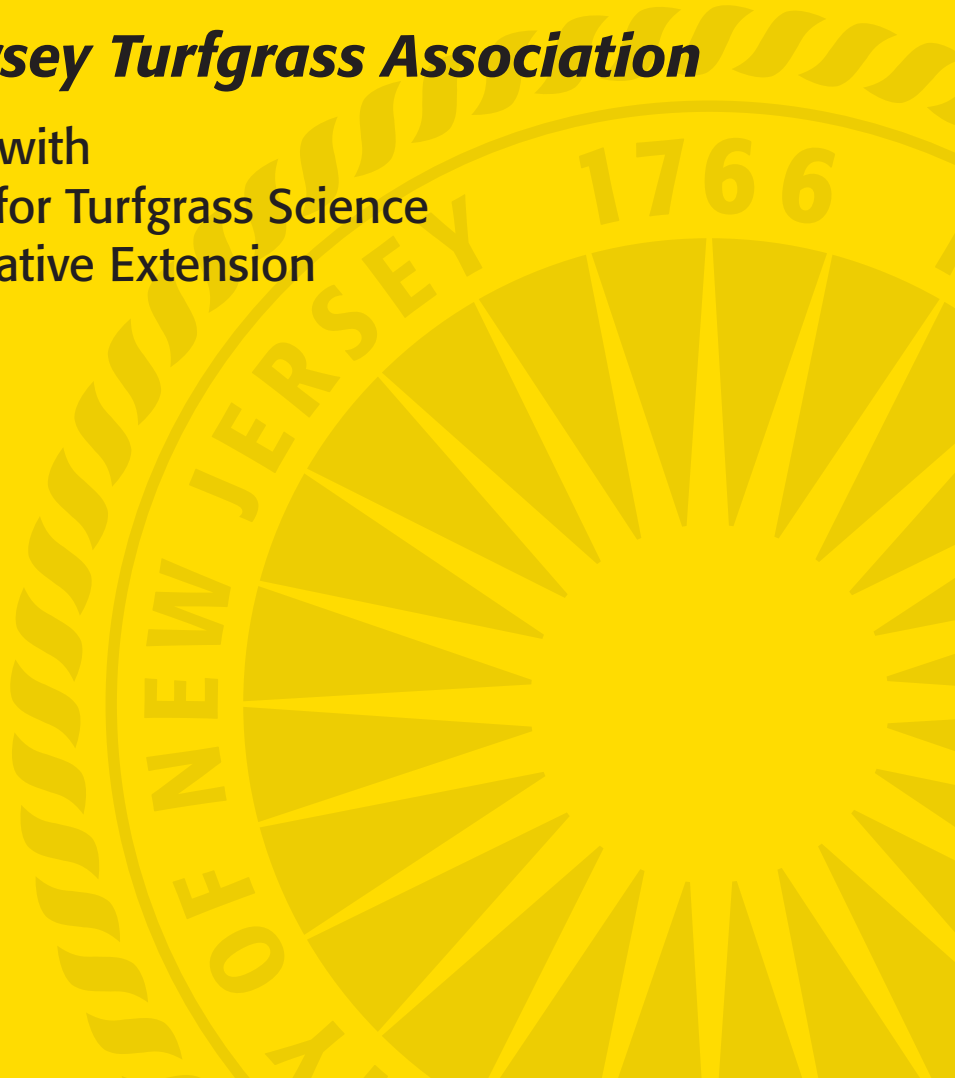
RUTGERS

New Jersey Agricultural
Experiment Station

2007
Turfgrass Proceedings

The New Jersey Turfgrass Association

In Cooperation with
Rutgers Center for Turfgrass Science
Rutgers Cooperative Extension



2007 RUTGERS TURFGRASS PROCEEDINGS

of the

New Jersey Turfgrass Expo
December 4-6, 2007
Trump Taj Mahal
Atlantic City, New Jersey

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 2007 New Jersey Turfgrass Expo. 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 and Marlene Karasik for administrative and secretarial support.

Dr. Ann Brooks Gould, Editor
Dr. Bruce B. Clarke, Coordinator

PERFORMANCE OF KENTUCKY BLUEGRASS CULTIVARS AND SELECTIONS IN NEW JERSEY TURF TRIALS

Robert R. Shortell, William K. Dickson, Ronald F. Bara, Dirk A. Smith, Melissa M. Wilson, Eric N. Weibel, Tracy J. Lawson, Joseph B. Clark, James A. Murphy, Stacy A. Bonos, and William A. Meyer[1]

Kentucky bluegrass (*Poa pratensis* L.) is one of the most widely used cool-season turfgrasses in the northern United States and Canada. Kentucky bluegrasses can develop dense stands of dark green turf with clean mowing quality in a wide range of soils and climates. The extensive rhizome system of this turfgrass provides excellent sod strength as well as the ability to recuperate after stress periods and fill in damaged areas quickly. As a result, Kentucky bluegrass is used extensively for soil stabilization and conservation, forage, and turf. Kentucky bluegrass is utilized on more than 35 million acres of pastures and on over 40 million lawns in the northeastern and northcentral United States, as well as in large areas of Canada and Europe (Duell, 1985).

Kentucky bluegrass topped the list of fairway grasses for golf courses in temperate climates during the early 1900s. However, after fairway mowing heights were reduced below 0.75 inch, Kentucky bluegrass was not competitive against invasion of annual bluegrass (*Poa annua* L.) and was more susceptible to summer patch (caused by the fungus *Magnaporthe poae*) (Dernoeden, 1997). These weaknesses, along with slow establishment rates, reduced the popularity of Kentucky bluegrasses for fairways, especially as improved perennial ryegrasses (*Lolium perenne* L.) and creeping bentgrasses (*Agrostis stolonifera* L.) became available. The recent pandemics of gray leaf spot (caused by the fungus *Pyricularia grisea*), resulting in severe damage of perennial ryegrass fairways on golf courses, has renewed the interest in use of Kentucky bluegrass for roughs and fairways among some turf professionals. Novel methods of annual bluegrass control in Kentucky bluegrass turf stands are currently under investigation, which could potentially increase the overall utility of this species. Kentucky bluegrasses are also being tested throughout the country for tolerance to traffic and low mowing heights to determine which cultivars can tolerate current golf course fairway conditions.

Since Kentucky bluegrass reproduces through an asexual process called apomixis, improvements in cultivar performance is challenging. The advantage of apomixis is that it provides the opportunity to utilize hybrid vigor and to produce true-to-type seed from superior plants generation after generation. Over the past several decades more than 200 cultivars of Kentucky bluegrass have been released. Kentucky bluegrass cultivars have been developed through a number of approaches that include: i) selection of naturalized ecotypes or highly apomictic plants found in old pastures or turfs; ii) blending of highly apomictic single plants (called composites); and iii) selection of single, highly apomictic plants from breeding programs using intraspecific (within species) and interspecific (between species) hybridization.

Kentucky bluegrass can exhibit poor performance during the summer months, especially in the transition zone, due to heat and drought stress as well as insect and disease pressure. The Rutgers turfgrass breeding program is currently screening germplasm for improved root production under heat stress and is breeding new cultivars with improved summer stress performance. In addition, the program has been utilizing interspecific hybridization to improve summer stress tolerance. The breeding program is developing Texas bluegrass (*Poa arachnifera* Torr.) x Kentucky bluegrass hybrids to try to incorporate valuable traits from Texas bluegrass into Kentucky bluegrass.

Texas bluegrass, native to Texas and parts of Oklahoma, is a dioecious species that is more tolerant of heat and drought stress than Kentucky bluegrasses. Texas x Kentucky bluegrass crosses were made

[1]Graduate assistant, Turfgrass Research Farm Supervisor, Principle Laboratory Technician, Principle Laboratory Technician, Field Researcher IV, Field Researcher IV, Principle Laboratory Technician, Principle Laboratory Technician, Extension Specialist in Turfgrass Management, Assistant Professor, and Research Professor, respectively, New Jersey Agricultural Experiment Station, School of Environmental and Biological Sciences, Rutgers, The State University of New Jersey, New Brunswick, NJ 08901-8520.

as early as 1908 by George H. Oliver, who noticed a wide variation in first generation hybrids including plants that were more heat and drought tolerant and more productive than Kentucky bluegrass (Vinall and Hein, 1937). Hybrid evaluation for fertile, highly apomictic offspring with improved performance is currently underway at Rutgers. The breeding strategy of crossing female Texas bluegrass plants with Kentucky bluegrass could expand the adaptation of Kentucky bluegrass into transition zone areas where better heat and drought tolerance is needed. Decreased potable water sources and increased restrictions on water for amenities has increased demand for ecologically friendly "green" cultivars which require fewer inputs then other turfgrass species.

The Kentucky bluegrass improvement program at Rutgers involves extensive field evaluation of collections from the United States, Europe, and Asia, new material developed in the breeding program, as well as cultivars and selections developed by other breeders. Ongoing, international collection programs to turfgrass centers of origin have enhanced the diversity of germplasm incorporated into the Kentucky bluegrass hybridization program. This leads to a large number of new Kentucky bluegrass cultivars with novel traits. In addition, the turfgrass research program at Rutgers participates in the National Turfgrass Evaluation Program (NTEP), sponsored by the Beltsville Agricultural Research Center and the National Turfgrass Federation, Inc. This program coordinates nationwide testing of turfgrass cultivars and selections to determine performance across many environments where turfgrass can be grown.

PROCEDURES

Twelve trials were seeded in September from 2003 to 2006 at the Rutgers Horticultural Research Farm II in North Brunswick, NJ or the Rutgers Plant Biology and Pathology Research and Extension Farm at Adelphia, NJ (Tables 1 to 12). All tests were conducted under medium-high maintenance regimes. The soils at the two research farms are moderately fertile and well drained.

Entries in each test were sown by hand using a maximum of 0.53 oz of seed per 3 x 5 ft plot (2.2 lb/1000 ft^2). Each test was arranged in a randomized complete block design with three replications. Annual nitrogen (N) applied and mowing heights for each trial are presented in Table 13. The amount of N applied varied between tests to permit the evaluation of characteristics known to respond to N level. No single N application exceeded 0.75 lb/1000 ft^2. Mowing was frequent enough to avoid scalping and the accumulation of clippings. Reel mowers were used to maintain a mowing height of 1.5 inches.

After establishment, annual weeds were controlled using a spring or fall application of Dimension (dithiopyr) or Bensumec (bensulide), and broadleaf weeds were controlled with a fall or spring application of 2,4-D, dicamba, or MCPP. In North Brunswick, Dylox (trichlorfon) was applied in July for billbug control. In both locations Merit (imidacloprid) was applied in August to control grubs. Soil pH was maintained between 6.0 and 6.5 with agricultural limestone, depending on soil test results. Tests were irrigated during establishment and also when needed to avoid severe drought stress.

All tests were rated frequently throughout the growing season for turf quality (components of quality include color, brightness, leaf texture, density, uniformity, and amount of disease and insect damage). Other characteristics were evaluated separately when differences became evident. These characteristics included spring green-up (Tables 3 to 10), seed head formation (Tables 3 to 5 and 7), leaf spot (Tables 5 and 9), establishment (Tables 11 and 12), worn turf quality (Tables 3, 4, and 8), color (Table 9), winter color (Tables 9 and 12), and tolerance to billbug feeding (Table 11). All ratings were based on a 1 to 9 scale, where 9 represented the most favorable turf quality or desirable turf characteristic. Ratings were conducted by a number of researchers throughout the season to reduce individual preferences toward a particular trait.

RESULTS

Results are presented in Tables 1 through 12. Entries are ranked according to their overall (multi-year) quality average. Additional characteristics observed in various tests are discussed below.

Spring Green-up

This trait is obvious during late winter or early spring and reflects the wide range of genetic diversity within Kentucky bluegrass (Tables 3 to 10). This trait is important in sports field situations where early green color is desired. Cultivars that greened up early in the season included Shiraz, Aura, Cabernet, Eagleton, Blue Note, and Brunswick. Cultivars that were

typically late to green up included Midnight, Bandera, Rhythm, Award, and Everest. Many of the cultivars and selections that are specifically adapted to New Jersey and the mid-Atlantic region, such as Cabernet, Eagleton, and RSP, typically have early spring green-up. Due to an increase in leaf elongation that occurs in response to increases in temperature and day length (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, including many of the compact type cultivars which are adapted to higher latitudes, need a more dramatic change in day length before spring growth is initiated.

Leaf Spot

Leaf spot (caused by the pathogen *Drechslera poae*) is a foliar disease that affects Kentucky bluegrass primarily under the cloudy, wet conditions of spring. Differences in tolerance to this disease were evident among many of the cultivars and selections tested (Table 9). Leaf spot is often associated with low carbohydrate levels in the leaf tissue. Cultivars that green up early in the spring use stored carbohydrates and can be more susceptible to leaf spot. A good example of this relationship can be seen in the cultivars Blue Angel and Kenblue (Table 9). Cultivars that green-up later often have more stored carbohydrates and are thus more tolerant of this disease (Smiley, 2005); Award, Everglade, and Midnight (Table 9) are good examples of this response. Some cultivars and selections with good resistance to leaf spot included Prosperity, Blueberry, Moon Beam, and Glenmont. Other cultivars and selections susceptible to leaf spot included Moon Struck and Reveille.

Establishment

Rapid establishment is important to consumers, sod-growers, and other turf managers who establish Kentucky bluegrass from seed. Kentucky bluegrass is one of the slowest cool-season grasses to establish a mature stand. Establishment can be influenced by factors such as genetics, seed quality, environment, management practices, and after-ripening dormancy. In 2007, cultivars that established rapidly in New Jersey included Mystere, Touche, Brilliant, Hunnington, and Ulysses. Fahrenheit 90, Showcase, and Princeton P-105, however, were slow to establish (Tables 11 and 12), which is more typical of this species. Caution should be exercised when interpreting seedling vigor and establishment of a given cultivar; after-ripening dormancy in newly harvested seed can significantly affect stand establishment. Other characteristics that affect establishment and seedling vigor include age of the seed, storage conditions, and environmental conditions at the time of seeding.

Generally, a dense stand is the first defense against weed encroachment. The faster the turfgrass stand can form a dense canopy the better its ability to form a high quality, weed-free canopy. Kentucky bluegrass cultivars that readily formed a dense turf stand in turf trials included Hunnington and Eagleton. Many Texas x Kentucky bluegrass hybrids had slower establishment rates as shown in Tables 11 and 12. The Rutgers turfgrass breeding program is working to improve this characteristic.

Worn Turf Quality

Kentucky bluegrass is used extensively for sports fields in the temperate areas of the world due to its ability to spread laterally through rhizomes. Rhizomes help the turf recover from traffic stress. As a result, the demand for traffic-tolerant Kentucky bluegrass has continued to increase with the increased use of sports fields, parks, golf courses, and other recreational areas (Park et al., 2005). Kentucky bluegrass is highly variable in its ability to withstand and recuperate from traffic. Worn turf quality can be used to assess turf performance under wear. Cultivars and selections that were wear tolerant included Bewitched, Aura, and Cabernet; poor performance was evident in Sonic, Brunswick, Wild Horse, and many Texas x Kentucky bluegrass hybrids (Tables 3, 4, and 8).

Color

Genetic color is a readily observed characteristic of Kentucky bluegrass that demonstrates the broad genetic diversity that exists within the species. Many professional sod growers, landscapers, and consumers are interested in the intensity of a cultivar's green color during the growing season (Tables 9 and 12). Cultivars that were darker green during the growing season included Prosperity, Emblem, and Blueberry, whereas others with lighter green appearance included Washington, Starburst, and Cabernet (Table 9).

Winter Color

Cultivars and selections vary in their retention of green color during the winter months. Cultivars that retained their green color after hard frosts included

Mystere, Bewitched, and Denali. Those that turned a straw color included Solar Eclipse, Award, and Impact (Tables 9 and 12).

Billbugs

The billbug (*Sphenophorus* spp.; Coleoptera: Curculionidae) is a serious pest of Kentucky bluegrass turf grown in New Jersey. Turf affected by billbugs will characteristically pull easily from the crown when a tug test is performed. Injury from billbugs often resembles that from drought or diseases, which likely results in an underestimation of the true damage these insects cause to the turf consumer. Kentucky bluegrass cultivars with resistance to billbug feeding included Hunnington, Mystique, and Bewitched (Table 11). Cultivars and selections with less tolerance, however, included Princeton P-105 and A00-2486.

Seed Heads

The formation of seed heads in a mowed turf setting is detrimental to overall turf quality. Turfs with this trait appear more open and stemy and playability is decreased. Seed head formation is also physiologically detrimental because carbohydrates are sent to areas of the turf canopy that are subsequently mowed away. The Kentucky bluegrass breeding program has identified cultivars (e.g., Midnight, NuDestiny, and Emblem) that form very few seed heads when maintained at 1.5 inches. This trait is still a problem for the species, however; in 2007 turf trails, SR 2284, Bordeaux, and Arrow formed seed heads to unacceptable levels (Tables 3 to 5, and 7).

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 under a broad range of conditions. Improved resistance to important disease and insect pests, heat, drought, close mowing, shade, and wear is needed in cultivars that are expected to perform well in many situations. One of the greatest challenges to date is the development of better adapted, high quality cultivars with high seed yields that are acceptable to commercial producers.

ACKNOWLEDGMENTS

New Jersey Agricultural Experiment Station Publication No. E-12180-1-08. This work was conducted as part of NJAES Project No. 12180, supported by the New Jersey Agricultural Experiment Station, State, and Hatch Act Funds, Rutgers Center for Turfgrass Science, other grants, and gifts. Additional support was received from the United States Golf Association, the National Turfgrass Evaluation Program, and the New Jersey Turfgrass Association.

REFERENCES

Dernoeden, P. H. 1997. The transition from perennial ryegrass to creeping bentgrass fairways for the Mid-Atlantic region. USGA Green Section Record 35:12-15.

Duell, R. W. 1985. The bluegrasses. Pages 188-197 *in*: M. E. Heath, R. F. Barnes, and D. S. Metcalfe, eds. Forages, The Science of Grassland Agriculture, 4th ed. Iowa State Univ, Press, Ames, IA.

