

# 2003 RUTGERS Turfgrass Proceedings



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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 2003 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. The aesthetic appeal of Kentucky bluegrass is due to its ability to develop dense turfs of pleasing color and clean mowing quality in a wide range of soils and climates. Its extensive rhizome system provides excellent sod strength and 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 north-eastern and north central United States, as well as 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). Dernoeden (1997), however, reported that after fairway heights were reduced below 0.75 inch, Kentucky bluegrass was less competitive against annual bluegrass invasion and more susceptible to summer patch disease. These liabilities, along with slow establishment rates, diminished the popularity of Kentucky bluegrasses for fairways, particularly as improved perennial ryegrasses (*Lolium perenne* L.) became available. The recent pandemics of gray leaf spot (*Pyricularia grisea*), which resulted 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. Kentucky bluegrasses are being tested throughout the United States for tolerance to traffic and low mowing heights to determine which cultivars can tolerate current golf course fairway conditions.

There are three main uses of Kentucky bluegrass: for forage, soil conservation, and specialized, me-

dium-high maintenance turf such as athletic fields, home lawns, or 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, however, suffer extensive turf loss from leaf spot and melting out disease (caused by *Drechslera poae* (Baudys)) under close mowing in humid environments. More 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 spot diseases than common type bluegrasses.

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 to turfgrass management are its 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

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drought stress, but also 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 inter-specific hybridization. Hybrids between Texas bluegrass (*Poa arachnifera* Torr.) x Kentucky bluegrass are being developed to try to incorporate valuable traits from Texas bluegrass into Kentucky bluegrass. Texas bluegrass, native to Texas and parts of Oklahoma, is a dioecious species that is more tolerant of heat and drought stress 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 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 through transition zone areas and into climates where improved heat and drought tolerance is necessary for acceptable performance.

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 Krygizstan have enhanced the diversity of germplasm incorporated into the Kentucky bluegrass breeding program. Additionally, 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. It is headquartered at the USDA (BARC) located in Beltsville, MD.

## PROCEDURES

Ten trials were seeded in August or September between 1998 and 2002 at the Rutgers Horticultural Research Farm II in North Brunswick or the Rutgers Plant Science Research and Extension Farm at Adelphia, NJ (Tables 1 and 3 to 11) and conducted under medium-high maintenance regimes. One low maintenance test was established at Pittstown in Sep-

tember 1998 (Table 2). The soils at the three research farms are moderately fertile and fairly well drained.

Entries in each test were sown by hand using a maximum of 15 g of seed per 3 X 5 ft plot (2.2 lbs/1000 ft<sup>2</sup>). An unplanted 6-inch border was left around each plot. The test established at North Brunswick in 2000 (Table 5) was sown with 24 g of seed per 4 x 6 ft plot (2.2 lbs/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 and dicamba. All trials, except the low maintenance trial at Pittstown (Table 2), 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 or Bensumec for annual bluegrass control (Table 6 and 11). 9, 10-anthraquinone (Flight Control) was also applied on some trials (Table 6 and 11) to reduce goose grazing during the winter months. The Kentucky bluegrass trial established in 2000 at North Brunswick received an application of thiophanate methyl (Cleary 3336) in September for summer patch control. In general, 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 disease and insect damage). Other characteristics were evaluated on some tests when differences among entries were apparent. These characteristics included spring green-up (Tables 4 to 6, 9, and 11), stripe smut disease (caused by *Ustilago striiformis*) (Tables 4 and 6), leaf spot disease (Tables 4, 6, 7, and 9 to 11), summer patch (caused by *Magnaporthe poae*) (Table 5), stem rust (caused by *Puccinia graminis*) (Table 11), genetic color (Tables 5 and 6), density (Table 5), leaf texture (Table 5), and estab-

ishment (Tables 10 and 11). 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 scored ratings 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 their overall (multi-year) quality average (Tables 1 to 9). Tables 10 and 11 are ranked by their turf quality average for 2003. Tables 5 and 6 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 5 and 6.

*Compact Type.* Cultivars within this group are characterized by a low, compact growth habit and possess very good to excellent resistance to leaf spot disease. Most cultivars form a highly attractive turf after green-up in late spring. Generally, 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. Some cultivars such as Ba 82-288 do, however, exhibit better winter performance. Entries in this group exhibited good resistance to stripe smut disease. Traffic tolerance (under a low mowing height of 0.75 inches) of this group is somewhat variable (Table 5). Cultivars such as Princeton P-105, Moonshadow, and Moonlight have exhibited very good performance under traffic in the turf trial maintained at 0.75 inches in North Brunswick, NJ. Performance during summer heat and drought stress is variable, with some cultivars producing very good turf quality. The cultivar Princeton P-105 has exhibited very good resistance to invasion by *Poa annua* at the 0.75-inch cutting height (Table 5).

*Compact-Midnight Type.* Within the Compact Type, a number of cultivars exhibit similar growth and performance characteristics to the cultivar Midnight. These cultivars typically have long winter dormancy with a purple and/or straw coloration during prolonged dormant periods. This group typically greens up late in the spring. These cultivars characteristically have a very dark green color with good turf quality and good heat tolerance. This group of cultivars has exhibited very good traffic tolerance when maintained under fairway conditions in North Brunswick, NJ. These cultivars exhibited good resistance to leaf spot and summer patch diseases but were susceptible to powdery mildew (caused by *Erysiphe graminis*) under low light intensities. Many of the cultivars in this type suffered severe stem rust at Adelphia, NJ in fall of 2002 in a turf trial seeded in September of that year (Table 11). This appears to be a new race of the fungus as these cultivars previously had good resistance.

*Compact-America Type.* Within the Compact Type, a number of cultivars exhibit similar growth and performance characteristics to the cultivar America. These cultivars have finer leaf texture and higher density than most other Compact Type cultivars. This type has moderate winter dormancy often exhibited by yellowing or bleaching of leaf tips. Some cultivars and selections such as Langara, A97-1432, and Be-dazzled have exhibited very good color retention during the winter months with little yellow discoloration. Moderate recovery from summer stress along with good resistance to leaf spot and most races of powdery mildew has been observed within this group. As a group, these cultivars did not perform well under traffic at a 0.75-inch mowing height, which is opposite of what might be expected by their low growth habit.

*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. Julia type cultivars have good resistance to leaf spot and stripe smut, but can be damaged by brown patch (caused by *Rhizoctonia solani*), summer patch, and dollar spot (caused by *Sclerotinia homoeocarpa*) diseases. Cultivars within this group have exhibited good performance under traffic when maintained at a 0.75-inch cutting height in North Brunswick, NJ. The cultivar Avalanche has performed very well under these conditions.

*Mid-Atlantic Ecotype.* This group of cultivars forms a vigorous turf of medium-high density with a deep, extensive root and rhizome system. In gen-

eral, this group has moderate susceptibility to leaf spot disease. The ability to recover from leaf spot damage and other stresses is excellent as a result of the deep, extensive rhizome system. These cultivars have good tolerance of summer stress and exhibit good recovery after summer stress. This group has moderate to good winter performance. Two entries in this group, namely Cabernet and PST-161, exhibited surprisingly good performance under traffic stress and low cutting heights (0.75 inches), especially during summer months.

*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. This type has the potential for high seed yield production, but unlike the BVMG type, most cultivars show good tolerance to stripe smut disease. There is evidence however, that Shamrock may be showing some susceptibility to a new race of the stripe smut fungus (Table 4). Summer stress tolerance is variable within this type.

*Aggressive (High Density) Type.* This group of cultivars is recognized for an aggressive, lateral growth habit and development of a turf with a high shoot density. An aggressive, dense growth may be advantageous to hasten the development of a mature sod. Performance of these cultivars under traffic at 0.75-inch cutting height, however, indicates that aggressive spread and high density at higher heights of cut (1.5 inches) do not predict tolerance to traffic under lower cutting heights. Only one of the five aggressive selections (Brunswick) had good traffic tolerance; the other four were poor (Table 5). Aggressive cultivars can dominate other species or cultivars when used in blends or mixtures. If aggressive cultivars dominate a stand, rapid expression of the cultivar's strengths and weaknesses would occur. The cultivars within this group seem to share only two common characteristics: vigorous, lateral spread and high shoot density. Other turf characteristics such as spring green-up, winter dormancy and color, disease susceptibility, and recovery from summer stress vary considerably among these cultivars.

*CELA Type (Challenger, Eclipse, Liberty, Adelphi Type).* Cultivars of this type exhibit early spring green-up similar to the Bellevue types, but tend to have less seed head formation under mowed turf conditions than cultivars within the Bellevue type. This group has moderate to good stripe smut, stem rust, and leaf spot resistance and generally good winter color.

*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 the excellent color retention and turf quality during the winter and early spring green-up. Cultivars within this type can have visible straw-colored reproductive stems in turf plots due to seed head formation in late spring. Bellevue type cultivars have moderate recuperative ability from summer stress. These cultivars have moderate resistance to leaf spot and stripe smut disease. This type is 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 disease. These 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 has poor to moderate resistance to leaf spot disease. All entries evaluated in long-term trials at Rutgers are susceptible to stripe smut disease, which results in a severe reduction in turf quality over time. This group of cultivars generally has poor winter color and longer winter dormancy than many other Kentucky bluegrasses. BVMG type cultivars can also suffer significant billbug damage. Recovery from summer stress ranged from poor to moderate. This group also exhibited poor performance under traffic stress and low cutting height (0.75 inches) in NJ.

*Common Type (formerly Midwest Ecotypes).* These cultivars and selections are frequently referred to as "common" Kentucky bluegrass, and are characterized by an erect growth habit and narrow leaf blades. Common type should not be confused with the seed label term "variety-not-stated" or VNS; unfortunately, the term "common" is often used to inaccurately describe VNS seed. Many of these cultivars were selections of naturalized ecotypes found in old pastures of the Midwestern United States. These cultivars 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 disease 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. These cultivars are best adapted to high

cutting heights in regions with cool nights, bright sun, and low humidity. Common type cultivars 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 inter-specific hybridization to improve Kentucky bluegrass. Female Texas bluegrass plants are crossed with Kentucky bluegrass plants to try to incorporate genes for heat and drought tolerance present in Texas bluegrass into Kentucky bluegrass while maintaining better turf quality. Progeny from these crosses are highly variable and may or may not exhibit improved summer stress performance. 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 permit 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 wear 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.

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Table 1. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1998 at Adelphia, NJ.

