

# 2004 RUTGERS Turfgrass Proceedings



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# **2004 RUTGERS TURFGRASS PROCEEDINGS**

**of the**

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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, Cook College, 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 2004 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.

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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 cool-season turfgrass in the northern United States and Canada. Kentucky bluegrass has the ability to develop dense turfs of dark green color and clean mowing quality in a wide range of soils and climates. Its extensive rhizome system 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 northern golf courses in the early 1900s according to R. A. Oakley (1924). However, after fairway heights were reduced below 0.75 inch, Kentucky bluegrass was not competitive against invasion of annual bluegrass and was more susceptible to summer patch (Dernoeden, 1997). These liabilities, along with slow establishment rates, diminished the popularity of Kentucky bluegrasses for fairways, particularly as improved perennial ryegrasses (*Lolium perenne*) and creeping bentgrasses (*Agrostis stolonifera*) 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 interest among some turf professionals in the use of Kentucky bluegrass for roughs and fairways. Novel methods of annual bluegrass control in Kentucky bluegrass turf stands are currently being investigated and could potentially increase the overall utility of this species in less than optimum environments. 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.

Kentucky bluegrass is an integral part of the sports turf industry. It is commonly used for many different playing surfaces where safety and playability is of utmost importance. Turfgrass, in general, forms a protective layer that serves to buffer impacts that are common in competitive sports. Kentucky bluegrass, in particular, is well suited for this application because of the high recuperative ability associated with its rhizomatous growth habit. In addition to the increased safety associated with Kentucky bluegrass turf stands, its apomictic reproductive behavior also contributes to its utility by facilitating both uniformity and superb playability. Traffic tolerance studies indicate that there is a tremendous amount of diversity within the species in terms of wear tolerance, thus certain varieties may be better suited for this niche market than others.

There are three main uses for Kentucky bluegrass: forage, soil conservation, and specialized, medium-high maintenance turf such as athletic fields, home lawns, and golf courses. The common-type bluegrasses, predominately adapted to the Midwest and Rocky Mountain regions of the United States, are useful for soil conservation, pastures, and lower maintenance turf. Common-type bluegrasses are well suited for these uses due to early maturity, quicker establishment, good stress tolerance, and the ability to survive dry summers in a dormant state. These bluegrasses can suffer extensive turf loss, however, from leaf spot and melting out (caused by the fungus *Drechslera poae*) under close mowing in humid environments. The improved turf-type Kentucky bluegrass cultivars have a lower, more prostrate growth habit, respond well to higher maintenance regimes, tolerate closer mowing, and have greater resistance to leaf spots than common type bluegrasses.

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Kentucky bluegrass is slower to establish than many other cool-season turf grasses. Once established, however, it rapidly colonizes meadows, pastures, and turfs through extensive rhizome production (Huff, 2003). Some of the more commonly known physiological limitations of Kentucky bluegrass under turfgrass management include susceptibility to drought, disease, and insects (Huff, 2003). According to Funk (2000), nearly every characteristic needed for an ideal lawn is present within Kentucky bluegrass. Since Kentucky bluegrass reproduces through an asexual process called apomixis, incorporation of all the characteristics into one cultivar is challenging. Apomixis does, however, provide the opportunity to produce true-to-type seed from superior plants generation after generation.

Kentucky bluegrass can sometimes exhibit poor summer stress tolerance in the transition zone and southern United States, due not only to heat and drought stress, but also to insect and disease pressure. To improve the summer performance of Kentucky bluegrass and extend the use of this species into warmer climates, Rutgers is utilizing interspecific hybridization. Hybrids between Texas bluegrass (*Poa arachnifera* Torr.) and Kentucky bluegrass could potentially 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 conditions than Kentucky bluegrass. Texas bluegrass x Kentucky bluegrass crosses were made 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 clean, easily threshed seed and improved turf performance is currently underway at Rutgers. This breeding strategy of crossing female Texas bluegrass plants with Kentucky bluegrass could expand the adaptation of Kentucky bluegrass into transition zone climatic areas where improved heat and drought tolerance is necessary.

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 breeding programs. Recent collection trips to Poland, Bulgaria, China, Romania, Germany, Greece, Portugal, Finland, France, Spain, Switzerland, Italy, Croatia, Norway, the Slovak Republic, Uzbekistan, and

Kyrgyzstan have enhanced the diversity of germplasm incorporated into the Kentucky bluegrass breeding program. In addition, the turfgrass research program at Rutgers participates in the National Turfgrass Evaluation Program (NTEP), which is sponsored by the USDA and the National Turfgrass Federation, Inc., located at the USDA (BARC) in Beltsville, MD.

## PROCEDURES

Eleven trials were seeded in August or September between 1999 and 2003 at the Rutgers Horticultural Research Farm II in North Brunswick or the Rutgers Plant Science Research and Extension Farm at Adelphia, NJ (Tables 1 to 11). The soils at the research farms are moderately fertile and fairly well drained, and the trials were conducted under medium-high maintenance regimes.

Entries in each test were sown by hand using a maximum of 15 g of seed per 3 X 5 ft plot (2.2 lb/1000 ft<sup>2</sup>). An unplanted 6-inch border was left around each plot. The test established at North Brunswick in 2000 (Table 3) was sown with 24 g of seed per 4 X 6 ft plot (2.2 lb/1000 ft<sup>2</sup>). 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 12. 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 1.0 lb/1000 ft<sup>2</sup>. Mowing was frequent enough (two or three times per week during active growth) to avoid excessive defoliation and the accumulation of clippings.

After establishment, summer annual weeds were controlled by a spring application of dithiopyr (Dimension), and broadleaf weeds were controlled by either a spring or autumn application of 2,4-D, MCPP, and dicamba. All trials received an application of imidacloprid (Merit) for grub control in late June or early July. Some trials received a late summer/early fall application of dithiopyr for annual bluegrass control (Tables 4, 7, and 9). Generally soil pH was maintained between 6.0 and 6.5 with agricultural limestone. 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 (which is a subjective rating that includes attributes such as color, brightness, leaf texture, density, uniformity, and amount of damage due to diseases and insects). Other characteristics were evaluated on some tests when dif-

ferences between entries were apparent. These characteristics included spring green-up (Tables 2 to 6 and 9 to 11), stripe smut (caused by *Ustilago striiformis*) (Tables 2 and 4), leaf spot (Tables 5, 6, 8, and 9), summer patch (caused by *Magnaporthe poae*) (Table 8), stem rust (caused by *Puccinia graminis*) (Tables 10 and 11), dollar spot (caused by *Sclerotinia homoeocarpa*) (Table 4), genetic color (Tables 3 and 4), density (Table 3), leaf texture (Table 3), establishment (Tables 8 to 11), winter color (Table 4), recovery from traffic (Table 3), presence of seed heads (Table 4), and seedling vigor (Table 9). All ratings were based on a 1 to 9 scale, where 9 represented the most favorable turf quality or desirable turf characteristic. Throughout the season, various people rated the plots to reduce individual preferences toward a particular trait.

All data were summarized and subjected to an analysis of variance. Means were separated using the least significant difference (LSD) multiple comparisons test.

## RESULTS

### Turf Evaluation Trials

Results are presented in Tables 1 through 11. Entries are ranked according to the overall (multi-year) quality average (Tables 1 to 7). Tables 8 through 11 are ranked by the turf quality average for 2004. Tables 3 and 4 include all the entries of the 2000 Medium-High Maintenance Kentucky Bluegrass Test sponsored by NTEP.

Many distinct types of Kentucky bluegrass have been developed and these can be classified into groups based on growth and performance characteristics. The Kentucky bluegrass types are described below, and are based on observations of many Rutgers turfgrass evaluation trials. It should be noted that this classification system continues to be refined as more cultivars are developed and their distinct characteristics are expressed in research trials. This method of classification is used to present data in Tables 3 and 4.

**Compact Type.** Cultivars within this group are characterized by a low, compact growth habit. Compact turfgrasses possess very good to excellent resistance to leaf spots, and most form a highly attractive turf after green-up in late spring. In general, these cultivars have long winter dormancy, and a purple coloration can be observed on many during cold weather,

which is reflected in winter color ratings (Table 4). In the Adelphia trial established in 2000, some cultivars, such as SR 2109 (Table 4), however, exhibited better winter performance. Strip smut resistance by entries in this group was good (Table 4), although traffic tolerance (under a low mowing height of 0.75 inch) was somewhat variable (Table 3). Cultivars such as Princeton P-105, Moonshadow, and Blue-tastic performed very well under traffic in the turf trial maintained at 0.75 inch in North Brunswick (Table 3). The experimental selection H94-707 also tolerated traffic well. Performance during summer heat and drought stress within this group was variable with some cultivars producing very good turf quality.

**Compact-Midnight Type.** Within the compact type, a number of cultivars exhibit growth and performance characteristics similar to the cultivar Midnight. These turfgrasses typically have long winter dormancy with a purple and/or straw coloration during prolonged dormant periods, and they typically green up late in the spring. Turfgrasses in this group characteristically have a very dark green color with good turf quality and heat tolerance. When maintained under fairway conditions in North Brunswick, these cultivars were very tolerant of traffic (Table 3). In addition, good resistance to dollar spot (caused by the fungus *Sclerotinia homoeocarpa*) was evident at the Adelphia location (Table 4). Many entries in this group, including Midnight and Midnight II, suffered severe damage due to stem rust at Adelphia in fall of 2003 in a turf trial seeded in September of that year (Tables 10 and 11). This appears to be a new race of fungus, since these cultivars previously had good resistance to this disease.

**Compact-America Type.** Within the compact type, a number of cultivars exhibit growth and performance characteristics similar to the cultivar America. These cultivars have finer leaf texture and higher density than most other compact type turfgrasses. Moderate recovery from summer stress as well as with good resistance to leaf spot and most races of powdery mildew have been observed within this group. The Compact-America type has moderate winter dormancy often accompanied by yellowing or bleaching of leaf tips. In Adelphia, some cultivars and selections such as Bedazzled, SR 2284, Bar Pp 0573, and Langara exhibited very good color retention during winter months with little yellow discoloration (Table 4). In general, these turfgrasses did not perform well under traffic at a 0.75-inch mowing height, which was unexpected based on the low growth habit of this group (Table 3).

*Julia Type.* Another group can be typified by the performance characteristics of the cultivar Julia. These cultivars form a high quality turf but have moderate winter performance. Although Julia type cultivars have good resistance to leaf spot and stripe smut, they can be damaged by brown patch (caused by the fungus *Rhizoctonia solani*), summer patch, and dollar spot. At the Adelphia research farm (Table 4), the entry Avalanche was more resistant to dollar spot than Julia. Julia type turfgrasses performed well under traffic when maintained in North Brunswick at a 0.75-inch cutting height (Table 3). The cultivar Avalanche, in particular, was very tolerant of these conditions.

*Mid-Atlantic Ecotype.* This group of cultivars forms a vigorous turf of medium-high density and a deep, extensive root and rhizome system. Although these cultivars are, in general, moderately susceptible to leaf spot, their extensive rhizome system facilitates excellent recovery from this disease and other stresses. Mid-Atlantic turfgrasses tolerate and recover well from summer stress and have moderate to good winter performance. Two entries in this group, Cabernet and Eagleton, performed well under traffic stress and low cutting height (0.75 inch), especially during summer months (Table 3).

*Shamrock Type.* Cultivars within this type exhibit characteristics similar to the cultivar Shamrock. This group tends to have moderate winter color, moderate resistance to leaf spot disease, and moderate susceptibility to billbug feeding. The Shamrock type has potential for high seed yield production, but unlike the BVMG type, most cultivars have good tolerance of stripe smut (Table 4). Summer stress tolerance is variable within this type.

*Aggressive (High Density) Type.* Cultivars within this group seem to share only two common characteristics: vigorous lateral spread and high shoot density (Bonos et. al., 2000), which are features that may help to hasten the development of a mature sod. Performance of these turfgrasses under traffic at a cutting height of 0.75 inch (Table 3), however, indicates that this aggressive spread and high density at a higher cutting height (1.5 inch) (Table 4) does not predict tolerance to traffic under lower cutting heights. Aggressive type turfgrasses can dominate other species or cultivars when used in blends or mixtures, and under such circumstances, rapid expression of cultivar strength and weaknesses may be evident. Other turf characteristics such as spring green-up, winter dormancy and color, disease susceptibility, and re-

covery from summer stress vary considerably among the turfgrasses in this group.

*CELA Type (Challenger, Eclipse, Liberty, Adelphi Type).* Cultivars of this type exhibit early spring green-up similar to the Bellevue type, but tend to produce fewer seed heads under mowed turf conditions (Table 3) than Bellevue cultivars. CELA turfgrasses have moderate to good resistance to stripe smut, stem rust, and leaf spot and generally exhibit good winter color (Table 4).

*Bellevue Type.* These cultivars form a turf with medium growth, medium-wide leaves, and medium shoot density. Excellent cool-season vigor exists in this group, which is evident by excellent color retention and turf quality during the winter and by an early spring green-up. Bellevue turfgrasses can have visible, straw-colored reproductive stems in turf plots due to seed head formation in late spring (Table 4). These cultivars have moderate recuperative ability from summer stress, are moderately resistant to leaf spot and stripe smut, and are moderately susceptible to billbug damage.

*BVMG Type (Baron, Victa, Merit, Gnome Type).* This widely used group of cultivars has very high seed yield potential and can generally produce medium-good quality turf in the absence of stripe smut. BVMG cultivars have medium-low growth, medium-wide leaves, and produce a medium-dense turf. Reproductive stems are often visible in turf plots due to seed head formation in late spring. The BVMG type is moderately resistant to leaf spot. All entries evaluated in long-term trials at Rutgers were susceptible to stripe smut (Table 4), which resulted in a severe reduction in turf quality over time. This damage from stripe smut increases susceptibility to leaf spot and perpetuates the decline in turf quality. BVMG cultivars generally exhibit poorer winter color and longer winter dormancy than many other Kentucky bluegrasses. These grasses can also suffer significant billbug damage. Recovery from summer stress ranges from poor to moderate; this group performed poorly under traffic stress and low cutting height (0.75 inch) at North Brunswick (Table 3).

*Common Type (formerly Midwest Ecotypes).* These cultivars and selections are frequently referred to as "common" Kentucky bluegrasses, and are characterized by an erect growth habit and narrow leaf blades. The term "common type" should not be confused with the seed label term "variety-not-stated" or

VNS (unfortunately, the “common” is often used to inaccurately describe VNS seed). Many common type cultivars were selections of naturalized ecotypes found in old pastures of the Midwestern United States. These turfgrasses produce seed early and economically, exhibit good stress tolerance, and often survive summer drought in a dormant condition. Common type cultivars are very susceptible to leaf spot and may be extensively damaged by this disease during the cool humid conditions of winter and spring. Poor turf quality and excessive purple coloration during winter is typical on some of these cultivars, including Kenblue. A91-703, an improved common Kentucky bluegrass selection, has moderately good leaf spot resistance. Common type cultivars are best adapted to high cutting heights in regions with cool nights, bright sun, and low humidity and are suited for low maintenance utility turf areas where soil stabilization and conservation are needed.

*Texas x Kentucky Bluegrass Hybrids.* As stated previously, some breeding programs are utilizing interspecific hybridization to improve Kentucky bluegrass. Female Texas bluegrass plants are crossed with Kentucky bluegrass plants to incorporate the more desirable turf characteristics of Kentucky bluegrass into Texas bluegrass, which possesses better heat and drought tolerance. Progeny from these crosses are highly variable (Tables 3 and 4) and may or may not exhibit improved summer stress performance, thus requiring further evaluation to identify useful hybrids. This type has been established to designate cultivars developed through this method.

*Other Turf Types.* This group of cultivars and selections possess traits that are intermediate between two or more of the previously discussed groups. Further study may allow the classification of some of these cultivars into known groups or the separation of additional types.

## 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 diseases and insect pests, along with tolerance to heat, drought, close mowing, shade, and traffic are needed in cultivars that are expected to perform well in many situations. Blends of Kentucky bluegrass should be used

which include cultivars with similar growth characteristics and complementary performance characteristics when turf quality expectations include high uniformity.

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Table 1. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1999 at North Brunswick, NJ.

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					
		2000-2004 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.	2004 Avg.
1	Impact	6.8	7.1	6.3	7.1	6.7	6.6
2	Midnight	6.4	6.5	5.6	7.1	6.7	6.3
3	Langara	6.2	7.0	6.0	5.3	6.2	6.5
4	Bluemoon	6.2	6.4	5.8	6.2	6.4	6.1
5	H94-467	6.2	5.4	6.8	6.3	5.1	7.1
6	Absolute	6.0	6.7	5.7	5.7	6.2	5.9
7	Nuglade	6.0	6.9	5.9	5.6	5.9	5.6
8	RSP	5.9	5.7	6.4	6.1	4.8	6.6
9	Avalanche	5.9	5.9	5.8	5.9	5.6	6.1
10	Rugby II	5.9	6.9	5.4	5.5	6.0	5.7
11	Eagleton	5.8	6.1	5.7	5.3	5.7	6.1
12	Diva	5.7	5.9	5.7	5.5	5.6	6.2
13	A97-1337	5.7	6.2	4.9	5.2	6.3	5.8
14	Cabernet	5.6	3.9	5.8	5.9	6.3	6.3
15	A97-284	5.6	5.9	6.0	5.0	5.0	6.0
16	Award	5.6	6.8	4.8	5.0	5.5	5.5
17	Rambo	5.6	6.2	4.3	5.7	6.0	5.8
18	BAR Pp 0573	5.5	5.8	5.6	5.2	5.3	5.7
19	Moonlight	5.5	5.8	5.6	5.2	5.9	5.1
20	Blacksburg	5.5	4.5	5.8	5.6	6.0	5.7
21	H94-288	5.5	6.3	5.3	5.2	5.6	5.1
22	A97-1655	5.4	6.2	4.6	5.0	5.7	5.6
23	A97-260	5.4	5.6	5.4	5.1	5.6	5.4
24	A95-1936	5.4	6.2	5.0	4.6	5.1	6.0
25	A97-1292	5.4	5.7	5.4	5.1	5.3	5.3
26	Champlain	5.2	5.4	4.8	4.9	5.9	5.2
27	Royale	5.2	6.4	5.0	5.0	5.2	4.6
28	PST C-74	5.1	6.7	4.1	4.4	5.2	5.2
29	Glenmont	5.1	5.5	5.1	4.5	5.0	5.4
30	A97-1304	5.1	5.5	4.3	4.7	5.5	5.5
31	A97-1436	5.1	5.9	5.1	4.7	5.1	4.6
32	BAR Pp 0566	5.0	5.4	5.0	4.9	5.1	4.5
33	A96-415	5.0	5.3	5.2	4.6	5.1	4.8
34	Nustar	5.0	5.4	5.1	5.1	4.7	4.7
35	Voyager	5.0	4.9	5.4	5.0	5.1	4.7

(Continued)



Table 1 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					
		2000-2004 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.	2004 Avg.
36	A97-1330	4.9	5.3	4.6	4.6	5.2	5.2
37	America	4.9	5.6	4.3	4.7	5.3	4.8
38	Pick-453	4.9	5.6	5.1	4.6	4.4	4.8
39	Kingfisher	4.9	5.1	4.9	5.0	4.7	4.8
40	Arrow	4.8	5.5	4.9	4.2	5.1	4.6
41	A97-1263	4.8	6.0	3.6	4.1	5.3	4.9
42	A97-1323	4.8	5.1	4.7	4.7	5.0	4.5
43	A82-204	4.8	5.1	5.3	4.6	4.5	4.2
44	A97-1466	4.8	5.1	4.9	4.7	5.0	4.3
45	A97-458	4.7	5.4	5.1	4.5	4.5	4.0
46	A96-270	4.7	5.2	5.5	3.9	4.3	4.7
47	A97-1327	4.7	5.6	3.9	4.3	5.1	4.7
48	A97-890	4.7	4.2	5.3	4.9	4.8	4.1
49	Princeton P-105	4.7	6.4	4.3	4.1	4.0	4.6
50	A96-494	4.6	5.3	4.1	4.1	4.9	4.6
51	A96-739	4.6	4.8	5.1	4.4	4.5	4.2
52	Suffolk	4.6	4.8	4.2	4.5	5.2	4.2
53	Total Eclipse	4.6	5.3	3.9	4.7	4.8	4.2
54	A95-1043	4.5	4.2	4.6	4.5	4.6	4.7
55	Mallard	4.5	5.8	4.6	4.2	4.4	3.6
56	Mercury	4.5	5.3	4.8	5.2	4.1	3.2
57	Skye	4.5	5.3	3.9	4.7	4.8	3.7
58	A96-340	4.5	5.1	5.3	4.2	4.4	3.3
59	A96-409	4.5	5.8	4.2	4.4	4.3	3.8
60	A97-1510	4.5	4.5	4.0	4.6	5.0	4.4
61	A97-287	4.5	5.9	4.2	3.9	4.2	4.2
62	Boutique	4.5	5.0	4.8	3.9	4.2	4.4
63	A96-451	4.4	5.8	4.6	3.7	3.7	4.3
64	A97-1333	4.4	5.0	4.2	4.2	4.9	4.1
65	A97-945	4.4	4.6	4.4	4.2	4.5	4.4
66	Brooklawn	4.4	4.3	4.4	4.5	4.3	4.7
67	A97-1409	4.4	6.6	4.4	3.6	2.9	4.2
68	A97-1766	4.4	4.1	4.1	4.5	5.2	3.9
69	Blackstone	4.4	4.9	4.3	3.6	4.3	4.7
70	Limousine	4.4	4.4	4.3	4.5	4.6	4.1

(Continued)

Table 1 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					
		2000-2004 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.	2004 Avg.
71	A96-707	4.3	5.4	4.3	3.9	4.3	3.6
72	A97-1362	4.3	5.6	4.2	3.5	4.3	4.1
73	A97-493	4.3	4.7	4.6	4.5	4.4	3.6
74	A97-1416	4.3	4.2	4.8	3.9	3.9	4.7
75	A97-1446	4.3	5.2	4.8	4.2	3.6	3.9
76	A97-1613	4.3	4.7	4.5	4.1	4.4	3.8
77	Bordeaux	4.3	3.6	4.6	4.5	4.2	4.3
78	Georgetown	4.3	4.9	3.7	4.4	4.6	3.8
79	H94-707	4.2	5.9	3.9	3.3	4.0	4.1
80	Monte Carlo	4.2	4.6	4.6	3.9	4.0	4.0
81	A97-1271	4.2	4.9	4.8	3.7	3.6	3.9
82	A97-1523	4.1	5.3	3.6	3.7	4.2	3.7
83	Champagne	4.0	3.1	4.4	3.9	4.4	3.9
84	Nassau	3.9	4.3	3.9	4.0	3.7	3.8
85	H92-558	3.8	5.6	4.4	3.0	2.5	3.5
86	Nublu	3.7	3.5	3.3	4.4	3.8	3.7
87	Bluechip	3.6	4.1	4.0	3.6	3.0	3.6
88	Blueridge	3.6	4.6	3.1	3.6	3.6	2.9
89	A97-1244	3.4	4.2	4.0	3.4	3.2	2.5
90	Dragon	3.2	3.9	3.6	3.1	2.4	3.2
91	Huntsville	3.2	3.0	4.1	3.6	2.8	2.8
	LSD at 5% =	0.8	0.9	1.2	1.3	1.1	1.1

<sup>1</sup>9 = best turf quality

Table 2. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1999 at Adelphia, NJ.

