetic Color ³ 16 May 2013	Stemmi-ness ⁴ 16 May 2013	Leaf Spot ⁵ 4 June 2013	Dollar Spot ⁶ 16 Aug. 2013	Wear Quality ⁶ 23 Sept. 2013
	2012-2013 Avg.	2013 Avg.						
201 A04-1240	4.7	4.6	7.0	4.0	8.7	2.7	7.0	4.0
202 AKB719	4.7	4.6	3.3	6.3	7.3	5.7	5.3	4.0
203 STR 2485	4.7	4.3	6.3	4.0	8.3	4.0	5.3	3.3
204 Limousine	4.6	4.7	5.3	4.7	8.7	5.7	3.3	2.7
205 Argos	4.6	5.2	6.0	6.0	6.7	4.7	7.0	4.3
206 STR 23064	4.6	4.9	3.7	6.7	4.7	4.7	7.7	3.7
207 Milagro	4.6	4.6	5.0	5.0	3.3	4.0	7.3	4.0
208 A10-2	4.6	4.6	3.7	7.0	5.7	5.3	7.7	4.3
209 STR 2332	4.6	4.6	3.3	5.7	3.3	3.3	7.7	5.3
210 A11-46	4.6	4.3	4.0	6.3	2.0	4.0	7.7	3.0
211 PST-K8-77NO	4.6	4.7	2.7	7.0	4.0	5.7	4.7	3.0
212 A05-344	4.6	4.7	3.7	6.7	3.3	4.3	7.0	3.3
213 PST-K11-117G	4.6	4.8	4.3	6.3	3.0	3.7	7.3	4.3
214 PST-K11-116G	4.6	4.3	4.7	5.0	7.0	4.3	6.7	3.3
215 PST-K8-76NO	4.6	4.6	4.7	4.3	8.3	6.0	3.0	2.7
216 A07-377	4.6	3.7	2.3	5.0	1.0	3.3	2.3	1.3
217 H02-607	4.6	4.8	4.0	6.7	4.3	6.7	5.3	3.7
218 Concerto	4.6	4.9	6.0	4.7	4.3	4.0	6.7	3.0
219 PSG 2677	4.6	5.0	6.0	5.7	4.3	5.3	6.3	4.3
220 A99-3110	4.5	4.8	3.3	7.0	3.7	4.0	7.3	2.3
221 Rubicon	4.5	4.4	5.7	5.3	7.7	6.3	5.0	2.7
222 A08-2	4.5	4.6	4.7	6.7	7.0	4.7	5.7	3.7
223 A99-2026	4.5	4.5	1.7	7.0	5.7	5.3	6.3	2.7
224 Fielder	4.5	5.1	5.7	6.3	3.3	4.7	5.0	3.7
225 PST-K11-128	4.5	4.6	5.7	7.0	4.7	5.3	6.7	3.7

(Continued)

Table 5. Kentucky bluegrass turf trial, 2011 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² 24 April 2013	Genetic Color ³ 16 May 2013	Stemmi-ness ⁴ 16 May 2013	Leaf Spot ⁵ 4 June 2013	Dollar Spot ⁶ 16 Aug. 2013	Wear Quality ⁶ 23 Sept. 2013
	2012-2013 Avg.	2013 Avg.						
226 PST-K8-66	4.5	3.9	5.1	6.7	3.0	3.3	7.7	3.3
227 A11-35	4.5	4.5	4.5	4.3	8.7	5.7	6.0	4.7
228 A04-1477	4.5	4.5	4.4	4.0	5.7	4.3	7.0	4.3
229 Guinness	4.5	4.3	4.7	5.7	5.0	4.7	4.3	3.0
230 STR 2509	4.5	4.3	4.7	5.7	8.0	3.7	6.7	4.7
231 A06-47	4.5	4.1	4.8	6.3	7.7	6.3	8.0	3.7
232 RAD-1405	4.5	4.4	4.5	3.7	7.7	4.7	7.0	5.3
233 A01-881	4.5	4.2	4.7	4.0	9.0	5.0	7.0	3.3
234 A06-1040	4.5	4.8	4.1	3.7	2.3	3.7	7.0	4.3
235 Rock Star	4.5	3.9	5.0	5.0	2.7	4.0	7.7	3.3
236 H03-556	4.5	4.5	4.4	4.0	9.0	6.0	5.0	3.7
237 PST-K8-64	4.5	4.4	4.5	6.0	1.7	3.7	6.0	2.7
238 A99-2328	4.4	4.2	4.6	6.7	8.0	6.3	7.0	3.3
239 PST-K9-101	4.4	4.5	4.3	6.3	4.3	5.0	5.3	3.0
240 Monte Carlo	4.4	4.3	4.5	6.0	7.0	5.0	8.0	4.7
241 Hampton	4.4	4.8	4.0	7.0	7.0	7.7	6.0	1.7
242 Spitfire	4.4	4.2	4.6	5.0	5.3	4.0	6.0	3.7
243 SR 2109	4.4	4.5	4.3	6.7	8.0	6.3	3.7	1.3
244 PST-K7-29	4.4	4.7	4.1	5.3	3.0	4.3	4.7	2.0
245 RSP	4.4	5.0	3.8	3.0	8.7	4.3	4.0	3.0
246 A03-26	4.4	5.1	3.7	2.7	9.0	4.3	3.3	3.7
247 PST-K8-60	4.4	4.3	4.4	4.7	2.0	3.0	7.7	4.0
248 A10-254	4.4	4.8	3.9	4.7	9.0	5.0	2.0	2.7
249 A06-663	4.4	4.5	4.3	3.3	4.3	4.7	5.3	4.0
250 A03-6	4.4	4.8	3.9	2.7	9.0	4.0	5.7	4.0