Park, B. S., J. A. Murphy, W. A. Meyer, S. A. Bonos, J. Haan, D. A. Smith, and T. J. Lawson. 2005. Performance of Kentucky bluegrass within phenotypic classifications as affected by traffic. Int. Turfgrass Society Res. J. 10:618-626.

Parsons, A. J., and M. J. Robson. 1980. Seasonal changes in physiology of S24 perennial ryegrass (*Lolium perenne* L.). 1. Response of leaf extension to temperature during transition from vegetative to reproductive growth. Ann. Bot. 46:435-444.

Smiley, R. W., P. H. Dernoeden, and B. B. Clarke. 2005. Compendium of Turfgrass Diseases, 3rd ed. APS Press, St. Paul, MN.

Vinall, H. N., and M. A. Hein. 1937. Breeding miscellaneous grasses. Yearbook of Agriculture 1937. USDA, U.S. Gov. Printing Office, Washington, D.C.

Table 1. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2003 at Adelphia, NJ.

	Cultivar or Selection	Turf Quality[1] 2004-2007 Avg.	2004 Avg.	2005 Avg.	2006 Avg.	2007 Avg.
1	PST-101-389	5.8	5.9	5.5	6.2	5.7
2	Prosperity	5.6	6.1	6.0	5.1	5.1
3	Blueberry	5.5	4.9	5.6	5.9	5.7
4	Serene	5.5	5.9	5.9	5.3	5.2
5	PST-109-961	5.5	5.9	6.5	4.9	4.6
6	Midnight II	5.5	5.4	5.8	5.4	5.4
7	Blue-tastic	5.3	5.9	5.8	5.0	4.6
8	Blue-Rriffic	5.3	5.2	5.5	5.5	4.9
9	PST-1A2-53	5.2	5.5	5.4	5.4	4.7
10	NorthStar	5.2	5.3	5.9	5.0	4.6
11	Emblem	5.2	4.7	5.3	5.4	5.3
12	PST-102-46	5.2	5.3	5.4	5.2	4.7
13	Midnight	5.2	4.9	5.0	5.3	5.5
14	PST-102-360	5.2	5.0	4.9	5.3	5.4
15	PST-A0-32	5.1	5.1	4.8	5.3	5.1
16	PST-1A1-326	5.1	5.2	4.7	5.2	5.3
17	H99-384	5.1	5.2	5.3	5.1	4.7
18	PST-Y2K-31	5.0	4.8	5.0	5.2	5.2
19	PST-102-110	5.0	4.5	5.3	5.5	4.9
20	PST-102-145	5.0	4.7	5.3	5.1	5.0
21	Moonbeam	5.0	4.9	5.3	5.2	4.7
22	Midnight Star	5.0	4.7	4.9	5.6	4.7
23	Voyager II	5.0	5.4	5.5	4.4	4.6
24	PST-Y2K-132	5.0	4.9	4.6	5.3	5.1
25	Moonlight	5.0	5.4	5.4	4.6	4.4
26	PST-109-760	4.9	4.6	5.1	5.5	4.7
27	PST-101-98	4.9	5.5	4.4	5.0	4.8
28	Apollo	4.9	5.5	5.6	4.5	4.2
29	PST-1A2-888	4.9	4.5	4.8	5.5	4.8
30	A99LM-15 (TB x KB hybrid[2])	4.8	5.1	4.9	5.0	4.4
31	PST-109-1110	4.8	4.9	5.2	4.9	4.4
32	PST-102-21	4.8	4.7	5.0	5.0	4.5
33	PST-101-519	4.8	4.6	5.1	4.8	4.7
34	Blackstone	4.7	5.3	5.1	4.4	4.0
35	PST-102-349	4.7	4.2	4.4	5.4	4.9

(Continued)

Table 1 (continued).

	Cultivar or Selection	Turf Quality[1] 2004-2007 Avg.	2004 Avg.	2005 Avg.	2006 Avg.	2007 Avg.
36	Pp-23651	4.7	4.8	5.2	4.7	4.2
37	Unique	4.7	5.0	5.4	4.2	4.3
38	PST-102-371	4.7	3.8	5.3	5.0	4.6
39	H99-132	4.7	5.2	5.1	4.5	4.0
40	PST-1B7-166	4.6	4.9	5.0	4.4	4.3
41	PST-1A2-511	4.6	4.6	4.1	5.3	4.5
42	PST-109-285	4.6	5.3	4.9	4.3	4.1
43	PST-109-256	4.6	4.3	5.2	4.8	4.3
44	Moonshine	4.6	4.7	4.8	4.8	4.1
45	Brilliant	4.6	5.2	5.0	4.1	4.1
46	PST-102-427	4.6	4.6	4.8	4.8	4.3
47	PST-1QG-36	4.6	4.5	4.8	4.9	4.1
48	PST-102-390	4.6	4.2	4.6	4.7	4.7
49	A00TB-108 (TB x KB hybrid)	4.5	4.5	4.8	4.6	4.2
50	PST-102-354	4.5	3.9	4.7	4.9	4.7
51	PST-B5-114	4.5	5.0	4.3	4.3	4.3
52	PST-109-507	4.5	4.9	5.3	4.2	3.5
53	High Noon	4.5	4.6	4.2	4.8	4.5
54	PST-1A1-338	4.5	3.9	4.6	4.9	4.5
55	PST-102-1048	4.5	5.6	4.9	3.8	3.5
56	PST-1304	4.4	4.5	4.8	4.4	3.9
57	A00TB-101 (TB x KB hybrid)	4.4	4.6	4.7	4.7	3.7
58	Opti-Green	4.4	4.4	4.6	4.5	4.2
59	Blacksburg II	4.4	4.2	4.7	4.5	4.2
60	PST-102-524	4.4	4.6	4.4	4.4	4.2
61	PST-102-384	4.4	4.2	4.1	4.7	4.5
62	PST-102-388	4.3	4.3	4.3	4.6	4.1
63	PST-109-1060	4.3	4.2	5.0	4.3	3.9
64	PST-109-1122	4.3	3.9	4.3	4.6	4.4
65	PST-109-155	4.3	4.3	4.9	4.4	3.8
66	PST-102-1	4.3	3.8	4.0	5.0	4.2
67	PST-102-23	4.2	4.1	4.4	4.4	4.2
68	PST-102-158	4.2	3.9	4.9	4.4	3.8
69	PST-Y2K-186	4.2	4.2	3.9	4.4	4.3
70	PST-1A2-551	4.2	4.2	3.9	4.7	4.2

(Continued)

Table 1 (continued).

	Cultivar or Selection	Turf Quality[1] 2004-2007 Avg.	2004 Avg.	2005 Avg.	2006 Avg.	2007 Avg.
71	PST-109-210	4.2	4.2	4.4	4.1	4.0
72	PST-102-43	4.1	3.6	4.6	4.4	3.9
73	PST-1A2-517	4.1	4.5	4.0	4.4	3.5
74	PST-1A2-501	4.0	3.9	3.7	4.4	4.1
75	PST-102-159	3.9	3.2	4.3	4.2	3.9
76	PST-102-19	3.8	3.0	3.5	4.4	4.5
77	PST-102-26	3.8	4.2	4.0	3.4	3.8
78	PST-102-444	3.7	3.5	3.3	4.2	3.9
79	PST-102-1011	3.5	3.7	3.2	3.9	3.3
80	PST-102-542	3.5	4.3	3.5	3.5	2.8
	LSD at 5% =	0.6	1.1	0.9	0.7	0.7

[1]9 = best turf quality
[2]Texas x Kentucky bluegrass hybrid

Table 2. Performance of Texas x Kentucky bluegrass hybrid cultivars and selections in a turf trial seeded in September 2003 at Adelphia, NJ.

		Turf Quality[1]				
	Cultivar or Selection	2004-2007 Avg.	2004 Avg.	2005 Avg.	2006 Avg.	2007 Avg.
1	Langara (KB[2])	5.7	5.9	5.8	5.4	5.5
2	Midnight (KB)	5.6	5.7	5.7	5.4	5.4
3	A03TB-252	5.4	5.6	5.9	5.3	4.7
4	A03TB-258	5.2	5.5	6.4	4.9	4.2
5	A99LM-15	5.1	5.2	5.1	5.4	4.9
6	A02-949	5.0	4.9	5.2	5.3	4.4
7	Bandera	5.0	5.4	5.3	4.7	4.5
8	A99LM-15	4.9	4.7	5.2	5.2	4.7
9	Baron (KB)	4.7	5.2	4.8	4.5	4.2
10	PST-C-74 (KB)	4.6	4.7	5.3	4.3	4.3
11	A02-284	4.5	4.8	4.1	4.9	4.2
12	Brooklawn (KB)	4.5	4.6	4.4	4.8	4.2
13	A03TB-243	4.5	4.8	4.5	4.6	3.9
14	Eagleton (KB)	4.4	4.8	4.7	4.1	4.1
15	A03-247	4.3	4.4	4.4	4.5	3.9
16	A03-248	4.3	4.1	4.3	5.0	4.0
17	Blue Fusion	4.3	4.9	3.9	4.4	3.9
18	A02-947	4.2	4.1	4.8	4.3	3.8
19	A03TB-246	4.0	4.2	3.7	4.3	3.6
20	RSP	4.0	4.9	4.3	3.6	3.0
21	A99LM-18	3.9	4.2	3.7	4.4	3.3
22	A03TB-255	3.6	3.1	3.4	4.0	3.8
23	A03TB-254	3.5	3.6	2.9	3.8	3.8
24	02-29B	3.3	3.8	3.0	3.6	2.8
25	A02-972	2.9	2.8	2.6	3.3	3.0
26	A03TB-257	2.8	1.5	2.9	3.5	3.4
	LSD at 5% =	0.4	0.5	0.6	0.6	0.7

[1]9 = best turf quality
[2]Kentucky bluegrass standard

Table 3. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2004 at North Brunswick, NJ.

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Seed Heads[3] May 2007	Worn Turf Quality[4] Aug. 2007
1	Rhapsody	6.6	6.6	6.8	6.3	6.0	7.3	5.0
2	A04-49	6.5	5.6	6.7	7.3	5.3	8.7	7.3
3	A03-84	6.4	6.4	7.0	5.9	5.7	6.3	5.3
4	Bewitched	6.4	6.8	6.5	5.8	3.3	7.3	7.0
5	Aura	6.3	5.4	6.9	6.6	6.0	8.3	7.7
6	A04-69	6.2	6.1	6.5	6.2	5.3	8.7	5.3
7	A01-245	6.2	6.2	6.5	5.8	5.0	5.0	6.3
8	Diva	6.2	6.5	6.6	5.4	5.7	4.3	5.0
9	A01-299	6.1	5.8	6.5	6.0	4.7	7.7	6.3
10	A04-67	6.0	5.3	6.4	6.4	5.0	8.3	4.0
11	A04-74	6.0	6.2	6.1	5.6	3.3	5.3	5.0
12	Bedazzled	6.0	6.1	6.5	5.3	5.0	6.7	4.3
13	A99-2758	6.0	5.8	6.5	5.6	4.0	7.7	6.7
14	NuGlade	5.9	5.5	6.9	5.4	2.7	8.0	5.3
15	Cabernet	5.9	5.4	6.4	5.8	6.3	8.3	7.0
16	Washington	5.8	5.9	6.7	4.8	5.0	8.7	4.3
17	A98-210	5.8	5.6	6.1	5.7	5.0	5.3	5.3
18	A96-324	5.7	5.8	5.8	5.7	5.3	6.7	5.0
19	Bravado	5.7	5.7	5.8	5.7	6.0	7.0	5.3
20	A04-46	5.7	5.7	6.4	5.0	5.0	4.0	3.0
21	A04-66	5.7	5.5	5.5	6.1	4.3	7.3	5.7
22	A01-250	5.7	6.1	6.0	4.9	5.0	4.3	5.0
23	A99-2923	5.7	5.8	5.5	5.7	3.7	5.7	4.3
24	Eagleton	5.6	5.5	5.8	5.6	5.0	6.7	5.7
25	A99-523	5.6	6.0	5.7	5.2	5.0	5.3	4.7

(Continued)

Table 3 (continued).

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Seed Heads[3] May 2007	Worn Turf Quality[4] Aug. 2007
26	A04-68	5.6	5.4	5.8	5.7	4.3	8.3	6.0
27	H99-338	5.6	4.8	6.1	5.9	5.0	9.0	7.0
28	A01-324	5.6	5.7	5.7	5.4	5.0	6.3	4.0
29	A03-137	5.6	6.0	5.9	4.9	3.7	9.0	3.7
30	A99-3124	5.6	6.1	5.8	4.9	4.3	3.7	4.7
31	RSP	5.5	5.7	6.2	4.8	7.7	9.0	6.7
32	A04-36	5.5	5.3	6.0	5.2	5.3	6.3	4.0
33	A04-45	5.5	5.3	6.0	5.1	3.3	6.7	4.0
34	A04-71	5.5	5.2	5.3	5.8	4.0	8.0	4.3
35	A99-2352	5.4	5.3	5.6	5.4	4.3	5.0	5.3
36	A04-43	5.4	5.0	5.6	5.7	4.7	6.7	5.3
37	A99-2108	5.4	5.5	5.8	4.9	5.7	6.3	4.0
38	A97-1560	5.4	5.9	5.7	4.5	4.7	5.0	3.7
39	H94-467	5.4	5.5	5.9	4.8	7.3	9.0	7.3
40	A98-108	5.4	5.6	5.3	5.3	3.7	4.0	6.0
41	A04-38	5.3	5.5	5.5	5.1	4.7	4.0	4.0
42	A04-72	5.3	5.3	5.5	5.3	4.3	8.0	5.0
43	PST-C-74	5.3	5.8	5.6	4.6	4.3	5.0	4.0
44	A98-216	5.3	5.3	5.4	5.3	4.3	6.3	4.0
45	Princeton P-105	5.3	5.2	6.3	4.4	2.7	5.3	2.7
46	A01-247	5.2	5.7	5.4	4.6	3.7	4.7	5.0
47	A00-4199	5.2	4.7	5.9	5.2	3.0	4.0	6.0
48	A04-48	5.2	4.6	5.6	5.5	5.0	7.0	5.3
49	A04-37	5.2	5.2	5.6	4.7	5.3	5.7	3.3
50	A04-40	5.2	5.0	5.4	5.2	4.7	6.7	4.3

(Continued)

Table 3 (continued).

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Seed Heads[3] May 2007	Worn Turf Quality[4] Aug. 2007
51	A04-39	5.2	5.3	5.6	4.6	4.7	5.3	3.7
52	A04-23	5.2	5.5	5.3	4.7	3.3	5.3	2.3
53	A98-339	5.1	5.8	5.2	4.4	4.3	5.0	3.7
54	A99-2852	5.1	4.9	5.1	5.4	4.3	9.0	6.7
55	A04-35	5.1	5.3	5.4	4.7	5.3	4.7	4.0
56	A95-418	5.1	5.4	5.3	4.6	3.3	3.7	4.3
57	H01-492	5.1	4.4	5.6	5.4	6.0	9.0	6.7
58	A99-2933	5.1	5.5	5.1	4.6	4.0	4.0	3.7
59	A95-1048	5.0	5.7	4.8	4.6	3.7	5.3	3.7
60	A04-33	4.9	5.0	5.4	4.4	4.3	4.7	3.3
61	A04-63	4.9	4.3	5.5	4.8	4.7	7.3	5.3
62	A04-22	4.8	4.9	5.4	4.3	4.7	7.3	2.3
63	H01-912	4.8	4.0	5.6	5.0	5.3	7.0	5.0
64	A04-73	4.8	4.9	4.6	5.0	4.7	8.0	3.3
65	U-1885	4.8	4.1	5.1	5.2	6.7	9.0	6.7
66	Thorough-Blue	4.8	4.4	5.0	5.0	6.7	8.7	5.7
67	A98-689	4.8	4.8	5.0	4.5	5.0	5.0	4.0
68	H01-473	4.8	4.2	5.3	4.8	7.0	9.0	5.7
69	Sonic	4.7	4.7	5.2	4.3	6.0	9.0	3.7
70	A03-63	4.7	5.3	5.1	3.8	4.7	5.3	3.3
71	Brunswick	4.6	5.1	4.5	4.3	3.7	6.3	4.0
72	A97-959	4.6	4.7	5.0	4.1	4.3	5.3	3.3
73	Wild Horse	4.6	4.6	4.9	4.2	4.0	5.0	3.3
74	A04-32	4.6	4.7	4.7	4.2	5.3	4.7	3.3
75	A93-201	4.5	5.2	4.6	3.8	4.7	5.7	3.7

(Continued)

Table 3 (continued).

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Seed Heads[3] May 2007	Worn Turf Quality[4] Aug. 2007
76	A04-31	4.5	5.0	4.5	4.1	3.7	5.7	4.3
77	H04-88	4.5	4.9	4.3	4.1	3.7	3.7	4.0
78	U-2005	4.4	4.1	4.5	4.6	7.7	9.0	4.0
79	A04-51	4.4	4.6	4.8	3.8	3.3	8.0	1.7
80	Bonaire	4.4	4.7	4.6	4.0	4.0	5.0	3.0
81	A03TB-251 (TB x KB hybrid[5])	4.4	4.1	4.7	4.3	5.0	7.3	3.7
82	489-2	4.1	4.0	4.4	3.9	5.7	8.0	3.3
83	U-1807	4.0	3.9	4.1	4.1	7.0	8.7	3.3
84	A03TB-252 (TB x KB hybrid)	3.7	3.3	3.8	4.0	5.3	7.3	3.3
85	A02-976 (TB x KB hybrid)	3.5	3.4	3.8	3.3	3.3	6.0	2.7
86	A03TB-246 (TB x KB hybrid)	3.5	3.3	3.7	3.4	4.7	6.0	2.0
87	A02-947 (TB x KB hybrid)	3.3	2.3	3.5	4.0	4.3	6.7	3.7
88	A02-975 (TB x KB hybrid)	2.9	2.2	2.9	3.7	4.3	6.7	3.0
	LSD at 5% =	0.6	0.7	0.8	0.8	1.2	1.1	1.6

[1]9 = best turf quality
[2]9 = earliest spring green-up
[3]9 = least seed heads
[4]9 = best turf quality with wear (38 passes applied with novel wear simulator)
[5]Texas x Kentucky bluegrass hybrid

Table 4. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2004 at North Brunswick, NJ, Test 2.