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					2004 Avg.	Spring Green-up <sup>2</sup>	Stripe Smut <sup>3</sup>
		2000-2004 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.		April 2004	May 2004
1	Bedazzled	6.3	6.1	6.6	6.2	6.5	6.1	5.7	8.7
2	Royale	6.2	6.4	6.6	6.2	6.0	5.6	4.7	8.3
3	Diva	6.1	6.3	6.5	6.2	6.0	5.7	3.3	8.0
4	A97-1757	6.0	6.4	6.9	5.9	5.2	5.8	6.3	9.0
5	Boutique	6.0	6.4	6.8	5.5	5.5	5.8	4.7	9.0
6	A96-298	6.0	6.2	5.9	6.5	6.0	5.4	2.0	9.0
7	Bar Pp 0573	6.0	6.5	6.3	6.0	5.5	5.6	4.3	8.7
8	A97-1432	5.9	6.2	6.5	5.9	5.8	5.2	4.7	7.7
9	Award	5.9	6.4	5.5	6.3	5.7	5.6	1.3	7.3
10	A97-284	5.9	5.7	6.2	6.1	5.8	5.5	3.7	8.7
11	A96-494	5.9	6.4	6.2	5.4	6.0	5.2	3.7	9.0
12	Glenmont	5.8	5.5	6.3	6.1	5.8	5.5	4.3	8.7
13	H94-550	5.8	6.1	6.2	5.7	5.2	5.9	4.3	9.0
14	A97-1409	5.8	6.7	7.1	5.3	5.2	4.9	5.3	8.0
15	A97-1304	5.8	5.9	5.9	5.6	5.9	5.8	5.0	8.3
16	A97-1263	5.8	6.0	6.0	6.0	5.5	5.6	4.0	7.7
17	A97-1271	5.8	5.9	6.5	5.6	5.4	5.5	4.3	7.7
18	Absolute	5.8	6.1	5.6	6.0	6.2	5.1	1.7	7.7
19	A97-1510	5.8	5.3	6.0	5.9	6.2	5.5	5.0	8.7
20	NuGlade	5.8	6.3	5.8	5.8	5.8	5.0	1.7	7.7
21	Rambo	5.7	6.0	5.3	5.8	6.0	5.6	1.7	9.0
22	Princeton P-105	5.7	5.8	5.6	5.9	5.5	5.6	2.7	9.0
23	Sonoma	5.7	6.4	5.8	5.6	5.3	5.4	4.3	6.7
24	K 981/983	5.7	5.8	5.4	5.9	5.8	5.5	3.3	8.7
25	Bar Pp 0468	5.7	6.2	6.0	5.8	5.2	5.2	4.7	9.0
26	A97-1436	5.7	5.8	5.9	5.6	5.8	5.3	4.3	9.0
27	A97-1362	5.7	6.2	6.2	5.1	5.6	5.2	5.7	9.0
28	Moonlight	5.7	6.4	6.4	5.6	5.1	4.8	3.3	9.0
29	Impact	5.6	6.4	5.6	5.7	5.6	4.9	1.0	7.0
30	A96-324	5.6	6.1	6.0	5.6	5.5	5.0	3.3	7.3
31	A96-337	5.6	6.6	5.9	5.6	5.6	4.6	4.7	8.7
32	SR 2284	5.6	5.6	6.0	5.3	5.8	5.5	5.0	9.0
33	Bar Pp 0471	5.6	6.1	6.1	5.6	5.4	5.1	4.0	9.0
34	A95-1936	5.6	5.9	6.1	5.5	5.2	5.5	7.0	9.0
35	A97-1330	5.6	5.7	6.0	5.8	5.4	5.1	4.7	8.7

(Continued)

Table 2 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----						Spring Green-up <sup>2</sup> April 2004	Stripe Smut <sup>3</sup> May 2004
		2000-2004 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.	2004 Avg.		
36	H94-707	5.6	5.6	5.9	5.9	5.6	5.0	2.3	9.0
37	Champlain	5.6	6.0	6.0	5.4	5.3	5.4	4.7	8.7
38	A97-287	5.6	5.8	5.5	5.4	5.6	5.4	2.3	9.0
39	Arrow	5.6	5.7	5.6	5.4	5.9	5.1	4.7	7.3
40	Langara	5.5	6.1	5.9	5.4	5.2	5.1	4.3	9.0
41	Barcelona	5.5	5.2	5.3	6.1	5.7	5.4	3.7	8.0
42	A97-1327	5.5	6.1	5.9	5.6	5.1	4.9	4.3	7.7
43	Rugby II	5.5	5.9	5.3	5.7	5.5	5.2	1.7	8.7
44	BlueMoon	5.5	6.2	4.9	5.7	5.8	5.0	1.7	9.0
45	H94-288	5.5	6.2	5.9	5.1	5.0	5.4	4.3	7.7
46	A97-1446	5.5	6.1	5.8	5.3	5.6	4.7	3.0	8.0
47	Kingfisher	5.5	5.4	5.5	5.9	5.5	5.3	4.3	8.3
48	America	5.5	5.4	5.5	5.4	5.6	5.6	5.0	9.0
49	Durham	5.5	6.0	6.1	5.3	5.3	4.7	5.7	8.3
50	A97-1337	5.5	5.6	5.9	5.3	5.0	5.7	5.0	9.0
51	A97-1523	5.5	6.0	5.6	5.4	5.3	5.0	3.3	8.7
52	A96-270	5.5	5.8	6.0	5.3	5.4	4.8	3.7	8.7
53	Moonshadow	5.5	5.6	5.6	5.6	5.1	5.3	4.3	8.7
54	A97-1655	5.4	5.9	5.6	5.2	5.2	5.3	4.0	9.0
55	A97-1566	5.4	5.5	5.9	5.4	5.3	5.0	4.7	8.3
56	Skye	5.4	5.7	5.8	4.8	5.6	5.1	4.3	8.0
57	Avalanche	5.4	5.4	6.0	5.2	4.9	5.4	7.3	9.0
58	A96-451	5.4	6.0	6.0	5.1	5.2	4.6	6.3	9.0
59	A96-1353	5.4	5.8	6.1	5.0	5.3	4.7	6.3	9.0
60	95AN-10	5.4	5.2	5.9	5.2	5.3	5.3	8.0	9.0
61	A97-890	5.4	5.5	5.6	5.3	5.1	5.3	6.0	8.7
62	Blacksburg	5.4	5.1	5.6	5.4	4.9	5.8	3.7	8.7
63	Yvette	5.4	5.3	5.7	5.3	5.3	5.1	5.3	7.7
64	A96-409	5.3	5.7	5.8	5.5	5.4	4.3	4.3	6.3
65	PST C-74	5.3	5.6	5.5	5.3	5.0	5.3	4.3	6.7
66	A96-707	5.3	6.4	5.2	4.9	5.3	4.9	3.3	6.7
67	Pp 8388	5.3	5.5	5.8	5.1	5.1	5.2	6.0	7.7
68	A97-1333	5.3	6.0	6.2	5.6	4.7	4.3	4.3	5.0
69	A97-1465	5.3	5.9	5.7	4.7	5.3	4.9	5.7	7.0
70	Brooklawn	5.3	5.1	5.7	5.2	5.2	5.2	4.7	8.0

(Continued)

Table 2 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					2004 Avg.	Spring Green-up <sup>2</sup> April 2004	Stripe Smut <sup>3</sup> May 2004
		2000-2004 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.			
71	Rampart	5.3	5.6	5.6	5.3	5.5	4.5	4.0	9.0
72	A95-1055	5.3	5.7	5.6	5.2	4.9	5.0	4.7	6.7
73	Lakeshore	5.3	5.5	5.6	5.2	4.9	5.1	5.7	7.7
74	H92-558	5.3	5.2	5.7	4.9	5.6	4.9	3.3	8.7
75	HV 238	5.3	5.0	5.8	5.4	5.3	4.8	5.3	8.7
76	Midnight	5.2	5.8	5.0	5.4	5.2	4.8	2.0	8.7
77	A97-1613	5.2	5.7	6.0	4.8	4.7	4.9	5.3	6.3
78	Wildwood	5.2	5.0	5.6	5.2	5.3	5.0	2.3	9.0
79	A97-1766	5.2	5.4	5.6	5.1	5.0	4.9	4.0	6.3
80	Pick-453	5.2	5.3	5.5	5.1	5.5	4.5	2.7	9.0
81	Festina	5.2	4.8	5.5	5.5	5.1	5.0	6.0	4.3
82	A97-945	5.2	5.3	5.5	5.3	5.0	4.9	5.7	8.7
83	A96-479	5.2	6.1	5.7	5.1	4.9	4.2	4.3	8.7
84	A97-1292	5.2	5.6	5.3	4.9	5.1	5.0	4.7	8.7
85	Mallard	5.2	5.5	5.5	5.1	5.1	4.7	3.7	8.0
86	Serene	5.2	5.4	5.4	5.1	4.8	5.2	5.0	9.0
87	A96-1322	5.2	4.6	5.5	5.3	5.4	5.1	2.3	8.3
88	Bartitia	5.2	5.0	5.1	5.4	5.4	4.8	3.7	6.3
89	H92-577	5.1	5.2	5.2	4.9	5.9	4.5	3.7	9.0
90	A97-493	5.1	5.6	5.5	5.1	4.8	4.6	6.0	9.0
91	Nustar	5.1	5.2	5.2	5.2	5.2	4.8	4.0	7.3
92	A97-1244	5.1	5.3	5.4	4.7	5.0	5.2	3.0	8.7
93	A97-1433	5.1	5.4	5.5	5.0	4.9	4.7	5.7	7.0
94	A97-1466	5.1	5.5	5.6	5.1	4.8	4.6	6.0	5.3
95	Virginia	5.1	5.2	5.6	4.9	5.0	4.8	5.3	8.0
96	Indigo	5.1	5.4	5.4	5.0	4.8	4.6	4.7	8.0
97	Pp H 7875	5.1	5.2	5.0	5.3	5.2	4.5	4.7	5.7
98	Limousine	5.0	5.1	4.7	5.2	5.3	4.9	7.0	5.3
99	Total Eclipse	5.0	5.5	5.2	5.6	4.9	3.9	4.7	4.3
100	Brunswick	5.0	4.8	5.6	5.2	4.8	4.7	5.7	9.0
101	A97-1343	5.0	5.3	5.3	4.8	5.0	4.6	2.7	5.7
102	A97-2086	5.0	5.9	5.0	4.7	4.9	4.3	3.3	7.7
103	Cabernet	4.9	5.4	4.9	5.0	4.9	4.5	4.7	8.7
104	Bordeaux	4.9	5.9	4.9	4.8	4.8	4.2	4.7	9.0
105	Shamrock	4.9	5.0	5.5	4.8	4.8	4.5	7.7	7.7

(Continued)

Table 2 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					2004 Avg.	Spring Green-up <sup>2</sup> April 2004	Stripe Smut <sup>3</sup> May 2004
		2000-2004 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.			
106	Monte Carlo	4.9	5.4	5.3	4.8	4.8	4.2	3.0	8.3
107	A95-1043	4.9	5.3	5.1	4.4	4.8	4.8	5.3	7.7
108	Pp H 7832	4.9	4.7	4.7	5.1	5.0	4.8	6.3	8.3
109	Champagne	4.9	4.7	5.1	4.9	4.9	4.7	5.0	8.3
110	Leonie	4.8	5.1	5.1	4.6	4.9	4.5	5.0	8.7
111	HV 230	4.8	4.9	5.2	5.0	4.7	4.4	4.3	9.0
112	A96-739	4.8	4.8	5.1	4.7	4.9	4.5	4.3	7.3
113	Baronie	4.8	5.1	4.9	5.0	4.6	4.3	6.0	4.7
114	Julius	4.8	4.3	4.9	5.1	4.9	4.5	5.7	4.0
115	SCR-282	4.7	5.5	4.9	4.6	4.4	4.2	5.3	6.0
116	Pp H 6351	4.7	5.6	5.0	4.9	4.4	3.6	5.7	5.0
117	Suffolk	4.7	5.4	4.7	5.1	4.3	4.1	6.3	7.0
118	Explorer	4.7	5.7	4.8	4.5	4.5	4.1	3.0	7.3
119	Mercury	4.7	5.5	4.9	4.5	4.5	4.0	4.7	6.3
120	Pp H 7925	4.7	4.6	4.8	4.9	4.9	4.1	5.0	5.7
121	Pacific	4.7	5.4	4.7	4.7	4.5	4.1	4.7	8.7
122	Touchdown	4.7	4.7	4.6	4.7	4.7	4.6	7.7	8.3
123	Blue Ridge	4.7	5.3	5.3	4.4	4.5	3.8	3.7	7.3
124	A97-1492	4.6	5.1	4.9	4.3	4.7	4.0	6.3	9.0
125	Sabine	4.5	4.0	5.0	5.0	4.7	4.1	6.0	4.3
126	PST-1201	4.5	5.7	4.6	4.1	4.3	4.0	5.3	8.7
127	JC 91 L2	4.5	5.2	4.3	4.3	4.5	4.2	4.7	7.3
128	Eagleton	4.5	4.9	5.1	4.5	4.1	3.9	6.3	8.3
129	NuBlue	4.5	5.4	4.4	4.7	4.2	3.8	5.3	6.7
130	Pp 8	4.5	4.8	4.9	4.8	4.1	3.8	5.3	5.0
131	Cheetah	4.5	5.0	4.6	4.5	4.2	4.1	5.0	8.3
132	Nassau	4.4	4.9	4.6	4.4	4.2	4.1	6.0	7.7
133	Pp H 7929	4.4	4.2	4.2	4.6	4.8	4.3	4.0	7.7
134	A97-1294	4.4	4.8	4.7	4.3	4.3	3.7	3.7	7.7
135	CPA-421	4.4	4.2	4.8	4.5	4.0	4.3	4.3	7.0
136	Clovis	4.3	4.4	4.4	4.6	4.6	3.5	3.0	4.7
137	Pp H 7759	4.3	4.4	4.4	4.3	4.5	3.9	5.0	7.3
138	SCEC-183	4.3	4.7	3.8	4.1	4.6	4.3	4.7	4.7
139	Pp H 7921	4.3	4.2	4.0	4.5	4.4	4.2	5.0	6.7
140	Barzan	4.2	4.5	4.6	4.7	3.5	3.8	3.7	3.3

(Continued)

Table 2 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----						Spring Green-up <sup>2</sup> April 2004	Stripe Smut <sup>3</sup> May 2004
		2000-2004 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.	2004 Avg.		
141	Pp H 7904	4.2	4.0	4.0	4.3	4.4	4.3	5.3	5.0
142	K 984	4.2	4.0	4.5	4.3	4.3	3.9	5.0	7.0
143	Pp H 7982	4.1	4.6	5.0	4.6	3.3	3.3	5.7	4.7
144	Boomerang	4.1	3.7	4.0	4.3	4.7	4.0	5.3	6.7
145	BlueChip	4.1	4.8	5.3	4.1	3.1	3.4	4.3	3.3
146	Baron	4.1	4.9	5.2	4.2	2.9	3.0	6.0	2.0
147	Voyager	4.0	4.7	4.3	3.8	3.7	3.7	8.3	5.3
148	K 994	4.0	4.4	4.2	4.0	3.8	3.5	6.7	6.3
149	Pp H 7907	4.0	4.2	3.7	4.4	4.0	3.6	5.0	7.3
150	Pp H 7777	3.8	4.4	3.7	3.8	3.9	3.1	5.0	5.3
151	K 993	3.8	4.1	3.2	3.7	4.0	3.9	6.7	6.3
152	Pp H 7776	3.7	3.9	4.2	4.1	3.0	3.2	4.7	3.3
153	RSP	3.7	4.5	4.2	3.0	3.2	3.6	7.7	7.7
154	Pp H 6819	3.7	4.5	4.0	3.8	3.5	2.7	5.0	4.0
155	Huntsville	3.6	3.9	3.6	3.4	3.7	3.4	5.0	5.3
156	Georgetown	3.5	5.0	4.3	3.4	2.7	2.3	7.7	8.0
157	K 985	3.5	3.6	3.5	2.9	3.8	3.6	4.7	5.0
158	Barblue	3.4	5.1	3.5	3.2	2.8	2.6	7.0	3.3
159	P 236	3.4	2.0	3.2	3.7	4.3	3.8	3.7	7.0
160	P 226	3.4	3.4	3.6	3.2	3.3	3.4	6.7	8.0
161	K 992	3.4	3.7	3.5	3.6	3.3	2.8	4.3	4.0
162	P 243	3.3	2.9	3.2	3.4	3.5	3.6	5.0	6.3
163	P 242	3.2	2.7	2.8	3.3	3.8	3.5	4.0	6.3
164	P 247	3.0	3.2	2.9	2.6	2.9	3.3	5.0	5.0
	LSD at 5% =	0.6	0.8	0.7	0.7	0.8	0.9	1.4	2.2

<sup>1</sup>9 = best turf quality<sup>2</sup>9 = earliest spring green-up<sup>3</sup>9 = least disease

Table 3. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in August 2000 at North Brunswick, NJ. (Includes all entries of the 2000 National Kentucky Bluegrass Medium-High Maintenance Test - NTEP.)

Cultivar or Selection	Turf Quality <sup>1</sup>				Worn Turf Quality <sup>1</sup> 2004 Avg.	Spring Green-up <sup>2</sup> April 2004	Spring Green-up <sup>2</sup> April 2004	Color <sup>3</sup> Nov. 2004	Density <sup>4</sup> Nov. 2004	Texture <sup>5</sup> Nov. 2004	
	2001- 2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.							2004 Avg.
1 Princeton P-105	6.1	5.7	7.2	6.2	5.1	8.0	1.0	4.7	7.0	5.0	6.0
2 H94-707	5.1	5.0	6.1	5.2	4.3	6.1	1.0	3.3	6.0	5.0	5.7
3 Alpine	4.9	5.8	5.6	4.2	4.1	2.2	1.3	2.3	5.7	4.3	5.7
4 Moonlight	4.9	7.1	5.7	4.6	2.5	5.3	1.7	4.3	6.0	2.7	5.3
5 Moonshadow	4.7	5.8	5.6	4.9	2.7	6.5	2.0	4.3	7.0	4.7	6.7
6 PST-B5-125	4.7	5.3	5.2	4.3	4.0	2.1	1.3	4.0	6.7	5.3	6.3
7 A94MH-94	4.6	5.4	5.1	4.2	3.4	4.5	1.3	5.0	6.7	4.0	5.3
8 Hallmark	4.5	6.3	4.9	3.7	3.1	1.5	1.0	5.3	6.0	4.3	5.3
9 Chicago II	4.5	5.4	5.2	4.3	3.1	5.8	1.0	4.7	6.7	6.0	6.0
10 Skye	4.4	5.6	4.8	4.5	2.9	4.5	1.3	5.0	6.3	4.3	6.0
11 Diva	4.4	5.5	4.8	4.4	3.0	4.6	1.7	5.0	6.7	3.3	6.3
12 Wildwood	4.2	5.6	4.8	3.6	2.8	1.6	1.0	5.0	5.7	3.7	5.3
13 Blue-tastic	3.7	5.9	4.0	3.0	2.1	5.7	2.0	4.7	6.3	3.3	6.0
14 PST-B4-246	3.6	5.1	4.0	2.7	2.8	2.4	1.0	4.3	5.7	3.7	6.3
15 Goldstar	3.5	5.7	3.7	2.7	1.7	4.4	1.7	5.0	6.3	3.3	6.7
16 Ba 82-288	3.4	5.6	3.9	2.6	1.6	1.0	2.0	7.0	6.0	2.7	6.0
17 Ascot	3.0	4.8	3.8	1.7	1.7	2.2	1.0	3.3	6.0	3.7	6.0