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					2003 Avg.
		1999- 2003 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	
1	A96-468	6.6	6.3	6.8	6.3	6.7	6.7
2	A94-677	6.4	5.8	7.0	6.6	6.5	6.2
3	Glenmont	6.3	5.9	6.4	6.6	6.0	6.4
4	SR 2109	6.2	5.7	6.4	6.7	5.9	6.3
5	Sonoma	6.2	6.7	6.1	6.2	6.1	5.8
6	H94-550	6.1	5.7	6.2	6.2	6.4	6.2
7	Boutique	6.1	5.8	6.1	7.0	6.3	5.5
8	A97-1409	6.1	7.1	6.5	6.2	5.7	5.1
9	AG-K981	6.1	6.3	5.3	6.1	6.6	6.1
10	H94-460	6.1	6.3	6.2	6.4	6.0	5.5
11	North Star	6.0	5.4	5.9	6.2	6.8	5.6
12	Moonlight	6.0	6.4	6.4	5.9	5.7	5.4
13	A81-2183	6.0	6.0	6.4	6.5	5.7	5.3
14	A95-1667	6.0	5.3	6.4	6.2	5.8	6.1
15	SR 2284	5.9	6.5	6.5	6.0	5.6	5.1
16	Moonshadow	5.9	6.1	6.2	6.5	5.9	4.9
17	H94-654	5.9	5.4	6.0	6.2	6.2	5.7
18	A98-2256	5.9	5.8	6.1	6.2	5.8	5.5
19	H92-203	5.8	5.7	6.3	5.9	6.0	5.3
20	AG K983	5.8	6.2	5.3	5.8	6.3	5.6
21	Showcase	5.8	6.0	5.8	6.0	6.0	5.4
22	H92-109	5.8	5.7	5.9	6.1	5.8	5.5
23	A97-1333	5.8	6.2	6.0	5.8	5.8	5.2
24	A96-763	5.8	5.2	5.7	6.2	6.2	5.8
25	Langara	5.8	6.6	6.6	5.4	5.8	4.6
26	A96-424	5.7	5.7	5.3	5.9	6.1	5.6
27	A97-1244	5.7	5.7	5.5	6.3	5.3	5.6
28	A96-714	5.7	5.7	5.9	5.6	5.6	5.7
29	A96-319	5.7	5.6	5.8	5.9	6.1	5.1
30	PST C-74	5.7	5.7	5.5	6.1	5.6	5.5
31	H94-288	5.7	5.9	6.0	6.0	5.4	5.1
32	A97-890	5.7	5.8	5.8	5.6	5.4	5.7
33	A97-1280	5.7	6.2	6.1	5.9	5.7	4.5
34	A97-1263	5.7	5.9	6.2	5.6	5.6	5.1
35	A96-298	5.6	5.7	5.9	6.2	5.5	4.9

(Continued)



Table 1 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					
		1999-2003 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.
36	A97-1276	5.6	6.0	5.7	5.6	5.5	5.3
37	A97-1271	5.6	5.9	6.3	5.8	5.5	4.6
38	Caliber	5.6	5.4	6.2	6.0	5.5	5.0
39	NuGlade	5.6	5.7	6.3	5.4	5.6	5.0
40	Midnight	5.6	5.3	5.7	5.9	5.8	5.4
41	York Harbor G4	5.6	6.2	5.1	5.6	6.0	5.1
42	A96-308	5.6	5.4	5.9	5.6	5.6	5.5
43	Lakeshore	5.6	5.6	5.9	5.6	5.4	5.5
44	A97-884	5.6	5.8	5.7	5.4	5.6	5.5
45	A95-1055	5.6	6.0	5.7	5.8	5.4	5.1
46	A97-888	5.6	5.5	5.8	5.8	5.3	5.5
47	A96-324	5.6	5.6	5.7	6.0	5.3	5.2
48	Brilliant	5.5	5.8	5.8	5.6	5.2	5.3
49	Rambo	5.5	5.4	5.5	5.8	5.6	5.4
50	A93-201	5.5	5.6	6.0	5.6	5.2	5.3
51	Impact	5.5	5.3	5.7	5.6	5.8	5.3
52	A90-287	5.5	5.3	5.5	5.5	5.8	5.4
53	H94-707	5.5	5.8	5.8	5.6	5.2	5.1
54	Rampart	5.5	5.4	5.6	5.7	5.2	5.5
55	A97-904	5.5	5.5	5.7	5.3	5.4	5.4
56	B3-203	5.4	5.5	5.8	5.2	5.7	5.1
57	A97-458	5.4	6.2	5.9	5.2	5.0	4.9
58	Avalanche	5.4	5.5	5.9	5.3	4.7	5.7
59	Monte Carlo	5.4	5.7	5.5	5.4	5.1	5.4
60	Award	5.4	5.7	5.6	5.5	5.6	4.7
61	Rita	5.4	6.2	5.9	5.3	5.1	4.5
62	Julia	5.4	5.2	5.2	5.8	5.3	5.6
63	A96-715	5.4	5.5	5.5	5.2	5.4	5.4
64	A96-270	5.4	6.2	5.7	5.2	5.3	4.5
65	Princeton P-105	5.4	5.9	5.9	5.5	5.4	4.3
66	A97-1579	5.4	6.0	5.8	5.4	5.0	4.8
67	Jefferson	5.4	5.6	6.0	5.5	4.9	4.9
68	Blackstone	5.4	5.5	5.5	5.6	5.3	5.0
69	Liberator	5.3	5.4	5.9	5.6	5.3	4.4
70	H92-558	5.3	5.4	5.4	5.2	5.1	5.3

(Continued)

Table 1 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					2003 Avg.
		1999-2003 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	
71	Indigo	5.3	5.3	5.4	5.7	5.6	4.4
72	Brooklawn	5.3	5.2	5.4	5.3	5.0	5.3
73	Brunswick	5.3	4.9	5.1	6.1	5.1	5.0
74	Blacksburg	5.3	4.4	5.4	5.5	5.4	5.5
75	A97-1294	5.3	5.3	5.6	5.2	5.2	4.9
76	Wildwood	5.2	5.6	4.9	4.9	5.2	5.6
77	Bordeaux	5.2	5.9	5.1	5.1	5.2	4.9
78	Mercury	5.2	5.2	5.3	5.4	5.2	4.9
79	A97-1343	5.2	5.9	5.6	5.0	4.7	4.8
80	A96-416	5.2	5.9	5.1	4.9	5.1	4.9
81	A97-955	5.2	5.1	5.3	5.0	5.4	5.1
82	Julius	5.2	4.0	5.0	5.7	5.6	5.5
83	Shamrock	5.2	5.5	5.2	5.3	5.2	4.7
84	Pick-453	5.1	5.0	5.2	5.1	5.4	5.1
85	Alpine	5.1	4.9	5.1	5.4	5.6	4.7
86	A97-474	5.1	5.5	5.2	5.2	5.3	4.6
87	A96-407	5.1	4.8	5.2	5.3	5.0	5.5
88	A96-348	5.1	5.3	5.1	5.2	5.4	4.4
89	H94-235	5.1	5.9	5.2	4.9	4.8	4.5
90	Unique	5.0	4.6	5.1	5.3	5.1	5.1
91	Suffolk	5.0	5.6	5.5	4.9	4.9	4.3
92	A90-1117	5.0	5.1	5.3	4.8	5.3	4.6
93	Ram I	5.0	5.1	4.3	5.4	5.2	5.0
94	H94-221	5.0	5.6	5.8	4.7	4.5	4.4
95	A95-405	5.0	5.2	5.1	5.0	4.9	4.7
96	A96-451	5.0	4.9	5.3	4.9	4.6	5.2
97	Rugby II	5.0	5.1	5.5	5.0	4.8	4.4
98	Cobalt	5.0	5.6	5.2	5.0	4.8	4.2
99	Cabernet	5.0	5.0	4.8	5.1	5.2	4.6
100	NuStar	4.9	4.6	5.0	5.1	5.2	4.8
101	Glade	4.9	4.9	5.2	5.3	4.6	4.7
102	Aspen	4.9	5.2	4.9	5.0	5.3	4.2
103	A96-739	4.9	5.1	5.2	4.9	4.9	4.4
104	Chicago	4.9	5.0	5.1	5.0	4.9	4.6
105	America	4.9	5.0	5.1	5.3	4.6	4.3

(Continued)

Table 1 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					2003 Avg.
		1999-2003 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	
106	A97-1272	4.9	5.7	5.1	4.3	4.7	4.7
107	Explorer	4.9	4.9	5.2	5.1	5.0	4.2
108	Blue Moon	4.9	4.8	5.3	5.2	5.0	4.0
109	A96-351	4.8	5.1	5.5	5.0	4.5	4.1
110	Optigreen	4.8	5.2	4.3	4.7	5.1	4.6
111	SCR-320	4.8	5.0	4.7	4.5	5.2	4.4
112	Serene	4.7	5.0	4.5	4.8	5.1	4.3
113	Dellwood	4.7	4.9	4.5	4.9	4.7	4.7
114	Touchdown	4.7	4.7	4.7	5.0	4.8	4.5
115	Cheri	4.7	4.7	4.8	5.4	4.9	3.8
116	Samoa	4.7	4.9	5.1	4.3	4.7	4.5
117	A97-895	4.7	5.0	5.1	4.5	4.5	4.5
118	IBM4	4.7	5.7	4.8	4.4	4.7	3.9
119	A82-562	4.7	5.7	4.6	4.2	4.8	4.1
120	PST-697	4.7	5.4	4.9	4.5	4.6	3.9
121	A98-2039	4.6	5.2	5.1	4.5	4.4	4.0
122	A97-1297	4.6	5.3	4.6	4.4	4.6	4.3
123	A96-729	4.6	5.6	4.6	4.2	4.6	4.0
124	Eclipse	4.6	4.8	4.8	4.4	4.7	4.2
125	NuBlue	4.6	4.8	4.7	4.3	5.2	4.0
126	Rugby	4.6	5.3	4.7	4.3	4.4	4.1
127	Eagleton	4.6	4.1	4.8	5.1	5.0	3.9
128	Dragon	4.5	5.0	5.3	4.3	4.7	3.5
129	A96-386	4.5	4.4	5.5	4.5	4.4	3.8
130	JDSB-93	4.5	5.4	4.9	4.3	4.4	3.5
131	Pp8	4.4	5.2	4.4	4.9	4.2	3.4
132	SCR-282	4.4	4.8	4.6	4.0	4.7	3.8
133	A91-703	4.4	4.7	4.1	4.5	4.5	4.1
134	Liberty	4.3	5.0	4.7	4.4	4.2	3.4
135	Clovis	4.3	3.5	4.8	5.0	4.6	3.7
136	JC91L2	4.3	4.9	4.6	4.2	4.5	3.3
137	CVB 19863	4.3	4.4	4.6	4.6	4.2	3.8
138	CAS-NA	4.2	3.9	4.6	3.9	4.6	4.2
139	94AN-8	4.2	3.8	4.2	4.5	4.2	4.3
140	Kelly	4.2	4.8	4.9	5.1	3.4	2.7

(Continued)