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Seed Heads[3] May 2007	Worn Turf Quality[4] Aug. 2007
1	A03-3	6.2	5.7	6.5	6.3	6.7	7.7	7.3
2	Prosperity	6.0	7.0	6.1	4.9	4.3	8.3	5.3
3	A99-354	6.0	5.4	6.3	6.5	7.0	7.3	5.7
4	Diva	6.0	6.1	6.4	5.6	5.7	5.3	5.3
5	Rhapsody	6.0	6.3	6.0	5.7	6.7	7.3	6.7
6	Rhythm	5.8	5.6	6.4	5.4	5.0	8.3	5.7
7	Emblem	5.8	6.0	6.6	4.9	3.7	8.7	5.3
8	Touche	5.7	5.5	6.8	5.0	6.0	8.7	5.3
9	Moonbeam	5.7	6.0	5.8	5.4	3.3	8.7	5.0
10	A93-485	5.7	5.9	6.5	4.5	5.0	8.7	5.3
11	A97-1686	5.6	5.5	6.3	5.1	3.3	8.7	5.7
12	Midnight	5.6	6.4	6.3	4.2	3.0	8.7	4.3
13	A00-4135	5.6	5.5	6.0	5.3	3.3	5.7	6.3
14	A97-1560	5.6	6.1	5.5	5.1	4.7	4.3	6.0
15	PST-1QG-38	5.5	6.0	5.4	5.2	4.7	5.7	5.0
16	A01-299	5.5	5.8	5.7	5.0	4.3	7.0	5.0
17	Eagleton	5.5	5.7	5.4	5.3	5.0	7.7	6.3
18	SRX 003064	5.4	5.3	5.7	5.3	4.3	5.7	6.7
19	SRX 2U5	5.4	5.3	6.2	4.7	5.3	7.3	5.3
20	H94-305	5.4	4.9	5.6	5.6	7.0	8.7	6.7
21	A99-2108	5.4	5.3	5.5	5.4	7.3	6.0	5.3
22	A01-250	5.3	5.7	5.2	4.9	4.3	4.7	6.3
23	PST-109-285	5.3	5.4	5.3	5.1	5.0	6.3	5.7
24	H94-707	5.3	5.3	5.9	4.7	4.0	7.0	4.0
25	A99-2377	5.2	5.8	5.7	4.2	3.3	3.3	4.3

(Continued)

Table 4 (continued).

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Seed Heads[3] May 2007	Worn Turf Quality[4] Aug. 2007
26	A95-1048	5.2	5.5	4.9	5.3	5.3	5.3	5.7
27	A97-1481	5.2	5.9	5.0	4.6	4.0	4.3	5.7
28	A98-233	5.2	5.8	5.2	4.5	3.0	5.3	3.3
29	Julia	5.1	5.1	5.6	4.5	5.7	6.0	4.7
30	SR 2109	5.0	5.4	6.3	3.4	4.0	8.3	4.0
31	Bandera (TB x KB hybrid[5])	5.0	5.3	5.3	4.5	5.0	3.3	6.0
32	Julius	5.0	5.0	6.0	4.1	5.3	4.7	5.3
33	PST-103-762	4.9	5.5	5.1	3.8	1.7	7.7	4.0
34	A99-LM-15 (TB x KB hybrid)	4.9	4.9	5.1	4.6	5.7	7.3	4.7
35	A97-1303	4.8	5.5	4.6	4.4	3.7	3.0	4.7
36	A00-4083	4.8	4.9	5.5	4.0	5.3	6.0	5.3
37	SR 2100	4.8	5.0	4.8	4.6	4.3	5.0	4.3
38	PST-102-371	4.7	4.2	5.4	4.5	4.7	4.0	6.3
39	Full Moon	4.7	4.1	4.9	5.2	6.0	6.0	5.3
40	A99-378	4.7	5.3	5.2	3.8	4.7	8.3	4.3
41	H99-57	4.6	5.5	4.9	3.4	3.0	6.7	3.0
42	PST-102-45	4.6	4.2	5.2	4.4	4.3	2.7	4.7
43	PST-1A1-199	4.6	4.8	4.9	4.0	4.7	5.0	4.0
44	PST-109-1121	4.5	3.8	5.0	4.8	5.7	4.7	5.3
45	A01-845 (TB x KB hybrid)	4.5	4.5	4.8	4.1	4.0	6.7	3.7
46	A97-884	4.4	4.8	4.6	3.8	4.7	5.7	3.0
47	PST-1A3-54	4.3	4.5	4.5	4.0	2.0	3.3	3.7
48	UB 21515	4.3	5.3	4.0	3.5	2.7	4.3	4.7
49	PST-1A3-459	4.2	3.5	4.4	4.7	5.3	5.0	5.0
50	PST-102-2	4.2	4.2	4.7	3.6	4.3	5.3	3.0

(Continued)

Table 4 (continued).

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Seed Heads[3] May 2007	Worn Turf Quality[4] Aug. 2007
51	PST-102-1	4.2	4.7	4.3	3.6	3.3	4.3	3.3
52	A99-3108	4.1	4.3	4.2	3.8	3.0	3.7	4.0
53	PST-103-68	3.9	3.9	4.1	3.9	4.3	7.0	5.0
54	PST-101-362	3.6	3.9	3.4	3.6	3.3	4.3	2.7
55	CIS-KFLO	3.6	4.2	3.3	3.3	3.7	3.7	4.3
	LSD at 5% =	0.8	0.7	1.1	1.4	2.5	1.4	2.0

[1]9 = best turf quality
[2]9 = earliest spring green-up
[3]9 = least seed heads
[4]9 = best turf quality with wear (38 passes applied with novel wear simulator)
[5]Texas x Kentucky bluegrass hybrid

Table 5. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2004 at Adelphia, NJ.

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Leaf Spot[3] May 2007	Seed Heads[4] May 2007
1	Hampton	6.6	6.6	6.9	6.4	4.3	7.3	7.7
2	Midnight II	6.6	6.4	6.6	6.7	1.0	7.0	8.7
3	Prosperity	6.5	6.3	6.5	6.8	4.3	7.7	8.3
4	H01-229	6.5	5.7	7.5	6.2	3.3	6.7	8.0
5	Midnight	6.4	6.1	6.6	6.6	1.3	6.7	9.0
6	A96-324	6.4	6.5	6.9	5.7	4.0	7.7	7.7
7	A03-84	6.4	5.8	6.6	6.7	5.3	8.0	8.3
8	Champlain	6.3	6.6	6.3	6.1	2.0	8.3	8.7
9	Aura	6.3	7.1	6.2	5.6	6.3	5.0	8.7
10	NuDestiny	6.2	6.2	6.4	6.1	1.0	7.0	9.0
11	A04-340	6.2	6.3	6.4	6.0	4.0	7.3	8.7
12	Award	6.2	6.2	6.7	5.7	1.3	6.7	9.0
13	A97-1686	6.2	5.9	6.8	6.0	1.0	6.3	8.3
14	A04-339	6.2	6.2	6.3	6.0	4.3	7.7	8.3
15	Emblem	6.1	5.1	6.8	6.5	2.0	6.7	9.0
16	Arcadia	6.1	5.9	6.7	5.8	2.7	7.0	8.3
17	A04-337	6.1	6.1	6.4	5.9	3.0	7.3	8.7
18	Shiraz	6.1	5.9	6.8	5.6	6.0	7.7	8.0
19	A00-4036	6.1	5.7	6.2	6.3	3.3	8.0	6.0
20	PST-103-348	6.1	5.0	6.7	6.5	5.0	8.0	8.0
21	Beyond	6.1	5.6	6.3	6.2	1.3	7.3	8.7
22	AKBO47	6.0	6.2	6.4	5.5	1.3	6.7	8.3
23	A00-4135	6.0	6.1	6.2	5.8	2.3	7.7	6.7
24	Odyssey	6.0	6.0	6.4	5.6	1.3	7.0	8.3
25	Liberator	6.0	6.3	6.2	5.6	1.7	7.0	8.0

(Continued)

Table 5 (continued).

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Leaf Spot[3] May 2007	Seed Heads[4] May 2007
26	Bluestone	6.0	5.7	6.4	5.9	2.0	7.0	7.7
27	Bedazzled	6.0	5.4	6.3	6.2	5.0	8.7	7.3
28	A00-2882	6.0	6.6	5.9	5.6	4.0	7.7	8.0
29	A04-342	6.0	6.0	5.9	6.0	2.7	6.3	8.0
30	Preakness	5.9	6.1	5.9	5.8	4.3	6.0	8.0
31	A03-137	5.9	6.0	6.2	5.7	5.7	6.7	8.7
32	Everglade	5.9	6.0	6.2	5.5	1.3	6.7	8.7
33	Langara	5.9	5.9	6.1	5.7	4.7	7.3	6.3
34	A04-46	5.9	6.1	6.0	5.6	3.7	7.3	6.0
35	Washington	5.9	5.9	6.1	5.6	6.0	6.7	8.7
36	SRX A0035	5.9	6.0	5.5	6.1	2.3	8.0	8.3
37	Bewitched	5.9	5.0	6.3	6.2	1.7	7.3	7.0
38	A99-3182	5.9	6.5	6.1	5.0	2.7	5.7	8.0
39	H99-338	5.8	6.0	6.0	5.4	4.0	5.7	8.3
40	Chicago II	5.8	6.0	5.8	5.6	3.3	7.3	8.7
41	Absolute	5.8	5.4	6.2	5.7	2.0	6.3	8.3
42	A01-324	5.8	6.5	5.9	5.0	4.3	5.3	7.7
43	Rhapsody	5.8	5.7	6.2	5.3	5.7	7.0	8.7
44	A99-3124	5.8	6.2	5.6	5.5	5.0	7.3	7.7
45	Rhythm	5.7	5.4	5.8	6.0	1.0	6.3	8.3
46	A04-66	5.7	5.7	6.1	5.5	5.7	6.7	8.7
47	SR 2284	5.7	6.3	5.5	5.4	5.3	8.0	5.3
48	Royce	5.7	5.9	5.5	5.8	5.7	8.0	6.7
49	Gamma	5.7	5.3	6.0	5.8	4.7	8.0	8.3
50	A03-56	5.7	6.2	5.5	5.5	5.7	6.3	8.3

(Continued)

Table 5 (continued).

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Leaf Spot[3] May 2007	Seed Heads[4] May 2007
51	A01-245	5.7	5.8	6.0	5.3	5.3	7.7	7.3
52	PST-C-74	5.7	6.1	5.1	5.8	5.0	8.3	7.3
53	PST-102-48	5.7	4.8	6.1	6.1	4.7	7.7	8.7
54	Brilliant	5.7	5.7	5.6	5.7	5.0	7.7	8.7
55	A04-68	5.7	6.0	5.5	5.5	7.0	6.3	8.7
56	SRX A00553	5.7	6.1	5.5	5.4	4.3	7.7	8.0
57	Diva	5.7	5.0	5.7	6.3	4.3	8.0	7.0
58	A99-3117	5.7	5.9	5.8	5.3	5.0	8.0	7.3
59	Tsunami	5.6	5.9	5.9	5.2	1.0	7.0	8.7
60	Princeton P-105	5.6	5.4	5.5	6.0	1.7	7.7	8.3
61	NuGlade	5.6	6.0	5.5	5.5	1.3	7.0	8.3
62	A01-195	5.6	5.8	5.5	5.5	4.0	5.7	4.3
63	A97-1560	5.6	6.1	5.2	5.5	4.3	7.3	8.0
64	Juliet	5.6	5.6	5.6	5.6	5.3	7.7	8.7
65	Cabernet	5.6	5.7	5.6	5.4	5.0	5.3	8.0
66	A03-71	5.6	5.7	5.6	5.4	4.3	7.7	7.0
67	A00-247	5.6	6.1	5.6	5.0	5.3	7.7	8.0
68	Belissimo	5.6	5.9	5.5	5.3	4.3	7.7	6.7
69	Kingfisher	5.5	5.6	5.5	5.5	4.0	7.7	6.7
70	A99-2231	5.5	6.1	5.1	5.4	6.0	7.3	7.7
71	Everest	5.5	5.9	5.8	4.9	1.0	6.7	8.0
72	A03-38	5.5	5.9	5.7	5.0	7.0	6.0	8.0
73	A04-71	5.5	5.1	5.9	5.5	1.7	4.0	8.0
74	PST-1A1-199	5.5	5.9	5.6	5.0	4.7	7.0	8.3
75	PST-103-585	5.5	5.2	5.7	5.5	4.0	8.3	6.0

(Continued)

Table 5 (continued).

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Leaf Spot[3] May 2007	Seed Heads[4] May 2007
76	MSP 3635	5.5	5.9	5.2	5.3	5.7	6.7	7.7
77	A99-2426	5.5	5.7	5.4	5.4	4.0	7.7	7.7
78	A04-69	5.5	5.6	5.9	5.0	5.0	4.0	8.3
79	Yankee	5.5	5.3	6.1	5.0	2.3	7.0	8.0
80	A98-969	5.5	5.2	5.8	5.3	5.7	6.0	7.7
81	Freedom III	5.5	5.6	5.3	5.5	2.0	6.7	8.0
82	Arrowhead	5.5	5.1	5.6	5.7	5.0	8.3	7.7
83	Rubican	5.4	5.1	5.5	5.7	6.3	6.3	8.3
84	Voyager II	5.4	5.6	5.2	5.6	5.3	7.3	7.7
85	H98-711	5.4	5.7	5.4	5.2	4.0	7.3	7.3
86	A01-247	5.4	5.3	5.5	5.4	5.7	8.0	6.7
87	A04-49	5.4	5.0	5.8	5.5	5.3	7.0	8.0
88	NAK-3257	5.4	5.0	5.3	5.9	4.3	8.0	7.7
89	A01-299	5.4	5.7	5.4	5.1	3.3	6.3	8.3
90	Sonoma	5.4	4.8	5.6	5.7	3.7	7.0	7.7
91	PST-109-752	5.4	6.1	4.9	5.1	5.7	7.0	8.3
92	Alpine	5.4	4.8	6.3	5.0	1.3	7.0	6.7
93	A98-339	5.4	5.9	5.4	4.8	4.7	7.3	4.3
94	A01-250	5.4	5.6	5.3	5.2	4.3	7.7	7.3
95	PST-1A3-452	5.4	4.3	6.0	5.8	3.3	7.3	8.3
96	A04-63	5.4	5.0	5.7	5.4	5.0	7.7	5.7
97	Moonlight	5.3	5.8	5.1	5.2	4.0	7.3	7.7
98	PST-1A3-459	5.3	4.6	5.8	5.7	5.7	7.0	6.0
99	MSP 3633	5.3	5.6	5.1	5.3	4.3	7.7	8.0
100	H94-707	5.3	5.0	5.3	5.6	1.3	6.7	8.0

(Continued)

Table 5 (continued).

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Leaf Spot[3] May 2007	Seed Heads[4] May 2007
101	Impact	5.3	5.3	5.3	5.4	1.7	7.0	8.0
102	A95-1048	5.3	4.8	5.5	5.6	5.3	6.3	7.7
103	H01-912	5.3	5.1	5.5	5.3	5.7	7.3	5.0
104	A99-354	5.3	5.8	5.4	4.8	7.3	7.3	8.7
105	A97-1303	5.3	5.5	5.4	5.0	4.7	7.3	5.7
106	A96-323	5.3	4.9	5.7	5.3	5.3	8.3	7.0
107	Mercury	5.3	6.2	5.1	4.5	5.7	7.3	3.0
108	H98-768	5.3	6.0	5.4	4.5	4.3	7.3	8.3
109	A04-38	5.3	4.1	6.0	5.8	4.3	7.3	5.3
110	PST-103-344	5.3	4.7	6.1	5.1	3.0	7.7	4.7
111	A98-108	5.3	5.9	5.2	4.7	4.7	7.7	5.3
112	H98-46	5.3	5.8	5.1	4.9	5.0	7.0	7.7
113	A99-269	5.3	5.6	5.2	5.1	4.7	8.0	7.3
114	A99-2213	5.3	5.8	5.3	4.6	4.7	6.0	7.7
115	A03-3	5.3	5.3	5.7	4.8	5.0	5.0	8.7
116	A04-338	5.3	5.3	5.5	4.9	3.0	5.7	8.0
117	H94-305	5.2	5.7	5.3	4.8	7.3	4.7	9.0
118	A98-304	5.2	5.6	5.3	4.8	6.3	5.7	8.7
119	Rambo	5.2	5.1	5.7	4.8	1.3	6.7	8.7
120	Rugby II	5.2	5.0	5.3	5.3	2.3	5.7	8.3
121	PST-103-354	5.2	5.2	5.0	5.4	4.3	7.3	8.0
122	A99-2433	5.2	5.7	5.1	4.9	4.7	7.3	7.0
123	A99-523	5.2	5.7	4.9	5.0	4.0	7.0	8.0
124	SW AG514	5.2	5.0	5.9	4.7	2.0	7.3	8.3
125	A04-35	5.2	4.1	5.9	5.5	5.0	7.0	6.3

(Continued)

Table 5 (continued).