**COMPACT TYPE**



Table 3 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>					Worn Turf Quality <sup>1</sup> 2004 Avg.	Spring Green-up <sup>2</sup> April 2004	Spring Green-up <sup>2</sup> April 2004	Color <sup>3</sup> Nov. 2004	Density <sup>4</sup> Nov. 2004	Texture <sup>5</sup> Nov. 2004
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.	2004 Avg.						
<b>COMPACT - MIDNIGHT TYPE</b>											
1 Nu Destiny	6.4	6.9	6.3	6.6	5.8	7.7	1.3	2.3	7.3	7.3	6.7
2 Award	6.3	6.8	6.4	6.1	5.8	8.0	1.0	3.0	7.3	7.0	7.0
3 Tsunami	6.2	6.8	6.2	6.1	5.6	7.4	1.0	2.7	7.0	6.3	6.3
4 Midnight II	6.1	6.3	6.1	6.1	6.0	7.4	1.0	3.0	7.3	7.3	7.7
5 Impact	6.1	6.9	6.2	5.9	5.2	7.4	1.0	2.0	7.3	6.0	6.7
6 Midnight	5.9	6.5	5.9	5.7	5.5	6.5	1.0	2.3	6.7	6.3	6.3
7 Unknown	5.9	6.3	6.2	5.8	5.5	6.9	1.0	2.0	7.3	6.7	7.0
8 Perfection	5.9	6.3	5.8	6.0	5.7	7.5	1.0	2.3	6.7	7.0	7.0
9 Arcadia	5.8	6.4	6.0	5.7	5.2	6.9	1.0	1.7	7.3	6.3	7.0
10 Barrister	5.8	6.3	6.0	5.9	4.8	7.7	1.3	3.7	7.3	6.3	7.3
11 Rugby II	5.8	6.1	5.7	5.6	5.6	6.6	1.0	3.3	7.7	6.3	6.7
12 Courtyard	5.7	6.6	6.0	5.4	5.0	7.9	1.0	2.0	7.3	7.0	7.0
13 Odyssey	5.7	6.3	5.8	5.4	5.2	7.9	1.0	2.7	7.0	7.3	7.3
14 Liberator	5.6	6.6	5.7	5.7	4.6	7.2	1.3	3.7	7.3	6.0	6.7
15 Blue Velvet	5.6	6.3	5.9	5.3	4.9	6.7	1.0	2.7	7.3	7.0	7.3
16 Total Eclipse	5.6	6.4	5.7	5.5	4.7	7.5	1.3	3.3	7.3	6.3	7.0
17 Awesome	5.5	6.2	5.7	5.9	4.3	7.2	1.0	3.0	6.7	5.7	7.3
18 NuGlade	5.5	6.1	5.8	5.4	4.8	5.8	1.7	2.7	7.3	6.7	7.0
19 Ginney	5.5	6.3	5.7	5.5	4.4	7.6	1.0	2.7	7.3	6.0	7.3
20 Beyond	5.5	6.3	5.6	5.6	4.4	8.1	1.0	2.7	7.3	6.3	7.0

(Continued)

Table 3 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>				Worn Turf Quality <sup>1</sup> 2004 Avg.	Spring Green-up <sup>2</sup> April 2004	Spring Green-up <sup>2</sup> April 2004	Color <sup>3</sup> Nov. 2004	Density <sup>4</sup> Nov. 2004	Texture <sup>5</sup> Nov. 2004		
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.								
<b>COMPACT - MIDNIGHT TYPE (cont.)</b>												
21	Bluestone	5.4	6.7	5.2	5.1	4.5	6.9	1.3	2.0	7.7	7.0	7.3
22	Quantum Leap	5.1	6.3	4.9	4.4	5.0	6.7	1.0	3.3	7.7	6.7	7.0
23	J-2885	5.1	5.5	5.4	4.9	4.9	7.2	1.7	3.7	7.0	7.0	7.0
24	Excursion	5.1	5.9	5.3	4.9	4.2	7.1	1.0	3.0	7.0	5.7	7.0
25	Freedom III	4.9	6.3	5.2	4.5	3.7	6.6	1.0	2.3	6.3	6.3	6.7
26	Rythum	4.9	6.3	5.2	4.5	3.8	5.3	1.3	2.7	6.7	4.7	6.3
27	EverGlade	4.7	5.8	4.7	4.7	3.8	6.7	1.3	2.7	6.7	6.0	7.3
28	Alexa	4.7	6.2	4.8	4.3	3.2	5.9	1.7	2.3	6.7	5.3	7.0
29	Everest	4.1	5.6	4.5	3.7	2.5	6.5	1.3	2.0	6.7	3.7	6.7
30	Freedom II	3.8	5.3	4.3	3.4	2.1	6.0	1.0	3.7	6.3	4.7	6.7
<b>COMPACT - AMERICA TYPE</b>												
1	Langara	5.3	6.3	6.2	4.5	4.2	2.2	3.3	7.3	7.0	4.3	7.3
2	Bedazzled	4.8	6.4	5.8	4.2	3.0	3.3	3.0	7.0	7.3	4.0	6.0
3	SR 2284	4.5	5.5	4.9	4.1	3.7	3.1	2.7	7.0	7.0	5.0	6.3
4	Kingfisher	4.4	5.8	5.3	4.2	2.6	1.7	2.7	5.3	6.3	3.7	5.7
5	PST-B3-170	4.4	5.4	4.9	3.7	3.4	3.1	1.7	5.0	6.3	4.0	6.7
6	BAR Pp 0468	4.2	5.6	5.0	3.7	2.7	6.3	1.3	5.7	6.7	4.0	7.7
7	Arrow	4.1	5.5	4.4	3.7	2.8	3.8	2.3	6.0	6.0	4.0	6.0
8	Bordeaux	4.1	5.9	4.5	3.8	1.9	3.4	1.7	6.0	6.0	4.0	6.3
9	Brilliant	4.0	5.6	4.5	3.3	2.7	5.4	1.3	5.0	7.0	4.7	6.7
10	A98-305	4.0	5.6	4.6	3.6	2.4	6.7	1.7	4.0	6.3	3.7	7.0

(Continued)

Table 3 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>				Worn Turf Quality <sup>1</sup> 2004 Avg.	Spring Green-up <sup>2</sup> April 2004	Spring Green-up <sup>2</sup> April 2004	Color <sup>3</sup> Nov. 2004	Density <sup>4</sup> Nov. 2004	Texture <sup>5</sup> Nov. 2004
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.						
<b>COMPACT - AMERICA TYPE (cont.)</b>										
11 Casablanca	4.0	5.7	4.7	3.4	2.1	5.7	1.7	5.3	4.0	6.7
12 Royale	3.8	6.6	4.7	2.5	1.3	1.6	1.7	5.3	3.0	5.7
13 A97-1330	3.8	5.3	4.5	3.1	2.2	4.3	1.0	4.0	4.7	7.3
14 Boutique	3.8	6.2	4.4	2.7	1.8	3.5	2.7	5.7	3.7	6.3
15 A98-205	3.8	6.1	4.2	2.9	1.8	3.2	2.3	5.7	2.7	5.3
16 A98-2038	3.7	5.7	4.4	3.1	1.9	3.4	1.3	4.0	5.0	6.3
17 Mallard	3.7	5.7	4.3	3.1	1.6	2.0	1.3	5.0	4.0	6.3
18 BAR Pp 0471	3.7	5.2	4.4	2.9	2.2	6.2	1.3	3.7	3.3	7.3
19 Unique	3.7	5.4	4.2	3.3	1.6	5.9	1.0	3.7	3.3	6.7
20 Glenmont	3.6	5.7	4.4	2.5	1.7	3.4	1.3	5.3	3.0	5.3
21 Showcase	3.6	5.1	4.2	3.2	1.9	5.2	1.3	5.0	3.7	6.7
22 PST-H6-150	3.5	4.8	3.9	3.0	2.3	4.8	1.3	3.7	3.3	7.0
23 A97-1432	3.5	5.7	4.5	2.5	1.4	3.4	2.3	5.0	2.3	6.3
24 Dynamo	3.5	5.4	4.3	2.7	1.7	5.0	1.3	5.0	3.7	7.0
25 Apollo	3.5	5.7	4.4	2.3	1.4	4.2	1.0	2.7	3.0	6.7
26 Sonoma	3.4	5.1	4.2	2.8	1.5	1.5	1.3	4.7	2.3	6.0
27 BAR Pp 0573	3.1	4.8	3.4	2.5	1.9	4.2	1.7	6.3	3.7	6.7
28 PST-222	3.1	4.9	3.7	2.2	1.4	2.0	1.7	4.7	2.7	5.7
29 BAR Pp 0566	2.9	4.7	3.3	2.1	1.3	2.7	2.7	5.7	3.0	6.0
30 PST-604	2.7	4.6	2.9	1.8	1.3	3.1	1.0	5.0	3.3	6.3

(Continued)

Table 3 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>				Worn Turf Quality <sup>1</sup> 2004 Avg.	Spring Green-up <sup>2</sup> April 2004	Spring Green-up <sup>2</sup> April 2004	Color <sup>3</sup> Nov. 2004	Density <sup>4</sup> Nov. 2004	Texture <sup>5</sup> Nov. 2004		
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.								
<b>JULIA TYPE</b>												
1	Avalanche	6.4	5.8	6.5	6.5	6.9	7.9	5.3	8.7	7.7	7.7	7.3
2	A95-1930	6.4	5.8	6.8	6.1	6.7	5.9	5.0	8.7	7.3	7.3	6.3
3	Pick 453	3.9	5.2	4.2	3.2	3.0	6.7	1.3	4.3	6.0	5.0	5.7
4	H92-558	3.7	5.3	4.3	2.7	2.3	6.1	1.3	4.0	5.7	3.7	5.7
5	Julia	3.7	5.1	4.3	3.1	2.2	8.3	2.3	6.3	5.3	4.0	5.0
6	Rampart	3.6	4.8	4.2	2.9	2.5	4.9	1.0	4.3	5.7	4.0	5.7
<b>MID-ATLANTIC TYPE</b>												
1	Eagleton	5.3	6.1	5.4	5.7	4.0	6.7	2.3	6.3	6.7	5.0	6.0
2	PST-161	4.9	5.8	5.3	5.1	3.2	4.9	2.3	7.0	6.0	5.0	5.7
3	Cabernet	4.3	6.1	4.7	4.0	2.3	6.8	3.0	7.3	5.7	4.0	7.0
<b>SHAMROCK TYPE</b>												
1	Champlain	5.0	5.3	5.7	4.7	4.2	5.4	1.3	4.3	7.3	6.3	6.0
2	Brooklawn	4.7	5.7	5.3	4.9	3.0	6.6	3.3	4.0	7.0	5.0	6.0
3	Shamrock	4.5	5.9	4.8	4.7	2.7	4.4	2.7	6.7	6.7	3.7	6.0
4	Moonshine	4.5	5.4	4.8	4.8	3.0	5.9	2.0	6.7	6.7	3.3	5.7
5	Lakeshore	4.2	5.4	4.5	4.2	2.7	3.7	3.0	6.3	6.0	4.0	5.3
6	Champagne	4.2	4.7	4.5	4.7	2.8	3.5	2.3	6.0	6.3	4.0	6.0
7	A98-1028	4.0	5.5	4.7	4.0	1.9	5.2	2.0	5.3	6.7	4.0	6.0
8	Mongoose	3.9	5.5	4.7	3.3	2.0	4.4	1.7	4.0	6.0	3.7	6.3
9	A98-1001	3.5	5.0	4.2	3.1	1.7	3.3	2.7	6.0	6.0	3.0	5.3
10	A96-451	3.2	4.9	4.0	2.4	1.6	1.7	1.7	5.7	6.3	3.0	4.7

(Continued)

Table 3 (continued).

	Turf Quality <sup>1</sup>				Worn Turf Quality <sup>1</sup> 2004 Avg.	Spring Green-up <sup>2</sup> April 2004	Spring Green-up <sup>2</sup> April 2004	Color <sup>3</sup> Nov. 2004	Density <sup>4</sup> Nov. 2004	Texture <sup>5</sup> Nov. 2004		
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.								
Cultivar or Selection												
<b>SHAMROCK TYPE (cont.)</b>												
11	Durham	3.2	5.5	3.7	2.2	1.2	1.7	2.0	5.3	5.0	2.3	5.0
<b>AGGRESSIVE (HIGH DENSITY) TYPE</b>												
1	Brunswick	6.4	5.4	7.3	7.1	5.9	7.6	4.3	8.0	6.7	4.3	6.0
2	Limousine	4.2	4.7	4.9	3.7	3.6	6.4	2.3	6.3	5.3	5.0	5.7
3	North Star	4.1	5.2	5.0	2.8	3.3	1.9	1.0	2.3	6.7	3.7	5.7
4	Julius	3.8	4.8	5.0	2.9	2.7	3.4	1.0	3.7	6.0	2.7	6.7
5	HV 140	3.3	5.9	3.6	2.0	1.7	4.3	1.0	3.0	5.0	3.3	6.0
<b>CELA TYPE</b>												
1	Jefferson	5.5	5.2	5.4	6.2	5.4	7.6	5.3	8.0	7.3	7.3	7.3
<b>BVMG TYPE</b>												
1	Raven	3.7	5.6	3.8	2.9	2.4	2.5	1.3	5.0	5.0	2.3	4.0
2	Abbey	3.4	5.6	3.9	2.5	1.9	2.6	3.0	5.3	5.7	3.0	5.0
3	Marquis	3.4	5.0	4.1	2.7	2.0	2.4	1.7	4.7	5.0	2.3	4.3
4	Envicta	3.4	5.4	3.9	2.5	1.7	3.8	2.3	4.7	4.7	3.0	4.7
5	Baron	3.0	5.4	3.3	2.0	1.3	1.3	2.0	3.7	5.7	2.7	4.7
6	Goldrush	3.0	5.4	3.3	1.7	1.4	1.6	1.3	4.0	5.7	2.7	4.7

(Continued)

Table 3 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>				Worn Turf Quality <sup>1</sup> 2004 Avg.	Spring Green-up <sup>2</sup> April 2004	Spring Green-up <sup>2</sup> April 2004	Color <sup>3</sup> Nov. 2004	Density <sup>4</sup> Nov. 2004	Texture <sup>5</sup> Nov. 2004
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.						
<b>COMMON TYPE</b>										
<b>TEXAS X KENTUCKY BLUEGRASS HYBRID</b>										
1 Kenblue	2.7	4.6	2.3	2.8	1.5	6.0	9.0	5.3	2.7	5.3
2 Wellington	2.4	4.2	2.9	1.6	1.5	4.0	8.7	5.7	3.3	5.0
3 GO-9LM9	2.3	4.1	2.2	1.7	1.4	4.7	8.3	5.7	2.0	5.3
1 A99LM-16	4.1	6.1	4.6	3.1	3.6	1.0	2.0	5.0	3.0	4.3
2 BHOO-6002	4.0	5.2	3.5	3.7	5.8	2.7	6.3	4.7	5.0	4.7
3 BHOO-6003	2.2	3.5	2.2	1.6	2.0	2.0	4.3	6.3	3.0	5.7
<b>OTHER TYPE</b>										
1 Blackstone	6.2	6.2	6.2	6.2	4.7	3.0	6.7	6.0	7.0	5.7
2 Serene	5.8	6.0	6.1	5.9	8.3	1.7	5.7	6.0	5.7	6.0
3 A98-3368	5.1	5.4	5.4	4.1	5.7	1.0	3.0	5.7	7.3	5.7
4 HV 238	5.1	5.6	5.3	4.2	5.1	1.7	4.3	6.7	6.0	6.3
5 Pp H 7832	4.9	5.3	5.4	4.3	7.1	1.0	5.3	5.3	3.7	6.3
6 Cheetah	4.9	5.0	4.7	4.8	5.7	2.0	6.0	6.0	5.3	7.7
7 Yvette	4.8	5.2	5.3	4.4	5.8	1.3	5.0	5.0	3.3	7.0
8 A98-1358	4.7	5.5	5.1	4.8	6.6	2.7	5.7	6.7	4.0	5.7
9 Coventry	4.6	5.4	5.0	4.4	7.3	1.0	4.3	5.3	2.0	4.0
10 A95-414	4.6	4.4	5.1	4.9	6.2	1.3	4.3	7.0	4.7	6.0

(Continued)

Table 3 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>				Worn Turf Quality <sup>1</sup> 2004 Avg.	Spring Green-up <sup>2</sup> April 2004	Spring Green-up <sup>2</sup> April 2004	Color <sup>3</sup> Nov. 2004	Density <sup>4</sup> Nov. 2004	Texture <sup>5</sup> Nov. 2004
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.						
11 Rambo	4.5	5.5	4.6	4.4	5.4	1.3	4.3	7.0	5.7	6.3
12 Fairfax	4.5	5.5	5.0	4.3	6.6	1.3	4.0	4.7	3.0	4.3
13 B4-128A	4.5	5.3	5.1	4.4	6.6	1.7	6.3	5.7	5.0	6.7
14 B5-144	4.4	4.6	4.8	3.9	7.4	1.7	3.7	5.0	3.7	4.7
15 Allure	4.4	5.0	5.2	3.9	6.6	1.3	4.3	4.7	2.7	4.7
16 A96-256	4.3	5.5	5.1	4.0	4.3	1.3	3.3	6.0	4.7	5.7
17 A97-260	4.3	4.9	5.1	4.3	7.8	1.0	1.7	6.7	4.3	6.3
18 Bariris	4.3	5.2	4.4	3.8	8.9	2.3	5.7	6.3	5.0	5.3
19 Misty	4.2	5.2	5.0	3.6	1.6	2.0	6.7	6.7	3.7	5.3
20 Royce	4.2	6.2	4.7	3.7	5.3	1.3	5.0	6.7	3.7	6.7
21 Chateau	4.2	4.7	4.3	3.8	6.8	1.0	3.0	5.3	4.3	5.0
22 A97-1411	4.1	5.9	4.9	3.3	4.6	1.7	5.0	7.0	3.0	6.7
23 SRX 2114	4.1	5.7	4.7	3.6	3.2	1.7	4.3	6.7	2.7	6.0
24 Rita	4.0	5.9	4.5	3.7	3.4	2.3	7.0	5.3	3.3	5.3
25 Ba 84-140	4.0	5.3	4.7	3.4	3.2	2.0	5.3	5.3	4.0	6.0
26 Lily	4.0	5.7	4.0	3.6	6.7	2.0	4.3	5.0	3.3	4.0
27 A95-1606	4.0	5.1	4.0	3.8	5.9	2.0	6.3	6.3	4.7	6.3
28 Bartita	4.0	5.3	4.4	3.5	4.0	1.3	2.7	5.7	4.0	5.7
29 A96-1201	3.9	5.3	5.1	3.0	2.2	3.0	4.0	6.3	4.0	6.3
30 Limerick	3.9	5.2	4.2	3.5	6.3	1.0	2.3	5.3	4.3	5.3

**OTHER TYPE (cont.)**

(Continued)

Table 3 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>				Worn Turf Quality <sup>1</sup> 2004 Avg.	Spring Green-up <sup>2</sup> April 2004	Spring Green-up <sup>2</sup> April 2004	Color <sup>3</sup> Nov. 2004	Density <sup>4</sup> Nov. 2004	Texture <sup>5</sup> Nov. 2004
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.						
<b>OTHER TYPE (cont.)</b>										
31	PST-108-79	3.9	4.7	4.5	3.7	2.7	4.0	5.3	5.0	6.0
32	Washington	3.9	4.3	3.4	3.7	4.0	5.7	9.0	4.7	5.7
33	Blue Knight	3.8	5.6	4.6	2.5	2.5	3.4	3.7	4.3	5.7
34	B5-43	3.7	4.5	4.5	3.2	2.6	6.1	3.7	3.7	5.3
35	A98-1147	3.7	5.6	4.3	3.0	2.0	5.4	4.7	3.0	6.7
36	PST-H5-35	3.7	5.1	4.4	3.2	2.0	3.9	5.3	3.7	6.3
37	Barzan	3.7	4.9	4.4	3.3	2.0	2.2	4.3	3.0	5.3
38	A98-572	3.7	5.5	4.0	2.9	2.2	4.8	3.7	3.3	6.3
39	Voyager II	3.6	5.4	4.3	3.0	1.8	5.8	3.7	3.7	6.3
40	B5-45	3.6	5.2	3.9	3.0	2.4	6.3	3.3	2.7	5.7
41	Monte Carlo	3.6	5.8	4.0	3.2	1.4	3.0	6.0	3.0	6.0
42	Bluemax	3.6	5.7	4.2	2.8	1.6	4.8	4.7	3.0	5.7
43	DLF-76-9032	3.6	4.6	4.1	2.8	2.9	6.5	1.7	3.3	6.3
44	A96-739	3.6	5.8	3.9	2.9	1.7	3.6	5.7	3.7	6.0
45	A97-1328	3.6	5.3	4.7	2.7	1.6	5.5	4.7	2.3	6.3
46	Baronette	3.5	5.3	4.3	3.1	1.3	2.4	5.0	2.7	6.0
47	Chelsea	3.5	4.3	3.6	3.3	2.8	2.9	3.3	3.7	6.0
48	A95-751	3.5	5.4	3.9	2.8	1.8	4.8	6.0	3.0	5.7
49	Markham	3.5	5.3	3.9	2.9	1.9	5.9	4.3	4.3	6.7
50	SI A96-386	3.4	5.3	4.1	2.6	1.7	2.9	4.0	4.0	5.0

(Continued)