Table 1 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					2003 Avg.
		1999-2003 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	
141	97-SCEC-196	4.2	4.8	3.9	4.2	4.2	3.6
142	Freedom	4.2	3.7	4.2	3.8	4.9	4.1
143	Nassau	4.1	3.9	4.1	4.4	4.1	3.9
144	Classic	4.0	4.2	4.0	4.1	3.8	3.8
145	Cesar	4.0	4.6	5.1	4.7	3.1	2.4
146	97-SCEC- 219	4.0	4.5	5.1	5.0	3.0	2.3
147	AG-K984	4.0	4.1	4.1	4.1	3.9	3.6
148	Huntsville	3.9	4.4	3.6	4.2	4.1	3.3
149	Muddy PK	3.9	3.9	3.6	4.4	3.8	3.9
150	Miracle	3.9	3.7	4.3	4.1	4.0	3.5
151	Crest	3.9	4.2	4.6	4.3	3.6	2.6
152	Sidekick	3.9	3.6	3.8	3.9	4.1	3.9
153	Sonic	3.8	3.7	3.4	4.2	3.9	3.8
154	CPA-421	3.8	4.0	3.6	4.7	3.5	3.2
155	97-CNC-254	3.8	4.5	4.0	4.3	2.6	3.6
156	AG K982	3.8	4.4	3.9	3.6	3.7	3.3
157	Baron	3.8	4.3	4.5	4.6	3.1	2.3
158	Blue Chip	3.6	4.3	4.3	4.0	2.9	2.3
159	Reveille (TB x KB hybrid <sup>2</sup> )	3.6	2.5	3.3	3.8	4.1	4.1
160	95AN-26	3.5	3.4	3.2	3.5	3.9	3.5
161	S-21	3.4	3.7	3.3	3.9	3.2	2.8
162	AG K987	3.4	3.9	2.9	3.6	3.5	3.0
163	95AN-24	3.4	3.6	2.8	3.4	3.6	3.5
164	AG K985	3.0	3.6	3.3	3.0	2.9	2.0
165	AG K986	2.7	4.3	3.2	3.0	1.4	1.8
	LSD at 5% =	0.6	0.9	0.8	0.8	0.9	0.8

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

Table 2. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1998 at Pittstown, NJ. (Low Maintenance Kentucky Bluegrass Test - Pittstown.)

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					
	1999-2003 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.
1 Moonlight	5.9	6.4	7.7	5.3	3.6	6.3
2 Boutique	5.6	6.0	6.2	5.1	4.7	6.3
3 Langara	5.6	5.7	6.4	5.4	5.0	5.4
4 A95-1064	5.5	6.2	6.3	5.1	4.3	5.8
5 Blackstone	5.4	6.1	6.1	5.2	4.0	5.5
6 A96-407	5.3	5.8	6.2	5.1	4.1	5.5
7 Moonshadow	5.3	6.0	5.5	4.7	4.6	5.6
8 Liberator	5.3	6.0	6.6	4.6	4.1	5.0
9 Cabernet	5.2	5.3	5.4	5.1	4.9	5.3
10 A96-386	5.1	5.7	5.8	4.9	4.1	5.2
11 Wildwood	5.1	5.6	5.4	4.6	4.7	5.4
12 A96-715	5.1	6.1	6.4	5.1	3.3	4.8
13 A96-763	5.1	5.5	5.1	4.7	4.5	5.8
14 A96-415	5.1	5.9	5.6	4.8	4.4	4.9
15 Blacksburg	5.0	5.1	6.1	5.4	4.0	4.3
16 A96-766	5.0	5.2	5.6	4.5	4.2	5.4
17 A96-739	4.9	5.1	5.5	5.2	3.9	4.9
18 H92-558	4.9	5.3	5.6	4.7	4.1	4.9
19 A96-360	4.9	5.2	5.4	4.6	4.3	5.2
20 A96-481	4.9	5.2	5.2	4.7	4.1	5.3
21 A95-418	4.9	5.6	6.1	4.3	3.6	4.7
22 Indigo	4.8	5.2	5.2	4.2	5.0	4.7
23 A96-451	4.8	5.5	5.4	4.6	3.4	5.2
24 Mercury	4.8	5.6	5.2	4.9	4.0	4.4
25 Monte Carlo	4.8	5.8	5.6	4.7	3.1	4.9
26 A95-410	4.8	5.7	5.1	4.3	4.1	4.8
27 A96-361	4.8	5.2	5.8	4.8	3.8	4.5
28 A93-201	4.8	5.5	5.1	4.5	4.1	4.8
29 Bordeaux	4.8	5.6	5.3	4.4	4.0	4.6
30 A91-703	4.8	4.8	5.3	4.9	4.2	4.7
31 A97-307	4.8	5.1	5.1	5.0	4.0	4.8
32 Midnight	4.8	5.9	6.7	4.1	2.9	4.3
33 H94-707	4.8	5.7	5.4	4.0	3.9	4.8
34 A96-418	4.7	5.0	5.2	4.3	3.9	5.3
35 A96-351	4.7	5.3	5.5	4.2	4.3	4.2

(Continued)

Table 2 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					
		1999-2003 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.
36	Princeton P-105	4.7	5.6	5.5	3.7	3.8	5.0
37	A96-423	4.7	5.6	5.6	4.2	3.2	4.8
38	A96-348	4.7	5.2	5.1	4.4	4.0	4.8
39	Alpine	4.7	5.2	5.3	4.6	4.3	3.9
40	A96-416	4.6	5.3	5.0	4.2	3.9	4.6
41	A96-408	4.6	5.3	5.9	4.6	2.9	4.2
42	A96-424	4.6	5.2	4.9	4.0	3.7	5.0
43	Dellwood	4.6	4.5	4.2	4.5	5.0	4.6
44	Rampart	4.5	5.3	5.8	4.1	3.7	3.8
45	Shamrock	4.5	5.0	4.8	4.1	4.5	4.3
46	SCEC-204	4.5	4.5	5.0	4.5	4.4	4.0
47	Dragon	4.5	5.2	4.4	4.6	3.9	4.2
48	Lakeshore	4.4	4.9	4.6	4.1	3.8	4.5
49	Unique	4.4	5.4	4.9	3.9	3.5	4.4
50	Liberty	4.3	4.4	3.8	4.1	4.5	4.7
51	SROKBG 6	4.3	4.9	4.7	4.0	4.0	3.9
52	SCEC-196	4.3	5.0	4.3	4.3	3.5	4.3
53	Touchdown	4.2	4.8	4.7	4.4	3.4	3.9
54	Explorer	4.2	5.2	5.1	3.3	3.5	4.0
55	SCR-320	4.2	5.1	4.4	3.8	3.4	4.2
56	SCEL-219	4.2	4.8	4.6	4.0	3.3	4.1
57	SROKBG 8	4.2	5.0	4.2	3.7	4.0	3.9
58	Sonic	4.1	4.7	4.4	4.3	3.8	3.5
59	CNC-254	4.1	5.0	4.2	3.6	3.7	4.2
60	SCR-282	4.1	4.5	3.9	3.6	3.8	4.6
61	America	4.0	4.7	4.1	3.7	3.7	3.9
62	Sidekick	4.0	3.9	3.9	3.8	3.5	4.9
63	CAS-NA	3.9	3.6	4.5	3.9	3.6	4.0
64	Samoa	3.8	4.9	4.4	3.5	2.9	3.5
65	94AN-8	3.7	3.5	3.7	3.7	3.6	4.2
66	Pp 8	3.7	4.4	3.5	3.9	3.2	3.5
67	Reveille (TB x KB hybrid <sup>2</sup> )	3.7	2.8	4.2	4.0	3.6	3.9
68	95AN-24	3.7	3.4	3.8	3.8	3.2	4.3
69	SCEC-183	3.5	4.4	3.6	3.8	2.7	3.1
70	SCEC-194	3.5	3.9	2.7	3.8	3.4	3.9

(Continued)

Table 2 (continued).

		-----Turf Quality <sup>1</sup> -----					
Cultivar or Selection		1999-2003 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.
71	SCEC-157	3.4	3.9	3.2	3.9	3.1	2.9
72	SROKBG 7	3.1	2.4	1.9	3.7	3.4	4.1
73	Tekapo (Orchardgrass)	1.5	2.1	1.5	1.7	1.2	1.0
LSD at 5% =		0.6	0.5	0.9	0.9	1.0	1.1

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

<sup>2</sup>Texas x Kentucky bluegrass hybrid

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

(Continued)



Table 3 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				
		2000-2003 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.
36	SRX 2394	4.9	5.1	4.9	5.0	4.7
37	Pick-453	4.9	5.6	5.1	4.6	4.4
38	A97-1466	4.9	5.1	4.9	4.7	5.0
39	Sonoma	4.9	5.1	4.7	4.7	5.0
40	A97-458	4.9	5.4	5.1	4.5	4.5
41	Arrow	4.9	5.5	4.9	4.2	5.1
42	A97-1330	4.9	5.3	4.6	4.6	5.2
43	Mercury	4.8	5.3	4.8	5.2	4.1
44	A97-890	4.8	4.2	5.3	4.9	4.8
45	A97-1263	4.8	6.0	3.6	4.1	5.3
46	A96-340	4.8	5.1	5.3	4.2	4.4
47	Mallard	4.8	5.8	4.6	4.2	4.4
48	A97-1327	4.7	5.6	3.9	4.3	5.1
49	A96-270	4.7	5.2	5.5	3.9	4.3
50	A96-739	4.7	4.8	5.1	4.4	4.5
51	Total Eclipse	4.7	5.3	3.9	4.7	4.8
52	Princeton P-105	4.7	6.4	4.3	4.1	4.0
53	A96-409	4.7	5.8	4.2	4.4	4.3
54	Suffolk	4.7	4.8	4.2	4.5	5.2
55	A96-494	4.6	5.3	4.1	4.1	4.9
56	A97-1510	4.5	4.5	4.0	4.6	5.0
57	A97-287	4.5	5.9	4.2	3.9	4.2
58	A97-1333	4.5	5.0	4.2	4.2	4.9
59	A97-493	4.5	4.7	4.6	4.5	4.4
60	A95-1043	4.5	4.2	4.6	4.5	4.6
61	A96-707	4.5	5.4	4.3	3.9	4.3
62	Boutique	4.5	5.0	4.8	3.9	4.2
63	A97-1766	4.5	4.1	4.1	4.5	5.2
64	A96-451	4.5	5.8	4.6	3.7	3.7
65	A97-1613	4.4	4.7	4.5	4.1	4.4
66	A97-1446	4.4	5.2	4.8	4.2	3.6
67	A97-945	4.4	4.6	4.4	4.2	4.5
68	Limousine	4.4	4.4	4.3	4.5	4.6
69	A97-1271	4.4	5.1	4.8	4.0	3.8
70	A97-1409	4.4	6.6	4.4	3.6	2.9

(Continued)

Table 3 (continued).

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

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

Table 4. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in August 1999 at Adelphia, NJ.