(Continued)

Table 5. Kentucky bluegrass turf trial, 2011 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² 24 April 2013	Genetic Color ³ 16 May 2013	Stemmi-ness ⁴ 16 May 2013	Leaf Spot ⁵ 4 June 2013	Dollar Spot ⁶ 16 Aug. 2013	Wear Quality ⁶ 23 Sept. 2013
	2012-2013 Avg.	2013 Avg.						
251 Gaelic	4.4	4.2	6.7	4.7	5.0	5.0	5.0	3.0
252 RAD-1791	4.4	4.6	4.3	6.0	5.0	5.0	5.7	3.3
253 PST-T10-27	4.4	4.3	5.3	5.3	2.0	3.0	7.7	3.0
254 PST-A07-393	4.4	4.3	4.0	6.7	3.0	5.3	6.3	2.3
255 A03-5	4.4	5.1	8.3	3.0	9.0	3.7	4.7	4.3
256 A04-1315	4.4	4.4	4.3	5.3	7.0	6.0	3.7	1.7
257 STR 2553	4.3	4.1	3.7	6.0	6.7	3.3	7.7	4.3
258 A10-741	4.3	4.2	5.7	3.0	7.3	4.0	7.7	5.3
259 Bordeaux	4.3	4.4	4.0	5.3	2.7	3.7	6.3	3.7
260 3925	4.3	4.4	3.0	7.3	6.7	5.0	6.0	2.7
261 PST-K8-61S	4.3	4.2	4.0	5.7	4.3	4.7	4.7	3.3
262 A99-3193	4.3	4.1	5.7	6.3	4.0	5.3	7.3	3.7
263 Noble	4.3	4.3	2.0	6.7	6.7	5.0	7.0	4.0
264 A09-353	4.3	4.3	3.3	6.0	4.0	6.3	3.7	1.7
265 Bonaire	4.3	4.0	5.7	5.3	3.7	4.0	6.7	3.3
266 A05-999	4.3	4.4	6.0	5.7	8.3	6.7	4.7	3.3
267 3725	4.3	4.2	3.7	8.0	6.7	5.3	2.7	2.3
268 A04-1547	4.3	4.2	3.7	3.7	8.0	5.7	6.3	4.3
269 Ulysses	4.3	3.9	5.7	5.7	7.0	4.7	4.7	3.3
270 A06-661	4.2	4.1	4.3	3.7	4.0	3.7	6.0	5.0
271 A06-604	4.2	4.3	1.3	5.7	5.7	5.0	3.0	2.0
272 America	4.2	4.1	4.0	6.0	5.7	5.3	4.3	3.7
273 A04TB-275	4.2	4.4	5.0	5.0	6.0	4.7	6.0	4.3
274 A06-3	4.2	4.0	4.7	6.7	4.0	4.0	7.3	3.7
275 GS-3-09	4.2	3.7	4.0	6.7	4.7	6.3	4.7	3.0

(Continued)