Table 3 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>				Worn Turf Quality <sup>1</sup> 2004 Avg.	Spring Green-up <sup>2</sup> April 2004	Spring Green-up <sup>2</sup> April 2004	Color <sup>3</sup> Nov. 2004	Density <sup>4</sup> Nov. 2004	Texture <sup>5</sup> Nov. 2004		
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.							2004 Avg.	
<b>OTHER TYPE (cont.)</b>												
51	Baritone	3.4	4.2	3.9	3.1	2.5	8.4	2.0	6.0	5.7	4.0	6.0
52	Baronie	3.4	4.3	4.1	3.2	2.1	6.2	3.3	6.3	6.7	4.0	5.7
53	A98-890	3.4	5.9	4.1	2.3	1.5	3.0	3.0	6.0	6.3	3.0	6.3
54	SRX 26351	3.4	5.8	4.0	2.1	1.7	2.3	1.3	6.0	6.0	3.3	5.3
55	A97-857	3.3	4.9	3.9	2.5	2.1	4.8	1.7	4.3	6.0	3.7	6.7
56	DLF-76-9036	3.3	5.5	3.9	2.4	1.4	2.4	1.3	3.3	5.0	2.7	5.0
57	DLF-76-9037	3.3	5.4	3.9	2.2	1.7	2.8	1.0	5.0	6.3	3.0	6.7
58	A98-1301	3.2	4.2	3.9	2.9	1.9	1.6	2.0	6.7	6.3	3.3	5.7
59	Blue Ridge	3.2	5.2	3.6	2.4	1.5	2.0	1.3	4.3	6.0	3.0	5.7
60	BAOO-6001	3.2	5.3	3.4	2.3	1.7	1.6	1.0	3.7	6.7	3.0	6.0
61	Ba 83-113	3.2	4.6	3.7	2.8	1.5	2.9	2.0	6.3	6.0	3.0	6.0
62	A97-1409	3.1	5.5	3.8	2.1	1.3	1.2	2.7	6.3	6.7	2.3	7.0
63	PST - York Harbor 4	3.1	5.2	3.6	2.5	1.3	1.2	1.7	4.7	5.7	3.3	5.7
64	Blacksburg II	3.1	4.9	3.5	2.3	1.8	2.4	2.3	5.0	6.3	3.0	5.3
65	A98-365	3.1	5.0	3.4	2.4	1.8	3.2	1.7	5.3	5.7	3.7	6.3
66	A96-742	3.1	4.5	3.4	2.8	1.6	5.6	4.7	7.7	6.0	3.0	6.7
67	A96-305	3.1	4.1	3.5	2.7	1.9	3.6	1.7	4.3	6.3	3.7	6.0
68	99AN-53	3.0	4.1	3.1	2.8	2.2	4.2	2.3	5.7	5.3	3.3	5.3
69	Blue Sapphire	3.0	4.9	3.5	2.0	1.5	3.1	1.3	4.0	6.7	3.7	6.0
70	Mercury	2.8	5.7	2.9	1.6	1.2	1.7	1.3	3.0	6.0	2.3	6.0

(Continued)

Table 3 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>				Worn Turf Quality <sup>1</sup> 2004 Avg.	Spring Green-up <sup>2</sup> April 2004	Spring Green-up <sup>2</sup> April 2004	Color <sup>3</sup> Nov. 2004	Density <sup>4</sup> Nov. 2004	Texture <sup>5</sup> Nov. 2004
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.						
<b>OTHER TYPE (cont.)</b>										
71 Pp H 7907	2.8	4.6	3.3	2.0	2.0	1.3	4.7	6.0	3.0	5.3
72 Pp H 7929	2.8	3.7	3.2	2.5	2.4	1.7	4.0	6.0	3.3	5.7
73 SRX 27921	2.8	5.1	3.3	1.6	3.2	1.3	4.7	6.3	2.7	5.7
74 Jewel	2.8	4.2	2.8	2.4	2.8	2.0	5.7	6.7	4.0	6.0
75 A96-396	2.8	4.9	3.0	2.0	1.0	2.0	5.0	6.0	2.0	5.3
76 A98-183	2.7	5.1	2.8	1.6	1.5	2.0	4.7	6.3	2.3	5.7
77 Boomerang	2.7	4.5	2.9	1.9	2.7	1.7	4.7	5.7	2.7	5.3
78 A98-407	2.7	3.9	3.2	2.3	3.6	1.3	5.3	6.7	3.3	6.3
79 SRX QG-245	2.6	4.6	2.7	1.7	1.0	3.7	5.0	5.0	1.0	4.7
80 CVB 20631	2.6	3.5	3.2	2.0	1.7	1.0	2.7	6.0	3.0	6.0
81 Appalachian	2.5	4.6	2.5	1.6	4.2	2.0	6.7	6.3	3.7	5.7
82 Bodacious	2.4	3.9	2.6	1.5	2.3	2.0	4.0	5.7	2.7	5.7
83 A95-1055	2.4	3.7	2.5	1.9	3.9	1.7	5.0	5.3	3.3	5.0
84 DLF-76-9034	2.2	3.5	2.3	2.0	3.2	2.7	6.3	5.7	3.0	4.7
85 NA-K992	2.1	3.5	2.2	1.3	2.5	2.3	4.0	6.7	4.3	5.0
LSD at 5% =										
	0.7	0.7	0.8	1.2	2.0	1.0	1.7	1.1	1.5	1.1

<sup>1</sup>9 = best turf quality  
<sup>2</sup>9 = earliest spring green-up  
<sup>3</sup>9 = darkest green color  
<sup>4</sup>9 = most dense  
<sup>5</sup>9 = finest leaf texture

Table 4. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in August 2000 at Adelphia, NJ. (Includes all entries of the 2000 National Kentucky Bluegrass Medium-High Maintenance Test - NTEP.)

Cultivar or Selection	Turf Quality <sup>1</sup>			Winter Color <sup>2</sup> Feb. 2004	Spring Green-up <sup>3</sup> April 2004	Seed Heads <sup>4</sup> May 2004	Stripe Smut <sup>5</sup> May 2004	Color <sup>6</sup> Nov. 2004	Dollar Spot <sup>6</sup> 2004 Avg.
	2001-2004 Avg.	2002 Avg.	2003 Avg.						
1 A96-299	6.3	6.2	6.0	3.3	2.3	6.7	9.0	7.3	8.2
2 SR 2109	6.2	6.5	5.9	6.7	5.7	4.7	9.0	6.0	8.7
3 Moonshadow	6.0	5.9	5.7	5.0	4.3	7.0	9.0	5.7	8.5
4 Alpine	5.8	6.0	6.0	4.7	2.0	6.3	8.0	5.0	5.2
5 Diva	5.8	5.6	5.9	3.3	3.7	5.0	9.0	5.3	7.3
6 Skye	5.8	5.8	5.7	2.3	4.3	6.7	9.0	5.7	8.0
7 A94MH-94	5.8	6.0	6.2	6.0	2.7	8.7	9.0	4.0	7.5
8 Blacksburg	5.8	5.4	6.1	5.7	4.0	4.3	9.0	5.3	7.7
9 Princeton P-105	5.8	5.8	5.5	3.3	3.3	5.7	9.0	6.7	7.0
10 Moonlight	5.7	5.9	5.5	4.3	3.0	6.3	8.3	7.3	8.7
11 Indigo	5.7	6.2	5.5	4.3	4.3	6.7	9.0	6.0	7.3
12 Blue-tastic	5.7	5.5	5.8	5.7	3.3	5.3	9.0	8.0	9.0
13 Ascot	5.7	6.1	5.5	4.7	2.3	5.7	9.0	5.0	7.3
14 Ba 82-288	5.6	5.5	5.2	5.3	6.3	5.7	9.0	7.3	8.0
15 PST-B5-125	5.6	5.0	5.8	5.7	2.3	6.7	8.3	6.0	6.3
16 Hallmark	5.5	5.1	5.6	4.7	2.7	6.7	9.0	7.0	6.3
17 H94-707	5.5	6.2	5.6	2.0	2.3	7.3	8.7	6.3	6.2
18 Broadway	5.5	6.0	6.1	5.0	3.7	5.0	9.0	4.7	3.5
19 Wildwood	5.3	5.2	5.2	4.3	3.0	6.0	9.0	6.3	5.2
20 IB7-231	5.3	4.6	5.2	5.3	3.7	6.7	9.0	7.3	6.8

**COMPACT TYPE**

Table 4 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup>			Winter Color <sup>2</sup> Feb. 2004	Spring Green-up <sup>3</sup> April 2004	Seed Heads <sup>4</sup> May 2004	Stripe Smut <sup>5</sup> May 2004	Color <sup>6</sup> Nov. 2004	Dollar Spot <sup>6</sup> 2004 Avg.	
		2001-2004 Avg.	2001 Avg.	2002 Avg.							2003 Avg.
21	PST-B4-246	4.9	5.2	4.5	5.0	4.3	3.0	7.3	9.0	6.0	4.0
22	Goldstar	4.9	5.7	4.4	4.7	3.7	5.7	1.3	9.0	6.7	8.7
23	Chicago II	4.9	4.9	5.3	5.0	4.3	4.0	7.0	8.0	8.0	5.8
<b>COMPACT TYPE (cont.)</b>											
<b>COMPACT-MIDNIGHT TYPE</b>											
1	Unknown	6.6	6.9	6.6	6.5	4.0	2.0	9.0	9.0	7.0	8.2
2	A98-726	6.6	6.5	6.9	6.3	5.3	2.3	9.0	8.3	8.0	8.3
3	Impact	6.4	6.3	6.7	6.2	4.0	2.0	8.7	8.3	7.3	7.7
4	Rythum	6.2	6.3	6.7	5.8	5.7	1.7	8.7	8.7	7.3	7.7
5	Midnight	6.2	6.3	6.3	6.0	3.7	2.3	7.7	9.0	7.3	8.3
6	Freedom III	6.2	6.1	6.2	6.2	5.3	2.0	8.3	9.0	7.3	7.7
7	Courtyard	6.2	6.3	5.9	6.1	4.0	2.3	8.7	9.0	7.3	7.3
8	Nu Destiny	6.2	6.1	6.4	6.0	4.3	1.7	9.0	8.7	7.3	7.7
9	Midnight II	6.1	6.3	6.1	6.2	4.0	2.0	8.0	9.0	7.0	7.2
10	Beyond	6.1	6.1	6.3	6.2	5.0	2.3	9.0	9.0	7.3	7.0
11	Arcadia	6.1	6.2	6.3	6.0	4.0	1.7	7.7	8.0	7.0	7.3
12	Freedom II	6.1	6.1	6.4	5.9	4.3	3.7	7.7	7.3	7.0	7.0
13	Barrister	6.0	6.3	6.2	6.0	3.7	2.3	8.3	8.3	7.3	7.0
14	Ginney	6.0	6.1	6.0	6.0	4.3	1.7	9.0	9.0	7.0	7.2
15	Perfection	5.9	5.8	6.0	5.9	4.0	2.3	8.7	9.0	7.0	7.2

(Continued)

Table 4 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>				Winter Color <sup>2</sup> Feb. 2004	Spring Green-up <sup>3</sup> April 2004	Seed Heads <sup>4</sup> May 2004	Stripe Smut <sup>5</sup> May 2004	Color <sup>6</sup> Nov. 2004	Dollar Spot <sup>6</sup> 2004 Avg.	
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.							2004 Avg.
<b>COMPACT-MIDNIGHT TYPE (cont.)</b>											
16	Blue Velvet	5.9	5.9	5.7	6.2	4.7	2.0	8.0	9.0	7.3	7.8
17	Award	5.9	6.0	5.9	5.6	4.3	2.0	8.0	8.0	7.3	7.5
18	Odyssey	5.9	6.1	5.9	5.5	2.7	1.3	9.0	8.7	6.3	7.3
19	Quantum Leap	5.8	5.9	6.1	5.5	3.3	2.3	7.0	8.7	7.0	7.2
20	EverGlade	5.8	5.7	6.1	5.8	3.7	1.7	9.0	9.0	7.7	7.2
21	Total Eclipse	5.8	6.0	5.9	5.7	3.7	2.3	7.7	7.3	7.0	6.5
22	Tsunami	5.7	6.1	5.7	5.4	4.7	2.0	8.7	8.7	7.0	7.0
23	Rugby II	5.6	5.9	5.6	5.6	3.3	3.0	8.3	9.0	7.0	7.0
24	Alexa	5.6	5.3	5.8	5.6	4.3	3.3	8.0	8.7	7.0	7.3
25	Bluestone	5.5	6.0	5.6	5.3	4.0	2.0	8.0	9.0	7.3	7.2
26	NuGlade	5.5	5.8	5.5	5.4	4.3	2.0	8.3	8.7	6.7	6.2
27	Excursion	5.5	5.6	5.7	5.4	4.0	2.3	7.7	8.7	6.7	7.2
28	Awesome	5.5	5.8	5.8	5.0	3.0	2.0	8.3	9.0	6.7	6.8
29	Liberator	5.4	6.0	5.6	5.1	3.3	3.0	8.0	9.0	7.0	6.8
30	J-2885	5.2	5.4	5.3	5.0	3.7	3.0	8.3	9.0	6.3	7.5
31	Everest	5.1	5.5	5.4	4.4	3.3	2.0	6.7	8.7	7.0	6.2
32	Midnight Star	4.7	5.0	5.0	4.2	2.3	5.3	5.3	8.7	9.0	8.2

(Continued)

Table 4 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup>				Spring Green-up <sup>3</sup> April 2004	Seed Heads <sup>4</sup> May 2004	Stripe Smut <sup>5</sup> May 2004	Color <sup>6</sup> Nov. 2004	Dollar Spot <sup>6</sup> 2004 Avg.		
		2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.						2004 Avg.	Winter Color <sup>2</sup> Feb. 2004
<b>COMPACT-AMERICA TYPE</b>												
1	Langara	6.3	6.4	5.4	6.6	6.5	6.7	5.0	7.7	9.0	5.3	8.5
2	Bedazzled	6.0	6.1	5.3	5.9	6.6	6.3	6.0	3.3	9.0	6.3	9.0
3	SR 2284	5.9	5.9	5.6	6.1	6.0	6.0	6.0	3.7	9.0	6.3	8.8
4	A95-1048	5.8	5.8	5.7	5.4	6.2	5.0	5.7	8.0	9.0	6.0	8.5
5	Royale	5.7	6.2	5.2	5.2	6.1	4.7	5.7	5.3	8.7	5.7	8.7
6	A98-205	5.6	5.8	5.6	5.8	5.4	5.0	4.0	2.7	8.7	7.7	8.3
7	Kingfisher	5.6	5.4	5.5	6.0	5.5	4.3	5.0	5.7	9.0	6.3	7.8
8	A98-305	5.6	5.6	5.5	5.7	5.6	5.3	5.3	1.7	9.0	4.7	8.5
9	A97-1432	5.6	6.0	5.4	5.5	5.6	6.0	5.7	7.3	9.0	5.0	7.5
10	Sonoma	5.6	5.7	5.5	5.6	5.6	5.0	4.7	6.3	8.0	5.7	8.2
11	A97-1475	5.5	5.3	5.3	5.5	5.9	4.0	5.3	2.3	8.0	4.0	8.7
12	PST-B3-170	5.5	5.5	5.1	5.6	5.8	4.3	2.3	5.0	9.0	6.7	7.5
13	BAR Pp 0573	5.5	5.5	5.2	5.4	5.7	5.3	6.0	3.0	8.3	5.3	8.5
14	A98-290	5.4	5.9	5.4	5.4	5.0	5.3	2.7	2.7	9.0	5.3	7.5
15	A98-363	5.4	5.6	5.8	5.2	5.0	3.7	6.3	6.7	9.0	5.7	8.5
16	BAR Pp 0471	5.4	5.4	5.3	5.7	5.2	4.7	5.0	2.3	9.0	4.0	8.3
17	Boutique	5.4	5.4	5.0	5.6	5.5	5.7	5.0	6.3	9.0	6.3	8.3
18	A97-1330	5.3	5.6	5.3	5.3	5.2	4.0	5.0	2.3	9.0	4.3	7.7
19	Casablanca	5.3	5.4	5.0	5.3	5.6	5.0	4.7	2.3	7.3	4.0	8.8
20	A98-344	5.3	5.3	5.4	5.2	5.4	5.0	6.7	5.3	9.0	7.7	9.0

(Continued)

Table 4 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>				Winter Color <sup>2</sup> Feb. 2004	Spring Green-up <sup>3</sup> April 2004	Seed Heads <sup>4</sup> May 2004	Stripe Smut <sup>5</sup> May 2004	Color <sup>6</sup> Nov. 2004	Dollar Spot <sup>6</sup> 2004 Avg.
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.						
<b>COMPACT-AMERICA TYPE (cont.)</b>										
21	PST C-74	5.3	5.6	5.1	5.2	5.3	4.0	9.0	4.0	8.0
22	BAR Pp 0468	5.3	5.1	5.0	5.3	5.6	5.3	9.0	3.7	8.3
23	PST-222	5.2	5.5	5.1	5.6	4.7	4.0	8.7	7.3	8.5
24	Bordeaux	5.2	5.3	4.8	5.4	5.4	5.7	9.0	6.3	8.2
25	A98-2038	5.2	5.9	5.3	5.0	4.8	2.7	9.0	8.3	7.8
26	Apollo	5.2	5.2	5.0	5.2	5.4	5.7	7.3	4.0	8.3
27	Arrow	5.2	5.3	5.1	5.4	5.0	4.3	9.0	6.7	8.0
28	Dynamo	5.2	5.2	5.1	5.2	5.2	5.0	9.0	4.0	8.0
29	PST-H6-150	5.2	5.6	4.8	5.2	5.1	4.7	7.0	3.7	8.2
30	Showcase	5.2	5.2	5.2	5.3	5.1	5.0	8.7	4.3	7.7
31	Unique	5.1	5.1	5.1	5.1	5.2	4.3	9.0	3.7	8.0
32	A97-1560	5.1	5.5	5.1	5.0	4.8	4.0	8.7	4.0	7.7
33	Glenmont	5.1	5.2	4.6	5.5	5.0	4.7	9.0	3.3	8.8
34	Brilliant	5.0	5.5	4.8	5.0	4.8	3.7	8.3	2.7	8.0
35	Mallard	5.0	5.6	4.7	4.8	4.8	5.3	9.0	6.3	9.0
36	BAR Pp 0566	4.8	4.7	4.9	4.8	4.9	5.3	9.0	6.7	8.7
37	America	4.8	5.1	4.9	4.8	4.3	5.0	8.3	3.7	8.3
38	PST-604	4.2	4.7	4.1	4.3	3.7	5.0	9.0	6.0	7.0

(Continued)

Table 4 (continued).

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				Winter Color <sup>2</sup> Feb. 2004	Spring Green-up <sup>3</sup> April 2004	Seed Heads <sup>4</sup> May 2004	Stripe Smut <sup>5</sup> May 2004	Color <sup>6</sup> Nov. 2004	Dollar Spot <sup>6</sup> 2004 Avg.	
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.							2004 Avg.
<b>JULIA TYPE</b>											
1	Avalanche	6.3	6.6	6.2	5.8	6.4	4.3	7.3	9.0	5.3	7.7
2	Rampart	5.3	5.7	5.4	5.2	4.9	4.7	4.0	9.0	7.0	7.0
3	Julia	5.1	5.1	5.3	5.1	4.7	6.0	5.0	9.0	4.7	5.0
4	Pick 453	5.0	5.1	5.0	5.0	4.9	4.3	4.0	7.7	7.0	6.7
5	H92-558	4.9	4.8	4.7	5.2	4.8	4.7	2.7	8.7	7.0	7.0
<b>MID-ATLANTIC TYPE</b>											
1	Cabernet	5.7	5.9	5.6	5.7	5.6	2.0	6.7	9.0	4.3	8.7
2	PST-161	5.5	5.8	5.0	5.4	6.0	5.0	6.3	9.0	6.3	8.8
3	Eagleton	5.1	5.7	4.3	5.3	5.1	3.7	5.3	8.3	3.0	8.5
4	SR 2000	4.9	5.0	4.8	5.0	4.7	6.0	4.7	9.0	6.7	8.7
5	A98-155	4.8	5.2	5.0	4.7	4.1	4.0	5.3	9.0	7.3	8.5
6	Livingston	4.6	4.7	4.6	4.7	4.3	3.7	4.0	6.3	5.0	5.5
7	RSP	4.4	5.1	3.8	4.7	4.0	4.0	9.0	9.0	3.3	7.5
<b>SHAMROCK TYPE</b>											
1	A98-948	5.6	6.2	5.8	5.4	5.2	3.7	4.0	9.0	5.0	7.2
2	A98-999	5.6	6.1	5.6	5.3	5.5	4.0	6.3	9.0	6.7	8.5
3	A98-1025	5.6	5.5	5.5	5.3	6.1	2.7	5.3	9.0	5.0	8.8
4	Champlain	5.6	5.5	6.0	5.3	5.5	3.0	1.7	9.0	6.7	6.5
5	A98-1095	5.5	5.6	5.3	5.3	5.6	4.0	5.0	8.7	6.0	8.7

(Continued)



Table 4 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>				Winter Color <sup>2</sup> Feb. 2004	Spring Green-up <sup>3</sup> April 2004	Seed Heads <sup>4</sup> May 2004	Stripe Smut <sup>5</sup> May 2004	Color <sup>6</sup> Nov. 2004	Dollar Spot <sup>6</sup> 2004 Avg.		
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.							2004 Avg.	
<b>SHAMROCK TYPE (cont.)</b>												
6	A98-877	5.4	5.5	5.4	5.1	5.3	3.7	5.0	7.3	9.0	4.7	8.0
7	A98-1028	5.3	5.1	5.3	5.1	5.7	2.3	5.3	6.3	8.7	5.0	7.7
8	Lakeshore	5.3	5.4	5.0	5.4	5.5	3.7	6.0	6.7	9.0	4.0	7.7
9	PST-1304	5.2	5.2	5.0	5.4	5.3	4.7	4.3	3.0	9.0	4.3	8.5
10	A98-1001	5.1	5.6	5.2	4.6	5.1	3.3	6.0	4.3	9.0	5.3	7.3
11	A98-962	5.0	5.1	5.0	5.3	4.8	2.0	4.7	7.3	8.7	4.0	6.8
12	Moonshine	5.0	5.0	4.7	5.1	5.3	2.7	5.3	6.7	9.0	3.3	7.0
13	Mongoose	5.0	5.3	5.1	5.0	4.6	2.7	4.3	7.3	9.0	4.0	6.0
14	Champagne	5.0	4.8	4.8	4.6	5.6	4.3	6.3	7.0	9.0	5.7	8.5
15	Durham	4.9	5.7	4.6	4.5	4.7	4.0	5.3	3.7	8.3	6.0	8.5
16	Brooklawn	4.9	4.7	4.7	5.0	5.0	3.0	5.0	5.0	9.0	4.7	7.7
17	A96-451	4.8	5.1	4.8	4.9	4.3	5.3	6.3	1.3	9.0	7.7	8.7
18	Shamrock	4.7	4.8	4.5	4.7	4.8	2.7	6.3	5.0	8.7	6.0	7.0
19	SR 2100	4.0	4.6	4.3	3.8	3.1	2.3	5.3	5.0	3.3	4.7	6.7
<b>AGGRESSIVE (HIGH DENSITY) TYPE</b>												
1	North Star	5.5	5.6	5.8	5.7	4.8	4.3	2.0	4.7	9.0	5.0	3.5
2	Brunswick	5.3	5.1	4.8	5.8	5.5	5.3	6.3	4.7	8.3	3.7	7.8
3	HV 140	5.0	6.0	5.1	4.6	4.5	3.0	4.0	5.3	9.0	3.7	5.5
4	Limousine	4.9	5.1	4.9	5.0	4.4	5.0	5.3	5.3	5.3	2.7	4.8
5	Julius	4.6	4.5	5.0	5.0	4.0	5.3	7.0	2.3	4.0	2.0	4.2