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					Spring Green-up <sup>2</sup> April 2003	Stripe Smut <sup>3</sup> May 2003	Leaf Spot <sup>3</sup> May 2003
		2000-2003 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.			
1	Bedazzled	6.4	6.1	6.6	6.2	6.5	5.3	8.3	7.3
2	Royale	6.3	6.4	6.6	6.2	6.0	5.0	8.3	6.7
3	Diva	6.2	6.3	6.5	6.2	6.0	4.3	7.7	5.0
4	A96-298	6.2	6.2	5.9	6.5	6.0	3.7	8.7	5.3
5	A97-1432	6.1	6.2	6.5	5.9	5.8	5.0	8.0	6.0
6	A97-1757	6.1	6.4	6.9	5.9	5.2	5.3	7.3	4.0
7	Boutique	6.1	6.4	6.8	5.5	5.5	4.3	8.3	6.7
8	Bar Pp 0573	6.1	6.5	6.3	6.0	5.5	3.3	8.7	6.3
9	A97-1409	6.1	6.7	7.1	5.3	5.2	4.0	8.7	7.0
10	A96-494	6.0	6.4	6.2	5.4	6.0	4.0	8.7	7.3
11	Absolute	6.0	6.1	5.6	6.0	6.2	3.7	8.3	5.3
12	Award	6.0	6.4	5.5	6.3	5.7	2.3	8.7	5.3
13	A97-284	6.0	5.7	6.2	6.1	5.8	2.7	9.0	6.7
14	Glenmont	5.9	5.5	6.3	6.1	5.8	5.3	7.7	7.0
15	Nuglade	5.9	6.3	5.8	5.8	5.8	2.7	8.0	5.7
16	A97-1263	5.9	6.0	6.0	6.0	5.5	4.7	7.7	5.0
17	A97-1271	5.9	5.9	6.5	5.6	5.4	3.3	9.0	6.3
18	A97-1510	5.9	5.3	6.0	5.9	6.2	5.7	8.3	6.7
19	Moonlight	5.9	6.4	6.4	5.6	5.1	3.3	9.0	7.0
20	Impact	5.8	6.4	5.6	5.7	5.6	3.0	8.3	5.3
21	A97-1304	5.8	5.9	5.9	5.6	5.9	5.0	8.3	6.0
22	H94-550	5.8	6.1	6.2	5.7	5.2	4.0	7.7	3.7
23	Bar Pp 0468	5.8	6.2	6.0	5.8	5.2	5.3	6.7	5.3
24	A96-324	5.8	6.1	6.0	5.6	5.5	4.7	7.3	5.7
25	A97-1362	5.8	6.2	6.2	5.1	5.6	4.7	9.0	7.3
26	A97-1436	5.8	5.8	5.9	5.6	5.8	4.7	8.7	7.3
27	Bar Pp 0471	5.8	6.1	6.1	5.6	5.4	4.7	7.7	6.0
28	Rambo	5.8	6.0	5.3	5.8	6.0	3.3	8.3	5.7
29	Sonoma	5.8	6.4	5.8	5.6	5.3	4.7	6.3	5.7
30	K 981/983	5.7	5.8	5.4	5.9	5.8	3.3	8.7	7.0
31	A97-1330	5.7	5.7	6.0	5.8	5.4	5.7	9.0	5.3
32	Princeton P-105	5.7	5.8	5.6	5.9	5.5	2.7	8.3	4.7
33	A97-1446	5.7	6.1	5.8	5.3	5.6	3.3	7.7	7.7
34	A96-427	5.7	6.0	6.1	5.3	5.3	5.0	8.3	6.0
35	A97-1327	5.7	6.1	5.9	5.6	5.1	4.3	7.0	5.0

(Continued)

Table 4 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					Spring Green-up <sup>2</sup> April 2003	Stripe Smut <sup>3</sup> May 2003	Leaf Spot <sup>3</sup> May 2003
		2000-2003 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.			
36	Bluemoon	5.7	6.2	4.9	5.7	5.8	3.0	8.7	6.0
37	SR 2284	5.7	5.6	6.0	5.3	5.8	5.7	8.3	6.0
38	Champlain	5.7	6.0	6.0	5.4	5.3	5.0	7.3	5.7
39	Arrow	5.7	5.7	5.6	5.4	5.9	5.0	8.3	6.0
40	A95-1936	5.7	5.9	6.1	5.5	5.2	5.0	6.7	3.0
41	Langara	5.6	6.1	5.9	5.4	5.2	4.7	7.7	4.7
42	A96-270	5.6	5.8	6.0	5.3	5.4	2.3	8.7	6.0
43	A97-287	5.6	5.8	5.5	5.4	5.6	2.7	7.7	5.3
44	A96-409	5.6	5.7	5.8	5.5	5.4	5.3	7.3	6.3
45	A97-1333	5.6	6.0	6.2	5.6	4.7	4.3	7.0	5.0
46	Rugby II	5.6	5.9	5.3	5.7	5.5	3.0	8.7	5.7
47	A97-1523	5.6	6.0	5.6	5.4	5.3	3.0	8.7	7.3
48	A96-451	5.6	6.0	6.0	5.1	5.2	4.0	9.0	7.0
49	Barcelona	5.6	5.2	5.3	6.1	5.7	4.0	8.0	6.7
50	SR 2394	5.6	5.4	5.5	5.9	5.5	4.0	8.0	7.0
51	A96-1353	5.6	5.8	6.1	5.0	5.3	5.0	8.7	6.0
52	H94-288	5.5	6.2	5.9	5.1	5.0	4.0	8.0	5.3
53	A97-1566	5.5	5.5	5.9	5.4	5.3	5.0	8.3	7.0
54	A97-1655	5.5	5.9	5.6	5.2	5.2	3.7	8.0	5.3
55	America	5.5	5.4	5.5	5.4	5.6	5.0	8.3	4.7
56	Rampart	5.5	5.6	5.6	5.3	5.5	3.7	8.3	6.3
57	Moonshadow	5.5	5.6	5.6	5.6	5.1	3.7	7.7	3.3
58	A96-707	5.5	6.4	5.2	4.9	5.3	4.0	7.0	6.3
59	A97-1337	5.5	5.6	5.9	5.3	5.0	5.3	8.3	5.7
60	A96-479	5.5	6.1	5.7	5.1	4.9	4.0	8.7	6.7
61	A97-1465	5.4	5.9	5.7	4.7	5.3	5.0	7.0	5.7
62	Yvette	5.4	5.3	5.7	5.3	5.3	4.7	8.0	4.0
63	95AN-10	5.4	5.2	5.9	5.2	5.3	6.0	7.3	4.3
64	Avalanche	5.4	5.4	6.0	5.2	4.9	5.3	7.3	5.0
65	A97-890	5.4	5.5	5.6	5.3	5.1	7.0	7.7	5.3
66	H92-558	5.4	5.2	5.7	4.9	5.6	4.0	8.7	6.7
67	HV 238	5.4	5.0	5.8	5.4	5.3	4.0	7.7	6.0
68	Pp 8388	5.4	5.5	5.8	5.1	5.1	6.3	8.0	4.7
69	Pick-453	5.4	5.3	5.5	5.1	5.5	4.0	9.0	6.3
70	PST C-74	5.4	5.6	5.5	5.3	5.0	5.0	7.7	4.7

(Continued)

Table 4 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					Spring Green-up <sup>2</sup> April 2003	Stripe Smut <sup>3</sup> May 2003	Leaf Spot <sup>3</sup> May 2003
		2000-2003 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.			
71	A95-1055	5.3	5.7	5.6	5.2	4.9	4.7	7.0	5.3
72	Midnight	5.3	5.8	5.0	5.4	5.2	3.3	9.0	5.3
73	A97-1613	5.3	5.7	6.0	4.8	4.7	5.0	6.0	3.7
74	Brooklawn	5.3	5.1	5.7	5.2	5.2	5.3	7.7	4.7
75	Mallard	5.3	5.5	5.5	5.1	5.1	4.0	9.0	7.0
76	Total Eclipse	5.3	5.5	5.2	5.6	4.9	4.3	6.0	4.7
77	Lakeshore	5.3	5.5	5.6	5.2	4.9	5.3	7.7	4.3
78	H92-577	5.3	5.2	5.2	4.9	5.9	5.0	9.0	5.7
79	A97-1766	5.3	5.4	5.6	5.1	5.0	5.0	7.7	4.3
80	Wildwood	5.3	5.0	5.6	5.2	5.3	3.3	8.7	5.7
81	A97-945	5.3	5.3	5.5	5.3	5.0	7.0	7.7	4.7
82	A97-493	5.3	5.6	5.5	5.1	4.8	5.7	6.3	3.7
83	Blacksburg	5.3	5.1	5.6	5.4	4.9	3.0	7.7	4.3
84	Festina	5.2	4.8	5.5	5.5	5.1	6.0	6.7	5.0
85	A97-1292	5.2	5.6	5.3	4.9	5.1	5.0	7.3	6.0
86	Bartitia	5.2	5.0	5.1	5.4	5.4	4.3	7.3	5.3
87	A97-1466	5.2	5.5	5.6	5.1	4.8	6.7	7.0	5.3
88	A97-1433	5.2	5.4	5.5	5.0	4.9	6.3	7.3	5.3
89	Nustar	5.2	5.2	5.2	5.2	5.2	4.7	7.7	4.7
90	A96-1322	5.2	4.6	5.5	5.3	5.4	4.0	7.7	5.0
91	Pp H 7875	5.2	5.2	5.0	5.3	5.2	5.7	5.7	4.7
92	Indigo	5.2	5.4	5.4	5.0	4.8	5.3	8.0	4.7
93	Serene	5.2	5.4	5.4	5.1	4.8	4.0	7.3	4.0
94	Virginia	5.2	5.2	5.6	4.9	5.0	6.7	7.7	4.3
95	A97-2086	5.1	5.9	5.0	4.7	4.9	3.3	8.7	6.3
96	Brunswick	5.1	4.8	5.6	5.2	4.8	5.3	6.3	3.3
97	Bordeaux	5.1	5.9	4.9	4.8	4.8	4.3	8.3	5.7
98	A97-1343	5.1	5.3	5.3	4.8	5.0	3.3	6.7	5.0
99	A97-1244	5.1	5.3	5.4	4.7	5.0	3.3	5.3	5.3
100	Monte Carlo	5.1	5.4	5.3	4.8	4.8	4.0	9.0	7.0
101	Limousine	5.1	5.1	4.7	5.2	5.3	6.3	7.3	4.0
102	Cabernet	5.0	5.4	4.9	5.0	4.9	5.3	6.7	4.7
103	Shamrock	5.0	5.0	5.5	4.8	4.8	5.7	7.3	5.0
104	Pp H 6351	5.0	5.6	5.0	4.9	4.4	6.0	7.0	4.0
105	HV 230	4.9	4.9	5.2	5.0	4.7	5.3	7.0	6.0