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Leaf Spot[3] May 2007	Seed Heads[4] May 2007
126	Showcase	5.2	5.9	5.0	4.6	4.0	7.0	7.3
127	PST-109-996	5.2	5.9	4.9	4.6	4.7	6.7	7.7
128	A98-305	5.2	5.4	5.1	5.0	4.7	7.7	7.0
129	MSP 3629	5.1	5.2	5.5	4.7	6.0	7.7	6.3
130	Apollo	5.1	5.5	5.0	4.9	4.3	7.0	7.0
131	A00-57	5.1	5.6	5.0	4.7	4.7	6.7	6.3
132	PST-101-73	5.1	5.7	5.0	4.6	4.7	7.3	7.7
133	A99-378	5.1	5.4	5.4	4.4	4.3	4.7	8.0
134	A04-37	5.1	4.0	5.9	5.4	6.0	6.3	5.7
135	PST-102-45	5.1	4.7	5.6	4.9	3.7	7.3	4.7
136	Bordeaux	5.1	5.4	5.1	4.7	4.0	7.0	4.0
137	Total Eclipse	5.0	4.9	5.2	5.0	3.0	7.0	5.3
138	PST-103-412	5.0	6.1	5.0	4.0	3.7	5.7	6.7
139	A98-689	5.0	5.0	5.0	5.0	2.7	7.3	4.0
140	A00-4135	5.0	4.7	5.2	5.1	1.7	7.0	6.0
141	A99-325	5.0	5.2	5.0	4.8	3.7	5.3	8.3
142	A99-2758	5.0	5.0	5.2	4.7	3.7	5.0	8.3
143	Moonlight SLT	5.0	4.9	5.1	4.9	2.7	6.7	4.3
144	A99-2852	5.0	5.0	5.1	4.8	5.3	7.0	8.0
145	Rampart	4.9	4.9	5.2	4.7	5.3	7.3	5.0
146	A97-959	4.9	4.5	5.2	5.2	5.7	6.7	5.3
147	Harmony	4.9	5.0	5.3	4.5	3.3	8.0	7.7
148	A96-1353	4.9	4.7	5.3	4.8	5.3	6.7	6.3
149	PST-103-118	4.9	4.1	5.3	5.4	4.0	6.7	7.7
150	A00-62	4.9	5.1	4.6	5.0	7.3	6.0	8.7

(Continued)

Table 5 (continued).

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Leaf Spot[3] May 2007	Seed Heads[4] May 2007
151	SR 2100	4.9	5.1	5.1	4.4	1.3	6.3	7.0
152	High Noon	4.9	4.9	5.1	4.7	5.3	5.3	5.0
153	SRX 27832	4.9	4.8	5.5	4.3	3.7	6.7	8.0
154	A99-2108	4.9	4.3	5.5	4.7	6.7	6.7	6.3
155	Eagleton	4.8	4.9	4.9	4.8	3.7	5.0	8.0
156	A99-2545	4.8	5.5	4.7	4.4	4.3	4.7	8.3
157	RSP	4.8	5.7	4.5	4.3	7.3	2.3	8.7
158	PST-103-360	4.8	3.9	5.6	4.8	2.0	6.3	8.3
159	Lakeshore	4.8	3.9	5.6	4.8	4.7	6.3	6.3
160	Brunswick	4.8	4.4	4.7	5.3	6.7	7.3	5.3
161	H97-108	4.8	4.9	5.0	4.3	6.0	6.7	6.7
162	Arrow	4.8	4.7	4.8	4.7	4.3	7.0	4.7
163	Brooklawn	4.7	4.2	5.1	5.0	6.0	5.7	5.0
164	A00-4083	4.7	4.1	5.0	5.1	2.7	8.3	8.0
165	SRX 26370	4.7	4.7	5.1	4.3	3.0	5.0	5.7
166	H99-1726	4.7	5.2	4.3	4.6	7.7	1.7	8.3
167	Bronco	4.7	5.0	4.8	4.2	3.0	6.7	7.3
168	Argos	4.7	4.2	5.1	4.7	5.3	7.0	6.7
169	North Star	4.7	3.9	5.0	5.0	2.0	7.7	7.3
170	PST-103-68	4.6	5.1	4.8	4.0	2.7	6.7	5.3
171	Blue-Rriffic	4.6	3.7	5.3	4.9	3.0	7.3	5.3
172	H97-545	4.6	5.2	4.5	4.1	6.3	6.0	8.0
173	PST-102-339	4.6	3.9	5.1	4.8	6.3	5.7	8.7
174	PST-1A1-899	4.6	4.1	5.2	4.5	5.0	6.0	8.0
175	Champagne	4.6	4.4	4.7	4.7	5.3	5.7	6.7

(Continued)

Table 5 (continued).

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Leaf Spot[3] May 2007	Seed Heads[4] May 2007
176	A03-66	4.6	4.3	5.2	4.2	4.3	7.3	5.7
177	A93-201	4.6	3.5	5.2	5.0	5.0	6.3	4.7
178	PST-103-314	4.5	4.8	4.9	3.9	3.3	6.3	6.0
179	PST-102-9	4.5	4.4	4.7	4.3	2.3	7.3	7.3
180	Cynthia	4.5	4.5	5.1	3.8	3.0	5.7	5.3
181	Pinot	4.5	4.0	4.8	4.6	3.0	6.7	6.7
182	MSP 3630	4.5	4.8	4.4	4.2	6.7	5.3	7.0
183	H99-1733	4.5	5.0	4.3	4.1	7.3	2.0	8.0
184	H97-186	4.5	5.2	4.0	4.2	6.7	3.0	8.0
185	3RAD-503J	4.5	4.9	4.4	4.1	2.7	5.0	8.3
186	Bonaire	4.4	3.8	4.8	4.7	5.7	6.0	5.3
187	PST-103-692	4.4	5.0	4.4	3.9	2.7	5.3	2.7
188	Concerto	4.4	3.5	5.3	4.5	4.7	6.7	5.0
189	AKB287	4.4	4.5	4.6	4.1	5.3	6.7	6.3
190	PST-103-265	4.4	4.4	4.5	4.2	5.7	7.7	7.3
191	Blackberry	4.4	4.9	4.6	3.6	5.0	7.0	4.7
192	Moonshine	4.4	3.6	4.9	4.6	4.3	6.0	5.7
193	Eva	4.4	3.8	4.9	4.4	2.7	7.7	6.0
194	PST-1A3-167	4.4	4.3	4.7	4.1	4.7	6.0	4.3
195	A03-63	4.4	4.4	4.4	4.3	5.3	7.3	4.7
196	Dragon	4.3	4.2	4.7	4.1	4.3	6.0	1.7
197	H97-307	4.3	4.5	4.5	4.0	4.7	6.7	7.7
198	Baron	4.3	4.2	4.8	4.0	5.3	6.3	5.0
199	A03-77	4.3	3.8	5.0	4.1	3.7	6.3	7.3
200	2RAD-148J	4.3	4.8	4.5	3.7	5.3	6.7	7.3

(Continued)

Table 5 (continued).

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Leaf Spot[3] May 2007	Seed Heads[4] May 2007
201	PST-103-363	4.3	4.3	4.6	4.0	2.0	7.0	6.3
202	Ridgeline	4.3	4.6	4.2	4.0	6.0	7.0	4.3
203	PST-1A3-94	4.3	5.1	4.2	3.6	6.0	2.3	7.3
204	PST-102-158	4.3	4.1	4.6	4.2	5.0	6.7	3.3
205	A97-1409	4.3	4.8	4.2	3.8	7.0	4.7	6.7
206	PST-103-732	4.2	5.5	4.2	3.0	6.0	1.3	9.0
207	A99-3110	4.2	4.7	4.3	3.7	4.3	7.7	4.3
208	PST-103-117	4.2	3.7	4.7	4.2	4.3	6.0	6.7
209	PST-1A3-365	4.2	4.4	4.2	3.9	3.3	3.0	7.3
210	Moon Beam	4.2	3.6	4.3	4.5	3.3	6.3	7.0
211	A99-2933	4.2	4.1	4.5	3.9	3.0	7.3	5.0
212	MSP 3631	4.1	4.3	4.1	4.0	6.3	6.0	6.7
213	Pioneer	4.1	3.3	4.8	4.3	6.0	5.3	5.3
214	PST-103-651	4.1	3.6	4.8	3.9	1.7	6.0	8.0
215	Full Moon	4.1	4.5	4.1	3.7	4.7	4.7	3.7
216	Shamrock	4.1	3.6	4.4	4.2	5.7	6.0	4.3
217	Blue Chip	4.1	3.9	4.5	3.8	4.3	6.7	5.3
218	A97-884	4.1	3.6	4.3	4.2	5.3	6.3	5.0
219	Fairfax	4.1	3.1	4.6	4.5	4.0	6.0	5.0
220	Canon	4.1	3.8	4.6	3.8	4.3	6.3	4.7
221	PST-103-737	4.0	5.1	4.1	2.9	4.0	3.0	6.7
222	PST-103-609	4.0	4.4	4.3	3.4	5.0	1.7	7.3
223	A02-949 (TB x KB hybrid[5])	4.0	4.6	3.9	3.5	4.0	6.0	5.7
224	A98-233	4.0	4.2	4.1	3.7	4.7	5.0	6.7
225	PST-102-13	4.0	3.1	4.7	4.1	3.0	6.0	7.3

(Continued)

Table 5 (continued).

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Leaf Spot[3] May 2007	Seed Heads[4] May 2007
226	PST-102-68	3.9	4.1	4.1	3.6	1.7	7.0	3.0
227	PST-101-362	3.9	3.5	4.0	4.4	3.0	7.0	5.3
228	Sonic	3.9	4.7	3.7	3.4	3.7	2.7	8.0
229	PST-103-362	3.9	4.1	3.9	3.8	4.0	6.0	7.7
230	PST-102-307	3.9	4.3	3.9	3.6	4.7	4.7	4.7
231	PST-103-762	3.9	3.8	4.6	3.2	1.7	5.0	8.0
232	PST-1A3-147	3.9	4.3	3.9	3.5	4.3	5.7	5.7
233	3RAD-515JM	3.9	3.9	4.1	3.7	4.3	5.7	6.3
234	A02-947 (TB x KB hybrid)	3.8	4.9	3.7	2.9	4.3	5.7	6.7
235	PST-1A3-71	3.8	3.2	4.3	3.9	5.3	5.3	6.7
236	NuBlue	3.8	4.0	3.8	3.6	5.7	6.7	5.0
237	A01-845 (TB x KB hybrid)	3.7	4.3	3.9	3.1	6.7	5.7	7.0
238	PST-1A3-56	3.7	3.3	4.0	3.9	5.0	6.0	6.0
239	PST-103-434	3.7	3.6	4.1	3.4	2.3	5.7	7.7
240	PST-1A3-57	3.7	2.9	4.3	3.7	4.3	7.0	5.3
241	PST-103-31	3.6	3.6	4.0	3.3	4.0	6.3	5.7
242	PST-1A3-12	3.6	2.8	4.3	3.8	4.7	6.3	7.3
243	PST-102-137	3.6	3.5	3.9	3.5	4.7	6.7	3.0
244	PST-103-273	3.6	3.8	3.6	3.3	4.7	6.3	6.7
245	PST-1A3-159	3.6	4.2	3.4	3.1	4.3	5.3	4.3
246	PST-103-444	3.6	3.3	3.8	3.6	2.3	4.0	7.7
247	3RAD-474J	3.6	3.4	3.8	3.5	3.3	4.0	5.7
248	PST-1A3-111	3.5	3.3	3.8	3.5	4.0	6.7	4.7
249	PST-1A3-54	3.5	2.9	3.9	3.8	3.0	6.3	5.3
250	PST-1A3-675	3.5	3.4	3.8	3.2	5.0	5.7	7.3

(Continued)

Table 5 (continued).

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Leaf Spot[3] May 2007	Seed Heads[4] May 2007
251	PST-1A3-137	3.5	2.3	4.1	3.9	2.7	7.0	7.0
252	PST-1A3-472	3.4	4.0	3.4	2.8	2.0	6.0	2.7
253	PST-1A3-163	3.4	4.3	3.2	2.8	2.7	6.3	2.7
254	PST-103-435	3.4	3.5	3.9	2.8	3.0	6.0	6.7
255	Aviator	3.4	2.9	3.6	3.7	5.0	5.7	5.7
256	PST-103-719	3.4	3.2	3.6	3.4	4.0	6.0	5.0
257	PST-1A3-343	3.3	2.9	4.1	3.1	2.0	6.0	3.0
258	PST-102-334	3.3	2.8	3.9	3.4	3.0	6.3	6.3
259	PST-1A3-187	3.3	3.0	3.6	3.4	4.3	6.3	3.7
260	PST-102-297	3.3	3.1	3.9	2.9	3.3	6.3	6.7
261	PST-1A3-156	3.3	3.0	3.6	3.4	3.7	6.7	5.7
262	PST-1A3-647	3.2	3.3	3.4	3.0	2.3	5.7	2.3
263	PST-1A3-84	3.2	2.8	3.1	3.8	4.0	4.7	6.3
264	PST-1A3-134	3.2	3.5	3.5	2.7	3.7	6.0	3.3
265	PST-103-433	3.2	3.5	3.1	2.8	5.3	5.0	6.3
266	Corsair	3.1	2.9	3.4	3.2	4.7	5.0	6.0
267	PST-1A3-330	3.0	2.9	3.6	2.6	2.7	6.0	5.0
268	PST-103-662	3.0	2.7	2.9	3.4	5.3	5.3	5.3
269	PST-1A1-30	2.9	2.2	3.2	3.2	2.7	6.0	3.3
270	PST-1A3-671	2.8	2.8	2.9	2.8	4.3	6.0	6.0
271	NAK-3268	2.7	2.3	2.8	3.1	3.7	6.7	5.7
272	PST-1A3-72	2.7	2.2	2.7	3.1	3.0	6.0	4.7
273	PST-1A3-524	2.6	2.4	2.8	2.7	3.0	5.0	5.0
274	PST-102-239	2.6	3.5	1.7	2.5	1.7	6.0	3.0
275	PST-103-541	2.5	2.3	2.7	2.6	3.3	4.7	4.7

(Continued)

Table 5 (continued).

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Leaf Spot[3] May 2007	Seed Heads[4] May 2007
276	Pp H8570	2.2	1.7	1.9	2.9	7.7	5.0	5.7
	LSD at 5% =	0.8	0.9	0.9	0.9	1.6	1.4	1.3

[1]9 = best turf quality
[2]9 = earliest spring green-up
[3]9 = least disease
[4]9 = least seed heads
[5]Texas x Kentucky bluegrass hybrid

Table 6. Performance of Texas x Kentucky bluegrass hybrid cultivars and selections in a turf trial seeded in September 2003 at Adelphia, NJ.

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2006
1	Moonshadow (KB[3])	7.0	7.6	6.4	7.1	2.3
2	Langara (KB)	6.2	6.9	5.7	6.1	4.0
3	Cabernet (KB)	6.1	6.4	5.8	6.1	4.3
4	Princeton P-105 (KB)	5.7	6.2	4.9	6.1	1.7
5	A00TB-101	5.6	6.6	5.1	5.1	7.3
6	A01-856	5.5	5.0	5.7	5.9	5.3
7	A03TB-252	5.5	5.3	5.5	5.6	3.0
8	A01-845	5.5	5.2	5.5	5.7	4.0
9	A02-943	5.4	5.7	5.4	5.0	4.7
10	Midnight (KB)	5.4	5.3	5.2	5.7	1.0
11	A02-949	5.3	5.6	5.5	4.9	5.0
12	Fahrenheit 90	5.3	5.4	5.1	5.4	3.7
13	A04TB-4	5.2	5.3	5.2	5.3	4.3
14	A99LM-15	5.2	5.0	5.3	5.2	5.0
15	A04TB-33	5.1	5.1	5.2	5.0	7.3
16	A04TB-7	5.0	4.3	5.4	5.5	6.3
17	A03TB-251	5.0	4.7	5.2	5.1	4.0
18	Spitfire	5.0	4.9	4.8	5.1	4.7
19	RSP (KB)	4.9	5.8	4.5	4.5	7.7
20	Eagleton (KB)	4.9	5.8	4.2	4.7	2.0
21	A00TB-108	4.9	4.8	4.8	5.0	6.0
22	A02-956	4.9	5.1	5.1	4.4	7.0
23	PST-C-74 (KB)	4.8	5.7	4.2	4.7	2.0
24	A02-284	4.8	4.7	5.1	4.6	7.3
25	A04TB-8	4.8	4.8	4.9	4.6	6.7
26	A02-976	4.8	4.6	5.1	4.7	4.7
27	A02-953	4.7	5.1	4.7	4.4	3.7
28	Brunswick (KB)	4.6	4.5	4.5	4.8	4.7
29	A02-947	4.5	4.8	4.4	4.4	2.0
30	A01-852	4.5	4.5	4.5	4.5	1.7
31	A01-849	4.5	4.1	4.7	4.6	1.7
32	A04TB-3	4.4	4.1	4.4	4.6	3.7
33	A04TB-11	4.4	4.7	4.3	4.2	3.7
34	A03TB-256	4.3	3.8	4.9	4.2	7.0
35	02-28	4.3	4.4	4.2	4.2	2.7

(Continued)

Table 6 (continued).

	Cultivar or Selection	Turf Quality[1] 2005-2007 Avg.	Turf Quality[1] 2005 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2006
36	A99LM-18	4.3	4.8	4.3	3.8	2.7
37	A02-969	4.3	4.1	4.7	4.0	5.3
38	A01-900	4.3	4.1	4.3	4.5	4.0
39	A02-962	4.2	3.7	4.5	4.4	5.7
40	3855-11	4.2	3.9	4.5	4.3	3.7
41	A03TB-246	3.9	3.3	4.3	4.0	5.3
42	A04TB-35	3.7	3.3	3.9	4.0	4.0
43	A02-975	3.3	3.0	3.5	3.3	4.3
	LSD at 5% =	0.4	0.6	0.6	0.6	1.1

[1]9 = best turf quality
[2]9 = earliest spring green-up
[3]Kentucky bluegrass standard

Table 7. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2005 at North Brunswick, NJ.