(Continued)

Table 4 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>				Winter Color <sup>2</sup> Feb. 2004	Spring Green-up <sup>3</sup> April 2004	Seed Heads <sup>4</sup> May 2004	Stripe Smut <sup>5</sup> May 2004	Color <sup>6</sup> Nov. 2004	Dollar Spot <sup>6</sup> 2004 Avg.
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.						
1 Jefferson	5.3	5.5	4.8	5.6	4.7	7.7	7.3	9.0	5.0	6.2
<b>CELA TYPE</b>										
1 Abbey	4.8	5.9	4.8	4.6	1.3	7.0	2.7	2.0	3.3	6.7
2 Canon	4.6	5.7	4.8	4.5	2.0	7.0	5.0	1.0	3.7	7.3
3 Raven	4.5	5.6	4.9	4.1	1.3	7.0	3.7	1.7	2.7	5.5
4 Crest	4.5	5.9	5.6	3.5	1.0	6.0	3.7	1.7	4.0	7.2
5 Marquis	4.4	5.3	4.9	4.0	1.3	6.7	3.3	1.7	2.7	6.5
6 Baron	4.4	5.5	4.8	3.8	1.0	6.0	3.3	2.3	4.0	5.7
7 Envicta	4.3	5.3	5.3	4.0	1.3	7.3	5.0	1.3	2.7	5.8
8 Merit	4.2	4.8	5.1	3.9	1.7	7.7	5.0	2.7	5.3	7.2
9 Goldrush	4.1	5.8	4.8	3.3	1.3	5.7	4.3	1.3	3.7	5.7
<b>BVMG TYPE</b>										
<b>BELLEVEUE TYPE</b>										
1 Parade	4.8	4.9	4.9	4.7	7.0	6.3	1.7	9.0	5.0	7.8
<b>COMMON TYPE</b>										
1 A91-703	5.6	6.0	5.7	5.5	5.3	7.7	8.3	9.0	6.0	8.2
2 Voyager	4.8	5.1	4.3	5.1	1.7	6.3	8.3	9.0	3.7	7.2
3 Wellington	3.5	4.2	3.6	3.4	2.0	8.7	7.0	3.7	2.3	6.5
4 Kenblue	3.4	3.9	3.5	3.2	1.0	9.0	8.7	9.0	1.7	7.7
5 GO-9LM9	3.1	3.7	2.9	2.6	1.3	7.7	5.3	4.3	5.0	6.7

(Continued)

Table 4 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>			Winter Color <sup>2</sup> Feb. 2004	Spring Green-up <sup>3</sup> April 2004	Seed Heads <sup>4</sup> May 2004	Stripe Smut <sup>5</sup> May 2004	Color <sup>6</sup> Nov. 2004	Dollar Spot <sup>6</sup> 2004 Avg.
	2001-2004 Avg.	2002 Avg.	2003 Avg.						
1 BHOO-6002	4.5	4.1	4.6	2.0	6.3	6.0	7.0	5.0	4.8
2 A99LM-16	4.3	5.4	3.5	1.0	5.0	4.0	1.3	2.3	5.5
3 BHOO-6003	4.3	4.2	4.1	4.7	5.3	2.3	7.3	4.7	7.0
<b>TEXAS X KENTUCKY BLUEGRASS HYBRID</b>									
1 A98-15	6.4	6.0	6.2	6.0	6.3	8.0	9.0	7.7	8.5
2 A96-265	6.3	6.5	6.1	2.7	2.0	8.0	9.0	6.7	8.0
3 A98-13	6.2	5.9	6.0	6.0	6.3	6.7	8.7	7.3	8.0
4 SR2205	6.2	6.3	5.9	6.7	6.3	3.3	9.0	7.0	7.3
5 PST-108-79	5.9	5.8	5.8	7.3	4.0	7.3	6.7	4.0	6.8
<b>OTHER TYPE</b>									
6 Blackstone	5.8	5.5	5.7	3.7	5.7	8.3	9.0	7.0	7.3
7 SRX 26351	5.8	6.2	5.4	5.3	6.7	3.0	5.0	6.0	7.3
8 95AN-10	5.8	5.7	5.7	5.3	7.7	8.7	9.0	5.3	8.7
9 Explorer	5.7	5.7	5.6	4.0	2.3	6.3	8.3	7.7	8.3
10 A96-1246	5.6	5.9	5.8	6.3	5.0	3.3	8.3	4.7	7.3
11 SRX 2114	5.6	5.1	5.5	4.3	3.7	6.3	9.0	6.7	6.5
12 B4-128A	5.5	5.5	5.8	6.0	6.7	8.0	4.3	2.3	5.0
13 A98-430	5.5	5.6	5.5	3.0	7.3	6.0	8.3	6.7	7.8
14 A95-410	5.5	5.5	5.5	3.0	4.3	2.0	9.0	6.7	7.3
15 A95-1939	5.4	5.2	5.7	5.7	2.0	5.7	9.0	7.3	7.3

(Continued)

Table 4 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>				Winter Color <sup>2</sup> Feb. 2004	Spring Green-up <sup>3</sup> April 2004	Seed Heads <sup>4</sup> May 2004	Stripe Smut <sup>5</sup> May 2004	Color <sup>6</sup> Nov. 2004	Dollar Spot <sup>6</sup> 2004 Avg.
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.						
16 A95-414	5.4	5.1	5.5	5.2	5.7	3.7	5.7	9.0	6.7	7.0
17 Chelsea	5.4	5.3	5.1	5.7	5.3	2.7	6.3	7.7	4.0	5.7
18 IQG-36	5.4	5.8	5.0	5.5	5.1	3.0	7.0	9.0	7.0	5.0
19 PST - York Harbor 4	5.3	5.6	4.6	5.5	5.6	3.7	5.7	8.7	6.7	6.3
20 SRX 2U5	5.3	5.9	5.7	4.9	4.8	2.7	8.7	9.0	3.7	4.8
21 Serene	5.3	5.5	4.9	5.5	5.3	4.7	5.7	8.7	4.0	7.3
22 Pacific	5.3	5.3	5.3	5.5	5.2	5.3	3.0	9.0	3.3	6.7
23 Markham	5.3	5.4	4.9	5.5	5.4	5.7	2.3	9.0	4.7	8.5
24 Bartita	5.3	5.3	5.6	5.3	4.9	3.7	4.0	7.3	4.0	5.5
25 Golden Nugget	5.3	5.3	5.2	5.7	4.8	6.0	6.0	5.0	3.7	4.7
26 Bariris	5.2	5.2	5.3	5.2	5.0	4.3	6.0	5.3	5.7	6.5
27 Rita	5.2	5.5	5.0	5.3	4.9	5.3	4.7	9.0	6.7	7.5
28 Yvette	5.2	5.2	5.4	5.4	4.7	7.0	7.0	4.7	1.7	4.3
29 A97-1409	5.2	6.0	5.0	5.0	4.7	5.3	2.7	9.0	7.7	8.3
30 A82-204	5.2	5.6	5.2	5.1	4.7	7.0	8.7	8.3	6.0	8.2
31 DLF-76-9038	5.1	5.3	4.8	5.2	5.2	5.0	3.0	9.0	4.0	8.3
32 Baritone	5.1	5.1	5.2	5.5	4.8	5.0	7.0	8.0	5.3	5.3
33 PST-1201	5.1	5.3	5.6	4.9	4.7	4.0	8.3	9.0	4.7	8.0
34 SRX 220713	5.1	5.1	5.3	5.4	4.7	3.0	2.0	9.0	4.0	5.0
35 Touchdown	5.1	4.7	4.8	5.6	5.1	5.7	9.0	9.0	4.0	6.3

**OTHER TYPE (cont.)**

(Continued)

Table 4 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>				Winter Color <sup>2</sup> Feb. 2004	Spring Green-up <sup>3</sup> April 2004	Seed Heads <sup>4</sup> May 2004	Stripe Smut <sup>5</sup> May 2004	Color <sup>6</sup> Nov. 2004	Dollar Spot <sup>6</sup> 2004 Avg.
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.						
<b>OTHER TYPE (cont.)</b>										
36 Voyager II	5.1	5.4	4.9	5.0	4.9	5.0	3.3	9.0	4.0	7.7
37 IQG-38	5.1	5.3	5.0	5.0	5.0	5.3	2.7	8.7	4.3	8.0
38 Chateau	5.1	5.3	5.2	5.2	4.5	3.7	1.0	9.0	4.0	4.8
39 Allure	5.1	5.2	4.8	5.3	4.9	4.7	2.3	9.0	3.0	4.7
40 A98-1147	5.1	5.1	5.0	5.2	5.0	4.3	1.7	8.3	4.0	8.0
41 SRX 2U17	5.1	5.6	5.2	5.1	4.4	3.3	2.0	8.3	4.0	5.0
42 DLF-76-9032	5.0	4.6	4.7	5.6	5.3	3.0	7.7	8.7	4.3	6.3
43 IQG-28	5.0	5.0	5.2	4.8	5.2	5.0	3.3	8.7	4.7	8.3
44 Coventry	5.0	5.6	4.9	4.7	4.8	4.3	2.3	8.7	3.0	5.8
45 Barzan	5.0	5.4	5.1	4.9	4.6	3.0	1.3	8.3	4.0	4.8
46 A98-530	5.0	5.5	4.9	5.1	4.5	6.3	4.7	7.7	6.0	8.3
47 Limerick	5.0	5.6	4.7	5.0	4.7	2.0	6.3	9.0	3.3	6.7
48 Pp H 7832	5.0	4.8	5.1	5.4	4.7	4.7	6.7	9.0	2.7	5.2
49 Baronette	5.0	5.3	5.3	4.8	4.4	5.7	6.0	9.0	7.3	7.8
50 A98-572	5.0	5.2	4.9	4.9	4.9	5.3	2.0	9.0	4.0	8.5
51 PST B6-60	5.0	5.1	4.8	5.3	4.7	5.3	3.3	9.0	3.3	5.8
52 Royce	5.0	5.5	4.9	5.0	4.5	3.7	2.0	8.3	3.0	6.7
53 Bluemax	5.0	4.8	4.9	5.1	4.9	3.7	5.0	9.0	6.0	8.5
54 SIA96-386	5.0	5.2	4.6	5.1	4.9	3.3	2.3	8.7	4.7	8.5
55 CVB 20631	5.0	5.3	5.3	4.6	4.9	3.7	4.3	5.3	4.7	6.0

(Continued)

Table 4 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>				Winter Color <sup>2</sup> Feb. 2004	Spring Green-up <sup>3</sup> April 2004	Seed Heads <sup>4</sup> May 2004	Stripe Smut <sup>5</sup> May 2004	Color <sup>6</sup> Nov. 2004	Dollar Spot <sup>6</sup> 2004 Avg.
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.						
<b>OTHER TYPE (cont.)</b>										
56 Blue Knight	5.0	5.2	5.4	4.9	4.4	4.0	3.0	8.7	7.3	3.8
57 Pp H 7929	4.9	4.9	5.2	5.0	4.5	3.3	3.7	7.0	5.0	6.8
58 B5-45	4.9	5.3	4.4	5.1	4.8	3.7	1.7	9.0	3.7	6.5
59 Rambo	4.9	5.3	4.9	4.6	4.7	3.7	5.7	9.0	6.0	7.5
60 A96-1251	4.9	5.4	5.0	4.8	4.3	4.0	1.0	9.0	3.7	6.0
61 A98-183	4.9	5.3	4.8	4.8	4.6	3.7	6.0	7.3	5.3	8.0
62 HV 238	4.8	5.4	4.7	4.9	4.4	2.3	6.7	8.7	5.7	5.0
63 99AN-39	4.8	5.7	4.9	4.6	4.2	3.0	4.7	9.0	6.3	6.5
64 Blue Ridge	4.8	5.1	4.9	4.8	4.5	4.0	2.7	9.0	8.0	8.7
65 SCR-282	4.8	5.2	5.0	4.6	4.5	5.7	2.3	9.0	5.3	7.7
66 Lily	4.8	4.9	4.8	4.9	4.6	6.0	4.0	9.0	3.3	5.3
67 SRX 2036	4.8	4.9	4.5	4.7	5.1	5.0	9.0	8.7	3.7	7.8
68 Cynthia	4.8	5.0	4.4	5.1	4.7	4.0	3.3	8.0	4.3	6.5
69 Pp 8	4.8	5.1	4.3	5.0	4.7	3.0	8.0	7.3	4.7	7.8
70 A98-365	4.8	5.0	5.1	5.1	4.0	2.7	5.0	9.0	6.3	6.8
71 99AN-50	4.8	5.3	4.4	4.8	4.6	2.7	7.7	6.7	5.3	6.8
72 Misty	4.8	5.7	4.3	4.7	4.3	5.3	1.7	8.3	3.7	4.3
73 BAOO-6001	4.8	5.3	4.8	4.6	4.4	4.0	2.7	9.0	4.7	8.3
74 B5-50	4.8	4.7	4.8	4.9	4.6	5.0	4.7	8.3	4.7	7.0
75 B5-144	4.8	4.9	4.9	4.8	4.4	4.7	2.3	9.0	3.3	5.0

(Continued)

Table 4 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>				Winter Color <sup>2</sup> Feb. 2004	Spring Green-up <sup>3</sup> April 2004	Seed Heads <sup>4</sup> May 2004	Stripe Smut <sup>5</sup> May 2004	Color <sup>6</sup> Nov. 2004	Dollar Spot <sup>6</sup> 2004 Avg.	
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.							2004 Avg.
<b>OTHER TYPE (cont.)</b>											
76	A96-739	4.8	5.0	4.4	4.8	4.8	4.3	6.3	9.0	6.3	8.8
77	Pp H 7907	4.7	4.7	4.7	4.5	4.5	1.7	5.7	8.3	4.3	7.0
78	Monte Carlo	4.7	5.2	4.5	4.3	4.3	4.7	4.3	9.0	6.3	8.7
79	PST-H5-35	4.7	5.0	4.7	4.7	4.7	5.3	5.7	8.3	5.7	7.7
80	B5-43	4.7	4.8	4.4	4.5	4.5	4.3	5.0	7.7	3.3	6.2
81	Fairfax	4.7	5.1	4.5	4.4	4.4	4.0	3.7	9.0	3.3	6.0
82	B4-122	4.7	5.2	4.7	4.3	4.3	4.7	5.0	9.0	4.0	8.0
83	SRX 2U33	4.7	5.2	4.3	4.5	4.5	4.7	5.7	8.0	3.0	7.0
84	SRX 2U20	4.7	5.1	4.7	4.2	4.7	2.0	6.3	6.7	5.7	6.5
85	B3-168	4.7	4.8	4.8	4.4	4.6	4.0	5.0	8.3	4.7	8.2
86	A97-1524	4.7	5.2	4.7	4.6	4.1	5.7	6.0	8.7	7.0	8.5
87	A98-463	4.6	5.4	4.8	4.5	3.8	4.3	4.7	9.0	7.0	7.8
88	SRX 27921	4.6	5.1	4.9	4.4	4.1	2.0	4.7	9.0	5.3	7.2
89	Mercury	4.6	5.2	4.4	4.4	4.3	3.0	4.3	9.0	6.0	8.2
90	Appalachian	4.5	5.1	4.4	4.5	4.1	3.3	6.3	8.7	5.7	7.0
91	Cheetah	4.5	4.9	4.3	4.4	4.5	2.7	5.0	8.3	3.7	6.0
92	Blacksburg II	4.5	4.9	4.6	4.7	3.8	4.3	4.7	8.3	7.0	6.8
93	Ba 83-113	4.5	5.1	4.4	4.6	3.9	5.3	6.7	8.3	6.7	7.3
94	K 994	4.5	5.2	4.2	4.3	4.3	3.0	6.0	7.7	6.0	7.3
95	DLF-76-9036	4.5	6.0	4.8	3.7	3.4	1.3	6.7	2.0	3.3	7.3

(Continued)

Table 4 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>				Winter Color <sup>2</sup> Feb. 2004	Spring Green-up <sup>3</sup> April 2004	Seed Heads <sup>4</sup> May 2004	Stripe Smut <sup>5</sup> May 2004	Color <sup>6</sup> Nov. 2004	Dollar Spot <sup>6</sup> 2004 Avg.
	2001-2004 Avg.	2001 Avg.	2002 Avg.	2003 Avg.						
<b>OTHER TYPE (cont.)</b>										
96 B6-58	4.5	5.3	4.8	3.7	4.0	6.0	4.0	7.0	3.7	7.7
97 Washington	4.4	4.5	4.0	4.3	4.8	8.7	9.0	9.0	3.7	7.0
98 A98-407	4.4	4.4	4.5	4.8	3.9	6.0	3.0	7.3	7.0	7.3
99 Baronie	4.4	4.8	4.4	4.4	4.1	5.7	2.0	8.7	4.7	6.7
100 SRX QG245	4.4	4.7	4.4	4.6	3.9	7.3	6.0	7.3	6.7	2.3
101 Blue Sapphire	4.4	4.8	4.4	4.3	3.9	3.7	5.7	8.0	7.7	7.3
102 Jewel	4.4	4.0	4.9	4.5	4.2	5.7	5.3	6.7	3.7	7.3
103 Boomerang	4.4	4.3	4.3	4.4	4.4	4.3	5.0	9.0	6.0	7.0
104 Ba 84-140	4.3	4.5	4.4	4.7	3.8	4.3	4.3	7.3	7.7	6.5
105 A96-746	4.2	4.3	4.0	3.9	4.7	8.0	6.3	7.3	5.0	7.5
106 SRX 2U15	4.2	4.9	4.7	3.4	3.7	5.7	3.0	5.7	5.0	7.5
107 K 984	4.2	4.3	3.9	4.6	3.9	5.0	4.7	9.0	6.7	7.5
108 99AN-53	4.1	4.7	4.3	3.7	3.9	5.0	4.7	3.0	5.0	6.7
109 SRX 27753	4.1	4.0	4.5	4.1	3.8	4.7	3.3	9.0	7.7	7.7
110 K 993	4.1	4.8	3.8	4.2	3.4	7.3	6.0	9.0	6.7	6.5
111 Bodacious	4.0	3.6	4.3	4.3	3.7	4.3	2.3	8.3	5.7	7.0
112 CNC 254	4.0	4.4	3.9	4.3	3.3	9.0	6.3	2.3	4.0	6.8
113 NA-K992	3.9	3.7	4.0	3.9	4.0	4.7	3.3	8.0	6.0	7.3
114 SRX 2021	3.9	4.4	3.8	3.9	3.4	5.3	4.0	5.0	5.3	7.3
115 99AN-59	3.8	5.6	3.7	3.1	2.9	5.0	4.3	9.0	6.7	7.0

(Continued)



Table 4 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>			Winter Color <sup>2</sup> Feb. 2004	Spring Green-up <sup>3</sup> April 2004	Seed Heads <sup>4</sup> May 2004	Stripe Smut <sup>5</sup> May 2004	Color <sup>6</sup> Nov. 2004	Dollar Spot <sup>6</sup> 2004 Avg.
	2001-2004 Avg.	2002 Avg.	2003 Avg.						
116 SRX 2U22	3.7	3.6	3.5	1.0	9.0	6.0	9.0	4.7	8.2
117 SCEC-183	3.7	2.8	3.5	4.0	8.3	6.7	7.3	4.3	8.2
118 DLF-76-9034	3.6	3.1	3.7	1.7	6.0	5.7	4.7	5.0	7.7
119 A97-857	3.6	3.5	3.4	3.3	5.7	6.7	6.3	4.3	6.7
120 99AN-88	3.5	3.7	3.2	3.0	4.3	4.0	8.0	6.3	7.3
121 99PH3-2	3.5	3.5	2.9	2.3	7.7	6.7	7.7	3.7	7.2
122 W-501-G5	3.4	3.5	3.8	1.3	6.3	5.0	8.0	4.0	7.3
123 K 995	3.4	3.3	3.7	2.7	4.0	4.0	8.3	6.5	6.0
124 99AN-16	3.4	3.2	3.2	3.3	4.3	4.7	5.7	6.0	6.5
125 W-202-A7	3.2	3.2	2.4	1.0	6.3	6.7	6.7	1.7	7.0
126 W 102A-K	2.8	2.5	3.2	1.7	7.7	4.3	7.3	4.7	7.3
127 99AN-12	2.6	2.2	2.8	2.7	5.3	3.3	7.7	5.3	6.3
LSD at 5% =	0.6	0.7	0.7	0.9	1.4	2.1	1.6	1.3	1.7

**OTHER TYPE (cont.)**

<sup>1</sup>9 = best turf quality  
<sup>2</sup>9 = best winter color  
<sup>3</sup>9 = earliest spring green-up  
<sup>4</sup>9 = least seed heads visible in turf plot  
<sup>5</sup>9 = least disease  
<sup>6</sup>9 = darkest green color

Table 5. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2001 at North Brunswick, NJ.