Table 5. Kentucky bluegrass turf trial, 2011 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² 24 April 2013	Genetic Color ³ 16 May 2013	Stemmi-ness ⁴ 16 May 2013	Leaf Spot ⁵ 4 June 2013	Dollar Spot ⁶ 16 Aug. 2013	Wear Quality ⁶ 23 Sept. 2013
	2012-2013 Avg.	2013 Avg.						
276 PST-K11-125	4.2	4.8	3.6	6.3	7.0	5.7	3.0	1.7
277 Full Moon	4.2	3.7	4.7	5.0	1.7	2.7	6.7	4.7
278 Kingfisher	4.2	4.1	4.2	5.7	6.3	5.0	4.7	2.7
279 Cheetah	4.1	4.3	4.0	4.7	8.0	3.7	4.0	3.3
280 A05-930	4.1	4.3	3.9	3.7	5.0	4.0	3.3	1.7
281 A09-258	4.1	4.4	3.8	3.3	9.0	4.0	4.0	4.0
282 Brooklawn	4.1	4.0	4.2	5.0	4.7	6.0	4.7	2.3
283 Touchdown	4.0	3.8	4.1	4.7	5.7	5.0	3.0	1.7
284 PST-102-965	4.0	4.1	3.9	3.3	7.7	4.0	2.7	1.0
285 PST-IG4-66	4.0	3.7	4.3	7.3	5.7	6.0	6.7	2.3
286 A06-658	4.0	4.2	3.7	4.7	8.0	4.3	3.0	2.0
287 RAD-8IH34	3.9	4.3	3.6	3.0	6.0	3.0	6.7	2.7
288 PST-K9-103	3.9	3.4	4.5	7.0	4.7	4.3	5.3	1.0
289 A04-1239	3.9	3.5	4.2	2.7	7.3	4.3	7.7	6.0
290 ARC	3.9	3.8	4.0	6.0	3.0	3.3	6.3	2.3
291 Orfeo	3.9	3.7	4.0	5.7	3.0	4.0	6.3	2.3
292 RAD-ADT 320	3.8	3.3	4.3	5.7	2.7	4.7	7.7	3.7
293 PST-IG4-68	3.8	3.4	4.2	6.3	4.7	5.7	6.7	2.7
294 2-09 KB	3.8	3.3	4.2	6.0	1.7	3.7	7.7	1.7
295 PST-K8-65	3.7	3.6	3.8	6.0	1.3	3.7	7.0	3.0
296 A06-6	3.7	3.1	4.2	6.7	4.3	4.3	7.0	3.0
297 H03-546	3.5	3.6	3.4	3.0	4.7	2.7	3.7	3.0
298 RAD-1216	3.0	2.2	3.9	5.3	3.0	3.3	7.3	4.3
299 Action	3.0	2.8	3.1	3.3	8.7	2.0	3.7	3.3
300 RAD-857	2.8	1.8	3.9	5.0	1.7	3.0	5.7	4.0

(Continued)

Table 5. Kentucky bluegrass turf trial, 2011 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----		Spring Green-up ² 24 April 2013	Genetic Color ³ 16 May 2013	Stemmi-ness ⁴ 16 May 2013	Leaf Spot ⁵ 4 June 2013	Dollar Spot ⁶ 16 Aug. 2013	Wear Quality ⁶ 23 Sept. 2013
	2012-2013 Avg.	2013 Avg.						
301 Boutique	2.4	1.2	5.3	5.0	3.0	2.7	6.3	4.0
302 RAD-197	1.9	1.2	4.0	6.3	2.3	2.7	7.0	2.3
LSD at 5%=	0.6	0.8	1.3	1.3	2.2	1.3	2.1	1.7

¹9 = best turf quality

²9 = earliest spring green-up

³9 = best genetic color

⁴9 = least amount of steminess

⁵9 = least disease

⁶9 = best wear quality

Table 6. Performance of Kentucky bluegrass cultivars and selections in a trial seeded in September 2012 at Adelphia, NJ.

Cultivar or Selection	Turf Quality ¹ 2013 Avg.	Establishment ² 18 Oct. 2012	Stermminess ³ 20 Sept. 2013
1 Quantum Leap	6.6	6.7	5.0
2 A10-280	6.6	6.7	7.7
3 A03-3	6.5	8.3	5.0
4 Impact	6.5	7.3	5.3
5 A00-1400	6.4	5.7	5.7
6 Midnight II	6.4	7.0	5.0
7 A99-2758	6.4	8.7	2.7
8 A10-249	6.3	5.7	6.7
9 Blue Velvet	6.3	6.3	4.7
10 Pick 033	6.3	8.0	5.7
11 A11-26	6.3	6.0	6.3
12 2683-10K	6.2	7.7	5.3
13 Award	6.2	6.7	4.7
14 A04-69	6.2	7.7	5.0
15 Blue Chip	6.2	6.7	5.0
16 PST-T10-17	6.2	7.3	5.7
17 A06-33	6.1	6.3	6.0
18 Midnight	6.1	7.7	5.7
19 GO-12R26-28	6.1	3.7	5.7
20 Freedom III	6.0	7.7	5.3
21 A00-4199	6.0	5.7	3.7
22 A05-361	6.0	8.0	4.3
23 Mercury	6.0	6.7	6.7
24 Right	6.0	6.7	5.7
25 A12-49	6.0	5.3	5.7
26 A03-1017	5.9	6.0	5.0
27 Hampton	5.9	7.7	5.0
28 Liberator	5.9	7.0	5.0
29 A12-30	5.8	5.3	6.3
30 A12-31	5.8	6.0	7.0
31 Diva	5.8	5.7	6.3
32 Fullback	5.8	5.7	5.0
33 PST-K10-111	5.8	5.0	5.7
34 A12-34	5.8	4.7	5.7
35 Everest	5.8	8.0	5.3

(Continued)

Table 6. Kentucky bluegrass turf trial, 2012 (continued).