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Seed Heads[3] May 2007
1	Moonlight	6.9	7.0	6.9	6.0	7.7
2	A99-2238	6.8	6.9	6.7	4.3	9.0
3	A05-321	6.7	6.8	6.5	5.0	8.0
4	A05-325	6.6	6.9	6.3	6.7	5.3
5	A99-523	6.6	6.9	6.2	5.0	6.3
6	H99-1569	6.6	6.7	6.4	4.7	6.3
7	Unique	6.5	6.7	6.3	6.3	5.7
8	A05-334	6.5	6.9	6.1	3.3	6.7
9	3590-6	6.5	6.5	6.4	5.7	8.0
10	A00-1395	6.4	6.5	6.4	5.7	5.7
11	A97-1304	6.4	6.6	6.2	5.0	6.3
12	A99-2728	6.4	6.6	6.1	4.3	6.3
13	Cabernet	6.3	6.0	6.7	7.3	8.3
14	A05-314	6.3	6.5	6.2	3.7	6.7
15	A99-2377	6.3	6.8	5.8	5.3	5.7
16	A05-328	6.3	6.7	5.9	5.3	5.0
17	Blue Note	6.3	6.6	6.0	7.7	8.7
18	A05-336	6.2	6.5	5.9	4.7	6.0
19	A97-1303	6.2	6.4	6.0	5.7	5.3
20	A05-335	6.2	6.1	6.2	4.3	5.7
21	A94-677	6.2	6.7	5.6	5.3	6.7
22	A97-1560	6.1	6.2	6.0	4.3	6.7
23	A00-99	6.1	6.0	6.1	4.0	6.3
24	Mystere	6.1	6.2	5.9	6.0	8.0
25	A05-333	6.0	6.3	5.8	4.3	5.0
26	Diva	6.0	6.2	5.9	6.3	5.0
27	A05-324	6.0	6.1	5.9	3.0	6.0
28	A96-1338	6.0	6.1	5.9	6.3	9.0
29	A05-323	6.0	6.2	5.8	6.7	6.7
30	A05-297	6.0	6.2	5.7	3.0	7.3
31	A05-322	6.0	6.3	5.6	5.0	5.3
32	H99-1653	5.9	5.8	6.1	7.3	8.7
33	A05-339	5.9	6.1	5.7	4.7	6.3
34	A05-347	5.9	6.6	5.2	3.3	7.7
35	A05-360	5.9	5.6	6.2	5.7	9.0

(Continued)

Table 7 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Seed Heads[3] May 2007
36	A00-1193	5.9	6.1	5.8	4.3	5.7
37	A99-269	5.9	6.2	5.7	4.0	5.3
38	A99-2678	5.9	5.9	5.9	4.0	4.3
39	A05-331	5.9	5.9	5.8	6.0	5.7
40	A03-67	5.8	6.1	5.5	6.0	8.3
41	A99-2609	5.8	6.0	5.6	4.0	6.0
42	A05-299	5.8	5.8	5.8	4.3	4.7
43	A04-68	5.8	5.4	6.1	5.7	8.7
44	A99-447	5.8	6.1	5.4	3.3	9.0
45	A00-1262	5.8	6.0	5.5	4.3	5.7
46	A99-2998	5.7	5.5	5.9	4.0	8.0
47	A03-66	5.7	5.9	5.5	6.0	5.7
48	A03-162	5.7	5.6	5.8	8.7	9.0
49	A98-3320	5.7	6.2	5.2	6.3	5.0
50	A01-1106	5.7	6.1	5.2	5.7	8.7
51	A99-2026	5.7	5.4	5.9	4.7	7.0
52	A05-354	5.7	5.7	5.6	3.0	6.3
53	A05-356	5.6	5.9	5.4	6.0	8.0
54	A00-1238	5.6	5.9	5.4	4.0	8.7
55	A99-2758	5.6	5.7	5.5	3.7	8.0
56	Hunnington	5.6	5.5	5.7	4.7	7.0
57	A01-1107	5.6	5.8	5.3	5.7	8.0
58	A96-308	5.6	5.8	5.3	3.7	8.0
59	A99-345	5.6	5.5	5.6	4.7	6.7
60	A03-54	5.5	5.7	5.4	6.3	7.0
61	Eagleton	5.5	5.5	5.6	7.3	8.3
62	A05-295	5.5	5.7	5.3	6.7	8.3
63	A00-1002	5.5	5.6	5.4	4.0	6.3
64	Midnight	5.5	6.1	4.9	2.7	8.3
65	A98-3369	5.5	6.1	4.9	5.7	4.3
66	A01-583	5.5	6.0	4.9	5.7	8.0
67	Sonoma	5.5	6.0	4.9	4.3	7.3
68	A99-2123	5.4	5.8	5.1	6.0	5.3
69	A99-2031	5.4	6.0	4.8	5.7	6.7
70	A05-351	5.4	5.7	5.2	4.0	7.3

(Continued)

Table 7 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Seed Heads[3] May 2007
71	Preakness	5.4	5.4	5.4	6.7	8.3
72	A03-69	5.4	5.4	5.3	8.3	9.0
73	A05-298	5.4	5.8	4.9	4.0	3.0
74	A05-341	5.3	5.7	4.9	1.3	8.0
75	A05-361	5.3	5.4	5.2	6.0	8.3
76	A03-26	5.3	5.1	5.4	8.7	9.0
77	A05-345	5.3	5.4	5.1	4.3	7.0
78	Princeton P-105	5.3	5.5	5.0	3.7	6.3
79	Serene	5.3	5.7	4.8	4.3	6.7
80	A05-203	5.3	5.5	5.0	4.3	4.0
81	A05-353	5.3	5.6	4.9	4.7	8.0
82	A05-364	5.2	6.0	4.5	8.7	5.0
83	A05-309	5.2	5.3	5.1	6.7	5.7
84	A05-315	5.2	5.2	5.2	6.3	6.7
85	A04-71	5.2	5.3	5.0	4.7	8.7
86	A05-310	5.2	5.3	5.0	6.3	6.7
87	A05-358	5.2	5.2	5.1	6.0	8.3
88	A05-362	5.2	4.9	5.4	5.0	7.7
89	A95-1048	5.1	5.0	5.2	5.7	6.0
90	A99-3122	5.1	5.6	4.6	5.3	5.0
91	H99-334	5.1	5.0	5.2	9.0	9.0
92	A05-201	5.1	5.3	4.9	5.0	6.3
93	A05-292	5.1	5.6	4.6	7.7	7.0
94	A05-302	5.1	5.8	4.4	5.3	5.0
95	A04-51	5.1	5.1	5.0	4.0	7.7
96	A99-2377	5.1	5.8	4.3	3.3	4.7
97	A03-38	5.1	5.2	4.9	5.3	8.3
98	A03-50	5.1	5.4	4.7	3.7	8.7
99	A05-326	5.0	5.4	4.6	4.7	5.0
100	A05-343	5.0	5.7	4.4	5.3	4.3
101	A99-2427	5.0	5.4	4.7	3.0	7.7
102	A05-338	5.0	5.4	4.5	5.0	6.0
103	Bordeaux	5.0	5.6	4.4	6.0	4.0
104	A05-346	5.0	5.9	4.0	3.0	7.0
105	A05-355	5.0	5.0	4.9	7.3	8.0

(Continued)

Table 7 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Seed Heads[3] May 2007
106	A99-3239	4.9	5.0	4.8	7.0	5.7
107	A05-300	4.9	5.6	4.2	3.7	6.7
108	A03-4	4.9	5.1	4.7	3.7	8.3
109	A05-319	4.9	5.2	4.6	5.7	6.0
110	A05-200	4.9	5.2	4.5	2.7	3.7
111	A05-349	4.8	5.2	4.5	5.7	8.3
112	A05-359	4.8	4.6	5.0	7.3	6.7
113	A05-204	4.8	5.5	4.2	4.3	2.0
114	A05-303	4.8	5.2	4.4	5.0	3.3
115	A05-316	4.8	5.0	4.6	5.7	5.0
116	A05-320	4.8	5.2	4.4	6.0	4.0
117	A98-3322	4.8	4.8	4.8	8.0	9.0
118	A05-293	4.8	5.1	4.5	7.0	3.3
119	A05-342	4.8	4.9	4.7	2.7	5.3
120	A03-72	4.8	5.6	4.0	4.7	3.7
121	A05-306	4.8	5.3	4.2	6.3	6.3
122	A05-330	4.7	5.0	4.5	4.3	5.3
123	A05-352	4.7	5.4	4.1	2.7	5.7
124	H99-1778	4.7	4.6	4.7	8.3	8.0
125	A05-296	4.7	4.7	4.6	4.3	8.3
126	A05-318	4.6	4.5	4.7	4.7	6.0
127	A05-327	4.6	4.9	4.3	3.0	4.7
128	A05-304	4.6	4.7	4.4	6.0	7.3
129	Blackstone	4.6	5.0	4.2	5.0	7.3
130	A05-317	4.6	4.9	4.2	6.0	5.7
131	A05-344	4.6	5.1	4.0	4.0	2.3
132	A05-357	4.6	5.2	3.9	7.0	9.0
133	A05-311	4.5	4.9	4.2	7.3	7.0
134	A99-3110	4.5	5.1	3.9	3.7	3.7
135	A05-312	4.5	4.7	4.3	5.3	6.3
136	A05-340	4.5	5.0	4.0	5.3	4.7
137	H99-1772	4.5	4.6	4.4	6.3	8.3
138	A05-294	4.5	4.5	4.4	6.7	8.7
139	Champagne	4.5	4.4	4.5	5.3	6.3
140	A05-308	4.4	4.7	4.2	6.3	4.0

(Continued)

Table 7 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Seed Heads[3] May 2007
141	A05-313	4.4	5.0	3.9	5.0	5.7
142	A01-1789	4.4	4.1	4.8	7.0	6.3
143	Award	4.4	5.0	3.9	2.7	8.7
144	A96-454	4.4	4.7	4.1	5.0	3.7
145	A05-307	4.4	4.7	4.0	5.3	5.3
146	A93-201	4.3	4.7	3.9	6.3	5.3
147	A05-329	4.2	4.7	3.7	3.7	3.7
148	A05-332	4.2	4.5	3.9	4.3	5.0
149	A05-301	4.2	4.4	3.9	4.3	3.7
150	A05-337	4.1	4.8	3.4	4.3	2.7
151	A05-350	3.9	4.5	3.3	4.0	4.0
152	A03-55	3.9	4.4	3.3	5.3	7.3
153	P-104	3.7	4.6	2.7	3.3	8.0
154	Wild Horse	3.6	3.9	3.3	5.3	6.0
155	A05-291	3.5	4.4	2.5	3.3	3.3
156	A05-305	3.4	3.7	3.2	5.0	6.3
157	A05-348	2.6	2.7	2.4	4.3	5.3
158	A05-202	2.3	2.7	1.9	5.7	7.3
	LSD at 5% =	0.8	0.9	1.0	2.0	1.4

[1]9 = best turf quality
[2]9 = earliest spring green-up
[3]9 = least seed heads

Table 8. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2005 at Adelphia, NJ. (Includes all entries from the Cooperative Turfgrass Breeders Test.)

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Worn Turf Quality[3] Aug. 2007
1	PST-102S-117	6.1	6.1	6.1	3.3	4.7
2	A03-3	6.0	6.6	5.5	5.7	3.7
3	PST-102-862	6.0	5.4	6.5	5.0	4.5
4	Midnight Star	5.6	5.5	5.8	4.3	3.8
5	Midnight	5.6	6.0	5.1	1.0	3.7
6	PST-102-295	5.4	5.3	5.5	4.0	4.3
7	PST-109-996	5.4	4.7	6.1	7.0	5.2
8	Fahrenheit 90 (TB x KB hybrid[4])	5.4	5.9	4.8	3.0	3.8
9	A99LM-15 (TB x KB hybrid)	5.3	5.4	5.1	5.3	3.5
10	A97-2427	5.3	5.3	5.2	3.0	4.8
11	A00-2545	5.2	5.3	5.2	4.7	5.0
12	PST-103-585	5.2	4.5	5.9	5.7	4.2
13	PP028402	5.1	5.2	5.0	5.0	3.8
14	A03-38	5.1	5.0	5.0	6.7	3.5
15	A04TB-5 (TB x KB hybrid)	5.0	5.8	4.3	7.0	3.2
16	Bandera (TB x KB hybrid)	5.0	5.1	4.9	1.3	4.2
17	A03TB-417 (TB x KB hybrid)	4.9	5.0	4.8	4.0	4.7
18	PST-101-389	4.9	3.9	5.9	6.7	4.7
19	PST-102-567	4.9	5.1	4.7	3.3	4.0
20	Touche	4.9	5.2	4.6	4.3	4.3
21	PST-103-509	4.9	5.3	4.3	3.7	2.5
22	Longhorn	4.8	5.5	4.1	5.0	3.0
23	PST-101-92	4.8	4.9	4.7	3.0	3.5
24	STR 23064	4.7	4.6	4.9	3.0	4.3
25	A99-354	4.7	5.1	4.3	5.0	2.7
26	A00TB-52 (TB x KB hybrid)	4.7	4.7	4.7	3.7	3.5
27	A04TB-212 (TB x KB hybrid)	4.6	5.0	4.3	3.3	3.3
28	Pp H8510	4.6	4.6	4.6	4.3	3.8
29	Blue Fusion (TB x KB hybrid)	4.5	5.2	3.8	5.3	1.3
30	Starburst	4.5	4.2	4.8	6.0	4.7
31	Julia	4.4	3.9	4.8	5.7	4.7
32	A03TB-390 (TB x KB hybrid)	4.4	4.3	4.4	5.0	2.5
33	A97-1303	4.3	5.0	3.6	2.3	3.2
34	A97-1409	4.3	4.3	4.4	4.0	3.2
35	America	4.3	4.6	3.9	2.0	3.7

(Continued)

Table 8 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007	Worn Turf Quality[3] Aug. 2007
36	STR 2509	4.2	4.7	3.8	1.7	3.3
37	SR 2109	4.2	3.8	4.6	4.7	3.8
38	PST-A00-99	4.2	4.4	4.1	2.0	3.5
39	PST-1A3-167	4.1	3.7	4.5	4.0	3.8
40	STR 2332	4.1	4.5	3.7	2.0	3.8
41	Blue Devil	4.0	4.5	3.4	2.3	3.7
42	PST-102-965	4.0	4.2	3.7	3.0	3.0
43	Livingston	3.9	4.5	3.4	2.7	2.5
44	A01-845 (TB x KB hybrid)	3.9	3.9	4.0	3.7	2.8
45	AKB958	3.9	4.3	3.4	3.3	2.3
46	A03TB-708 (TB x KB hybrid)	3.8	4.0	3.6	7.0	3.2
47	AKB287	3.8	3.8	3.8	3.0	3.2
48	STR 23078	3.8	3.1	4.4	5.0	4.8
49	Spitfire	3.6	3.8	3.5	4.0	2.7
50	Comrade	3.5	3.8	3.2	1.0	3.5
51	PST-102-145	3.2	2.8	3.6	5.0	3.8
	LSD at 5% =	0.6	0.9	0.6	1.0	0.9

[1]9 = best turf quality
[2]9 = earliest spring green-up
[3]9 = best turf quality with wear (12 passes applied with novel wear simulator)
[4]Texas x Kentucky bluegrass hybrid

Table 9. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2005 at Adelphia, NJ. (Includes all entries of the 2005 National Kentucky Bluegrass Test - NTEP.)

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Winter Color[2] 2007	Spring Green-up[3] April 2007	Leaf Spot[4] May 2007	Color[2] Oct. 2007
1	Prosperity	6.8	6.7	6.9	3.0	4.7	8.3	8.0
2	Emblem	6.5	7.3	5.8	4.0	4.0	7.0	8.0
3	Blueberry	6.5	6.5	6.4	2.3	3.7	8.0	8.0
4	GZ-387	6.4	6.0	6.7	5.3	4.0	8.0	6.0
5	Solar Eclipse	6.4	6.6	6.1	1.0	1.7	6.3	7.0
6	Award	6.3	6.6	6.1	1.0	1.7	6.7	7.0
7	Impact	6.3	6.7	5.9	1.3	2.3	6.0	7.0
8	A05-297	6.3	6.6	6.0	1.7	2.7	7.0	8.0
9	Everest	6.3	6.8	5.8	1.7	1.7	5.7	7.3
10	Arcadia	6.2	6.8	5.7	1.0	2.3	5.3	6.3
11	Moon Beam	6.2	6.3	6.2	3.3	5.0	8.3	8.7
12	Bd 03-84	6.2	5.9	6.4	3.0	6.3	7.3	6.3
13	A00-1400	6.2	6.3	6.0	2.3	1.7	6.7	6.3
14	A03-50	6.2	6.7	5.6	1.0	2.0	5.0	7.0
15	A99-2031	6.2	6.1	6.2	2.7	4.7	7.3	7.3
16	Zinfandel	6.1	6.5	5.7	3.7	3.0	6.7	8.0
17	NuChicago	6.1	6.3	5.9	1.0	2.0	5.7	6.7
18	Alexa II	6.1	6.6	5.6	1.3	2.0	6.0	6.7
19	Midnight II	6.1	6.3	5.9	1.0	2.0	5.3	7.0
20	PST-1A2-409	6.1	6.5	5.6	3.3	2.7	5.3	7.7