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				Spring Green-up <sup>2</sup> April 2004	Leaf Spot <sup>3</sup> May 2004
		2002-2004 Avg.	2002 Avg.	2003 Avg.	2004 Avg.		
1	Odyssey	6.0	5.8	6.2	6.1	3.0	7.7
2	NuGlade	5.9	5.7	6.0	6.1	2.0	8.0
3	H98-701	5.9	6.3	6.0	5.3	4.3	7.0
4	A98-2677	5.9	5.9	6.0	5.7	4.3	7.7
5	A99-2987	5.8	5.7	6.2	5.5	4.0	7.3
6	Eclipse	5.8	5.4	6.1	6.0	3.0	8.3
7	H98-768	5.8	5.7	6.2	5.6	4.7	7.7
8	A99-2483	5.8	5.8	6.0	5.6	3.7	7.3
9	H98-711	5.7	5.7	5.5	5.8	3.3	7.7
10	A99-2620	5.7	5.3	6.0	5.7	4.0	7.3
11	Liberator	5.6	5.5	5.8	5.7	2.0	8.3
12	A99-2072	5.6	5.5	5.6	5.6	5.0	7.3
13	A99-2208	5.5	5.8	5.5	5.3	3.7	8.0
14	A99-2412	5.5	5.4	5.7	5.6	3.7	7.3
15	PST C-74	5.5	5.6	5.8	5.2	3.3	7.3
16	RSP	5.5	5.4	5.6	5.6	7.0	3.0
17	A98-27	5.5	5.5	5.7	5.3	3.7	7.3
18	A99-2377	5.5	5.5	5.6	5.5	3.7	7.3
19	A99-2758	5.5	5.7	5.7	5.1	3.0	6.3
20	H98-46	5.5	5.4	5.7	5.4	3.7	7.0
21	Jefferson	5.5	5.0	5.8	5.7	7.0	7.3
22	A98-962	5.5	5.2	5.9	5.4	5.3	7.3
23	H94-288	5.5	5.4	5.7	5.3	4.7	7.0
24	H98-754	5.4	5.5	5.5	5.3	3.0	7.3
25	A99-2209	5.4	5.7	5.4	5.3	3.7	8.3
26	A99-2671	5.4	5.2	5.1	5.8	4.7	7.3
27	A99-2975	5.4	5.2	5.8	5.2	4.0	7.0
28	A99-2031	5.3	5.7	5.5	5.0	4.7	8.3
29	A99-2998	5.3	5.7	5.4	4.9	3.0	8.7
30	PST-1201	5.3	5.4	5.4	5.2	6.7	7.0
31	A98-877	5.3	4.9	5.5	5.4	5.0	7.7
32	A99-2467	5.3	5.3	5.6	5.0	4.0	6.7
33	A99-2481	5.3	5.1	5.4	5.4	4.7	7.0
34	A99-2122	5.3	5.4	5.5	5.0	3.7	6.3
35	America	5.3	5.4	5.3	5.1	3.7	7.0

(Continued)

Table 5 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				Spring Green-up <sup>2</sup> April 2004	Leaf Spot <sup>3</sup> May 2004
		2002- 2004 Avg.	2002 Avg.	2003 Avg.	2004 Avg.		
36	A99-2231	5.2	5.0	5.5	5.2	3.0	7.0
37	A99-2309	5.2	5.1	5.1	5.5	4.0	7.0
38	Avalanche	5.2	4.7	5.6	5.3	5.7	7.7
39	Bluemoon	5.2	5.1	5.4	5.2	2.0	7.0
40	Washington	5.2	4.5	5.6	5.7	6.0	7.7
41	H94-195	5.2	5.3	5.2	5.1	3.7	7.7
42	Rugby II	5.2	5.2	4.9	5.5	2.3	7.3
43	A98-363	5.2	5.1	5.3	5.1	3.7	7.0
44	Eagleton	5.2	4.9	4.7	5.9	6.0	6.3
45	H98-684	5.2	5.3	5.0	5.3	3.0	8.0
46	A98-868	5.1	5.2	5.3	4.8	4.0	7.3
47	A99-2213	5.1	5.2	5.2	4.9	3.0	7.3
48	A99-2257	5.0	5.0	5.3	4.8	3.7	7.0
49	Arrow	5.0	5.0	5.2	5.0	4.7	8.0
50	SR 2284	5.0	5.3	4.6	5.2	4.7	8.7
51	A98-337	5.0	5.1	5.1	4.6	3.3	7.0
52	H98-1082	5.0	5.5	5.0	4.5	3.3	8.3
53	A99-2168	4.9	5.4	4.9	4.5	3.3	8.0
54	Lakeshore	4.9	4.8	4.8	5.2	5.0	7.3
55	A99-3123	4.8	5.2	4.8	4.5	3.7	8.0
56	A98-890	4.7	5.2	5.2	3.8	5.7	6.7
57	Award	4.7	5.3	4.2	4.5	6.3	4.7
58	A98-238	4.6	5.1	4.1	4.6	3.0	7.7
59	Chicago II	4.4	4.8	4.0	4.4	2.3	7.7
60	Freedom II	4.4	4.4	4.3	4.5	2.3	8.0
61	Rambo	4.1	4.1	4.0	4.2	5.3	5.3
62	A94MH-94	3.9	4.4	3.8	3.6	4.0	7.3
63	Bluechip	3.6	4.0	3.1	3.8	2.3	6.7
64	Atlantis	3.5	4.0	2.9	3.7	3.7	7.0
65	Clearwater	3.5	3.9	3.0	3.7	2.3	5.7
66	Absolute	3.5	3.8	2.9	3.7	3.0	7.3
67	Caliber	3.5	3.4	3.4	3.6	5.7	5.0
68	DLFJ-102	3.3	3.6	2.4	3.7	3.0	7.7
69	Nassau	3.3	3.5	3.1	3.2	6.3	2.7
70	NuBlue	3.0	3.5	2.4	3.2	5.0	6.3

(Continued)

Table 5 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				Spring Green-up <sup>2</sup> April 2004	Leaf Spot <sup>3</sup> May 2004
		2002- 2004 Avg.	2002 Avg.	2003 Avg.	2004 Avg.		
71	DLFJ-101	2.9	3.6	2.5	2.4	3.0	6.3
72	Reveille (TB x KB Hybrid <sup>4</sup> )	2.7	3.8	2.6	1.8	5.0	1.7
	LSD at 5% =	0.7	0.7	1.0	0.8	1.3	1.2

<sup>1</sup>9 = best turf quality

<sup>2</sup>9 = earliest spring green-up

<sup>3</sup>9 = least disease

<sup>4</sup>Texas x Kentucky bluegrass hybrid

Table 6. Performance of Kentucky bluegrass cultivars and selections seeded in September 2002 at North Brunswick, NJ.

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Spring Green-up <sup>2</sup> April 2004	Leaf Spot <sup>3</sup> May 2004
	2003-2004 Avg.	2003 Avg.	2004 Avg.		
1 A94-682	6.3	6.0	6.7	4.0	7.0
2 Bewitched	6.3	6.4	6.1	2.7	8.3
3 A99-2949	6.2	6.1	6.4	3.3	8.7
4 A97-1287	6.1	5.9	6.4	4.3	8.3
5 A99-2573	6.0	5.9	6.2	4.7	7.0
6 Rythum	6.0	5.7	6.3	1.7	8.3
7 A99-2783	5.9	5.4	6.4	4.7	7.3
8 H98-753	5.9	6.4	5.5	3.7	8.0
9 A99-3119	5.9	6.4	5.4	2.7	7.3
10 Bedazzled	5.9	5.9	5.9	3.7	8.0
11 Washington	5.9	6.1	5.8	6.7	7.7
12 A99-2678	5.9	6.2	5.5	3.3	8.0
13 Mystique	5.9	6.0	5.8	2.7	8.0
14 A96-425	5.8	5.7	6.1	3.7	8.0
15 A98-969	5.8	5.9	5.8	5.3	8.0
16 A99-269	5.8	6.2	5.4	3.0	7.7
17 Royce	5.8	6.2	5.5	2.7	8.0
18 A97-1412	5.8	6.1	5.4	3.3	7.3
19 A98-737	5.7	5.2	6.2	2.0	8.3
20 A99-2993	5.7	6.3	5.2	3.0	7.7
21 H94-707	5.7	6.1	5.4	2.0	8.7
22 H97-473	5.7	5.8	5.7	2.7	8.0
23 A97-1586	5.7	6.1	5.3	3.0	8.3
24 A98-290	5.7	5.6	5.7	2.3	8.3
25 A99-2620	5.7	6.1	5.3	3.0	7.3
26 A99-2674	5.7	6.2	5.2	2.3	8.0
27 A99-3117	5.7	6.0	5.4	3.0	7.3
28 A99-523	5.7	6.3	5.1	3.0	7.7
29 H98-30	5.7	6.4	5.0	4.7	8.3
30 PST C-74	5.7	6.0	5.3	2.7	7.7
31 A99-2705	5.7	6.1	5.3	2.3	7.0
32 A99-2723	5.7	5.6	5.7	2.7	8.0
33 A99-2670	5.6	6.2	5.1	3.3	7.3
34 Mystere	5.6	5.8	5.5	3.0	8.3
35 A99-2897	5.6	5.7	5.5	3.7	8.7

(Continued)

Table 6 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Spring Green-up <sup>2</sup> April 2004	Leaf Spot <sup>3</sup> May 2004
		2003-2004 Avg.	2003 Avg.	2004 Avg.		
36	Goldstar	5.6	5.7	5.6	3.0	7.7
37	A99-2950	5.6	5.5	5.7	4.0	8.0
38	H98-767	5.6	5.7	5.5	2.0	7.3
39	A99-2904	5.5	5.7	5.4	2.0	7.7
40	Landmark	5.5	5.7	5.3	6.3	7.3
41	A97-1436	5.5	5.8	5.2	3.0	9.0
42	A95-1048	5.5	4.9	6.1	4.7	8.3
43	A99-2927	5.5	5.6	5.3	2.7	8.0
44	A99-2964	5.4	5.6	5.3	1.7	8.3
45	Hunnington	5.4	5.3	5.6	4.0	6.7
46	A99-2235	5.4	5.4	5.4	2.3	7.3
47	H99-1523	5.4	5.7	5.1	2.0	7.7
48	PST H92-203	5.4	5.8	5.0	3.3	7.0
49	A99-2108	5.3	5.3	5.4	4.7	8.0
50	H2-31	5.3	5.2	5.4	5.3	8.7
51	Cabernet	5.3	5.2	5.4	5.0	6.3
52	A96-1353	5.3	5.0	5.6	4.0	8.3
53	A00-891	5.3	5.8	4.8	4.0	7.7
54	A96-368	5.3	5.3	5.2	3.7	7.7
55	A98-365	5.3	5.2	5.3	2.0	8.7
56	A98-869	5.3	5.5	5.1	5.0	7.3
57	A99-712	5.2	5.1	5.2	7.0	6.7
58	A99LM-15 (TB x KB hybrid <sup>4</sup> )	5.2	5.6	4.9	5.3	7.7
59	Brooklawn	5.2	5.1	5.2	4.7	7.7
60	Limousine	5.2	5.4	5.1	7.3	8.3
61	1052 Z	5.1	5.2	5.0	2.0	8.3
62	A97-882	5.1	5.3	5.0	5.3	6.3
63	H98-1087	5.1	5.4	5.0	2.0	7.3
64	A98-1033	5.1	5.2	5.0	5.3	7.3
65	H97-696	5.1	4.9	5.3	2.3	7.7
66	H99-163	5.1	5.2	5.0	5.3	6.3
67	A96-357	5.0	5.1	5.0	1.7	7.7
68	H99-164	5.0	4.9	5.3	5.3	7.0
69	Lakeshore	5.0	5.1	4.9	4.7	6.7
70	A00-1586	5.0	5.2	4.8	6.3	7.7

(Continued)

Table 6 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Spring Green-up <sup>2</sup> April 2004	Leaf Spot <sup>3</sup> May 2004
		2003-2004 Avg.	2003 Avg.	2004 Avg.		
71	Brunswick	5.0	4.7	5.2	5.3	6.7
72	Pacific	5.0	4.9	5.0	5.0	8.3
73	Princeton P-105	5.0	5.2	4.7	1.7	8.0
74	H99-1740	5.0	5.0	4.9	7.3	4.3
75	Bonaire	4.8	4.8	4.8	5.3	6.7
76	B5-144	4.8	4.9	4.8	4.3	7.7
77	A99-2609	4.8	5.0	4.6	3.7	7.3
78	A95-1087	4.8	5.0	4.5	1.7	8.0
79	A96-726	4.8	4.7	4.8	4.0	8.0
80	A99-2342	4.8	5.2	4.4	1.7	7.3
81	Sonic	4.8	5.3	4.2	8.0	1.3
82	Advocate	4.7	4.9	4.5	2.0	7.3
83	A99-707	4.7	4.8	4.6	8.0	4.7
84	Champlain	4.7	4.7	4.6	2.0	7.0
85	PST-222	4.7	4.6	4.8	1.3	7.7
86	A93-201	4.6	4.7	4.6	5.0	7.0
87	A97-959	4.6	4.8	4.4	5.0	7.7
88	A99-2427	4.6	4.5	4.8	2.7	7.3
89	Boutique	4.6	4.3	5.0	2.7	8.7
90	Blue Ridge	4.6	4.5	4.7	1.7	8.0
91	A95-51	4.4	4.6	4.3	4.3	6.0
92	A99-3108	4.4	4.6	4.3	1.3	7.7
93	Bordeaux	4.4	4.5	4.2	4.0	7.3
94	A98-1403	4.3	4.5	4.1	2.7	5.7
95	A99-3110	4.2	4.4	4.0	1.3	7.7
96	A98-475	4.2	4.0	4.3	3.0	7.0
97	America	4.2	3.8	4.6	3.0	6.7
98	Champagne	4.2	4.1	4.3	4.0	5.7
99	Dragon	4.0	4.1	4.0	4.0	6.0
100	A99-486	4.0	3.8	4.2	2.7	7.3
101	Appalachian	3.7	3.6	3.8	5.3	4.7
102	5618-1 (TB x KB hybrid)	3.6	3.4	3.8	4.3	6.7
103	A01-874 (TB x KB hybrid)	3.2	2.7	3.6	4.7	5.3
104	Reveille (TB x KB hybrid)	2.3	1.7	2.9	4.3	4.0

(Continued)

Table 6 (continued).

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Spring Green-up <sup>2</sup> April 2004	Leaf Spot <sup>3</sup> May 2004
	2003- 2004 Avg.	2003 Avg.	2004 Avg.		
LSD at 5% =	0.7	0.8	0.8	1.2	1.3

<sup>1</sup>9 = best turf quality

<sup>2</sup>9 = earliest spring green-up

<sup>3</sup>9 = least disease

<sup>4</sup>Texas x Kentucky bluegrass hybrid



Table 7. Performance of Kentucky bluegrass cultivars and selections seeded in September 2002 at Adelphia, NJ.

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----		
		2003-2004 Avg.	2003 Avg.	2004 Avg.
1	H94-707	6.1	6.1	6.1
2	Langara	6.1	6.3	5.8
3	A95-1048	6.0	6.2	5.9
4	H98-30	6.0	6.3	5.7
5	A99-2949	6.0	6.3	5.7
6	A97-284	5.9	6.1	5.6
7	A97-1409	5.9	5.9	5.8
8	Serene	5.8	5.9	5.7
9	Moonshadow	5.8	5.8	5.7
10	A94-MH94	5.7	6.2	5.3
11	Hallmark	5.7	6.1	5.3
12	A99-2674	5.6	5.8	5.4
13	A99-2897	5.6	5.3	5.9
14	SR 2284	5.6	5.8	5.4
15	Unique	5.6	5.9	5.3
16	A97-1436	5.6	5.6	5.6
17	A99-2235	5.6	5.8	5.3
18	Avalanche	5.6	5.4	5.7
19	Mystique	5.5	5.7	5.3
20	A99-3270	5.5	5.9	5.1
21	H98-768	5.5	5.7	5.3
22	A99-2993	5.5	5.7	5.2
23	Mystere	5.5	5.8	5.1
24	Alpine	5.5	5.0	5.9
25	A96-425	5.4	5.2	5.7
26	Showcase	5.4	5.4	5.5
27	Brilliant	5.4	5.8	5.1
28	H98-711	5.4	5.8	5.1
29	Bedazzled	5.4	5.4	5.4
30	A99-2620	5.4	5.4	5.4
31	A99-2723	5.4	5.7	5.1
32	Excursion	5.4	5.0	5.7
33	SRX 2554	5.4	5.4	5.3
34	A99-2231	5.4	5.7	5.0
35	Royce	5.3	5.6	5.1

(Continued)

Table 7 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----		
		2003- 2004 Avg.	2003 Avg.	2004 Avg.
36	A97-1412	5.3	5.8	4.8
37	A99-3117	5.3	5.5	5.1
38	A99-3119	5.3	5.7	4.9
39	A98-2128	5.3	4.9	5.7
40	Perfection	5.3	5.2	5.4
41	Goldstar	5.3	5.4	5.1
42	A97-1530	5.3	5.6	4.9
43	H98-46	5.3	5.7	4.9
44	A96-368	5.3	5.6	4.9
45	A99-269	5.3	5.5	5.0
46	H92-203	5.3	5.5	5.0
47	A99-712	5.2	4.8	5.6
48	A99-523	5.2	5.7	4.8
49	Arrow	5.2	5.3	5.2
50	America	5.2	4.8	5.7
51	A99-2904	5.2	5.5	4.9
52	A99-2168	5.2	5.2	5.2
53	H97-473	5.2	5.4	5.0
54	Midnight	5.2	5.2	5.2
55	Odyssey	5.2	5.1	5.2
56	North Star	5.2	4.6	5.8
57	SRX 26351	5.2	5.6	4.7
58	OAN-31	5.2	5.7	4.6
59	A99-2670	5.2	5.3	5.0
60	A99-2783	5.1	4.5	5.8
61	H99-1523	5.1	5.4	4.8
62	H98-1087	5.1	5.4	4.9
63	H98-753	5.1	5.4	4.8
64	Princeton P-105	5.1	4.5	5.7
65	Landmark	5.1	5.1	5.1
66	A99-2108	5.1	5.2	4.9
67	A99-2573	5.1	4.7	5.4
68	PST- C-74	5.1	5.3	4.8
69	A99-2950	5.1	4.8	5.3
70	Washington	5.1	4.9	5.2

(Continued)

Table 7 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----		
		2003-2004 Avg.	2003 Avg.	2004 Avg.
71	H98-767	5.1	5.1	5.0
72	Wildwood	5.1	5.2	4.9
73	A98-1033	5.0	4.9	5.2
74	A99-2927	5.0	5.3	4.8
75	Moonlight	5.0	5.3	4.7
76	Advocate	5.0	5.2	4.9
77	A96-1353	5.0	4.7	5.3
78	Bariris	5.0	5.0	5.0
79	A95-1087	5.0	5.5	4.5
80	A99-2678	5.0	5.2	4.8
81	A98-1403	5.0	5.0	5.0
82	A97-1586	5.0	5.2	4.8
83	A98-475	5.0	5.0	5.0
84	Rythum	5.0	4.4	5.5
85	Lakeshore	5.0	4.8	5.1
86	SRX 205	5.0	4.8	5.1
87	A97-1330	5.0	5.0	4.9
88	A98-969	5.0	4.7	5.2
89	A97-1287	5.0	4.4	5.5
90	H99-164	5.0	4.5	5.4
91	Arcadia	5.0	4.9	5.0
92	SRX-2114	5.0	4.8	5.1
93	Mercury	5.0	5.6	4.3
94	OAN-300	4.9	5.3	4.5
95	A01-845 (TB x KB hybrid <sup>2</sup> )	4.9	4.7	5.2
96	99AN-39	4.9	5.0	4.8
97	A98-365	4.9	5.0	4.8
98	A98-737	4.9	4.7	5.0
99	A95-51	4.9	4.8	4.9
100	A97-904	4.9	4.5	5.2
101	A98-305	4.9	5.2	4.5
102	H97-696	4.8	4.5	5.1
103	A96-468	4.8	4.9	4.7
104	Glenmont	4.8	4.8	4.8
105	OAN-64	4.8	4.4	5.2

(Continued)

Table 7 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----		
		2003-2004 Avg.	2003 Avg.	2004 Avg.
106	A93-485	4.8	4.4	5.2
107	A00-1586	4.8	5.1	4.5
108	H99-163	4.8	4.4	5.2
109	Bonaire	4.8	4.3	5.3
110	A98-869	4.8	4.8	4.8
111	Baronie	4.8	4.9	4.7
112	A99-3108	4.8	5.3	4.3
113	Cabernet	4.8	4.5	5.1
114	Mallard	4.8	5.0	4.6
115	A99-2964	4.8	4.5	5.0
116	A98-290	4.8	5.0	4.5
117	Bewitched	4.8	4.1	5.4
118	A99-2342	4.7	5.2	4.3
119	A99-354	4.7	4.5	4.9
120	BMX 02 0337	4.7	4.9	4.6
121	A00-891	4.7	5.2	4.2
122	Brooklawn	4.7	4.5	4.9
123	A99-707	4.7	4.9	4.5
124	Midnight II	4.7	4.2	5.2
125	Blackstone	4.7	4.7	4.7
126	OAN-211	4.7	4.6	4.7
127	Dragon	4.7	4.8	4.6
128	Baritone	4.7	4.7	4.6
129	Champagne	4.6	4.6	4.7
130	A97-882	4.6	4.2	5.0
131	Kingfisher	4.6	4.4	4.8
132	OAN-125	4.6	4.2	5.0
133	A99-2609	4.6	4.5	4.7
134	Boutique	4.6	4.5	4.6
135	PST-222	4.5	4.9	4.2
136	SRX 2205	4.5	4.0	5.1
137	Shamrock	4.5	4.4	4.7
138	Touchdown	4.5	4.3	4.8
139	A96-357	4.5	4.6	4.4
140	Pacific	4.5	4.6	4.5

(Continued)

Table 7 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----		
		2003-2004 Avg.	2003 Avg.	2004 Avg.
141	A97-959	4.5	4.4	4.6
142	Borbeaux	4.5	4.8	4.2
143	A93-201	4.5	4.2	4.8
144	Livingston	4.5	4.4	4.5
145	Limousine	4.5	3.9	5.0
146	A98-518	4.5	4.6	4.3
147	Pick 453	4.5	4.1	4.8
148	Blue Ridge	4.4	4.1	4.8
149	Champlain	4.4	4.1	4.7
150	A00TB-99 (TB x KB hybrid)	4.4	3.8	4.9
151	A99-2427	4.4	4.1	4.6
152	Brunswick	4.4	4.0	4.7
153	Fairfax	4.4	4.0	4.7
154	Baronette	4.4	4.6	4.1
155	A00-57	4.3	4.1	4.5
156	Hunnington	4.3	3.7	5.0
157	Blacksburg	4.3	4.3	4.3
158	OAN-285	4.3	4.3	4.3
159	B5-144	4.3	4.2	4.5
160	A96-726	4.3	4.1	4.5
161	A99-2140	4.3	3.8	4.8
162	Cynthia	4.3	4.1	4.5
163	SRX 2U17	4.3	4.0	4.6
164	A96-423	4.3	4.4	4.1
165	A96-415	4.3	4.2	4.3
166	A01-844 (TB x KB hybrid)	4.3	4.4	4.2
167	Canon	4.3	4.1	4.4
168	99-216	4.2	4.0	4.4
169	Rampart	4.2	4.3	4.1
170	Barrister	4.2	3.7	4.6
171	A97-890	4.2	4.1	4.2
172	Parade	4.2	4.5	3.8
173	Cheetah	4.2	4.4	3.9
174	A99-486	4.1	4.0	4.2
175	DZ-1058	4.1	4.0	4.3

(Continued)

Table 7 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----		
		2003-2004 Avg.	2003 Avg.	2004 Avg.
176	A96-305	4.1	4.5	3.8
177	SRX 20RF	4.1	4.3	3.9
178	A99LM-16 (TB x KB hybrid)	4.1	3.9	4.4
179	CIS-KFLO	4.1	4.4	3.8
180	A01-874 (TB x KB hybrid)	4.1	4.2	4.0
181	A99-3110	4.1	4.1	4.0
182	RSP	4.0	3.7	4.4
183	OAN-358	4.0	4.4	3.6
184	A00TB-63 (TB x KB hybrid)	4.0	3.3	4.7
185	Pick 1343	4.0	3.9	4.0
186	Explorer	3.9	3.9	4.0
187	H2-31	3.9	3.4	4.3
188	Sonic	3.9	3.9	3.8
189	A99-2771	3.9	3.3	4.4
190	A96-451	3.8	3.7	4.0
191	A94-976	3.8	4.1	3.5
192	Muddy Pk	3.7	3.7	3.7
193	SRX 27921	3.7	3.5	3.9
194	A96-742	3.7	3.6	3.8
195	A99LM-15 (TB x KB hybrid)	3.7	3.3	4.1
196	SR 2100	3.7	3.4	3.9
197	A01-900 (TB x KB hybrid)	3.6	3.5	3.6
198	Appalachian	3.5	3.4	3.7
199	99-126	3.5	3.0	4.0
200	Marquis	3.3	3.0	3.6
201	Revielle (TB x KB hybrid)	3.2	3.3	3.1
202	A96-715	3.0	3.1	3.0
203	99-226	3.0	3.0	3.0
204	LF 303	2.2	1.9	2.4
	LSD at 5% =	0.6	0.7	0.7

<sup>1</sup>9 = best turf quality<sup>2</sup>Texas x Kentucky bluegrass hybrid

Table 8. Performance of Kentucky bluegrass cultivars and selections seeded in September 2003 at North Brunswick, NJ.