(Continued)

Table 4 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					Spring Green-up <sup>2</sup> April 2003	Stripe Smut <sup>3</sup> May 2003	Leaf Spot <sup>3</sup> May 2003
		2000-2003 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.			
106	Leonie	4.9	5.1	5.1	4.6	4.9	5.7	7.7	4.7
107	Baronie	4.9	5.1	4.9	5.0	4.6	6.0	6.3	5.0
108	A95-1043	4.9	5.3	5.1	4.4	4.8	5.3	7.7	6.7
109	Pp H 7832	4.9	4.7	4.7	5.1	5.0	6.0	6.0	4.3
110	Champagne	4.9	4.7	5.1	4.9	4.9	5.7	8.7	5.7
111	A96-739	4.9	4.8	5.1	4.7	4.9	4.3	8.7	6.0
112	Blue Ridge	4.9	5.3	5.3	4.4	4.5	3.3	8.7	6.0
113	Suffolk	4.9	5.4	4.7	5.1	4.3	6.7	6.7	3.7
114	Explorer	4.9	5.7	4.8	4.5	4.5	3.3	7.3	5.3
115	SCR-282	4.9	5.5	4.9	4.6	4.4	5.3	7.3	4.3
116	Mercury	4.9	5.5	4.9	4.5	4.5	4.7	7.7	5.0
117	Julius	4.8	4.3	4.9	5.1	4.9	6.3	7.0	4.7
118	Pp H 7925	4.8	4.6	4.8	4.9	4.9	4.3	6.0	5.0
119	SCR-320	4.8	5.4	4.7	4.7	4.5	5.3	7.7	4.0
120	A97-1492	4.8	5.1	4.9	4.3	4.7	5.3	7.7	5.3
121	A96-1201	4.7	5.7	4.6	4.1	4.3	5.0	7.3	3.7
122	Touchdown	4.7	4.7	4.6	4.7	4.7	5.3	8.3	5.3
123	Nubblue	4.7	5.4	4.4	4.7	4.2	5.7	6.0	4.3
124	Eagleton	4.7	4.9	5.1	4.5	4.1	4.3	5.7	2.7
125	Sabine	4.7	4.0	5.0	5.0	4.7	5.7	6.7	4.0
126	Pp 8	4.7	4.8	4.9	4.8	4.1	4.3	5.7	4.3
127	JC 91 L2	4.6	5.2	4.3	4.3	4.5	5.0	5.3	5.7
128	Pp H 6370	4.6	5.0	4.6	4.5	4.2	3.3	5.3	3.0
129	A97-1294	4.5	4.8	4.7	4.3	4.3	4.7	8.0	4.7
130	Nassau	4.5	4.9	4.6	4.4	4.2	6.0	6.0	4.0
131	Clovis	4.5	4.4	4.4	4.6	4.6	5.3	6.0	4.0
132	Pp H 7929	4.5	4.2	4.2	4.6	4.8	6.0	6.7	4.7
133	Pp H 7759	4.4	4.4	4.4	4.3	4.5	5.7	7.0	6.0
134	CPA-421	4.4	4.2	4.8	4.5	4.0	3.3	3.3	3.3
135	Pp H 7982	4.4	4.6	5.0	4.6	3.3	4.0	3.0	2.7
136	Barzan	4.3	4.5	4.6	4.7	3.5	2.0	5.0	3.0
137	Bluechip	4.3	4.8	5.3	4.1	3.1	3.0	1.7	2.7
138	Baron	4.3	4.9	5.2	4.2	2.9	2.7	1.0	1.7
139	SCEC-183	4.3	4.7	3.8	4.1	4.6	4.3	5.3	4.0
140	Pp H 7921	4.3	4.2	4.0	4.5	4.4	5.3	7.0	4.3

(Continued)

Table 4 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					Spring Green-up <sup>2</sup> April 2003	Stripe Smut <sup>3</sup> May 2003	Leaf Spot <sup>3</sup> May 2003
		2000- 2003 Avg.	2000 Avg.	2001 Avg.	2002 Avg.	2003 Avg.			
141	K 984	4.3	4.0	4.5	4.3	4.3	5.0	7.3	4.3
142	Pp H 7904	4.2	4.0	4.0	4.3	4.4	5.3	4.3	4.3
143	Boomerang	4.2	3.7	4.0	4.3	4.7	4.7	6.0	4.3
144	Voyager	4.1	4.7	4.3	3.8	3.7	6.7	7.7	2.3
145	K 994	4.1	4.4	4.2	4.0	3.8	5.3	4.7	3.0
146	Pp H 7907	4.1	4.2	3.7	4.4	4.0	4.7	6.3	4.3
147	94AN-8	4.0	4.2	4.0	4.1	3.6	4.7	5.3	4.0
148	Pp H 7777	3.9	4.4	3.7	3.8	3.9	4.0	6.7	5.0
149	Pp H 6819	3.9	4.5	4.0	3.8	3.5	1.7	4.7	1.7
150	Georgetown	3.9	5.0	4.3	3.4	2.7	5.7	6.3	4.0
151	Pp H 7776	3.8	3.9	4.2	4.1	3.0	3.7	1.0	2.3
152	95AN-24	3.8	3.7	3.7	3.9	3.8	5.7	5.0	3.7
153	95AN-1	3.8	3.6	3.8	3.7	3.9	4.7	6.7	3.7
154	K 993	3.7	4.1	3.2	3.7	4.0	4.7	5.3	2.7
155	RSP	3.7	4.5	4.2	3.0	3.2	5.0	6.3	1.7
156	Barblue	3.7	5.1	3.5	3.2	2.8	6.7	3.7	2.7
157	Huntsville	3.6	3.9	3.6	3.4	3.7	5.3	4.7	3.0
158	K 992	3.5	3.7	3.5	3.6	3.3	3.7	2.7	2.7
159	SCEC-194	3.5	3.7	4.3	2.8	3.1	8.0	6.3	4.3
160	K 985	3.5	3.6	3.5	2.9	3.8	4.3	4.0	3.7
161	P 226	3.4	3.4	3.6	3.2	3.3	5.7	6.7	3.0
162	P 236	3.3	2.0	3.2	3.7	4.3	4.3	6.7	5.0
163	P 243	3.2	2.9	3.2	3.4	3.5	5.3	5.7	3.7
164	P 242	3.2	2.7	2.8	3.3	3.8	5.7	6.0	3.3
165	P 247	2.9	3.2	2.9	2.6	2.9	4.0	3.7	2.7
LSD at 5% =		0.5	0.8	0.7	0.7	0.8	1.6	2.0	1.5

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

Table 5. 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	2001-2003 Avg.		Turf Quality <sup>1</sup>		Worn Turf Quality <sup>1</sup> 2003 Avg.	Spring Green -up <sup>2</sup> April 2003 Avg.	Winter Color <sup>3</sup> Jan. 2002	Poa annua <sup>4</sup> May 2002	Summer Patch <sup>5</sup> Sept. 2003	Color <sup>6</sup> Oct. 2003	Density <sup>7</sup> 2003 Avg.	Leaf Texture <sup>8</sup> Oct. 2003	Cover (%) 2003
	2001 Avg.	2002 Avg.	2001 Avg.	2002 Avg.									
1 Princeton P-105	6.4	7.2	6.2	7.2	6.5	2.3	4.7	7.3	5.0	6.0	7.0	6.7	94.3
2 Blackstone	6.2	6.2	6.2	6.2	3.4	4.3	6.0	5.7	3.0	7.3	6.3	5.3	86.7
3 Moonlight	5.8	5.7	4.6	5.7	5.0	4.3	5.0	6.0	5.0	6.7	5.0	4.3	30.0
4 Moonshadow	5.4	5.6	4.9	5.6	5.0	4.0	5.3	5.3	4.0	5.7	5.3	6.3	43.3
5 Alpine	5.2	5.6	4.2	5.6	2.7	2.7	5.7	5.7	2.3	5.7	6.3	7.0	68.3
6 Chicago II	5.0	5.2	4.3	5.2	4.5	3.3	6.0	4.7	5.0	8.0	6.3	5.3	65.0
7 A97-1715	5.0	4.8	4.5	4.8	4.2	5.3	4.0	4.7	4.0	6.7	4.7	6.0	48.3
8 A94MH-94	4.9	5.1	4.2	5.1	3.8	3.7	5.7	5.0	1.7	6.0	6.0	5.0	76.7
9 PST-B5-125	4.9	5.2	4.3	5.2	3.3	2.0	5.7	5.3	5.0	7.3	5.3	6.3	71.7
10 Diva	4.9	4.8	4.4	4.8	3.9	3.7	4.0	5.7	4.7	4.3	5.0	7.0	40.0
11 Wildwood	4.7	4.8	3.6	4.8	2.5	2.3	5.7	5.7	4.7	6.7	4.7	6.0	60.0
12 IB7-308	4.3	4.0	3.0	4.0	4.4	2.7	4.7	4.0	5.3	7.0	4.7	4.3	25.0
13 Goldstar	4.0	3.7	2.7	3.7	3.7	4.3	5.0	3.0	3.7	5.3	5.0	6.0	16.7
14 Ba82-288	4.0	3.9	2.6	3.9	2.2	3.3	6.3	4.7	4.0	6.0	5.0	5.0	15.0
15 PST-B4-246	3.9	4.0	2.7	4.0	2.5	1.7	4.7	4.7	3.3	7.0	5.0	6.0	38.3
<b>COMPACT TYPE</b>													
1 NuDestiny	6.6	6.3	6.6	6.3	6.2	3.0	6.3	5.0	8.3	6.3	7.0	7.0	96.0
2 Award	6.5	6.4	6.1	6.4	6.4	2.3	5.3	5.7	7.3	6.7	6.0	7.3	90.0
3 Tsunami	6.4	6.2	6.1	6.2	6.0	2.7	6.0	5.0	7.0	7.0	7.0	7.0	94.3
4 Impact	6.3	6.2	5.9	6.2	5.9	3.0	6.7	4.7	7.0	6.7	6.0	6.3	83.3
5 Midnight II	6.2	6.1	6.1	6.1	6.1	2.7	6.3	6.0	7.0	6.0	6.3	7.0	83.3
<b>COMPACT-MIDNIGHT TYPE</b>													

(Continued)



Table 5 (continued).