Cultivar or Selection	Turf Quality ¹ 2013 Avg.	Establishment ² 18 Oct. 2012	Stermminess ³ 20 Sept. 2013
36 Nu Destiny	5.8	6.7	5.3
37 PST-K9-96	5.8	5.7	4.7
38 A12-38	5.8	5.7	5.7
39 A99-2897	5.8	6.7	5.3
40 Nuglade	5.8	7.3	5.3
41 PST-T10-18	5.8	6.0	6.3
42 A05-360	5.7	8.7	3.7
43 A10-1	5.7	6.3	5.7
44 Beyond	5.7	8.0	6.0
45 GO-12R24-25	5.7	4.3	5.0
46 PST-K11-127G	5.7	5.7	4.3
47 A04-74	5.7	7.0	5.3
48 A12-6	5.7	5.7	6.7
49 PST-K11-122	5.7	6.7	4.0
50 Sudden Impact	5.7	7.0	4.7
51 A12-37	5.7	5.7	6.0
52 NuBlue Plus	5.7	6.3	5.7
53 PST-K9-88	5.7	5.0	5.3
54 Solar Eclipse	5.7	7.3	5.7
55 A07-5	5.6	5.3	6.3
56 PST-K11-118	5.6	6.3	4.0
57 Rush	5.6	5.7	5.0
58 Mallard	5.6	6.0	5.3
59 PST-K11-117G	5.6	4.0	6.7
60 PST-K11-126	5.6	6.7	2.0
61 PST-K4-7	5.6	5.3	2.3
62 AKB-1820	5.5	6.0	5.7
63 Pick TD8	5.5	7.3	5.0
64 Rugby II	5.5	7.7	5.0
65 A12-11	5.5	5.0	5.7
66 A12-4	5.5	5.3	6.3
67 Armada	5.5	7.0	5.0
68 DDOKM	5.5	4.7	6.3
69 PST-K12-129	5.5	6.7	4.0
70 Washington II	5.5	6.3	7.0

(Continued)

Table 6. Kentucky bluegrass turf trial, 2012 (continued).

Cultivar or Selection	Turf Quality ¹ 2013 Avg.	Establishment ² 18 Oct. 2012	Sterminess ³ 20 Sept. 2013
71 A99-2031	5.4	5.7	6.3
72 PST-K10-107	5.4	4.3	4.0
73 GO-12R22B-23	5.4	3.7	5.0
74 Krypton	5.4	6.7	3.3
75 Prosperity	5.4	6.3	2.0
76 PST-K11-123	5.4	5.7	3.0
77 3-11 KB	5.4	7.0	3.7
78 A96-1338	5.4	6.0	6.0
79 CREST 5K-12	5.4	6.0	4.3
80 A12-7	5.3	7.0	5.0
81 BlueNote	5.3	5.0	4.3
82 DKH-KB	5.3	5.7	5.7
83 KB 4-11	5.3	6.7	5.0
84 Nobel	5.3	6.7	5.3
85 PST-T12-31	5.3	5.7	4.7
86 Touche	5.3	7.0	6.0
87 Granite	5.3	7.7	5.0
88 H99-1653	5.3	4.7	6.3
89 2109 5K	5.3	7.0	4.0
90 A05-312	5.3	6.3	4.7
91 A05TB-459	5.3	3.7	5.0
92 A07-783	5.3	6.3	4.7
93 A12-29	5.3	5.0	6.0
94 PST-K12-130	5.3	5.7	4.7
95 A08-2	5.2	6.0	6.0
96 A12-33	5.2	5.3	5.3
97 Ginney II	5.2	8.0	4.3
98 A12-1	5.2	6.7	5.3
99 A04-1381	5.2	5.3	3.8
100 A05-351	5.2	4.0	5.3
101 A12-5	5.2	6.0	5.3
102 A98-1001	5.2	5.0	5.0
103 RAD-1776	5.2	5.3	6.7
104 RAD-861	5.2	3.7	4.7
105 TD5-JP08	5.2	6.0	3.7

(Continued)

Table 6. Kentucky bluegrass turf trial, 2012 (continued).