	Cultivar or Selection	Turf Quality <sup>1</sup> 2004 Avg.	Establishment <sup>2</sup> Oct. 2003	Leaf Spot <sup>3</sup> May 2004	Summer Patch <sup>3</sup> Sept. 2004
1	A00-1400	7.1	7.0	9.0	8.3
2	A03-51	6.6	7.0	8.3	8.7
3	Excursion	6.6	6.7	7.3	8.0
4	A03-84	6.6	6.3	8.0	8.7
5	Liberator	6.5	7.3	7.0	7.0
6	Total Eclipse	6.4	8.0	7.7	6.7
7	NuGlade	6.4	7.0	6.3	7.3
8	A99-2103	6.3	7.0	8.3	9.0
9	Bluestone	6.3	6.7	6.3	9.0
10	A99-2717	6.3	7.0	8.7	8.7
11	A03-50	6.3	6.3	8.3	8.0
12	A97-1468	6.3	6.3	7.7	8.3
13	A03-73	6.2	6.0	7.0	8.7
14	Rugby II	6.2	6.0	5.3	8.7
15	Boutique	6.2	7.0	8.0	7.7
16	A97-1304	6.1	7.3	7.7	7.7
17	A99-425	6.1	6.7	7.0	8.3
18	Award	6.1	7.0	7.0	8.3
19	A99-2110	6.1	7.3	8.0	8.3
20	A97-1481	6.1	6.7	7.7	7.3
21	Sonoma	6.1	6.0	8.0	7.3
22	A03-1	6.0	7.0	5.0	7.7
23	A99-2723	6.0	7.0	8.0	8.7
24	A99-2108	6.0	6.7	8.0	8.3
25	H99-384	6.0	6.0	7.0	8.7
26	A03-3	6.0	6.3	4.3	8.0
27	A97-1287	6.0	6.7	8.0	8.7
28	Bedazzled	6.0	6.7	8.0	8.3
29	Beyond	6.0	7.7	6.7	7.7
30	A03-70	6.0	7.3	7.3	8.3
31	A97-1573	6.0	6.7	8.0	8.7
32	A96-454	5.9	6.0	7.7	8.0
33	A99-2559	5.9	6.3	6.3	8.0
34	Impact	5.9	7.0	7.3	8.3
35	A99-2674	5.9	7.3	8.0	8.3

(Continued)

Table 8 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2004 Avg.	Establishment <sup>2</sup> Oct. 2003	Leaf Spot <sup>3</sup> May 2004	Summer Patch <sup>3</sup> Sept. 2004
36	A99-3094	5.9	7.3	7.3	7.7
37	A00-62	5.9	6.3	7.0	8.7
38	A00-4036	5.9	7.0	7.0	9.0
39	BlueMoon	5.9	6.0	7.0	8.0
40	A03-33	5.8	7.0	7.3	8.3
41	PST C-74	5.8	6.3	8.3	9.0
42	A97-1328	5.8	8.0	7.7	8.3
43	H94-305	5.8	8.0	4.0	8.3
44	H01-229	5.8	7.3	7.0	8.7
45	A03-28	5.8	6.7	8.0	8.0
46	A03-34	5.8	6.3	5.7	8.7
47	A96-1338	5.8	5.3	7.3	7.3
48	Rambo	5.8	7.3	6.7	7.3
49	Midnight	5.7	7.3	6.7	8.7
50	A97-1263	5.7	8.0	8.3	8.0
51	A03-4	5.7	6.3	5.7	6.0
52	A03-5	5.7	7.0	3.7	9.0
53	A03-56	5.7	5.3	6.3	8.0
54	A03-86	5.7	7.3	6.3	8.3
55	A97-1560	5.7	6.3	7.7	8.7
56	H99-338	5.7	6.3	8.3	8.3
57	H99-334	5.6	8.7	5.3	9.0
58	A03-66	5.6	7.0	6.7	7.0
59	A03-6	5.6	6.7	3.7	9.0
60	A03-25	5.6	5.3	5.0	9.0
61	A03-37	5.6	7.0	6.0	7.7
62	A03-27	5.6	6.7	4.7	8.7
63	A95-1048	5.6	6.7	6.0	9.0
64	RSP	5.5	7.3	5.7	8.7
65	A03-59	5.5	7.0	7.0	8.7
66	A94-703	5.5	6.3	7.0	7.7
67	A96-368	5.5	6.3	7.0	8.7
68	A95-1087	5.5	6.0	8.3	8.3
69	H98-30	5.5	7.3	7.7	7.7
70	H98-487	5.5	5.7	7.7	8.7

(Continued)



Table 8 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2004 Avg.	Establishment <sup>2</sup> Oct. 2003	Leaf Spot <sup>3</sup> May 2004	Summer Patch <sup>3</sup> Sept. 2004
71	A99-2226	5.5	6.3	7.7	9.0
72	PST-1201	5.5	6.7	6.0	6.7
73	A93-485	5.5	5.7	7.0	7.7
74	A97-1371	5.5	6.0	6.7	8.0
75	A00-8	5.5	6.7	5.7	8.0
76	Mystere	5.5	6.7	8.0	8.7
77	A99LM-15 (TB x KB hybrid <sup>4</sup> )	5.5	7.0	5.7	8.7
78	A03-38	5.4	5.7	6.7	8.0
79	H99-164	5.4	6.7	6.3	8.3
80	A03-8	5.4	6.3	4.3	8.3
81	A03-23	5.4	7.0	4.0	9.0
82	Eagleton	5.4	8.7	4.7	7.7
83	A03-62	5.4	6.0	7.3	9.0
84	A03-81	5.4	6.3	7.0	7.3
85	A98-233	5.4	5.3	8.3	7.7
86	A97-1303	5.4	7.7	7.7	8.0
87	A00-247	5.4	6.3	8.3	9.0
88	A00-4149	5.4	6.3	8.3	6.7
89	Chicago II	5.4	6.3	7.0	7.3
90	A97-1510	5.4	6.3	7.7	9.0
91	Royce	5.4	6.3	8.0	9.0
92	Diva	5.4	5.7	8.3	8.7
93	A03-64	5.4	6.3	8.3	9.0
94	A98-969	5.4	7.0	6.0	7.3
95	A03-35	5.3	5.7	7.0	7.7
96	A03-42	5.3	6.7	7.0	7.7
97	A03-65	5.3	7.0	8.0	8.7
98	H92-389	5.3	6.7	6.7	8.3
99	A97-1333	5.3	6.0	7.3	8.3
100	A97-1290	5.3	6.3	7.0	9.0
101	A99-2921	5.3	6.0	6.7	8.3
102	A98-1038	5.3	7.3	6.0	7.3
103	A99-2499	5.3	6.7	7.7	9.0
104	A03-61	5.3	6.7	7.0	8.3
105	A03-63	5.3	5.3	8.0	7.7

(Continued)

Table 8 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup>	Establishment <sup>2</sup>	Leaf Spot <sup>3</sup>	Summer Patch <sup>3</sup>
		2004 Avg.	Oct. 2003	May 2004	Sept. 2004
106	A03-75	5.3	6.0	7.0	9.0
107	A99-3110	5.3	6.0	8.0	7.3
108	A00-4135	5.3	6.7	8.0	7.7
109	A99-2427	5.3	6.0	7.7	8.3
110	H98-46	5.3	5.7	7.7	9.0
111	A00-4199	5.3	6.0	7.7	7.7
112	Bordeaux	5.3	7.3	7.0	7.3
113	A03-21	5.2	6.0	7.0	7.7
114	Freedom II	5.2	6.0	7.3	8.0
115	A99-2525	5.2	6.0	7.7	8.7
116	A03-153	5.2	5.7	8.7	6.3
117	Champlain	5.2	6.3	7.7	8.7
118	Mystique	5.2	5.7	8.3	8.0
119	A99-2426	5.2	6.0	8.3	9.0
120	Hunnington	5.2	5.3	6.7	8.7
121	A03-24	5.1	5.7	4.0	9.0
122	A03-26	5.1	7.3	4.7	7.7
123	A99-712	5.1	7.3	4.3	7.0
124	A97-959	5.1	7.0	6.7	8.7
125	Princeton P-105	5.1	4.0	7.3	9.0
126	A99-2950	5.1	6.0	6.3	9.0
127	A03-77	5.1	6.0	6.7	9.0
128	A99-2280	5.1	7.0	6.3	7.3
129	H97-646	5.1	7.7	6.0	8.0
130	A97-890	5.1	6.3	7.7	7.7
131	A03-69	5.0	6.3	4.0	8.7
132	Cabernet	5.0	7.0	5.3	7.7
133	8489 (TB x KB hybrid)	5.0	7.7	3.3	8.7
134	A03-29	5.0	7.7	4.3	8.7
135	A97-805	5.0	8.7	6.7	7.7
136	A99-3108	5.0	5.3	8.3	7.7
137	Brooklawn	5.0	7.7	6.7	6.3
138	A03-9	5.0	5.3	5.3	6.3
139	A03-79	5.0	5.7	8.0	8.0
140	A98-1315	5.0	5.7	4.0	8.0

(Continued)

Table 8 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup>	Establishment <sup>2</sup>	Leaf Spot <sup>3</sup>	Summer Patch <sup>3</sup>
		2004 Avg.	Oct. 2003	May 2004	Sept. 2004
141	H94-467	5.0	6.3	4.3	8.7
142	A00-4058	4.9	5.3	7.0	7.7
143	A96-975	4.9	6.3	6.3	7.7
144	A99-3182	4.9	7.0	6.0	4.0
145	Durham	4.9	5.7	7.7	8.3
146	A99-2631	4.9	6.0	7.7	8.3
147	A98-861	4.9	7.0	6.0	7.0
148	A03-71	4.8	5.3	8.0	9.0
149	A03-76	4.8	5.7	8.3	8.7
150	Champagne	4.8	7.0	6.3	7.7
151	NuBlue	4.8	8.0	7.3	7.0
152	BlueChip	4.8	7.7	6.0	7.7
153	A03-12	4.7	8.0	5.3	8.3
154	A00-4019	4.7	8.0	4.3	8.3
155	A03-45	4.7	6.3	7.0	7.3
156	Muddy Park	4.7	7.7	3.7	5.7
157	A96-715 (TB x KB hybrid)	4.7	4.3	7.3	7.7
158	A03-72	4.6	5.3	7.3	7.3
159	A01-781	4.6	5.3	6.3	6.0
160	489-12 (TB x KB hybrid)	4.5	3.7	6.3	8.7
161	H01-494	4.5	8.0	4.3	8.0
162	Sonic	4.5	7.0	3.7	8.0
163	A99-707	4.5	7.7	2.7	7.7
164	A98-407	4.4	5.7	8.0	7.0
165	A99LM-18 (TB x KB hybrid)	4.3	6.3	6.0	5.7
166	A97-1271 (TB x KB hybrid)	4.3	5.0	7.0	6.7
167	A01-881 (TB x KB hybrid)	3.9	7.7	3.0	7.7
168	A02-949	3.6	5.0	6.3	8.3
169	A02-284 (TB x KB hybrid)	3.4	6.0	5.3	5.0
170	A02-947 (TB x KB hybrid)	3.3	3.0	6.7	9.0
	LSD at 5% =	0.7	1.3	1.3	1.5

<sup>1</sup>9 = best turf quality<sup>2</sup>9 = best seedling establishment<sup>3</sup>9 = least disease<sup>4</sup>Texas x Kentucky bluegrass hybrid

Table 9. Performance of Kentucky bluegrass cultivars and selections seeded in September 2003 at Adelphia, NJ. (Test 1.)

	Cultivar or Selection	Turf Quality <sup>1</sup> 2004 Avg.	Establishment <sup>2</sup> Sept. 2003	Seedling Vigor <sup>3</sup> Sept. 2003	Spring Green-up <sup>4</sup> April 2004	Leaf Spot <sup>5</sup> May 2004
1	A03-73	6.9	5.0	5.0	6.0	7.0
2	Moonshadow	6.5	6.0	5.7	5.0	6.3
3	A97-1573	6.5	6.3	6.0	6.0	8.0
4	Royale	6.5	7.3	6.7	6.0	7.3
5	A99-354	6.5	7.3	6.7	8.0	7.3
6	A03-66	6.4	6.0	6.0	6.7	8.0
7	A03-84	6.4	5.0	5.7	5.7	7.7
8	A03-3	6.4	3.7	4.7	6.7	5.7
9	A00-1400	6.4	4.3	4.7	5.7	8.0
10	A95-1048	6.3	7.0	6.3	6.3	6.0
11	Monte Carlo	6.3	7.7	6.3	5.7	8.0
12	H98-30	6.3	6.0	6.3	6.3	6.7
13	A99-3110	6.3	5.3	5.0	6.7	8.0
14	A99-2723	6.2	6.3	5.3	5.3	7.7
15	Perfection	6.2	7.3	6.0	4.0	7.0
16	A99-425	6.2	7.0	7.0	6.3	7.0
17	Mystique	6.2	5.7	5.3	4.7	7.3
18	A97-1287	6.2	6.0	5.3	6.3	7.3
19	A97-1468	6.2	6.0	5.0	5.3	8.3
20	A99-3119	6.2	7.7	6.7	5.0	8.0
21	SR 2284	6.2	6.7	5.7	8.0	7.0
22	A97-1560	6.1	6.7	5.7	4.3	8.3
23	Absolute	6.1	6.7	5.7	4.3	7.3
24	Diva	6.1	5.3	5.7	6.0	7.7
25	Hallmark	6.1	8.3	7.7	5.0	7.7
26	3RAD-504	6.1	3.0	4.0	4.3	5.7
27	BAR Pp 0468	6.1	6.7	6.0	5.3	8.0
28	BAR Pp 0573	6.1	6.0	6.0	5.3	7.3
29	A96-1338	6.1	3.7	4.7	7.3	6.3
30	Beyond	6.1	8.0	6.3	3.0	6.3
31	A97-1303	6.1	7.0	7.0	6.0	7.7
32	A96-975	6.1	6.3	8.0	7.0	5.3
33	Rugby II	6.1	7.0	6.3	3.3	7.3
34	2RAD-343	6.1	7.3	8.0	7.3	5.7
35	A97-1481	6.0	6.0	5.3	5.3	8.0

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2004 Avg.	Establishment <sup>2</sup> Sept. 2003	Seedling Vigor <sup>3</sup> Sept. 2003	Spring Green-up <sup>4</sup> April 2004	Leaf Spot <sup>5</sup> May 2004
36	A99-2108	6.0	6.0	6.3	6.3	6.7
37	Bluestone	6.0	8.7	7.0	3.0	6.7
38	A97-1409	6.0	7.0	5.7	3.3	7.3
39	Blue Ridge	6.0	6.3	6.3	6.7	8.0
40	A99-2559	5.9	4.3	5.3	8.0	5.7
41	Cabernet	5.9	7.3	8.0	6.0	7.0
42	Boutique	5.9	7.3	7.7	6.3	8.0
43	Langara	5.9	8.3	8.0	6.3	6.7
44	A99-2226	5.9	5.3	4.3	5.7	7.7
45	A03-71	5.9	4.3	4.3	5.3	8.3
46	Sonoma	5.9	6.7	5.7	6.3	7.0
47	Arcadia	5.9	6.0	5.3	5.0	7.3
48	Total Eclipse	5.8	8.3	7.0	3.7	6.0
49	Royce	5.8	8.3	7.0	4.0	7.3
50	Princeton P-105	5.8	6.0	5.3	4.3	6.7
51	Bedazzled	5.8	5.0	5.0	7.0	8.0
52	A96-368	5.8	7.0	6.7	5.3	7.3
53	A00-247	5.8	5.7	5.0	5.3	7.3
54	A99-2674	5.8	6.3	5.0	5.3	7.3
55	A99-2499	5.8	6.3	5.0	4.7	7.3
56	OAN-64	5.8	5.0	5.3	6.7	7.3
57	Odyssey	5.8	7.3	6.0	3.0	6.3
58	A97-1304	5.8	6.0	4.7	5.3	8.0
59	A99-2110	5.8	5.7	4.7	6.0	7.3
60	Mercury	5.8	7.7	6.7	5.0	6.7
61	Midnight	5.7	7.7	7.0	3.0	6.7
62	A03-61	5.7	5.3	5.0	4.7	7.3
63	PST C-74	5.7	5.3	4.7	5.0	8.0
64	A03-75	5.7	5.0	4.0	4.7	7.7
65	A03-79	5.7	5.3	5.0	7.0	8.3
66	A97-1328	5.7	7.3	6.0	5.0	8.0
67	A96-454	5.7	5.7	5.3	6.0	7.7
68	BlueMoon	5.7	8.0	6.7	3.0	6.3
69	Pick 711	5.7	6.3	5.3	5.3	7.7
70	A03-76	5.7	6.0	4.7	5.7	8.0

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2004 Avg.	Establishment <sup>2</sup> Sept. 2003	Seedling Vigor <sup>3</sup> Sept. 2003	Spring Green-up <sup>4</sup> April 2004	Leaf Spot <sup>5</sup> May 2004
71	Wildwood	5.7	8.3	8.0	4.3	6.0
72	A99-2426	5.7	5.0	4.7	5.3	7.0
73	NuGlade	5.7	7.3	6.7	3.7	6.0
74	Award	5.7	7.0	6.7	4.0	6.3
75	Blue Velvet	5.7	6.7	6.0	3.7	6.7
76	Pick 768	5.7	5.7	5.0	5.7	8.3
77	A03-70	5.6	5.7	4.7	4.7	7.3
78	PST-1201	5.6	5.0	5.7	6.7	7.0
79	Excursion	5.6	8.7	6.3	3.0	6.7
80	HS-03	5.6	4.7	5.3	5.0	7.0
81	A03-37	5.6	5.7	5.7	6.7	7.3
82	A03-50	5.6	3.7	4.0	5.0	7.0
83	A03-56	5.6	2.7	3.3	7.7	6.0
84	A00-4135	5.6	4.7	5.3	5.7	7.0
85	A97-1371	5.6	5.7	5.7	5.3	7.3
86	H01-229	5.6	6.0	6.7	4.3	5.0
87	Mallard	5.6	6.0	6.0	6.7	7.3
88	Showcase	5.6	5.7	5.7	5.3	7.7
89	A94-703	5.6	5.0	6.0	6.3	6.0
90	A00-4036	5.6	6.3	5.3	4.3	7.0
91	Liberator	5.6	8.3	6.3	3.3	7.0
92	Bordeaux	5.6	8.0	6.3	6.0	6.7
93	A03-65	5.5	4.3	4.3	5.7	7.7
94	Rampart	5.5	6.7	8.0	4.3	7.3
95	A93-485	5.5	2.3	3.0	7.3	5.3
96	A03-1	5.5	4.7	5.7	5.3	5.7
97	A99-3108	5.5	4.3	5.0	5.7	7.7
98	A99-2921	5.5	5.0	5.0	6.7	7.3
99	Mystere	5.5	7.0	6.3	4.3	7.3
100	A03-62	5.4	4.0	4.7	5.3	8.3
101	A03-77	5.4	4.0	4.7	6.0	7.0
102	A99-2950	5.4	5.7	5.7	5.0	6.7
103	A99-2231	5.4	4.0	4.0	5.7	8.0
104	Barrister	5.4	7.3	5.7	4.0	7.7
105	SRX 26351	5.4	6.7	5.7	5.7	7.0