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----		Worn Turf Quality <sup>1</sup> 2003 Avg.	Spring Green -up <sup>2</sup> April 2003	Winter Color <sup>3</sup> Jan. 2002	Poa annua <sup>4</sup> May 2002	Summer Patch <sup>5</sup> Sept. 2003	Color <sup>6</sup> Oct. 2003	Density <sup>7</sup> 2003 Avg.	Leaf Texture <sup>8</sup> Oct. 2003	Cover (%) 2003
	2001 Avg.	2002 Avg.									
6 Barrister	6.1	6.0	6.2	3.7	5.7	5.3	8.0	7.0	5.7	6.7	91.7
7 Unknown	6.1	6.2	5.3	2.7	6.7	5.3	7.3	6.0	6.0	7.0	78.3
8 Midnight	6.1	5.9	5.1	4.0	6.3	4.7	8.0	6.0	5.7	6.3	81.7
9 Perfection	6.0	5.8	6.1	2.3	6.0	5.0	7.7	7.0	6.0	6.3	86.7
10 Arcadia	6.0	6.0	5.2	3.0	6.0	5.3	7.3	6.0	6.0	6.0	86.7
11 J-1838	6.0	6.0	5.9	2.7	5.7	5.3	7.3	7.0	5.7	7.0	91.7
12 Liberator	6.0	5.7	5.9	2.7	6.0	4.3	7.7	6.0	6.0	7.0	88.3
13 Awesome	5.9	5.7	6.2	2.0	6.0	5.3	6.3	6.7	6.0	7.3	78.3
14 Odyssey	5.9	5.8	6.1	3.3	5.0	5.0	7.7	5.7	5.7	7.0	71.7
15 Total Eclipse	5.9	5.7	6.0	3.3	6.3	5.3	6.7	6.3	5.7	6.3	75.0
16 J-1513	5.9	5.9	5.2	3.0	6.0	4.7	6.7	6.3	5.7	7.0	83.3
17 Ginney	5.8	5.7	6.4	3.0	6.0	5.0	6.3	7.0	6.3	7.0	80.0
18 Beyond	5.8	5.6	6.1	3.0	6.3	5.7	6.0	7.0	5.7	7.0	63.3
19 Rugby II	5.8	5.7	5.1	2.7	5.7	5.0	7.0	7.0	6.3	7.3	80.0
20 NuGlade	5.7	5.8	4.7	2.7	5.7	5.0	7.3	6.3	6.3	7.0	83.3
21 Bluestone	5.7	5.2	5.4	3.7	6.7	4.7	7.7	6.0	5.3	6.3	90.0
22 Excursion	5.4	5.3	5.5	2.3	6.7	4.7	6.7	6.7	5.3	6.0	80.0
23 J-2890	5.4	5.2	4.9	2.3	6.0	4.0	5.0	6.7	5.7	7.0	63.3
24 Rhythm	5.3	5.2	4.5	4.7	6.7	4.7	5.3	6.7	6.0	6.3	66.7
25 J-2885	5.2	5.4	5.5	4.0	6.7	5.0	7.7	7.0	6.3	6.3	78.3

**COMPACT-MIDNIGHT TYPE (cont.)**

(Continued)

Table 5 (continued).

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----		Worn Turf Quality <sup>1</sup> 2003 Avg.	Spring Green -up <sup>2</sup> April 2003 Avg.	Winter Color <sup>3</sup> Jan. 2002	Poa annua <sup>4</sup> May 2002	Summer Patch <sup>5</sup> Sept. 2003	Color <sup>6</sup> Oct. 2003	Density <sup>7</sup> 2003 Avg.	Leaf Texture <sup>8</sup> Oct. 2003	Cover (%) 2003
	2001 Avg.	2002 Avg.									
26 Quantum Leap	5.2	4.9	5.2	3.0	6.7	4.7	6.3	6.3	5.7	7.0	78.3
27 J-2561	5.1	4.8	4.8	3.3	5.7	4.3	5.3	6.0	5.3	6.7	61.7
28 Everglade	5.0	4.7	4.8	4.3	5.7	4.0	6.7	6.3	5.7	6.7	75.0
30 Everest	4.6	4.5	4.4	2.0	6.0	4.3	5.0	7.0	4.7	6.7	53.3
31 Freedom II	4.3	4.3	3.9	2.7	6.0	4.3	4.0	6.3	4.7	6.7	36.7
<b>COMPACT-MIDNIGHT TYPE (cont.)</b>											
<b>COMPACT-AMERICA TYPE</b>											
1 Langara	5.7	6.2	4.5	3.3	6.3	6.0	2.7	6.3	6.0	7.7	63.3
2 Bedazzled	5.5	5.8	3.9	5.3	6.0	5.7	7.0	6.0	6.0	5.3	36.7
3 SR 2394	5.1	5.3	4.2	2.3	4.7	5.3	4.7	6.0	5.3	6.7	41.7
4 SR 2284	4.8	4.9	4.1	4.3	5.7	6.3	5.3	5.3	6.3	7.0	56.7
5 Bar Pp 0468	4.8	5.0	3.7	4.0	4.0	4.3	4.3	3.0	5.7	6.7	40.0
6 Bordeaux	4.8	4.5	3.2	4.0	4.3	5.0	4.0	5.7	5.0	6.7	25.0
7 PST-B3-170	4.7	4.9	2.9	2.7	5.7	4.7	4.3	7.3	6.0	6.3	66.7
8 Royale	4.6	4.7	2.7	3.0	5.0	4.3	1.7	6.0	5.0	6.0	5.3
9 Arrow	4.6	4.4	3.2	3.7	7.0	5.0	5.7	5.7	5.7	5.3	46.7
10 Brilliant	4.5	4.5	4.4	4.0	4.3	4.3	4.3	3.3	5.7	7.0	48.3
11 Boutique	4.4	4.4	2.5	4.0	6.0	5.3	3.7	5.7	5.7	6.0	13.3
12 Mallard	4.4	4.3	2.7	3.3	6.7	5.0	3.0	5.7	5.7	6.3	23.3
13 Unique	4.3	4.2	4.1	3.3	3.0	4.3	5.0	4.0	5.3	7.0	31.7
14 A97-1330	4.3	4.5	3.9	4.3	3.7	5.0	4.3	3.7	5.3	7.3	18.3
15 A97-1432	4.2	4.5	3.3	3.7	6.3	4.7	3.3	5.7	5.0	5.3	10.0

(Continued)

Table 5 (continued).

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----		Worn Turf Quality <sup>1</sup> 2003 Avg.	Spring Green -up <sup>2</sup> April 2003 Avg.	Winter Color <sup>3</sup> Jan. 2002	Poa annua <sup>4</sup> May 2002	Summer Patch <sup>5</sup> Sept. 2003	Color <sup>6</sup> Oct. 2003	Density <sup>7</sup> 2003 Avg.	Leaf Texture <sup>8</sup> Oct. 2003	Cover (%) 2003
	2001 Avg.	2002 Avg.									
16 Glenmont	4.2	4.4	2.5	3.7	5.0	4.7	2.7	3.7	4.7	5.0	11.7
17 Bar Pp 0471	4.2	4.4	2.9	3.7	4.0	4.3	4.3	3.7	5.7	6.0	30.0
18 Showcase	4.2	4.2	3.2	4.3	4.0	4.0	5.0	3.7	5.3	6.0	25.0
19 Apollo	4.1	4.4	2.3	2.7	4.0	4.7	1.3	3.7	5.0	6.3	18.3
20 Sonoma	4.1	4.2	2.8	3.7	5.3	4.3	2.3	5.3	4.3	4.7	15.0
21 PST-H6-150	3.9	3.9	3.0	2.7	3.7	3.7	5.0	5.7	5.3	5.3	36.7
22 PST-222	3.6	3.7	2.2	3.3	5.3	4.7	2.3	6.3	4.7	4.0	16.7
23 Bar Pp 0573	3.6	3.4	2.5	4.3	5.7	3.7	3.3	4.7	4.7	5.3	23.3
24 Bar Pp 0566	3.4	3.3	2.1	5.3	6.0	3.3	3.3	6.3	4.3	5.0	15.0
25 PST-604	3.1	2.9	1.8	4.3	5.0	3.0	3.0	4.3	4.0	4.0	5.3
<b>JULIA TYPE</b>											
1 Avalanche	6.3	6.5	6.5	7.3	4.7	6.3	3.0	5.7	6.0	7.3	88.3
2 Julia	4.2	4.3	3.1	4.7	6.3	5.0	3.3	6.0	4.7	5.7	53.3
3 Pick 453	4.2	4.2	3.2	2.3	5.0	4.3	5.0	6.7	6.0	4.0	33.3
4 H92-558	4.1	4.3	2.7	3.3	5.3	4.0	4.7	6.7	4.3	3.7	33.3
5 Rampart	4.0	4.2	2.9	4.0	5.3	5.0	3.7	6.7	4.7	4.3	30.0
<b>MID-ATLANTIC TYPE</b>											
1 Eagleton	5.7	5.4	5.7	6.7	5.7	6.7	6.0	3.7	6.3	5.0	89.3
2 PST-161	5.4	5.3	5.1	7.0	5.7	6.3	7.0	5.0	6.0	5.0	60.0
3 Cabernet	4.9	4.7	4.0	7.3	5.3	5.7	4.7	4.0	5.3	6.0	36.7

(Continued)

Table 5 (continued).

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Worn Turf Quality <sup>1</sup> 2003 Avg.	Spring Green -up <sup>2</sup> April 2003 Avg.	Winter Color <sup>3</sup> Jan. 2002	Poa annua <sup>4</sup> May 2002	Summer Patch <sup>5</sup> Sept. 2003	Color <sup>6</sup> Oct. 2003	Density <sup>7</sup> 2003 Avg.	Leaf Texture <sup>8</sup> Oct. 2003	Cover (%) 2003
	2001 Avg.	2002 Avg.	2003 Avg.									
1 Brooklawn	5.3	5.7	4.9	4.8	8.3	6.3	6.7	2.7	5.7	5.3	5.3	58.3
2 Champlain	5.2	5.3	4.7	4.5	2.3	5.3	5.7	5.0	6.3	6.7	7.0	78.3
3 Shamrock	5.1	5.9	4.7	4.0	6.3	6.7	5.3	4.0	6.0	5.3	5.7	43.3
4 PST-1804	5.0	5.4	4.8	4.4	6.3	5.3	5.3	4.0	4.7	5.7	5.7	61.7
5 A98-1028	4.7	5.5	4.0	4.5	5.7	5.7	4.7	2.7	5.3	5.0	6.0	25.0
6 Lakeshore	4.7	5.4	4.2	3.7	6.3	6.0	5.3	5.0	5.3	5.3	6.7	38.3
7 Champagne	4.6	4.7	4.7	3.3	7.0	6.3	4.3	6.0	5.0	5.0	6.0	53.3
8 A98-881	4.5	5.5	3.3	3.9	4.7	6.0	5.3	3.3	6.3	5.3	7.0	23.3
9 A98-1001	4.1	5.0	3.1	3.3	5.3	6.0	4.3	3.0	5.3	5.7	4.7	16.7
10 A96-427	3.8	5.5	2.2	2.4	5.0	5.7	4.3	1.7	5.0	4.3	4.0	10.0
<b>SHAMROCK TYPE</b>												
1 Brunswick	6.6	5.4	7.1	6.4	7.3	6.3	7.0	4.0	2.3	7.7	7.0	93.3
2 Limousine	4.4	4.7	3.7	4.6	4.7	5.3	6.0	2.7	4.7	5.7	5.7	45.0
3 North Star	4.4	5.2	2.8	1.3	1.0	5.7	6.0	2.0	7.0	6.0	7.0	58.3
4 Julius	4.2	4.8	2.9	2.4	3.0	5.3	6.3	1.0	4.0	6.0	5.7	31.7
5 HV 140	3.8	5.9	2.0	3.1	2.7	6.7	4.3	1.7	5.0	4.3	5.7	11.7
<b>AGGRESSIVE (HIGH DENSITY) TYPE</b>												
<b>CELA TYPE</b>												
1 Jefferson	5.6	5.2	6.2	5.5	7.0	7.0	6.0	5.0	5.3	6.0	7.0	90.0

(Continued)

Table 5 (continued).