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Winter Color[2] 2007	Spring Green-up[3] April 2007	Leaf Spot[4] May 2007	Color[2] Oct. 2007
21	Shiraz	6.1	5.9	6.2	5.0	6.3	7.3	5.3
22	A99-2123	6.1	5.8	6.3	3.3	5.7	7.0	5.3
23	J-1334	6.1	6.4	5.7	1.0	2.0	5.7	6.7
24	Moonlight SLT	6.1	6.8	5.3	4.0	4.3	7.7	6.7
25	Bd 03-159	6.0	6.3	5.8	5.0	6.0	7.7	5.0
26	Everglade	6.0	6.3	5.8	1.0	1.7	6.0	7.7
27	H94-292	6.0	6.4	5.7	2.0	4.7	7.3	6.3
28	Tsunami	6.0	6.3	5.8	1.0	2.3	5.7	5.7
29	GZ-385	6.0	6.1	5.9	4.0	3.7	7.3	5.7
30	Beyond	6.0	6.5	5.4	2.3	2.3	6.0	6.7
31	PST-1A4-311	6.0	5.9	6.0	3.7	4.3	6.3	6.7
32	A05-206	6.0	6.3	5.6	2.3	3.7	7.7	6.0
33	J-3429	5.9	6.2	5.7	2.7	3.3	6.3	8.7
34	PST-1A4-43	5.9	6.4	5.5	3.0	6.0	5.7	6.3
35	Quantam Leap	5.9	6.2	5.7	1.0	1.3	5.3	7.7
36	Excursion	5.9	6.3	5.5	1.0	2.3	5.7	6.3
37	PST-104-4	5.9	5.7	6.1	2.0	4.7	8.3	5.3
38	A04-71	5.9	6.2	5.6	3.3	2.7	4.3	6.0
39	Ginney II	5.9	6.5	5.3	1.0	2.0	6.0	7.0
40	A99-447	5.9	6.3	5.5	3.0	4.0	7.3	7.0
41	J-2502	5.9	6.5	5.2	1.7	2.0	6.3	7.0
42	RAD-WORG	5.9	5.7	6.1	3.3	7.0	7.0	3.0
43	A96-454	5.9	5.9	5.8	5.0	6.7	8.7	5.7
44	A05-324	5.8	5.7	5.9	2.7	4.7	7.3	3.7
45	Avid	5.8	6.0	5.6	3.7	2.7	7.7	4.7

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Winter Color[2] 2007	Spring Green-up[3] April 2007	Leaf Spot[4] May 2007	Color[2] Oct. 2007
46	Midnight	5.8	6.1	5.6	1.0	1.7	6.0	6.3
47	Skye	5.8	5.7	6.0	2.3	6.0	6.7	5.7
48	Bewitched	5.8	6.1	5.5	2.3	2.0	6.3	6.0
49	GZ-384	5.8	5.5	6.1	4.0	4.0	7.0	5.7
50	A99-2758	5.8	6.3	5.2	3.3	4.3	6.3	4.3
51	Blue Note	5.8	5.3	6.3	3.3	7.3	7.7	6.3
52	Yankee	5.8	5.9	5.7	3.3	4.3	7.7	7.0
53	Aura	5.8	5.9	5.7	4.7	6.3	4.7	5.0
54	A05-314	5.8	5.7	5.8	3.3	4.7	7.0	4.7
55	Argos	5.8	5.6	5.9	4.0	5.3	7.0	5.7
56	NuGlade	5.7	6.0	5.5	1.3	2.0	6.3	7.0
57	RAD-636	5.7	5.7	5.8	4.7	5.7	7.0	7.7
58	Mystere	5.7	5.8	5.6	6.7	7.3	4.7	5.7
59	Sudden Impact	5.7	5.9	5.4	1.0	2.0	5.7	6.3
60	A03-4	5.7	5.9	5.4	4.3	5.7	5.3	5.3
61	A95-1048	5.7	5.3	6.0	3.7	5.7	6.0	6.0
62	NuDestiny	5.7	6.2	5.1	1.0	1.7	5.7	7.7
63	A04-68	5.7	5.9	5.4	5.3	6.0	4.0	4.3
64	Bd 98-2108	5.7	5.6	5.7	4.0	6.0	5.3	5.0
65	Moonlight	5.7	5.6	5.7	2.7	3.7	8.3	6.7
66	A99-3122	5.6	5.5	5.8	3.3	4.3	6.3	5.7
67	Barrister	5.6	6.1	5.2	1.0	2.0	6.0	7.7
68	Rhythm	5.6	5.9	5.4	1.0	1.7	5.3	7.3
69	Granite	5.6	5.9	5.3	1.3	2.0	6.0	6.3
70	POPR 04594	5.6	5.3	5.9	4.7	6.7	5.7	3.7

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Winter Color[2] 2007	Spring Green-up[3] April 2007	Leaf Spot[4] May 2007	Color[2] Oct. 2007
71	Diva	5.6	5.7	5.5	2.7	4.7	7.3	4.7
72	MSP 3723	5.6	5.5	5.6	2.0	4.3	7.0	3.3
73	A00-1238	5.6	5.5	5.7	3.0	5.7	4.7	5.3
74	Kingfisher	5.6	5.3	5.9	5.3	6.0	6.7	5.7
75	4-Season	5.5	5.5	5.6	4.3	4.7	7.0	6.7
76	A01-583	5.5	5.9	5.2	5.7	5.7	6.7	5.7
77	A05-295	5.5	5.4	5.7	6.0	6.0	5.3	5.7
78	A97-1304	5.5	5.7	5.4	2.3	4.3	6.3	4.0
79	A05-361	5.5	5.6	5.4	4.0	6.0	6.7	5.0
80	Bluestone	5.5	5.8	5.2	1.3	2.3	6.3	6.3
81	Liberator	5.5	5.9	5.1	1.0	1.7	5.3	5.7
82	Princeton P-105	5.5	5.5	5.5	2.0	2.0	6.0	5.7
83	SW AG 514	5.5	5.7	5.3	2.7	3.3	7.3	5.3
84	PST-109-752	5.5	4.9	6.0	5.7	7.3	6.0	5.7
85	Rhapsody	5.5	5.5	5.5	3.0	6.3	6.7	5.3
86	STR 2485	5.5	5.2	5.8	4.0	7.0	6.7	5.0
87	Washington	5.5	5.4	5.6	3.0	5.7	6.3	2.7
88	Bd 99-2103	5.5	5.7	5.2	2.0	2.3	6.7	7.7
89	A00-247	5.4	5.2	5.7	3.0	5.0	6.7	3.7
90	A99-2026	5.4	5.4	5.5	2.3	2.0	7.0	6.0
91	A99-2377	5.4	5.8	5.1	3.0	3.3	7.3	6.0
92	PST-109-1110	5.4	5.4	5.5	2.7	4.3	8.3	7.3
93	PST-1A1-899	5.4	5.5	5.3	3.3	6.3	4.7	6.0
94	A03-55	5.4	5.8	5.0	4.0	4.7	7.0	6.7
95	PST-104-3	5.4	5.1	5.7	3.7	3.3	7.3	7.0

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Winter Color[2] 2007	Spring Green-up[3] April 2007	Leaf Spot[4] May 2007	Color[2] Oct. 2007
96	SR 2284	5.4	5.5	5.3	5.7	6.7	7.3	5.7
97	NA-3257	5.4	5.5	5.2	3.7	5.3	7.7	6.7
98	A00-1193	5.4	5.5	5.3	2.0	2.7	7.0	5.7
99	A00-99	5.4	5.3	5.4	2.7	4.0	7.0	3.7
100	A96-1338	5.4	5.4	5.3	3.3	7.0	5.0	3.3
101	North Star	5.4	5.5	5.2	2.0	3.3	6.7	5.7
102	Serene	5.4	5.6	5.1	4.7	5.0	7.0	5.3
103	Sonoma	5.4	5.2	5.5	2.7	4.3	7.0	5.3
104	STR 2509	5.4	5.3	5.4	3.0	4.3	7.0	4.0
105	A03-66	5.3	5.3	5.3	3.3	5.0	7.0	5.7
106	A04-32	5.3	5.5	5.1	2.7	4.3	6.7	6.0
107	A97-1409	5.3	5.5	5.1	5.0	5.0	6.7	6.0
108	A99-2717	5.3	5.1	5.5	2.3	5.3	6.7	3.0
109	Starburst	5.3	5.1	5.5	4.3	7.7	5.0	3.0
110	A05-335	5.3	5.3	5.2	2.3	4.3	6.3	4.0
111	PST-C-74	5.3	5.2	5.3	1.3	3.7	6.3	3.3
112	A00-1395	5.3	5.1	5.4	2.3	5.3	7.3	3.7
113	A99-269	5.3	5.2	5.3	2.0	4.3	7.7	3.7
114	Futurity	5.3	5.1	5.4	2.0	4.7	7.3	4.3
115	PST-102-360	5.3	5.2	5.3	2.7	3.7	6.3	6.3
116	A96-308	5.2	5.3	5.1	1.3	2.3	6.7	4.7
117	AKB449	5.2	5.7	4.7	3.3	4.3	7.0	6.0
118	MSP-3752	5.2	5.1	5.4	1.7	3.7	7.0	3.3
119	Touche	5.2	5.0	5.5	3.7	5.7	6.3	3.7
120	A99-2998	5.2	5.5	5.0	3.0	4.7	6.7	8.0

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Winter Color[2] 2007	Spring Green-up[3] April 2007	Leaf Spot[4] May 2007	Color[2] Oct. 2007
121	A00-1262	5.2	5.3	5.1	3.3	5.7	7.0	5.3
122	A05-362	5.2	5.4	5.0	3.3	4.3	6.0	6.3
123	PST-101-73	5.2	5.3	5.1	2.7	4.3	7.0	4.0
124	STR 2278	5.2	5.1	5.3	2.3	5.0	6.7	4.3
125	H99-1653	5.2	4.9	5.4	3.0	6.7	5.7	3.3
126	A99-523	5.2	5.3	5.0	2.0	4.0	6.7	3.7
127	PST-1A4-1103	5.2	5.9	4.4	3.3	4.0	5.3	4.3
128	PST-1A4-1139	5.2	5.1	5.2	6.7	7.7	7.3	5.0
129	A05-322	5.1	4.9	5.4	2.0	4.3	7.3	3.7
130	PSG 366	5.1	4.9	5.3	4.3	6.0	7.7	6.3
131	PST-1A3-1013	5.1	5.3	5.0	3.3	3.7	5.0	5.0
132	A99-2609	5.1	5.5	4.8	3.3	4.7	6.0	6.3
133	RAD-343	5.1	4.5	5.7	3.3	6.7	5.7	4.3
134	A99-2678	5.1	5.1	5.1	2.0	4.7	6.7	3.7
135	A05-204	5.1	5.3	4.8	3.7	5.3	8.0	7.0
136	Preakness	5.1	4.9	5.3	3.3	5.3	4.0	4.7
137	PST-1QG-38	5.1	5.0	5.2	2.0	3.7	6.0	3.0
138	A05-325	5.1	5.1	5.0	2.0	4.0	6.3	4.0
139	Dynamo	5.1	5.5	4.6	2.0	3.7	6.3	5.3
140	MSP 3724	5.1	5.1	5.1	1.3	5.3	6.7	2.7
141	PST-104-241	5.1	5.4	4.7	2.7	4.0	6.7	6.0
142	RAD-179	5.1	5.2	4.9	2.0	2.7	7.3	6.7
143	A05-321	5.1	4.8	5.3	3.7	4.3	7.3	4.0
144	A05-360	5.1	5.0	5.1	5.0	6.7	4.7	2.7
145	A99-2427	5.1	5.1	5.0	3.3	4.0	6.3	5.7

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Winter Color[2] 2007	Spring Green-up[3] April 2007	Leaf Spot[4] May 2007	Color[2] Oct. 2007
146	Glenmont	5.1	4.7	5.4	5.3	6.3	8.3	3.0
147	A04-51	5.0	5.3	4.7	3.3	5.0	7.0	5.0
148	A99-2545	5.0	5.1	4.9	3.7	5.0	5.7	6.7
149	Bd 95-1930	5.0	4.8	5.3	4.7	7.7	5.7	4.3
150	RAD-510	5.0	5.1	5.0	1.7	3.7	5.7	5.0
151	A97-1560	5.0	4.9	5.2	2.0	3.3	6.7	3.7
152	A98-3320	5.0	5.3	4.8	3.0	5.0	7.0	3.0
153	America	5.0	5.0	5.0	2.3	4.3	6.7	3.3
154	Mystique	5.0	4.8	5.2	2.3	4.7	7.0	3.0
155	RAD-762	5.0	4.6	5.4	3.7	6.0	6.0	4.0
156	STR 2451	5.0	4.8	5.2	2.0	4.7	7.0	4.3
157	Voyager II	5.0	4.9	5.2	2.3	5.3	5.7	3.7
158	A03-37	5.0	5.2	4.8	4.3	6.7	4.7	4.7
159	A05-354	5.0	5.3	4.7	4.7	3.7	8.0	7.3
160	Rampart	5.0	4.7	5.3	3.3	4.3	7.7	5.0
161	A00-1254	5.0	5.0	5.0	3.0	5.0	6.0	6.0
162	A05-347	5.0	5.2	4.8	2.0	2.0	6.7	6.7
163	Brilliant	5.0	4.7	5.3	2.0	3.3	6.7	3.7
164	MSP-3699	5.0	4.9	5.0	3.7	5.0	6.3	4.7
165	PST-1A4-312	5.0	5.1	4.9	4.7	5.7	7.0	9.0
166	RAD-504	5.0	5.3	4.6	2.7	4.0	7.0	7.0
167	RAD-511	5.0	4.7	5.2	1.3	3.0	6.3	5.0
168	STR 2553	5.0	4.9	5.0	1.7	4.0	6.0	3.3
169	A00-2882	5.0	4.9	5.0	4.3	5.0	6.3	5.7
170	A05-292	5.0	5.0	4.9	3.7	6.7	5.7	5.3

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Winter Color[2] 2007	Spring Green-up[3] April 2007	Leaf Spot[4] May 2007	Color[2] Oct. 2007
171	A99-3110	5.0	5.3	4.7	3.7	4.3	7.7	7.3
172	RAD-513	5.0	4.9	5.1	2.3	4.0	7.0	3.0
173	Rubican	5.0	5.1	4.9	5.0	7.0	5.3	4.3
174	A05-316	5.0	4.7	5.2	3.0	5.3	4.3	4.7
175	A99-2337	5.0	5.2	4.7	3.0	4.3	7.3	5.3
176	PSG 711	5.0	4.7	5.2	1.7	5.0	7.0	3.0
177	Rugby II	5.0	5.4	4.5	2.3	3.3	5.0	5.7
178	SR 2100	4.9	4.9	5.0	2.7	3.7	6.3	5.0
179	1459-11	4.9	5.4	4.4	2.3	1.7	6.3	7.3
180	A03-72	4.9	5.3	4.5	3.0	3.3	7.0	7.0
181	Baron	4.9	4.9	4.9	1.3	4.7	5.7	4.0
182	MSP-3700	4.9	4.9	4.9	1.7	4.0	7.0	4.7
183	RAD-503	4.9	5.1	4.6	3.0	5.3	4.7	4.7
184	STR 2332	4.9	5.0	4.7	2.0	5.3	7.7	3.7
185	A00-52	4.9	4.9	4.8	4.0	6.7	5.0	2.0
186	A05-334	4.9	5.1	4.6	3.3	4.7	7.7	7.7
187	Blackstone	4.9	4.4	5.3	5.3	6.0	8.0	4.7
188	H98-701	4.9	4.7	5.0	1.3	4.3	6.7	3.0
189	Midnight Star	4.9	5.1	4.6	3.0	4.7	6.0	6.0
190	PST-102-327	4.9	5.1	4.6	3.7	3.3	5.7	5.3
191	PST-1A4-394	4.9	4.5	5.2	3.0	6.3	5.7	5.3
192	Royce	4.9	4.7	5.0	1.7	4.3	7.0	3.7
193	A03-79	4.8	4.8	4.9	5.0	5.7	7.3	6.3
194	Aries	4.8	4.5	5.1	3.7	5.7	5.7	4.3
195	DP 76-9066	4.8	5.0	4.7	3.0	3.3	6.0	5.7

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Winter Color[2] 2007	Spring Green-up[3] April 2007	Leaf Spot[4] May 2007	Color[2] Oct. 2007
196	PST-1A3-137	4.8	4.7	5.0	1.3	3.7	7.0	7.0
197	RAD-512	4.8	4.7	4.9	3.0	4.7	5.7	5.0
198	Cabernet	4.8	4.7	5.0	2.3	5.7	5.0	3.3
199	A01-250	4.8	4.6	5.0	2.0	3.7	6.7	4.0
200	Bandera (TB x KB hybrid[5])	4.8	4.6	5.0	1.0	3.3	5.3	4.0
201	Belissimo	4.8	4.6	5.0	2.0	3.0	6.7	3.3
202	STR 2109	4.8	4.5	5.1	4.7	5.7	8.0	2.0
203	Denim	4.8	4.8	4.7	3.0	3.7	6.3	5.7
204	A93-201	4.7	4.5	4.9	3.7	6.0	5.3	5.0
205	Julia	4.7	4.4	5.1	3.7	5.0	6.0	5.3
206	RAD-OAN64	4.7	4.3	5.2	3.7	5.3	6.7	5.7
207	STR 23078	4.7	4.3	5.1	4.0	5.3	7.7	4.7
208	A03-38	4.7	4.5	5.0	5.0	6.0	4.3	5.0
209	MSP 3722	4.7	4.8	4.6	2.7	3.3	7.0	5.7
210	PST-1A2-1440	4.7	4.5	4.9	3.0	5.7	5.7	6.0
211	CPP 821	4.7	4.3	5.0	2.7	5.3	7.3	4.0
212	CPP 822	4.7	4.7	4.6	3.0	5.3	7.7	4.3
213	Showcase	4.7	4.6	4.7	2.0	4.0	6.3	4.3
214	A01-299	4.7	5.0	4.3	3.0	3.0	6.3	5.3
215	CP 76-9068	4.6	4.3	4.9	3.0	4.7	7.3	3.7
216	A00-2442	4.6	4.6	4.6	3.0	5.3	5.0	4.0
217	Cheetah	4.6	4.8	4.4	4.3	4.7	3.3	4.7
218	CPP 817	4.6	4.8	4.4	2.3	6.3	5.7	4.7
219	STR 23064	4.6	4.5	4.7	2.7	3.3	7.7	5.3
220	A95-410	4.6	4.9	4.3	3.0	3.7	6.3	5.0