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2004 Avg.	Establishment <sup>2</sup> Sept. 2003	Seedling Vigor <sup>3</sup> Sept. 2003	Spring Green-up <sup>4</sup> April 2004	Leaf Spot <sup>5</sup> May 2004
106	A03-45	5.4	5.7	6.0	7.0	5.7
107	A97-805	5.4	7.0	7.3	6.0	5.3
108	H98-46	5.4	3.7	4.0	5.3	8.3
109	A99-3094	5.4	7.0	5.7	4.3	6.7
110	Champlain	5.4	5.3	5.3	5.0	7.0
111	Explorer	5.4	5.3	5.0	4.0	6.3
112	A99-3182	5.4	4.0	5.0	5.7	5.3
113	BAR Pp 0471	5.4	7.3	6.0	3.7	7.7
114	A01-781	5.3	3.7	3.7	5.3	4.7
115	H98-487	5.3	4.7	4.7	4.7	7.3
116	Kingfisher	5.3	4.7	5.0	6.3	7.3
117	A03-23	5.3	3.7	5.3	8.0	4.7
118	Baritone	5.3	7.0	7.7	4.3	5.7
119	A03-35	5.3	3.7	4.7	6.0	7.3
120	H99-338	5.3	4.0	5.0	5.0	6.7
121	A97-1686	5.3	4.0	5.0	7.3	8.0
122	Bariris	5.3	8.0	8.3	5.3	6.0
123	Baronette	5.3	8.0	8.0	6.7	6.7
124	Indigo	5.3	3.0	3.7	6.3	7.3
125	A03-12	5.2	5.3	7.7	7.3	5.3
126	A98-969	5.2	6.7	6.3	5.7	5.7
127	A98-869	5.2	7.0	6.7	6.0	5.0
128	H99-384	5.2	5.3	5.3	7.0	6.3
129	Chicago II	5.2	6.3	5.3	4.3	7.3
130	1567	5.2	4.7	6.0	5.7	8.0
131	SRX 2U17	5.2	4.3	4.7	5.7	6.3
132	A03-5	5.2	5.3	7.3	7.7	3.7
133	A03-28	5.2	5.0	4.7	5.0	7.3
134	A03-64	5.2	4.3	4.0	5.7	7.3
135	A99-2103	5.2	5.3	5.0	4.7	7.7
136	A00-4058	5.2	3.0	3.7	5.3	6.3
137	Rambo	5.2	7.3	7.0	4.3	7.0
138	Shamrock	5.2	6.7	6.3	6.7	6.7
139	A03-33	5.2	5.3	6.0	5.3	6.0
140	A03-86	5.2	7.0	7.3	6.0	5.7

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2004 Avg.	Establishment <sup>2</sup> Sept. 2003	Seedling Vigor <sup>3</sup> Sept. 2003	Spring Green-up <sup>4</sup> April 2004	Leaf Spot <sup>5</sup> May 2004
141	H94-305	5.2	5.7	7.7	8.3	4.3
142	H97-646	5.2	7.3	8.0	6.7	5.3
143	A00-4199	5.2	3.3	4.0	5.3	6.7
144	A03-4	5.1	3.3	4.0	6.7	6.0
145	A03-24	5.1	4.0	5.3	7.7	5.0
146	A03-34	5.1	4.3	5.3	6.3	5.7
147	A03-42	5.1	4.0	4.7	6.3	5.7
148	A03-81	5.1	5.3	4.3	5.3	6.0
149	A99-2717	5.1	7.3	5.3	4.7	7.3
150	Sonic	5.1	8.7	8.7	4.3	3.7
151	99-120-03	5.1	4.0	5.3	6.0	7.3
152	2RAD-341	5.1	6.7	6.3	4.3	4.0
153	Cynthia	5.1	7.0	6.7	4.3	4.0
154	RSP	5.1	2.7	4.0	7.0	4.7
155	A03-29	5.1	4.7	5.7	7.3	4.0
156	A03-69	5.1	3.3	5.3	8.0	4.3
157	A00-8	5.1	4.3	5.3	8.3	5.0
158	A98-1038	5.1	6.3	6.7	6.7	5.3
159	Hunnington	5.1	2.3	4.0	6.0	5.3
160	SRX 00451	5.1	3.0	3.3	6.0	8.0
161	A03-6	5.1	5.0	7.0	8.0	4.0
162	H99-334	5.1	5.0	6.7	7.7	4.7
163	A03-153	5.1	3.7	3.0	5.3	6.7
164	H97-615	5.1	5.7	7.3	7.0	5.3
165	A03-8	5.0	3.7	5.7	7.0	4.0
166	A03-26	5.0	4.3	5.3	8.0	3.3
167	A03-38	5.0	3.3	5.0	6.7	6.3
168	A03-51	5.0	3.7	4.0	5.3	7.7
169	H94-467	5.0	5.3	6.7	7.3	3.3
170	Impact	5.0	7.7	5.7	3.3	7.0
171	BAR VB 9601	5.0	6.7	5.7	3.3	7.0
172	BAR Pp 0566	5.0	4.0	5.0	6.3	7.7
173	America	5.0	7.7	6.7	4.7	6.7
174	A03-21	5.0	3.7	4.0	5.3	7.0
175	A95-1087	5.0	4.0	4.3	5.7	8.0

(Continued)



Table 9 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2004 Avg.	Establishment <sup>2</sup> Sept. 2003	Seedling Vigor <sup>3</sup> Sept. 2003	Spring Green-up <sup>4</sup> April 2004	Leaf Spot <sup>5</sup> May 2004
176	A00-62	5.0	6.0	6.0	6.7	5.7
177	Champagne	5.0	7.3	7.7	5.7	5.3
178	Bewitched	5.0	2.0	2.0	5.0	7.3
179	Pick 453	5.0	4.0	6.3	4.3	7.3
180	A03-9	5.0	2.0	3.0	4.7	6.3
181	Eagleton	5.0	5.7	5.3	4.7	6.0
182	A03-59	5.0	5.0	4.3	5.3	8.0
183	A00-4019	5.0	6.3	8.0	5.3	4.0
184	Lakeshore	5.0	6.7	6.3	6.3	5.0
185	KBB-03	5.0	7.7	8.3	5.7	4.7
186	3283	5.0	3.3	3.7	7.3	7.3
187	99AN-50	5.0	5.7	5.0	4.7	3.3
188	SRX 00509	5.0	3.3	4.0	5.0	8.0
189	A98-1315	4.9	4.3	5.3	5.3	5.7
190	2RAD-345	4.9	6.7	6.0	5.3	6.3
191	SR 2100	4.9	7.3	7.3	4.3	5.3
192	A99-712	4.9	5.0	8.7	5.7	3.0
193	BlueChip	4.9	7.3	6.0	5.0	5.7
194	A03-25	4.9	3.0	5.0	7.3	4.3
195	A03-63	4.9	3.3	4.0	5.7	7.0
196	A03-72	4.9	4.0	4.7	5.3	7.7
197	BAR VB 3115B	4.9	6.7	7.7	4.0	6.0
198	A97-1263	4.8	6.0	4.7	4.7	8.0
199	A99-2427	4.8	4.0	4.3	4.7	7.0
200	Barimpala	4.8	9.0	9.0	4.7	4.3
201	Cheetah	4.8	6.7	6.7	5.3	4.7
202	A03-27	4.8	4.3	5.3	7.3	4.3
203	Baronie	4.8	6.3	7.0	7.0	6.0
204	A99-707	4.8	5.7	7.7	7.3	2.0
205	K991	4.8	5.0	7.0	5.0	7.0
206	A98-233	4.7	1.7	2.7	6.0	7.7
207	A98-305	4.7	3.3	3.7	5.3	7.3
208	A00-4149	4.7	4.7	4.0	5.3	7.3
209	VB 20935	4.7	3.3	3.3	4.3	7.0
210	Rythum	4.7	3.7	4.0	3.7	7.0

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2004 Avg.	Establishment <sup>2</sup> Sept. 2003	Seedling Vigor <sup>3</sup> Sept. 2003	Spring Green-up <sup>4</sup> April 2004	Leaf Spot <sup>5</sup> May 2004
211	2RAD-338	4.7	6.3	6.0	3.3	6.7
212	Barcrista	4.7	7.7	8.0	4.7	5.7
213	Pick 2168	4.7	4.0	4.0	6.0	7.0
214	Bartender	4.7	8.7	7.7	5.3	7.0
215	FairFax	4.7	8.3	6.0	5.3	5.3
216	SRX 2ORF	4.7	7.0	7.0	3.7	5.7
217	IS-KFLO	4.6	5.3	5.3	5.7	6.7
218	Baron	4.6	7.3	5.7	4.3	5.7
219	A97-1290	4.6	5.7	4.0	6.0	6.0
220	A97-959	4.6	4.7	5.7	6.3	5.7
221	3257	4.6	3.0	3.3	6.3	7.0
222	2RAD-308	4.6	3.3	3.7	4.7	6.0
223	Freedom II	4.5	6.7	6.0	4.7	7.0
224	Limousine	4.5	7.0	6.0	5.7	5.7
225	Muddy Park	4.5	4.3	6.0	6.0	2.7
226	NuBlue	4.5	8.0	8.7	5.3	5.7
227	Glenmont	4.5	6.3	5.0	5.3	7.7
228	Pick 46	4.5	4.0	4.3	5.3	7.3
229	Pick 1343	4.5	5.3	5.3	5.7	7.3
230	SRX 003180	4.5	3.0	3.3	5.7	6.3
231	Brooklawn	4.4	8.7	7.7	6.0	5.0
232	H01-494	4.4	6.0	8.0	8.3	2.7
233	A98-407	4.4	3.0	3.3	5.3	7.3
234	7SE 13	4.4	7.7	8.3	3.0	7.0
235	A97-890	4.4	2.3	2.3	6.7	5.7
236	A99-2280	4.3	5.3	5.3	6.0	6.0
237	H92-389	4.3	2.3	2.7	5.3	7.0
238	Canon	4.3	3.0	3.7	5.0	5.7
239	Wellington	4.2	8.0	9.0	6.3	3.7
240	2RAD-76	4.2	3.3	3.3	3.7	2.3
241	Marquis	4.2	4.3	5.3	5.3	5.3
242	SRX 27921	4.2	6.3	6.0	3.3	6.0
243	A00-TXKB-03 (TB x KB hybrid <sup>6</sup> )	4.2	2.0	2.3	6.0	7.3
244	A02-949 (TB x KB hybrid)	4.1	2.0	2.7	7.7	6.0
245	H99-164	4.1	5.0	4.7	5.7	6.0

(Continued)

Table 9 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2004 Avg.	Establishment <sup>2</sup> Sept. 2003	Seedling Vigor <sup>3</sup> Sept. 2003	Spring Green-up <sup>4</sup> April 2004	Leaf Spot <sup>5</sup> May 2004
246	3248	4.1	2.7	3.0	6.0	5.3
247	A99-2525	4.0	3.0	3.3	4.3	7.0
248	Blue Angel	4.0	9.0	9.0	8.7	1.3
249	WP 301	4.0	4.0	6.0	6.3	3.0
250	SRX 00332	3.9	1.3	2.0	5.3	7.7
251	Moonstruck	3.8	9.0	9.0	9.0	1.3
252	Cadet	3.7	6.3	6.7	3.7	6.7
253	SRX 003078	3.7	1.7	2.0	5.7	7.3
254	3249	3.6	4.0	4.0	4.3	5.3
255	SRX 003064	3.5	2.0	3.0	4.3	6.7
256	IS-KB310	3.5	2.3	3.3	3.7	6.3
257	A99-TXKB-03 (TB x KB hybrid)	3.2	1.3	1.7	6.3	6.3
	LSD at 5% =	1.0	1.1	1.1	1.5	1.1

<sup>1</sup>9 = best turf quality<sup>2</sup>9 = best seedling establishment<sup>3</sup>9 = greatest vigor<sup>4</sup>9 = earliest spring green-up<sup>5</sup>9 = least disease<sup>6</sup>Texas x Kentucky bluegrass hybrid

Table 10. Performance of Kentucky bluegrass cultivars and selections seeded in September 2003 at Adelphia, NJ. (Test 2.)

	Cultivar or Selection	Turf Quality <sup>1</sup>	Establishment <sup>2</sup>	Stem Rust <sup>3</sup>	Spring Green-up <sup>4</sup>
		2004 Avg.	Sept. 2003	Oct. 2003	April 2004
1	Prosperity	6.1	4.7	3.3	6.0
2	Blue-tastic	5.9	6.7	6.7	5.0
3	109-961	5.9	4.7	6.3	6.0
4	101-389	5.9	4.0	4.7	4.7
5	Serene	5.9	7.3	4.0	6.7
6	102-1048	5.6	4.5	4.5	7.0
7	1A2-53	5.5	3.3	7.0	7.0
8	101-98 BS	5.5	4.0	7.0	5.7
9	Apollo	5.5	7.3	4.7	5.7
10	Midnight II	5.4	6.7	3.0	4.3
11	Voyager II	5.4	7.7	4.7	5.0
12	Moonlight	5.4	8.3	4.0	6.0
13	NorthStar	5.3	7.0	3.3	1.7
14	102-46	5.3	6.0	7.3	8.0
15	109-285 BS	5.3	4.0	7.0	4.7
16	Blackstone	5.3	8.0	3.7	5.7
17	H99-384	5.2	6.3	4.3	7.3
18	109-1121	5.2	3.0	6.0	4.3
19	1A1-326 BS	5.2	3.0	6.7	3.7
20	Brilliant	5.2	7.7	3.3	5.0
21	H99-132	5.2	4.3	4.3	5.0
22	A0-32-BS	5.1	3.0	4.7	6.7
23	A99LM-15 (TX x KB hybrid <sup>5</sup> )	5.1	5.0	4.7	7.3
24	102-360	5.0	5.0	4.0	2.7
25	B5-114 BS	5.0	5.0	3.7	4.7
26	Unique	5.0	6.7	4.7	5.0
27	Moon Beam	4.9	3.3	4.0	4.7
28	109-507 BS	4.9	4.7	5.0	4.7
29	Y2K-132	4.9	3.0	7.3	4.7
30	IB7-166	4.9	4.0	5.3	5.7
31	109-1110	4.9	2.7	7.3	5.3
32	Midnight	4.9	6.7	2.7	4.3
33	Y2K-34 BS	4.9	3.7	4.7	3.7
34	Pp-23651	4.8	4.3	3.7	5.3
35	Y2K-31	4.8	2.3	5.3	5.3

(Continued)

Table 10 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2004 Avg.	Establishment <sup>2</sup> Sept. 2003	Stem Rust <sup>3</sup> Oct. 2003	Spring Green-up <sup>4</sup> April 2004
36	102-21	4.7	5.0	1.0	4.0
37	Y2K-169 BS	4.7	4.3	3.7	2.7
38	102-145	4.7	3.0	4.7	5.3
39	Moonshine	4.7	4.0	5.3	7.0
40	Midnight Star	4.7	7.7	2.0	4.3
41	101-519 BS	4.6	6.0	1.7	5.0
42	102-2	4.6	4.7	5.3	6.3
43	A00TB-101 (TX x KB hybrid)	4.6	3.0	7.3	8.3
44	102-524	4.6	1.7	7.0	5.3
45	109-760	4.6	3.7	4.7	1.3
46	1A2-511	4.6	4.7	5.7	6.7
47	102-427	4.6	1.0	8.3	4.3
48	102-110	4.5	4.7	2.7	5.3
49	A00TB-108 (TX x KB hybrid)	4.5	3.7	6.3	7.7
50	PST-1304	4.5	5.3	3.7	4.7
51	1QG-36	4.5	4.0	5.5	5.0
52	1A2-517	4.5	3.0	4.5	3.0
53	1A2-888	4.5	2.7	6.5	4.0
54	Opti-Green	4.4	7.0	3.3	4.0
55	102-388	4.3	2.7	5.0	4.7
56	109-256 BS	4.3	3.3	5.0	4.7
57	102-542	4.3	4.0	3.7	4.3
58	109-155 BS	4.3	4.3	4.0	5.0
59	Y2K-186 BS	4.2	3.0	4.7	3.7
60	109-1060	4.2	3.0	4.0	5.0
61	102-349	4.2	3.3	3.7	3.3
62	1A2-551	4.2	6.3	4.0	4.3
63	102-384	4.2	2.0	6.7	5.7
64	102-390	4.2	2.3	4.3	4.0
65	102-26	4.2	3.7	3.0	4.0
66	Blacksburg II	4.2	4.0	4.7	5.0
67	109-210	4.2	3.0	6.0	4.3
68	102-23	4.1	3.0	3.7	4.7
69	102-158	3.9	4.3	3.3	5.0
70	109-1122	3.9	5.3	3.3	4.3

(Continued)

Table 10 (continued).

Cultivar or Selection		Turf Quality <sup>1</sup> 2004 Avg.	Establishment <sup>2</sup> Sept. 2003	Stem Rust <sup>3</sup> Oct. 2003	Spring Green-up <sup>4</sup> April 2004
71	1A2-501	3.9	1.7	4.3	4.7
72	1A1-338	3.9	1.7	6.3	4.3
73	102-354	3.9	3.7	3.7	3.0
74	102-1	3.8	2.7	5.0	3.7
75	102-371	3.8	3.0	2.0	1.7
76	102-1011	3.7	3.7	4.0	2.0
77	102-43	3.6	2.7	2.3	1.7
78	102-444	3.5	2.3	4.3	5.0
79	102-159	3.2	1.7	6.3	4.7
80	102-19	3.0	4.0	1.3	1.7
LSD at 5% =		1.1	1.5	1.8	1.3

<sup>1</sup>9 = best turf quality

<sup>2</sup>9 = best seedling establishment

<sup>3</sup>9 = least disease

<sup>4</sup>9 = earliest spring green-up

<sup>5</sup>Texas x Kentucky bluegrass hybrid

Table 11. Performance of Texas bluegrass cultivars and selections seeded in September 2003 at Adelphia, NJ.

	Cultivar or Selection	Turf Quality <sup>1</sup>	Establishment <sup>2</sup>	Stem Rust <sup>3</sup>	Spring Green-up <sup>4</sup>
		2004 Avg.	Sept. 2003	Oct. 2003	April 2004
1	Langara (Kentucky bluegrass <sup>5</sup> )	5.9	5.7	4.7	5.7
2	Midnight (Kentucky bluegrass)	5.7	7.3	1.7	4.0
3	A03-252	5.6	3.7	7.3	7.7
4	A03-258	5.5	2.7	6.7	6.3
5	SRX 2TK95	5.4	5.3	4.0	2.7
6	A99LM-15	5.2	5.3	3.3	6.3
7	Baron (Kentucky bluegrass)	5.2	7.7	2.7	4.7
8	A03-256	4.9	3.3	6.7	7.7
9	RSP (Kentucky bluegrass)	4.9	3.3	2.0	7.7
10	A02-949	4.9	2.7	8.0	6.7
11	A02-284	4.8	5.0	6.3	8.7
12	A03-243	4.8	2.3	8.3	8.0
13	Eagleton (Kentucky bluegrass)	4.8	4.7	3.7	4.3
14	PST C-74 (Kentucky bluegrass)	4.7	6.0	3.7	4.0
15	Brooklawn (Kentucky bluegrass)	4.6	7.3	1.7	5.0
16	A03-247	4.4	3.0	6.3	7.3
17	A99LM-18	4.2	2.7	4.0	4.7
18	A03-246	4.2	3.0	4.7	6.7
19	A02-947	4.1	2.3	6.7	6.0
20	A03-248	4.1	2.3	7.0	7.0
21	A03-254	3.6	4.7	4.3	1.0
22	A03-255	3.1	2.0	7.0	7.7
23	A02-972	2.8	2.0	6.0	7.7
	LSD at 5% =	0.5	0.9	1.5	1.6

<sup>1</sup>9 = best turf quality

<sup>2</sup>9 = best seedling establishment

<sup>3</sup>9 = least disease

<sup>4</sup>9 = earliest spring green-up

<sup>5</sup>Kentucky bluegrass standard

Table 12. Yearly nitrogen (N) applied and mowing height (Ht) on Kentucky bluegrass tests established at Adelphia and North Brunswick, NJ.

	2000		2001		2002		2003		2004	
	N <sup>1</sup>	Ht <sup>2</sup>	N	Ht	N	Ht	N	Ht	N	Ht
Table 1 (1999 North Brunswick) .....	3.4	1.5	3.6	3.0-1.5 <sup>3</sup>	2.2	1.5	2.0	1.5	1.2	1.5
Table 2 (1999 Adelphia) .....	3.8	1.5	3.5	1.5	3.8	1.5	3.0	1.5	1.5	1.5
Table 3 (2000 North Brunswick) .....			5.0	3.0-1.5	4.4	0.75	4.5	0.75	0.5	0.75
Table 4 (2000 Adelphia) .....			3.4	1.5	3.8	1.5	3.4	1.5	3.0	1.5
Table 5 (2001 North Brunswick) .....					2.2	1.5	2.0	1.5	2.0	1.5
Table 6 (2002 North Brunswick) .....							3.0	1.5	2.0	1.5
Table 7 (2002 Adelphia) .....							4.4	1.5	5.0	1.5
Table 8 (2003 North Brunswick) .....									2.2	1.5
Table 9 (2003 Adelphia) .....									3.4	1.5
Table 10 (2003 Adelphia) .....									3.0	1.5
Table 11 (2003 Adelphia) .....									2.4	1.5

<sup>1</sup> Annual N applied (lb/1000 ft<sup>2</sup>)

<sup>2</sup> Mowing height in inches

<sup>3</sup> Mowed at 3 inches until September then lowered to 1.5 inches