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----		Worn Turf Quality <sup>1</sup> 2003 Avg.	Spring Green -up <sup>2</sup> April 2003 Avg.	Winter Color <sup>3</sup> Jan. 2002	Poa annua <sup>4</sup> May 2002	Summer Patch <sup>5</sup> Sept. 2003	Color <sup>6</sup> Oct. 2003	Density <sup>7</sup> 2003 Avg.	Leaf Texture <sup>8</sup> Oct. 2003	Cover (%) 2003
	2001 Avg.	2002 Avg.									
1 Raven	4.1	3.8	2.9	2.0	3.3	6.3	7.3	5.7	5.7	3.7	36.7
2 Abbey	4.0	3.9	2.5	2.3	3.7	5.3	5.0	5.3	5.3	4.3	25.0
3 Envicta	3.9	3.9	2.5	2.3	4.7	5.7	4.3	5.3	5.3	3.3	45.0
4 Marquis	3.9	4.1	2.7	1.7	3.0	6.3	3.3	4.7	5.7	4.3	25.0
5 Baron	3.6	3.3	2.0	2.7	4.3	5.0	2.7	5.0	5.0	3.3	15.0
6 Goldrush	3.5	3.3	1.7	2.0	3.3	5.0	2.3	4.7	4.7	5.0	18.3
<b>BVMG TYPE</b>											
1 Kenblue	3.2	2.3	2.8	8.0	4.3	6.0	6.3	3.0	6.3	7.7	40.0
2 GO-9LM9	2.7	2.2	1.7	7.3	5.0	5.3	4.0	3.3	5.0	6.7	13.3
<b>COMMON TYPE</b>											
<b>TEXAS X KENTUCKY BLUEGRASS HYBRID</b>											
1 BHOO-6002	4.1	3.5	3.7	5.0	3.3	6.7	6.7	5.3	4.7	4.7	65.0
2 BHOO-6003	2.5	2.2	1.6	2.0	5.3	2.3	3.0	4.7	4.3	4.0	3.7
<b>OTHER TYPE</b>											
1 A95-1930	6.2	6.8	6.1	7.0	4.3	7.0	2.0	5.7	5.3	7.0	81.7
2 Serene	6.0	6.1	5.9	6.3	6.7	7.3	4.3	5.3	6.3	4.3	79.3
3 A98-1358	5.1	5.1	4.8	7.7	6.0	6.3	5.0	5.0	6.0	5.7	53.3
4 HV 238	5.1	5.3	4.2	3.0	5.7	6.0	4.3	6.7	5.3	5.3	60.0
5 PpH 7832	5.0	5.4	4.3	4.0	5.7	6.3	3.7	7.7	6.0	5.0	71.7

(Continued)

Table 5 (continued).

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----		Worn Turf Quality <sup>1</sup> 2003 Avg.	Spring Green -up <sup>2</sup> April 2003	Winter Color <sup>3</sup> Jan. 2002	Poa annua <sup>4</sup> May 2002	Summer Patch <sup>5</sup> Sept. 2003	Color <sup>6</sup> Oct. 2003	Density <sup>7</sup> 2003 Avg.	Leaf Texture <sup>8</sup> Oct. 2003	Cover (%) 2003
	2001 Avg.	2002 Avg.									
6 A98-3368	5.0	5.4	4.1	3.0	5.0	6.7	4.7	5.7	5.7	7.0	83.3
7 Hallmark	5.0	4.9	3.7	2.3	5.0	5.7	3.7	7.3	5.3	7.0	53.3
8 B4-128A	4.9	5.1	4.4	5.0	6.3	5.3	2.3	4.7	7.3	8.0	58.3
9 Yvette	4.9	5.3	4.4	3.3	4.3	6.7	2.3	4.7	6.3	6.7	81.7
10 Coventry	4.9	5.0	4.4	5.7	5.3	7.0	3.3	4.7	5.7	4.0	60.0
11 Fairfax	4.9	5.0	4.3	5.7	6.0	7.0	5.3	4.3	6.3	4.7	66.7
12 Royce	4.8	4.7	3.7	3.0	4.0	5.0	3.7	3.7	6.0	6.3	43.3
13 Rambo	4.8	4.6	4.4	3.7	6.0	3.3	6.3	5.3	5.7	6.7	51.7
14 PpH6370	4.8	4.7	4.8	4.0	6.0	6.0	6.0	5.7	6.7	7.0	75.0
15 Allure	4.7	5.2	3.9	5.7	6.3	7.0	4.7	5.3	5.7	4.0	40.0
16 Rita	4.7	4.5	3.7	3.7	7.0	4.7	4.3	5.7	4.3	4.7	18.3
17 SRX 2114	4.7	4.7	3.6	2.0	5.3	5.7	4.0	7.7	5.0	5.0	55.0
18 Misty	4.6	5.0	3.6	2.7	7.3	7.0	4.3	4.3	5.0	3.3	56.7
19 Casablanca	4.6	4.7	3.4	3.7	5.3	5.3	4.0	4.0	5.3	6.3	25.0
20 Ba 84-140	4.5	4.7	3.4	2.7	3.3	4.3	4.7	8.7	6.7	5.0	33.3
21 Bariris	4.5	4.4	3.8	6.0	5.7	4.7	5.3	5.0	5.7	6.3	63.3
22 A96-1201	4.5	5.1	3.0	5.0	5.3	4.3	3.0	5.0	5.7	8.7	38.3
23 B5-144	4.4	4.8	3.9	5.0	6.0	7.0	3.7	5.0	6.0	4.3	71.7
24 Lilly	4.4	5.7	3.6	3.0	7.0	6.7	4.7	4.3	6.0	4.3	65.0
25 Monte Carlo	4.4	4.0	3.2	4.0	5.3	4.7	4.7	5.3	4.7	3.7	16.7

**OTHER TYPE (cont.)**

(Continued)

Table 5 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup> -----			Worn Turf Quality <sup>1</sup> 2003 Avg.	Spring Green -up <sup>2</sup> April 2003	Winter Color <sup>3</sup> Jan. 2002	Poa annua <sup>4</sup> May 2002	Summer Patch <sup>5</sup> Sept. 2003	Color <sup>6</sup> Oct. 2003	Density <sup>7</sup> 2003 Avg.	Leaf Texture <sup>8</sup> Oct. 2003	Cover (%) 2003
	2001 Avg.	2002 Avg.	2003 Avg.									
26 Bartita	4.4	4.4	3.5	2.9	3.0	6.0	5.3	5.0	4.7	5.3	5.0	43.3
27 Limerick	4.3	4.2	3.5	4.0	3.0	4.0	5.0	3.3	4.0	5.7	5.3	40.0
28 Voyager II	4.3	4.3	3.0	4.2	3.0	3.7	4.3	5.7	4.0	5.7	6.3	33.3
29 PST-1Q8-79	4.3	4.5	3.7	3.6	4.3	7.0	4.7	5.3	5.7	6.0	7.0	55.0
30 Chateau	4.3	4.3	3.8	3.6	4.7	5.3	6.0	7.0	4.7	6.0	4.0	58.3
31 Baronette	4.3	4.3	3.1	3.2	3.3	6.7	4.3	4.7	6.0	5.0	5.0	13.3
32 A97-1328	4.2	4.7	2.7	4.2	3.0	3.3	5.0	3.3	3.3	5.7	6.3	23.3
33 PST-H5-35	4.2	4.4	3.2	2.9	3.3	6.7	4.7	2.3	4.7	4.7	5.0	20.0
34 Bluemax	4.2	4.2	2.8	3.9	3.7	5.0	4.3	4.7	6.7	4.3	4.3	13.3
35 Blue Knight	4.2	4.6	2.5	2.2	1.0	6.0	5.3	1.0	7.3	5.3	5.3	41.7
36 Barzan	4.2	4.4	3.3	1.5	1.0	7.0	6.3	1.0	4.3	4.3	4.3	33.3
37 A96-739	4.2	3.9	2.9	3.6	4.3	4.7	4.7	4.3	6.0	5.7	5.7	28.3
38 B3-185	4.1	4.3	2.7	3.3	4.0	3.7	4.3	3.7	3.0	5.0	6.7	16.7
39 B5-43	4.1	4.5	3.2	3.9	5.0	5.3	5.7	5.3	4.7	6.0	3.7	36.7
40 B5-45	4.1	3.9	3.0	3.6	3.7	5.3	5.3	3.0	4.3	6.0	4.3	26.7
41 H92-203	4.0	3.9	2.9	4.4	3.3	4.0	4.0	3.7	3.7	5.7	5.7	23.3
42 A96-386	4.0	4.1	2.6	2.4	3.0	5.3	4.3	4.3	5.7	5.7	5.3	20.0
43 SRX 26351	4.0	4.0	2.1	1.6	2.3	6.7	4.7	3.0	6.3	4.3	6.3	28.3
44 DLF-76-9036	3.9	3.9	2.4	2.2	2.0	4.0	6.0	3.7	5.0	5.3	4.0	31.7
45 Baronie	3.9	4.1	3.2	3.8	5.3	7.0	5.0	5.7	3.7	5.3	5.7	36.7

**OTHER TYPE (cont.)**

(Continued)

Table 5 (continued).