Cultivar or Selection	Turf Quality ¹ 2013 Avg.	Establishment ² 18 Oct. 2012	Stermminess ³ 20 Sept. 2013
106 A12-52	5.1	4.7	6.7
107 H94-643	5.1	4.7	6.0
108 PST-K8-66	5.1	5.0	2.0
109 A09-231	5.1	6.0	3.3
110 A12-57	5.1	5.7	5.0
111 Shiraz	5.1	5.0	5.0
112 Wildwood	5.1	6.7	2.7
113 4-Season	5.1	5.0	4.3
114 A04-35	5.1	5.0	3.7
115 A05-342	5.1	5.0	4.3
116 A05-930	5.1	4.0	4.3
117 A09-353	5.1	6.3	3.0
118 A12-10	5.1	5.0	4.0
119 AKB-1812	5.1	5.3	5.3
120 Crest 5X-11	5.1	6.0	5.3
121 Everglade	5.1	6.7	5.3
122 Kingfisher	5.1	5.3	4.3
123 PST-K11-125	5.1	5.0	3.3
124 A05-940	5.0	4.3	6.0
125 PST-T10-27	5.0	3.3	5.3
126 A12-3	5.0	4.0	6.0
127 A12-56	5.0	4.3	6.0
128 Fahrenheit 90	5.0	4.7	4.7
129 STR 2553	5.0	6.0	5.0
130 P-105	5.0	4.7	5.3
131 Baron	4.9	6.7	4.7
132 Lunar	4.9	4.3	6.0
133 PST-K10-106D	4.9	6.7	3.3
134 PST-K12-133G	4.9	5.7	3.0
135 PST-K9-101	4.9	5.0	4.7
136 SR 2284	4.9	5.3	5.0
137 PST-T10-22-BS	4.9	4.3	2.3
138 A05-306	4.9	5.3	5.0
139 A05-853	4.9	4.3	4.3
140 A12-8	4.9	4.0	5.0

(Continued)

Table 6. Kentucky bluegrass turf trial, 2012 (continued).

Cultivar or Selection	Turf Quality ¹ 2013 Avg.	Establishment ² 18 Oct. 2012	Sterminess ³ 20 Sept. 2013
141 Arrowhead	4.9	6.3	4.7
142 Bewitched	4.9	6.3	4.0
143 PST-K12-132	4.9	4.7	3.7
144 Ridgeline	4.9	5.0	4.7
145 A04-387	4.8	6.3	4.0
146 Cabernet	4.8	7.3	3.0
147 PST-T10-28NO	4.8	6.0	5.0
148 A09-314-12OT	4.8	5.7	4.7
149 GO-12R8-12	4.8	4.0	4.3
150 Bandera	4.8	6.3	4.3
151 H01-938	4.8	5.0	5.3
152 RAD-926	4.8	3.3	4.7
153 366JP08-2	4.7	4.3	3.0
154 A12-2	4.7	5.3	4.7
155 Aries	4.7	5.3	3.3
156 SR 2109	4.7	8.0	4.0
157 Crest	4.7	5.7	4.7
158 A05-303	4.7	6.3	5.3
159 A07-377	4.7	3.7	6.0
160 RAD-1216	4.7	4.3	4.7
161 SPF 30	4.7	5.7	3.3
162 PSG 2677	4.6	6.7	2.0
163 PST-K9-99FR	4.6	6.3	3.0
164 A04-383	4.6	7.3	5.0
165 PST-K12-131	4.6	3.7	5.7
166 PST-K8-60	4.6	4.3	5.3
167 Volt	4.6	5.3	3.3
168 America	4.6	6.7	4.0
169 ARC	4.6	5.0	3.0
170 GS 3-09 KB	4.6	5.3	3.3
171 Prosperity	4.6	7.3	2.3
172 ORF 10K	4.6	5.5	2.5
173 A05-316	4.5	5.7	4.0
174 A06-671	4.5	6.0	3.7
175 A08-377	4.5	6.3	3.0

(Continued)

Table 6. Kentucky bluegrass turf trial, 2012 (continued).

Cultivar or Selection	Turf Quality ¹ 2013 Avg.	Establishment ² 18 Oct. 2012	Stermminess ³ 20 Sept. 2013
176 PST-K9-90	4.5	5.7	1.0
177 Unigue II	4.5	5.0	4.7
178 A04-1424	4.5	6.0	4.7
179 A09-353	4.5	6.7	3.3
180 Babe	4.5	5.0	5.0
181 Jumpstart	4.5	5.0	3.3
182 PST-K11-128	4.5	5.0	2.0
183 A07-378	4.4	4.7	3.7
184 A09-258	4.4	8.7	2.7
185 Milagro	4.4	7.3	2.7
186 PST-K12-134G	4.4	5.0	5.0
187 RAD-1733	4.4	5.3	3.3
188 A04-1271	4.4	6.7	4.0
189 A11-348	4.4	2.0	6.7
190 A12-9	4.4	5.3	5.7
191 PST-K11-124	4.4	6.0	2.0
192 PST-T12-30	4.4	5.0	4.3
193 7115P08-7	4.4	4.7	3.7
194 A05-999	4.4	3.0	4.7
195 Wildhorse	4.4	5.0	3.0
196 Champagne	4.3	5.7	3.3
197 Gaelic	4.3	5.0	4.0
198 PST-K10-110	4.3	4.3	4.0
199 Shannon	4.3	6.0	3.7
200 A12-26	4.3	5.3	3.3
201 PST-K11-120GR	4.3	4.7	2.7
202 KB 2-11	4.2	5.0	2.3
203 SPTR 2959	4.2	6.0	3.7
204 Zinfandel	4.2	6.0	3.7
205 PST-K8-76NO	4.2	4.3	4.3
206 Ulysses	4.2	4.3	3.3
207 A06-622	4.1	5.7	2.7
208 Bordeaux	4.1	4.7	3.0
209 A04-1260	4.1	3.3	5.3
210 A11-341	4.1	2.0	5.0

(Continued)

Table 6. Kentucky bluegrass turf trial, 2012 (continued).