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Winter Color[2] 2007	Spring Green-up[3] April 2007	Leaf Spot[4] May 2007	Color[2] Oct. 2007
221	Bordeaux	4.6	4.6	4.6	3.3	5.0	7.0	5.0
222	A05-205	4.6	4.3	4.8	2.3	4.3	5.3	3.3
223	Shamrock	4.6	4.5	4.6	4.0	6.0	6.7	4.7
224	Wild Horse	4.6	4.1	5.0	3.3	5.7	5.7	4.3
225	A98-689	4.5	4.7	4.4	4.3	5.0	6.3	2.7
226	PST-102-110	4.5	4.1	4.9	4.7	6.0	7.3	4.3
227	DLF 76-9075	4.5	4.4	4.6	3.0	7.0	4.7	2.3
228	PST-102-983	4.5	4.5	4.5	4.7	4.3	6.7	8.0
229	BAR VV 9630	4.5	4.7	4.3	3.7	3.7	6.3	5.0
230	BAR VV 9634	4.5	4.8	4.2	3.0	5.3	7.0	4.7
231	PST-104-118	4.5	4.5	4.5	3.3	6.7	4.7	7.0
232	Ulysses	4.5	3.9	5.1	5.0	6.0	7.0	5.0
233	PST-104-844	4.5	4.1	4.9	3.7	4.7	6.3	6.7
234	BAR VV 8536	4.5	4.8	4.1	2.0	4.3	5.7	5.0
235	Bd 98-1358	4.5	4.2	4.7	4.0	6.3	6.0	4.3
236	PST-102-158	4.5	4.9	4.1	2.7	5.7	7.7	5.7
237	BAR VV 0709	4.5	4.5	4.4	4.3	7.0	2.3	2.3
238	Eagleton	4.4	4.4	4.5	3.0	5.0	4.0	2.3
239	A05-201	4.4	4.1	4.8	2.7	5.3	4.7	5.3
240	A05-313	4.4	4.4	4.4	2.3	3.3	5.7	3.0
241	Arrow	4.4	4.2	4.6	3.7	3.7	6.3	5.7
242	Harmonie	4.4	4.3	4.5	2.7	4.7	6.7	4.0
243	PST-102-43	4.4	4.2	4.6	3.3	2.7	6.3	4.3
244	Livingston	4.4	4.3	4.5	3.7	5.3	5.7	3.0
245	Moonshine	4.4	4.0	4.8	3.3	5.7	5.7	4.7

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Winter Color[2] 2007	Spring Green-up[3] April 2007	Leaf Spot[4] May 2007	Color[2] Oct. 2007
246	Opti-Green	4.4	4.1	4.6	2.7	5.0	6.0	4.0
247	PST-1A3-1015	4.4	4.7	4.1	3.7	3.3	6.3	8.0
248	Hunnington	4.4	4.3	4.4	3.3	5.0	4.7	1.7
249	A05-200	4.3	4.6	4.0	3.3	4.3	7.0	6.3
250	Pinot	4.3	3.9	4.6	4.3	5.3	7.7	6.7
251	Evora	4.3	4.7	3.8	1.7	2.7	6.7	6.0
252	A05-203	4.3	4.6	3.9	5.3	5.0	6.7	5.3
253	H94-305	4.2	4.2	4.2	3.0	6.3	5.0	1.3
254	PST-1G4-66	4.2	3.9	4.5	5.0	5.7	7.3	4.3
255	RAD-344	4.2	3.8	4.6	4.3	5.7	7.0	5.7
256	Bariris	4.2	3.7	4.6	3.3	4.7	7.0	4.3
257	High Noon	4.2	4.4	3.9	3.7	5.3	5.7	5.0
258	BAR VK 0710	4.1	3.9	4.3	2.0	3.0	5.7	1.7
259	PST-102-324A	4.1	4.2	4.0	3.0	4.0	5.3	4.0
260	Champagne	4.1	4.1	4.1	3.0	3.7	5.7	4.0
261	PST-104-59	4.1	3.8	4.4	2.3	6.0	4.3	2.7
262	Volt	4.1	3.9	4.2	3.3	6.0	5.7	6.3
263	98-16 yellow	4.1	3.7	4.4	2.0	5.0	5.3	2.7
264	RAD-458	4.0	4.5	3.6	3.0	4.3	5.3	5.0
265	SPTR 2959	4.0	3.6	4.4	3.7	5.3	6.3	4.7
266	A00-2469	4.0	3.9	4.0	2.7	5.0	6.0	4.3
267	PST-102-688	4.0	4.1	3.9	2.7	3.3	6.3	7.0
268	Arrowhead	4.0	3.7	4.2	3.0	5.7	7.3	6.7
269	PST-1A4-1033	3.9	4.4	3.5	3.7	5.0	6.0	5.0
270	PST-1A4-1102	3.9	3.9	3.9	2.3	5.0	6.0	6.0

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Winter Color[2] 2007	Spring Green-up[3] April 2007	Leaf Spot[4] May 2007	Color[2] Oct. 2007
271	Thorough-Blue	3.8	3.9	3.7	3.3	4.7	2.7	3.0
272	RAD-603	3.8	4.1	3.5	3.3	6.0	7.0	4.3
273	RAD-622	3.8	3.7	4.0	3.7	4.7	3.7	5.3
274	PST-1AP4-34	3.8	4.3	3.4	4.0	5.7	6.3	6.7
275	PST-102-354	3.8	3.5	4.0	5.3	5.3	7.0	6.0
276	PST-104-179	3.8	3.7	3.8	3.3	5.0	6.3	5.0
277	PST-1G4-67	3.8	3.4	4.1	5.7	5.7	7.3	4.3
278	Kenblue	3.7	4.0	3.4	1.3	7.7	1.0	1.7
279	PST-1A4-1036	3.7	4.0	3.4	3.0	4.3	6.7	6.7
280	BAR VV 0665	3.7	4.1	3.3	2.7	5.3	4.3	3.0
281	98-21 blue	3.7	3.6	3.7	3.3	5.7	6.0	1.7
282	A00-107	3.7	3.7	3.6	3.3	4.0	4.7	5.0
283	Aviator	3.7	3.6	3.7	3.3	5.3	6.0	6.3
284	PST-1A3-1189	3.6	4.3	3.0	2.7	5.0	6.0	6.0
285	A03-162	3.6	3.5	3.7	3.0	7.0	1.0	2.3
286	98-10 purple	3.6	3.8	3.4	4.0	8.3	1.7	1.0
287	PST-1A4-533	3.6	3.7	3.5	3.0	4.7	3.7	5.7
288	RAD-515	3.6	3.5	3.6	2.3	4.0	4.3	3.0
289	SRX 20RF	3.6	3.5	3.6	1.7	3.0	6.0	1.0
290	Comrade	3.5	3.8	3.2	4.0	4.0	3.7	4.0
291	DP 76-9081	3.5	3.1	3.8	4.3	7.0	4.3	1.0
292	PST-102-692	3.4	3.5	3.3	3.3	5.0	6.3	7.3
293	PST-103-630	3.4	4.0	2.8	3.3	3.7	5.7	7.0
294	PST-1A3-472	3.4	3.4	3.4	1.7	2.3	5.3	4.0
295	Corsair	3.3	3.1	3.5	4.3	5.3	6.3	6.0

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Winter Color[2] 2007	Spring Green-up[3] April 2007	Leaf Spot[4] May 2007	Color[2] Oct. 2007
296	PST-102-690	3.3	3.4	3.2	3.7	4.0	7.3	7.3
297	PST-102-238	3.3	3.4	3.2	4.3	4.3	5.3	5.0
298	PST-1A94-21	3.3	3.4	3.1	4.0	5.3	3.3	6.3
299	RAD-664	3.3	3.2	3.3	4.0	4.3	4.3	5.3
300	PST-1A3-1279	3.2	3.1	3.3	5.0	5.3	7.7	6.0
301	Moon Struck	3.2	3.1	3.2	3.7	8.0	2.3	1.0
302	RAD-696	3.1	3.1	3.1	2.3	4.7	1.7	4.0
303	A05-202	3.1	3.1	3.1	3.7	5.3	1.3	6.0
304	RAD-656	3.1	3.1	3.0	3.0	3.3	4.3	5.0
305	PST-102-1013	2.9	2.9	3.0	2.7	4.3	3.7	1.7
306	Blue Angel	2.9	2.9	2.8	3.7	8.3	1.0	1.7
307	PST-1G4-65	2.9	2.7	3.1	4.0	4.3	6.3	7.3
308	Reveille (TB x KB hybrid)	2.8	3.0	2.7	1.3	6.0	1.3	4.3
309	RAD-652	2.8	2.9	2.7	3.7	4.7	2.7	5.0
310	PST-102-239	2.8	2.7	2.8	4.3	3.7	5.0	6.0
311	PST-102-803	2.1	1.9	2.3	3.7	4.0	4.3	5.0
	LSD at 5% =	0.8	1.0	0.8	1.2	1.4	1.3	1.4

[1]9 = best turf quality
[2]9 = darkest green color
[3]9 = earliest spring green-up
[4]9 = least disease
[5]Texas x Kentucky bluegrass hybrid

Table 10. Performance of Texas x Kentucky bluegrass hybrid cultivars and selections in a turf trial seeded in September 2005 at Adelphia, NJ.

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007
1	A03TB-589	5.8	5.6	6.1	3.0
2	A03TB-417	5.8	5.8	5.7	5.3
3	A02-943	5.8	6.7	4.9	6.0
4	A03TB-252	5.7	5.9	5.5	4.3
5	Midnight (KB[3])	5.7	6.4	5.0	1.3
6	A03TB-390	5.6	6.0	5.2	6.7
7	Langara (KB)	5.5	6.0	5.0	3.7
8	A03TB-676	5.4	5.3	5.6	6.7
9	A03TB-431	5.2	5.5	4.8	5.3
10	A04TB-212	5.2	6.3	4.1	5.0
11	A99LM-15	5.1	4.9	5.4	5.7
12	A03TB-490	5.1	4.9	5.3	2.0
13	A03TB-668	5.1	5.6	4.6	5.3
14	A03TB-568	5.1	5.4	4.8	2.0
15	A04TB-192	5.0	5.4	4.7	5.3
16	A05TB-41	5.0	5.6	4.5	6.0
17	A03TB-795	4.9	4.9	4.9	6.0
18	A03TB-559	4.9	5.4	4.3	4.3
19	A02-975	4.8	5.4	4.2	5.0
20	A05TB-51	4.8	5.0	4.6	3.3
21	A03TB-286	4.8	4.9	4.7	5.7
22	A03TB-246	4.8	5.1	4.4	7.7
23	A03TB-718	4.8	5.7	3.8	6.0
24	A03TB-383	4.7	5.5	4.0	4.7
25	A01-881	4.7	4.8	4.5	6.3
26	Blue Fusion	4.7	5.1	4.2	7.0
27	A03TB-788	4.6	5.2	4.0	5.0
28	A05TB-43	4.6	4.8	4.4	5.0
29	A05TB-46	4.6	5.3	3.8	6.7
30	A05TB-40	4.5	5.4	3.6	4.3
31	Unique (KB)	4.5	5.1	4.0	2.3
32	Eagleton (KB)	4.5	4.5	4.5	5.0
33	A03TB-485	4.5	4.3	4.6	6.3
34	A05TB-47	4.5	5.0	3.9	4.3
35	RSP (KB)	4.4	5.1	3.8	7.7

(Continued)

Table 10 (continued).

	Cultivar or Selection	Turf Quality[1] 2006-2007 Avg.	Turf Quality[1] 2006 Avg.	Turf Quality[1] 2007 Avg.	Spring Green-up[2] April 2007
36	PST-C-74 (KB)	4.4	4.7	4.0	2.3
37	A03TB-708	4.4	5.3	3.5	8.0
38	A05TB-39	4.4	5.3	3.5	4.7
39	A05TB-49	4.3	4.3	4.4	7.3
40	A03TB-412	4.3	4.5	4.0	2.7
41	Blue Devil (KB)	4.2	4.8	3.6	3.3
42	A05TB-50	4.2	4.8	3.6	4.0
43	A04TB-5	4.0	4.9	3.2	3.0
44	A05TB-42	3.9	4.2	3.6	4.3
45	A05TB-44	3.8	4.1	3.4	5.0
46	A05TB-45	3.8	4.9	2.7	7.0
47	A03TB-330	3.7	3.8	3.7	3.3
48	A05TB-48	3.3	3.9	2.7	4.7
49	A03TB-361	3.1	3.4	2.7	6.3
50	A05TB-38	2.7	2.6	2.8	4.0
51	Reveille	2.3	2.7	2.0	7.3
	LSD at 5% =	0.6	0.8	0.7	1.2

[1]9 = best turf quality
[2]9 = earliest spring green-up
[3]Kentucky bluegrass standard

Table 11. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2006 at North Brunswick, NJ.

	Cultivar or Selection	Turf Quality[1] 2007	Establishment[2] Oct. 2006	Billbug Damage[2] Aug. 2007
1	A01-1106	6.4	7.7	8.7
2	A03-3606-8	6.3	7.0	9.0
3	A06-9	6.2	6.7	9.0
4	Hunnington	6.2	7.7	9.0
5	A06-46	6.1	6.7	8.3
6	A05-295	6.1	7.3	7.7
7	A05-373	6.0	7.0	7.0
8	A05-347	6.0	7.0	9.0
9	A03-3590-6	6.0	5.7	9.0
10	Mystique	5.9	6.0	9.0
11	A98-363	5.8	6.7	9.0
12	A05-336	5.8	7.0	8.7
13	A06-84	5.8	6.3	9.0
14	A05-322	5.8	7.0	8.3
15	A05-331	5.8	7.3	8.3
16	Bewitched	5.8	7.3	9.0
17	Diva	5.8	7.0	9.0
18	A06-26	5.7	6.7	9.0
19	Midnight	5.6	7.0	7.0
20	A06-10	5.6	6.7	7.7
21	A99-523	5.6	7.7	8.7
22	A05-324	5.6	7.3	9.0
23	A05-328	5.5	7.3	8.3
24	Blue Note	5.5	6.3	8.0
25	Mystere	5.5	6.7	8.3
26	A05-362	5.4	7.3	7.7
27	A06-33	5.4	6.7	9.0
28	A96-1338	5.4	8.3	9.0
29	A06-24	5.4	6.3	8.3
30	A06-2	5.3	6.7	8.0
31	A06-35	5.3	6.3	8.0
32	H01-844	5.3	8.0	7.0
33	A04-1368	5.3	6.3	8.0
34	A04-66	5.3	6.0	6.0
35	A05-334	5.3	7.0	8.3

(Continued)

Table 11 (continued).

	Cultivar or Selection	Turf Quality[1] 2007	Establishment[2] Oct. 2006	Billbug Damage[2] Aug. 2007
36	A99-2031	5.3	6.3	7.3
37	A03TB-676 (TB x KB hybrid[4])	5.3	7.0	9.0
38	A06-27	5.3	6.7	8.0
39	A04-68	5.3	6.3	8.0
40	A05-333	5.3	7.0	8.0
41	A98-3369	5.3	6.7	6.0
42	Eagleton	5.3	7.3	8.0
43	A06-19	5.2	6.0	8.3
44	A06-28	5.2	6.0	7.0
45	H01-700	5.2	6.0	8.3
46	A99-2377	5.2	5.7	9.0
47	A05-339	5.2	7.0	7.0
48	A05-336	5.2	6.7	8.7
49	A05-314	5.2	6.3	6.7
50	Ginney	5.2	7.0	8.0
51	A06-13	5.2	5.3	9.0
52	A04-1568	5.2	6.7	7.0
53	A05-316	5.2	6.7	7.7
54	A05-335	5.2	6.7	8.3
55	A04-1569	5.1	6.0	8.3
56	A06-25	5.1	6.3	8.0
57	A06-32	5.1	5.7	5.7
58	A03-1	5.1	5.3	7.7
59	A03-3597-1	5.1	6.7	7.3
60	A06-5	5.1	6.3	8.0
61	A01-1789	5.1	7.7	6.7
62	A93-478	5.0	6.3	6.3
63	A99-2758	5.0	6.7	6.7
64	A05-297	5.0	6.0	8.7
65	A06-4	5.0	6.3	7.7
66	A98-3322	5.0	7.7	5.3
67	A06-20	4.9	6.0	8.7
68	A04-383	4.9	7.3	6.0
69	A06-42	4.9	7.0	6.0
70	A99-2377	4.9	5.3	8.3

(Continued)

Table 11 (continued).

	Cultivar or Selection	Turf Quality[1] 2007	Establishment[2] Oct. 2006	Billbug Damage[2] Aug. 2007
71	A00-3030	4.9	7.7	8.3
72	A00-3037	4.9	8.0	8.7
73	A99-2026	4.9	7.0	7.3
74	A06-7	4.8	6.3	8.0
75	A06-16	4.8	6.3	7.7
76	A06-29	4.8	7.3	8.0
77	A06-37	4.8	6.3	7.3
78	A06-40	4.8	6.3	7.3
79	A97-1799	4.8	7.0	6.3
80	A04-1381	4.8	7.0	7.7
81	A04-69	4.8	7.0	5.0
82	A04-1321	4.8	7.0	4.7
83	A05-323	4.8	5.0	8.3
84	A06-3	4.8	6.3	6.3
85	A03-69	4.8	5.7	5.3
86	A04-1377	4.7	6.3	6.0
87	A04-1529	4.7	6.7	8.0
88	A06-12	4.7	6.7	7.7
89	A00-2621	4.7	7.3	5.0
90	A06-47	4.7	5.0	6.3
91	A04-1286	4.7	7.3	5.3
92	A06-18	4.6	5.7	9.0
93	A06-44	4.6	7.3	7.3
94	A99-2123	4.6	6.0	8.0
95	H01-938	4.6	7.3	6.0
96	A03TB-252 (TB x KB hybrid)	4.6	5.0	8.3
97	A06-8	4.6	6.0	7.0
98	A06-30	4.6	4.0	6.7
99	A95-1048	4.6	7.3	5.3
100	Princeton P-105	4.6	5.7	5.7
101	A06-15	4.5	6.0	7.3
102	A03TB-411 (TB x KB hybrid)	4.5	6.0	7.7
103	A03TB-422 (TB x KB hybrid)	4.5	4.0	8.7
104	A06-23	4.5	6.0	8.0
105	A04-391	4.5	6.7	5.7

(Continued)

Table 11 (continued).