Cultivar or Selection	Turf Quality ¹ 2013 Avg.	Establishment ² 18 Oct. 2012	Stemminess ³ 20 Sept. 2013
211 Guinness	4.1	5.0	3.3
212 Spitfire	4.1	7.3	4.7
213 A11-344	4.1	2.0	5.7
214 Touchdown	3.9	4.0	4.0
215 PST-K9-97	3.9	5.0	2.0
216 A06-30	3.8	2.0	3.3
217 PST-K109S	3.8	2.7	4.7
218 A06-643	3.7	4.7	2.0
219 2-09 KB	3.7	5.0	2.0
220 Action	3.6	5.0	3.7
221 Cadet	3.6	7.0	2.3
222 A11-349	3.4	2.3	2.0
223 PST-K9-103	3.4	4.0	1.3
224 Camas	3.0	5.0	2.3
225 GO-12R5-7	2.3	3.3	2.0
226 RAD-1214	1.1	1.0	4.3
227 RAD-860	1.1	1.0	3.3
LSD at 5%=	0.7	1.4	1.5

¹9 = best turf quality

²9 = best establishment

³9 = least stemminess

Table 7. Performance of Kentucky bluegrass cultivars and selections in a low maintenance turf trial seeded in September 2012 at North Brunswick, NJ.

Cultivar or Selection	Turf Quality ¹ 2013 Avg.	Establishment ² 19 Nov. 2012
1 A10-280 TBH	7.2	5.3
2 Pick 033	7.1	6.3
3 A04-383	7.0	6.3
4 Solar Eclipse	6.7	5.7
5 A12-38	6.7	6.3
6 Midnight	6.6	5.3
7 Diva	6.6	5.0
8 Liberator	6.5	6.0
9 Legend	6.5	5.3
10 A03-3	6.5	5.3
11 STR 2553	6.4	6.0
12 A96-1338	6.4	5.7
13 Beyond	6.3	5.7
14 DDOKM	6.3	5.3
15 Blue Chip	6.3	6.0
16 A99-2897	6.3	5.7
17 A03-1017	6.3	6.0
18 A99-2031	6.3	4.7
19 Impact	6.2	6.0
20 A09-258	6.2	6.7
21 2683-10K	6.2	6.0
22 A04-1260	6.2	6.3
23 Fahrenheit 90	6.1	5.0
24 Bewitched	6.1	5.3
25 Midnight II	6.0	5.7
26 A05-360	6.0	6.3
27 NuDestiny	5.9	6.0
28 GO-12R24-25	5.9	4.3
29 T10-18 TBH	5.9	5.7
30 Granite	5.9	5.7
31 A10-249	5.9	5.0
32 A06-33	5.9	5.0
33 Award	5.8	5.7
34 Blue Note	5.8	6.0
35 A98-1001	5.8	6.0

(Continued)

Table 7. Kentucky bluegrass low maintenance turf trial, 2012 (continued).

Cultivar or Selection	Turf Quality ¹ 2013 Avg.	Establishment ² 19 Nov. 2012
36 K11-118	5.8	6.3
37 Right	5.8	5.7
38 Rush	5.8	6.3
39 Diva	5.8	6.7
40 Unique II	5.8	5.3
41 Mercury	5.8	6.3
42 AKB 1820	5.8	5.0
43 A04-69	5.8	5.3
44 A05-853	5.8	6.0
45 Quantum Leap	5.7	5.0
46 DKH	5.7	5.0
47 AKB 1812	5.7	5.3
48 Everest	5.6	6.0
49 A07-783	5.6	5.3
50 Gaelic	5.6	5.7
51 Nobel	5.6	5.3
52 Prosperity	5.6	5.0
53 K10-111	5.6	5.3
54 SR2284	5.6	5.3
55 Bewitched	5.6	5.3
56 GO-12R8-12	5.5	5.0
57 GO-12R26-28	5.5	5.3
58 K12-129	5.5	8.0
59 A11-26	5.5	6.3
60 Ariel	5.4	6.7
61 Hampton	5.4	6.7
62 Blue Velvet	5.4	4.7
63 A09-314-120T	5.4	5.3
64 A00-4199	5.4	5.7
65 NuGlade	5.3	5.3
66 Fullback	5.3	5.0
67 A12-10	5.3	6.3
68 A05-303	5.3	6.0
69 A12-37	5.3	5.7
70 GO-12R22B-23	5.3	5.0

(Continued)

Table 7. Kentucky bluegrass low maintenance turf trial, 2012 (continued).

Cultivar or Selection	Turf Quality ¹	Establishment ²
	2013 Avg.	19 Nov. 2012
71 Babe	5.3	6.3
72 A05-316	5.3	5.0
73 A12-36	5.3	4.3
74 A12-40 TBH	5.3	2.3
75 A05-853	5.3	5.3
76 A08-2	5.2	5.0
77 A99-2758	5.2	6.0
78 Ginney II	5.1	6.0
79 H99-1653	5.1	6.3
80 K9-96	5.1	6.3
81 Touche	5.1	6.0
82 A12-7	5.1	6.3
83 A12-34	5.1	4.0
84 H06-596	5.1	6.7
85 H06-671 TBH	5.1	5.3
86 Washington II	5.0	6.0
87 Wildhorse	5.0	5.0
88 Ridgeline	5.0	5.3
89 A12-5	5.0	6.3
90 A09-231	5.0	4.7
91 A04-1271	4.9	7.0
92 Mallard	4.9	5.0
93 T10-22-BS TBH	4.9	7.0
94 A12-3	4.9	5.7
95 Freedom III	4.8	5.7
96 A04-74	4.8	5.3
97 3-11	4.8	5.3
98 A07-378	4.8	5.7
99 Sudden Impact	4.8	5.7
100 A05-342	4.8	5.7
101 K11-126	4.8	5.7
102 A12-2	4.8	6.3
103 A05-312	4.8	6.3
104 A12-26	4.8	5.7
105 A12-33	4.8	5.0

(Continued)

Table 7. Kentucky bluegrass low maintenance turf trial, 2012 (continued).

	Cultivar or Selection	Turf Quality ¹ 2013 Avg.	Establishment ² 19 Nov. 2012
106	A04-35	4.8	5.3
107	Wildwood	4.7	5.3
108	Prosperity	4.7	4.7
109	Jump Start	4.7	6.0
110	A04-1381	4.7	5.7
111	A12-6	4.7	5.3
112	A12-30	4.7	5.3
113	K10-106D	4.6	6.3
114	K10-107	4.6	6.3
115	America	4.6	5.7
116	A12-32	4.6	4.7
117	A12-35	4.6	5.0
118	NuBlue Plus	4.5	4.7
119	K11-123	4.5	6.0
120	Crest	4.5	4.3
121	KB 4-11	4.5	5.7
122	06-10005 Pasul Prislop	4.5	6.0
123	Volt	4.4	5.7
124	K8-66	4.4	6.0
125	Krypton	4.4	4.7
126	Arc	4.3	6.7
127	K10-110	4.3	4.7
128	Armada	4.3	6.7
129	P-105	4.3	5.3
130	Zinger	4.3	6.0
131	K4-7	4.3	5.7
132	SPTR 2959	4.3	5.3
133	A12-28	4.3	6.0
134	A12-57 TBH	4.3	6.0
135	Rugby II	4.2	6.0
136	K11-122	4.2	5.3
137	Baron	4.2	6.0
138	A12-8	4.2	5.7
139	H94-643	4.2	5.0
140	K9-97	4.1	5.3

(Continued)

Table 7. Kentucky bluegrass low maintenance turf trial, 2012 (continued).

Cultivar or Selection	Turf Quality ¹	Establishment ²
	2013 Avg.	19 Nov. 2012
141 A09-353	4.1	6.7
142 Crest 5K-11	4.1	4.7
143 A12-9	4.1	7.0
144 A06-30	4.1	4.0
145 Arrowhead	4.0	6.0
146 H01-938	4.0	6.0
147 RAD-1776	4.0	6.3
148 Lunar	4.0	6.0
149 7115P08-7	4.0	5.0
150 A12-1	4.0	5.7
151 A12-55 TBH	4.0	5.0
152 Everglade	3.9	6.3
153 Guinness	3.9	5.3
154 SPF 30	3.9	4.0
155 A09-353	3.9	6.7
156 A11-348 TBH	3.9	5.0
157 A08-377	3.9	5.7
158 Champagne	3.8	6.3
159 Shannon	3.8	6.0
160 RAD-861	3.8	3.3
161 K12-132	3.8	6.3
162 K12-133G	3.8	5.3
163 Pick TD8	3.8	5.3
164 A12-49 TBH	3.8	5.0
165 Zinfandel	3.8	5.3
166 Bandera	3.8	5.0
167 T12-31 TBH	3.7	6.0
168 Bordeaux	3.6	5.7
169 Cabernet	3.6	6.3
170 K11-117G	3.6	4.3
171 K11-125	3.6	5.0
172 K11-124	3.6	6.0
173 Crest 5K-12	3.6	5.0
174 PSG 2677 TBH	3.6	6.3
175 A12-27	3.6	5.7

(Continued)

Table 7. Kentucky bluegrass low maintenance turf trial, 2012 (continued).