	Cultivar or Selection	Turf Quality[1] 2007	Establishment[2] Oct. 2006	Billbug Damage[3] Aug. 2007
106	A04-46	4.5	5.3	4.7
107	A06-14	4.5	5.7	7.7
108	Fahrenheit 90 (TB x KB hybrid)	4.5	5.7	5.7
109	A03TB-677 (TB x KB hybrid)	4.5	7.0	8.0
110	A06-36	4.4	6.7	4.3
111	A05-310	4.4	6.0	7.0
112	A04-71	4.4	6.3	6.0
113	A06-6	4.4	7.0	7.0
114	A04-394	4.4	6.0	5.0
115	H94-305	4.4	7.3	8.7
116	A04TB-275 (TB x KB hybrid)	4.4	4.3	5.3
117	A06-21	4.3	6.3	7.7
118	A04-1473	4.3	6.7	4.3
119	A94MH-94	4.3	6.7	4.7
120	A99-3239	4.3	6.7	6.3
121	A05-306	4.3	7.0	7.3
122	A04-1268	4.3	7.3	6.7
123	A03TB-567 (TB x KB hybrid)	4.3	6.7	6.0
124	A06-11	4.2	6.0	7.0
125	A06-41	4.2	6.7	5.0
126	A04-37	4.2	6.0	6.7
127	A03TB-795 (TB x KB hybrid)	4.2	5.3	6.7
128	A04TB-281 (TB x KB hybrid)	4.2	4.3	6.3
129	A06-34	4.2	5.3	7.0
130	H97-297	4.2	6.0	5.7
131	A06-38	4.1	6.0	5.3
132	A06-1	4.1	5.0	7.0
133	A06-31	4.1	6.3	4.0
134	A05-204	4.1	5.3	7.7
135	A06-45	4.0	7.3	3.0
136	A00-2486	4.0	5.3	3.3
137	A05-359	4.0	6.3	5.0
138	A98-3366	4.0	7.0	4.3
139	A03-37	4.0	6.0	5.0
140	A04-1373	3.9	7.0	5.7

(Continued)

Table 11 (continued).

	Cultivar or Selection	Turf Quality[1] 2007	Establishment[2] Oct. 2006	Billbug Damage[3] Aug. 2007
141	A05-367	3.9	5.7	4.3
142	Guinness	3.9	5.7	6.0
143	A03TB-246 (TB x KB hybrid)	3.9	5.7	7.3
144	A05-329	3.8	5.7	8.0
145	A03TB-423 (TB x KB hybrid)	3.8	5.0	6.3
146	A06-22	3.7	5.7	4.7
147	A06-17	3.7	6.3	5.3
148	A06-39	3.7	5.3	4.0
149	A04-1272	3.6	7.3	3.0
150	A05-313	3.5	6.3	5.7
151	A03TB-559 (TB x KB hybrid)	3.5	5.0	4.7
152	A03TB-718 (TB x KB hybrid)	3.2	4.7	5.7
153	A04TB-334 (TB x KB hybrid)	3.2	6.0	3.7
154	A03TB-391 (TB x KB hybrid)	3.1	4.3	6.0
155	A03TB-416 (TB x KB hybrid)	3.1	5.0	4.7
156	A04TB-7 (TB x KB hybrid)	2.9	3.0	6.7
157	A06-43	2.8	5.0	2.3
158	A03TB-500 (TB x KB hybrid)	2.8	3.3	5.7
159	A04TB-267 (TB x KB hybrid)	1.8	1.3	4.7
160	A04TB-157 (TB x KB hybrid)	1.5	2.3	4.3
	LSD at 5% =	0.9	1.2	2.1

[1]9 = best turf quality
[2]9 = most rapid seedling emergence
[3]9 = least billbug damage
[4]Kentucky bluegrass standard

Table 12. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2006 at Adelphia, NJ.

	Cultivar or Selection	Turf Quality[1] 2007	Establishment[2] March 2007	Winter Color[3] March 2007
1	PST-1A2-409	7.0	7.3	5.0
2	PST-103-585	6.6	7.0	5.3
3	Bewitched	6.6	7.0	6.0
4	A04-68	6.5	7.7	5.0
5	PST-104-133	6.5	6.3	5.0
6	Blue-Rriffic	6.2	6.7	5.0
7	A97-1686	6.2	7.3	3.7
8	A00-1193	6.2	6.7	5.7
9	A99-2031	6.1	8.0	6.7
10	A03-51	6.1	6.7	5.3
11	A04-1272	6.1	7.3	3.3
12	A03-3590-6	6.0	7.3	7.0
13	A99-2758	6.0	8.0	4.7
14	PST-102S-117	6.0	6.3	4.0
15	RAD-504	6.0	7.0	5.0
16	Rhythm	6.0	6.7	3.7
17	A03TB-795 (TB x KB hybrid[4])	6.0	6.3	6.3
18	A06-19	6.0	6.0	6.0
19	Aura	6.0	7.0	5.7
20	Yankee	6.0	7.3	5.7
21	A00-3030	5.9	8.0	6.3
22	Arcadia	5.9	6.3	2.3
23	A03-3606-8	5.9	7.3	5.7
24	A03-4	5.9	7.3	5.3
25	A04-69	5.9	6.7	4.0
26	A06-24	5.9	5.7	4.3
27	H01-697	5.9	6.7	4.7
28	P-707	5.9	7.0	5.0
29	RAD-631	5.9	7.7	6.3
30	STR 235	5.9	5.7	4.7
31	A06-26	5.8	6.0	5.3
32	A06-84	5.8	6.3	5.3
33	Mystere	5.8	7.3	5.0
34	Blue Note	5.8	7.0	4.3
35	A03TB-422 (TB x KB hybrid)	5.8	6.0	6.0

(Continued)

Table 12 (continued).

	Cultivar or Selection	Turf Quality[1] 2007	Establishment[2] March 2007	Winter Color[3] March 2007
36	A05-354	5.8	6.7	5.3
37	A06-2	5.8	7.0	5.3
38	A06-33	5.8	7.0	6.7
39	Midnight	5.8	6.7	3.0
40	Moonlight SLT	5.8	6.0	5.3
41	A03-1	5.8	6.3	5.0
42	PST-103-354	5.8	7.0	4.3
43	Quantum Leap	5.8	6.7	3.0
44	A05-367	5.7	7.3	5.0
45	A06-8	5.7	7.0	6.0
46	PST-103-87	5.7	6.7	6.3
47	A04-1473	5.7	7.3	3.3
48	A05-347	5.7	7.3	4.7
49	A99-2026	5.7	8.0	6.0
50	A05-366	5.7	7.7	6.0
51	A05-373	5.7	7.0	6.0
52	Midnight II	5.7	7.0	2.7
53	A04-1569	5.6	6.3	3.7
54	A01-1106	5.6	7.0	5.7
55	A06-28	5.6	6.0	4.3
56	A04-1568	5.6	7.0	3.0
57	A05-362	5.6	6.3	4.0
58	A98-3366	5.6	6.7	5.7
59	Moon Beam	5.6	6.0	3.7
60	Midnight Star	5.5	7.0	4.7
61	PST-102-45	5.5	7.7	5.3
62	PST-109-752	5.5	7.3	6.7
63	PP 028402	5.5	6.7	5.3
64	A04-71	5.5	6.7	5.7
65	A05-351	5.5	6.7	4.3
66	Alpine	5.5	6.7	3.0
67	Bluestone	5.5	6.7	4.0
68	PST-102-862	5.5	5.7	4.7
69	STR 2485	5.5	6.7	6.3
70	A05-297	5.4	5.7	4.0

(Continued)

Table 12 (continued).

	Cultivar or Selection	Turf Quality[1] 2007	Establishment[2] March 2007	Winter Color[3] March 2007
71	A05-333	5.4	7.3	5.7
72	A05-334	5.4	7.7	6.3
73	A06-6	5.4	6.0	4.0
74	H01-700	5.4	6.3	4.3
75	A05-322	5.4	7.0	6.3
76	A99-2123	5.4	7.7	6.3
77	Blue-tastic	5.4	6.3	5.0
78	PST-1A2-1440	5.4	7.3	6.0
79	RAD-630	5.4	7.7	4.0
80	Rubican	5.4	7.3	4.0
81	SR 2109	5.4	7.0	3.0
82	STR 23064	5.4	6.7	3.7
83	A03-3597-1	5.4	7.0	4.7
84	A03TB-677 (TB x KB hybrid)	5.4	7.3	5.0
85	A99-2377	5.4	6.7	5.0
86	A03TB-676 (TB x KB hybrid)	5.3	7.0	4.3
87	A04-1321	5.3	6.0	4.0
88	A06-23	5.3	6.7	5.7
89	A06-46	5.3	6.7	6.3
90	PST-101-92	5.3	6.7	2.7
91	RAD-513	5.3	7.3	5.3
92	A00-3037	5.3	7.0	6.0
93	A05-295	5.3	7.7	6.3
94	A06-40	5.3	7.3	5.3
95	Moonlight	5.3	6.7	4.3
96	Ginney	5.3	6.7	2.7
97	A04-1529	5.2	6.0	3.3
98	A05-314	5.2	6.7	6.0
99	A06-37	5.2	7.7	6.7
100	PST-109-285	5.2	5.7	4.3
101	A03-34	5.2	6.3	5.3
102	A03-37	5.2	7.0	5.7
103	A95-1048	5.2	6.7	4.7
104	A96-1338	5.2	8.0	6.0
105	A06-13	5.2	6.7	4.0

(Continued)

Table 12 (continued).

	Cultivar or Selection	Turf Quality[1] 2007	Establishment[2] March 2007	Winter Color[3] March 2007
106	A06-20	5.2	6.3	5.7
107	Diva	5.2	7.0	5.0
108	PST-102-983	5.2	7.0	6.3
109	RAD-458	5.2	6.0	4.3
110	Touche	5.2	7.7	6.3
111	A06-29	5.1	7.3	7.3
112	A04-1381	5.1	5.3	2.7
113	A05-336	5.1	7.0	5.0
114	A06-42	5.1	6.3	5.0
115	A98-3369	5.1	6.7	4.0
116	RAD-457	5.1	6.7	4.3
117	A04-1368	5.1	6.7	4.0
118	A06-11	5.1	6.3	5.0
119	Royale	5.1	6.3	5.3
120	A06-35	5.0	6.7	4.3
121	A06-9	5.0	6.0	5.3
122	A94MH-94	5.0	7.3	5.0
123	RAD-510	5.0	6.0	3.0
124	A03-71	5.0	7.3	5.3
125	A03TB-500 (TB x KB hybrid)	5.0	5.7	4.0
126	A04-1286	5.0	5.7	2.0
127	A05-324	5.0	7.7	6.3
128	A06-31	5.0	6.0	3.7
129	A06-47	5.0	6.0	3.7
130	A99-523	5.0	8.3	5.3
131	Argos	5.0	7.0	5.7
132	Brilliant	5.0	7.7	5.3
133	Denali	5.0	7.3	6.0
134	STR 2324	5.0	6.3	6.0
135	A04-1268	5.0	7.0	3.7
136	A05-331	5.0	7.7	6.3
137	A06-15	5.0	5.7	6.0
138	Mallard	5.0	6.3	6.0
139	Royce	5.0	7.7	5.7
140	STR 2278	5.0	6.7	6.0

(Continued)

Table 12 (continued).

	Cultivar or Selection	Turf Quality[1] 2007	Establishment[2] March 2007	Winter Color[3] March 2007
141	PST-1QG-38	4.9	7.3	6.7
142	Monte Carlo	4.9	7.0	6.3
143	PP 028401	4.9	8.0	7.0
144	PST-103-265	4.9	6.0	5.3
145	PST-104-208	4.9	6.7	5.7
146	A03TB-411 (TB x KB hybrid)	4.9	6.3	6.3
147	Arrow	4.9	6.7	6.0
148	Bandera (TB x KB hybrid)	4.9	6.3	2.7
149	PST-109-996	4.9	7.0	6.3
150	Voyager II	4.9	6.7	5.7
151	A00-1254	4.8	7.0	5.7
152	Fahrenheit 90 (TB x KB hybrid)	4.8	5.0	4.3
153	Princeton P-105	4.8	6.7	4.7
154	Starburst	4.8	6.0	4.3
155	STR 2509	4.8	6.7	6.0
156	A03-72	4.8	6.3	6.0
157	Arrowhead	4.8	6.3	4.7
158	STR 2451	4.8	7.0	5.7
159	A99-2717	4.8	6.3	6.3
160	A99-3119-2	4.8	6.0	6.3
161	Mystique	4.8	6.7	6.3
162	A03TB-252 (TB x KB hybrid)	4.7	6.3	5.7
163	PST-102-145	4.7	5.7	4.7
164	PST-103-651	4.7	6.0	2.3
165	STR 23078	4.7	6.7	3.7
166	A03TB-391 (TB x KB hybrid)	4.7	4.7	4.0
167	A03TB-677 (TB x KB hybrid)	4.7	6.3	5.3
168	Cheetah	4.7	6.3	4.0
169	PST-1G4-68	4.7	6.3	3.3
170	A05-358	4.7	6.7	5.3
171	Hunnington	4.7	7.7	5.7
172	PST-102-360	4.6	6.7	2.7
173	PST-103-412	4.6	6.3	5.0
174	Unique	4.6	7.3	6.0
175	A03TB-423 (TB x KB hybrid)	4.6	5.7	7.0

(Continued)

Table 12 (continued).

	Cultivar or Selection	Turf Quality[1] 2007	Establishment[2] March 2007	Winter Color[3] March 2007
176	A04TB-275 (TB x KB hybrid)	4.6	4.0	5.7
177	Rampart	4.6	6.7	2.7
178	PST-102-158	4.5	6.7	5.7
179	STR 2332	4.5	6.0	6.3
180	STR 2553	4.5	6.7	6.3
181	A05-310	4.5	7.3	4.0
182	A99-3119-1	4.5	6.3	6.0
183	PP 028412	4.5	8.3	7.0
184	A05-323	4.4	5.7	3.7
185	Eagleton	4.4	6.7	5.0
186	Ulysses	4.4	7.7	4.0
187	A03-63	4.4	5.7	6.0
188	IS-KB 6456890	4.4	7.0	4.3
189	SR 2100	4.4	6.0	2.0
190	A00-2442-1	4.4	5.7	4.0
191	A05-306	4.4	6.0	3.7
192	A98-689	4.4	7.3	5.0
193	PST-104-59	4.4	6.7	5.0
194	A05-204	4.3	7.0	5.7
195	A97-1799	4.3	6.0	3.7
196	Full Moon	4.3	6.3	3.3
197	RAD-475	4.3	6.3	4.0
198	A93-201	4.2	7.3	4.0
199	Blue Ridge	4.2	7.3	5.3
200	Aviator	4.2	7.0	3.0
201	Guinness	4.2	6.0	3.3
202	RAD-614	4.2	6.7	4.3
203	A05-350	4.1	6.3	5.7
204	RAD-474	4.1	7.7	3.7
205	SPTR 2959	4.1	6.3	3.3
206	SR 2284	4.1	6.7	4.7
207	H94-305	4.1	6.3	3.7
208	Kingfisher	4.1	6.3	4.3
209	PST-1A3-472	4.1	5.0	2.3
210	Showcase	4.1	4.7	6.3

(Continued)

Table 12 (continued).

	Cultivar or Selection	Turf Quality[1] 2007	Establishment[2] March 2007	Winter Color[3] March 2007
211	Orfeo	4.1	7.0	4.7
212	Moonshine	4.0	7.0	3.3
213	Spitfire	4.0	5.0	3.7
214	W185-06	4.0	5.0	1.7
215	Deepblue	3.9	6.3	3.0
216	PST-102-965	3.9	6.7	2.7
217	RAD-780	3.8	7.0	2.3
218	Corsair	3.8	7.0	2.3
219	A05-329	3.6	5.7	5.3
220	PST-1G4-52	3.5	5.7	3.3
221	A03TB (TB x KB hybrid)	2.3	2.3	6.0
	LSD at 5% =	0.8	1.4	1.5

[1]9 = best turf quality
[2]9 = most rapid seedling emergence
[3]9 = darkest green color
[4]Texas x Kentucky bluegrass hybrid

Table 13. Yearly nitrogen (N) applied and mowing height (Ht) on Kentucky bluegrass and Texas x Kentucky bluegrass hybrid tests established at Adelphia and North Brunswick, NJ.

	2004		2005		2006		2007	
	N[1]	Ht[2]	N	Ht	N	Ht	N	Ht
Table 1 (2003 Adelphia)	3.0	1.5	4.5	1.5	3.0	1.5	2.7	1.5
Table 2 (2003 Adelphia)	2.4	1.5	3.0	1.5	3.0	1.5	2.2	1.5
Table 3 (2004 North Brunswick)			4.1	1.5	2.3	1.5	2.3	1.5
Table 4 (2004 North Brunswick)			4.1	1.5	2.3	1.5	2.3	1.5
Table 5 (2004 Adelphia)			5.0	1.5	3.7	1.5	2.7	1.5
Table 6 (2004 Adelphia)			4.7	1.5	3.7	1.5	2.8	1.5
Table 7 (2005 North Brunswick)					2.2	1.5	2.3	1.5
Table 8 (2005 Adelphia)					3.5	1.5	2.2	1.5
Table 9 (2005 Adelphia)					4.5	1.5	2.8	1.5
Table 10 (2005 Adelphia)							2.8	1.5
Table 11 (2006 North Brunswick)							3.6	1.5
Table 12 (2006 Adelphia)							2.8	1.5

[1] Annual N applied (lb/1000 ft^2)
[2] Mowing height in inches

RUTGERS

THE STATE UNIVERSITY
OF NEW JERSEY

Cooperating Agencies: Rutgers, The State University of New Jersey, U.S. Department of Agriculture, and County Boards of Chosen Freeholders. Rutgers Cooperative Extension, a unit of the Rutgers New Jersey Agricultural Experiment Station, is an equal opportunity program provider and employer.