Cultivar or Selection	Turf Quality ¹ 2013 Avg.	Establishment ² 19 Nov. 2012
176 A12-39 TBH	3.6	3.3
177 A12-50 TBH	3.6	3.0
178 A12-53 TBH	3.6	3.7
179 4-Season	3.5	4.7
180 K9-101	3.5	4.0
181 Milagro-108S	3.5	6.3
182 T10-17 TBH	3.5	6.3
183 T10-28NO TBH	3.5	6.3
184 A05-361	3.5	5.3
185 K9-90	3.4	4.0
186 A06-671	3.4	7.0
187 A05TB-459 TBH	3.4	4.0
188 A12-29	3.4	6.0
189 A07-377	3.3	4.0
190 K11-120GR	3.3	5.7
191 A05-351	3.3	5.0
192 A12-48 TBH	3.3	3.7
193 A12-54 TBH	3.3	4.3
194 A04-1242	3.3	6.7
195 Shiraz	3.3	5.0
196 K8-60	3.3	3.0
197 K9-99FR	3.3	5.7
198 Touchdown	3.3	5.0
199 A12-31	3.3	5.3
200 A06-643	3.1	5.3
201 GS 3-09	3.1	5.7
202 Kingfisher	3.1	4.7
203 A11-349 TBH	3.1	2.7
204 A05-940	3.1	5.3
205 A07-5	3.1	5.7
206 K11-127G	3.0	4.7
207 SR2109 5K	3.0	5.7
208 ORF-10K	3.0	5.7
209 A12-4	3.0	5.3
210 SR2109	2.9	6.3

(Continued)

Table 7. Kentucky bluegrass low maintenance turf trial, 2012 (continued).

Cultivar or Selection	Turf Quality ¹ 2013 Avg.	Establishment ² 19 Nov. 2012
211 A05-930	2.9	5.3
212 A12-42 TBH	2.8	2.3
213 A12-56 TBH	2.8	4.0
214 K8-76NO	2.8	6.3
215 K10-109S	2.8	5.3
216 K9-88	2.8	4.7
217 T10-27 TBH	2.8	4.3
218 Action	2.7	6.0
219 K9-103	2.7	6.3
220 2-09 KB	2.7	5.0
221 Ulysses	2.7	5.7
222 Cadet	2.6	5.7
223 A05-999	2.6	5.7
224 A12-47 TBH	2.6	3.7
225 A06-622	2.6	5.3
226 A11-341 TBH	2.5	3.3
227 A12-44 TBH	2.5	3.3
228 A05-930	2.4	4.7
229 RAD-1216	2.4	2.7
230 RAD-860	2.4	3.3
231 Spitfire	2.4	5.3
232 KB 2-11	2.4	5.0
233 RAD-1733	2.3	5.3
234 TD 5-JP08	2.3	5.7
235 A12-45 TBH	2.3	2.7
236 T12-30 TBH	2.3	5.0
237 A12-51 TBH	2.3	3.0
238 A12-58	2.3	4.3
239 RAD-1214	2.2	1.7
240 K12-134G	2.2	5.3
241 A11-344 TBH	2.2	3.7
242 A12-41TBH	2.2	3.0
243 A12-52 TBH	2.2	4.7
244 366JP08-2	2.1	4.3
245 A12-11	2.1	6.3

(Continued)

Table 7. Kentucky bluegrass low maintenance turf trial, 2012 (continued).

Cultivar or Selection	Turf Quality ¹ 2013 Avg.	Establishment ² 19 Nov. 2012
246 Camas	2.0	5.0
247 RAD-926	2.0	3.3
248 GO-12R5-7	1.9	5.0
249 A12-43 TBH	1.7	2.3
250 A12-46 TBH	1.5	3.0
LSD at 5% =	1.5	1.3

¹9 = best turf quality

²9 = best establishment

Table 8. Yearly nitrogen (N) applied and mowing height (Ht) on Kentucky bluegrass and Texas bluegrass hybrid tests established at Adelphia and North Brunswick, NJ.

	2010		2011		2012		2013	
	N ¹	Ht ²	N	Ht	N	Ht	N	Ht
Table 1 (2009 Adelphia CTBT)	4.5	1.5	3.00	1.5	3.00	1.5	2.25	1.5
Table 2 (2009 Adelphia).....	4.0	1.5	3.00	1.5	3.00	1.5	2.25	1.5
Table 3 (2010 Adelphia).....			2.25	1.5	3.00	1.5	3.00	1.5
Table 4 (2011 Adelphia NTEP)			4.50	1.5	3.75	1.5	3.00	1.5
Table 5 (2011 Adelphia).....			4.50	1.5	3.75	1.5	3.00	1.5
Table 6 (2012 Adelphia).....							3.00	1.5
Table 7 (2012 North Brunswick, low maintenance)							1.50	3.0

¹Annual N applied (lb/1000 ft²)

²Mowing height in inches