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----		Worn Turf Quality <sup>1</sup> 2003 Avg.	Spring Green -up <sup>2</sup> April 2003	Winter Color <sup>3</sup> Jan. 2002	Poa annua <sup>4</sup> May 2002	Summer Patch <sup>5</sup> Sept. 2003	Color <sup>6</sup> Oct. 2003	Density <sup>7</sup> 2003 Avg.	Leaf Texture <sup>8</sup> Oct. 2003	Cover (%) 2003
	2001 Avg.	2002 Avg.									
46 DLF-76-9032	3.9	4.1	2.8	2.3	3.3	3.7	6.3	4.3	4.7	6.0	38.3
47 DLF-76-9037	3.8	3.9	2.2	4.0	3.7	4.3	3.0	3.3	5.0	5.7	15.0
48 A97-1409	3.8	3.8	2.1	3.0	5.7	4.0	2.0	5.7	4.0	4.7	15.0
49 Washington	3.8	3.4	3.7	8.0	4.7	5.7	5.0	4.7	5.0	6.3	53.3
50 Chelsea	3.8	3.6	3.3	3.3	5.3	4.7	4.3	4.7	6.3	7.3	30.0
51 Baritone	3.8	3.9	3.1	5.3	6.7	4.3	4.7	6.0	5.0	5.3	45.0
52 A97-857	3.8	3.9	2.5	5.3	6.3	3.7	2.3	4.3	5.0	6.3	25.0
53 York Harbor 4	3.8	3.6	2.5	2.0	6.0	5.0	5.0	7.0	5.0	4.0	15.0
54 A96-451	3.8	4.0	2.4	3.3	5.7	5.0	4.3	5.7	4.3	4.0	15.0
55 Blue Ridge	3.7	3.6	2.4	2.7	6.0	4.7	4.0	6.3	5.7	4.3	16.7
56 BA83-113	3.7	3.7	2.8	5.0	7.0	4.3	5.3	7.0	4.3	5.0	21.7
57 BAOO-6001	3.7	3.4	2.3	3.3	5.0	3.3	3.0	5.0	4.7	5.3	5.7
58 Blacksburg II	3.6	3.5	2.3	3.3	5.3	4.0	4.0	7.0	4.3	4.3	10.0
59 A98-365	3.6	3.4	2.4	4.0	4.3	3.7	5.3	5.0	5.0	5.7	11.7
60 A96-746	3.5	3.4	2.8	7.3	4.7	4.0	5.7	1.7	5.3	6.7	31.7
61 Blue Sapphire	3.5	3.5	2.0	3.0	5.3	4.0	3.0	6.7	4.0	4.3	18.3
62 Ascot	3.5	3.8	1.7	3.3	6.0	3.7	4.0	6.0	4.3	5.0	15.0
63 Mercury	3.4	2.9	1.6	3.3	5.0	4.0	2.0	5.3	3.7	3.7	2.3
64 SRX 27921	3.4	3.3	1.6	1.7	4.7	4.7	2.3	5.3	3.7	6.0	10.0
65 99AN-53	3.3	3.1	2.8	3.3	4.7	4.3	3.3	6.0	5.0	4.7	28.3

**OTHER TYPE (cont.)**

(Continued)



Table 5 (continued).

Cultivar or Selection	2001-2003 Avg.		Turf Quality <sup>1</sup> -----		Worn Turf Quality <sup>1</sup> 2003 Avg.	Spring Green -up <sup>2</sup> April 2003	Winter Color <sup>3</sup> Jan. 2002	Poa annua <sup>4</sup> May 2002	Summer Patch <sup>5</sup> Sept. 2003	Color <sup>6</sup> Oct. 2003	Density <sup>7</sup> 2003 Avg.	Leaf Texture <sup>8</sup> Oct. 2003	Cover (%) 2003
	2003 Avg.	2001 Avg.	2002 Avg.	2003 Avg.									
66 PpH 7907	3.3	4.6	3.3	2.0	2.0	2.0	4.3	4.7	2.7	6.3	4.7	4.3	15.0
67 Jewel	3.1	4.2	2.8	2.4	2.2	5.0	3.7	3.3	5.0	5.0	5.0	5.0	33.3
68 A98-407	3.1	3.9	3.2	2.3	3.1	4.0	4.7	3.3	5.0	6.3	4.3	4.3	20.0
69 PpH 7929	3.1	3.7	3.2	2.5	2.4	3.0	5.7	3.0	2.7	5.3	4.3	4.7	25.0
70 A98-183	3.1	5.1	2.8	1.6	2.0	3.7	4.3	2.3	3.7	5.3	4.3	5.0	8.3
71 Boomerang	3.1	4.5	2.9	1.9	2.0	2.0	4.3	3.3	3.3	6.7	5.3	4.7	15.0
72 SRX QG-245	3.0	4.6	2.7	1.7	1.5	5.0	4.3	5.3	1.3	6.7	4.0	4.0	10.0
73 CVB-20631	2.9	3.5	3.2	2.0	2.0	2.3	6.0	2.7	2.0	4.3	4.7	6.0	11.7
74 Wellington	2.9	4.2	2.9	1.6	2.3	7.0	5.7	5.0	5.0	4.7	4.0	4.7	13.3
75 A98-139	2.9	4.6	2.5	1.6	3.1	6.7	5.3	3.7	3.0	5.7	4.3	3.7	10.0
76 Bodacious	2.7	3.9	2.6	1.5	2.1	2.7	4.7	3.0	2.7	4.3	4.7	4.7	8.3
77 DLF-76-9034	2.6	3.5	2.3	2.0	2.7	6.0	3.0	3.7	5.3	2.3	4.3	4.0	8.3
78 NA-K992	2.4	3.5	2.2	1.3	2.2	3.0	3.0	3.7	2.3	6.7	4.3	4.3	5.3
LSD at 5% =	0.7	0.7	0.8	1.2	1.2	1.7	1.2	1.2	2.4	1.2	1.2	1.4	24.8

<sup>1</sup>9 = best turf quality  
<sup>2</sup>9 = earliest spring green-up  
<sup>3</sup>9 = best winter color  
<sup>4</sup>9 = least Poa annua invasion  
<sup>5</sup>9 = least disease  
<sup>6</sup>9 = darkest green color  
<sup>7</sup>9 = most dense  
<sup>8</sup>9 = finest leaf texture

Table 6. Performance of Kentucky bluegrass cultivars and selections in a turf trial established 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> -----			Stripe Smut <sup>2</sup> May 2003	Leaf Spot <sup>2</sup> May 2003	Spring Green-up <sup>3</sup> April 2002	Spring Green-up April 2003	Seed Head <sup>4</sup> May 2001	Stemness <sup>4</sup> May 2002	Color <sup>5</sup> Oct. 2003	Height <sup>6</sup> Oct. 2000
	2001-2003 Avg.	2001 Avg.	2002 Avg.								
1 SRX 2109	6.2	6.1	6.5	9.0	6.7	5.7	4.0	5.0	8.3	6.7	7.0
2 A96-299	6.1	6.1	6.2	9.0	5.7	3.0	2.7	5.7	8.3	6.3	7.0
3 Indigo	6.1	6.6	6.2	8.7	5.7	5.3	4.3	6.7	7.3	7.3	7.0
4 Alpine	5.9	5.8	6.0	8.7	6.0	3.3	3.7	5.0	7.7	5.3	5.3
5 Moonshadow	5.9	6.0	5.9	9.0	5.7	4.7	3.7	5.0	8.7	6.7	7.7
6 A94MH-94	5.9	5.5	6.0	9.0	5.7	4.0	3.3	5.0	8.3	5.7	5.3
7 Blackstone	5.9	6.4	5.5	9.0	6.7	5.3	4.3	7.3	8.3	6.7	5.7
8 Diva	5.8	5.9	5.6	8.7	6.0	6.7	3.3	3.7	6.0	5.0	6.3
9 Moonlight	5.8	6.0	5.9	9.0	8.7	5.3	2.3	5.3	8.3	7.3	7.3
10 Princeton P-105	5.8	6.0	5.8	9.0	6.7	4.0	2.7	6.7	9.0	6.7	6.0
11 Broadway	5.8	5.2	6.0	8.7	5.7	3.7	2.7	3.7	7.0	6.0	8.0
12 A97-1715	5.7	5.6	5.8	9.0	4.7	5.7	5.7	5.0	7.3	7.3	7.0
13 Blacksburg	5.6	5.4	5.4	9.0	7.7	5.3	2.7	5.0	7.7	7.0	8.0
14 PST-B5-125	5.6	5.9	5.0	8.0	8.0	4.3	3.3	5.3	8.7	7.0	5.7
15 IB7-308	5.6	5.4	5.5	9.0	8.3	3.3	2.7	5.7	8.3	8.0	7.7
16 Ba 82-288	5.5	5.8	5.5	9.0	7.0	6.0	4.3	5.0	6.7	6.3	5.0
17 Wildwood	5.4	5.9	5.2	9.0	7.0	4.0	3.3	5.7	8.3	7.3	4.7
18 IB7-231	5.2	5.8	4.6	9.0	7.3	3.7	3.0	5.0	8.7	7.0	5.3
19 Chicago II	5.1	4.9	5.3	9.0	7.3	6.3	2.3	5.7	8.7	7.0	7.3
20 Gold Star	5.0	5.7	4.4	9.0	5.3	5.3	3.3	5.0	3.7	7.0	4.3
21 PST-B4-246	4.9	5.2	4.5	8.7	7.7	4.0	3.0	5.0	7.0	6.7	6.0

**COMPACT TYPE**

(Continued)

Table 6 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>			Stripe Smut <sup>2</sup> May 2003	Leaf Spot <sup>2</sup> May 2003	Spring Green-up <sup>3</sup> April 2002	Spring Green-up April 2003	Seed Head <sup>4</sup> May 2001	Stemness <sup>4</sup> May 2002	Color <sup>5</sup> Oct. 2003	Height <sup>6</sup> Oct. 2000
	2001-2003 Avg.	2001 Avg.	2002 Avg.								
1 Unknown	6.7	6.9	6.6	9.0	6.3	2.3	2.3	7.7	8.7	7.3	6.7
2 A98-726	6.6	6.5	6.9	9.0	6.7	2.3	1.3	7.7	8.3	8.3	7.7
3 Impact	6.4	6.3	6.7	8.0	6.7	3.0	2.0	7.0	9.0	7.7	6.3
4 Rhythm	6.2	6.3	6.7	9.0	7.0	3.0	1.3	7.3	8.3	8.0	7.0
5 Beyond	6.2	6.1	6.3	9.0	6.7	3.0	2.0	6.7	8.7	7.7	6.3
6 J-2890	6.2	6.1	6.2	9.0	6.7	3.0	2.7	7.7	8.3	7.0	7.3
7 Midnight	6.2	6.3	6.3	8.7	7.0	2.3	2.0	6.7	7.3	7.7	7.0
8 NuDestiny	6.2	6.1	6.4	8.7	5.7	2.7	2.3	8.0	9.0	6.0	6.7
9 Midnight II	6.2	6.3	6.1	9.0	6.3	3.0	2.0	8.0	8.7	7.7	7.3
10 Barrister	6.2	6.3	6.2	8.7	6.3	2.7	2.3	7.0	8.7	7.3	7.0
11 Freedom II	6.1	6.1	6.4	8.7	6.3	6.0	3.7	6.0	8.3	5.3	7.3
12 Arcadia	6.1	6.2	6.3	8.7	6.0	2.7	2.0	6.3	8.0	7.7	6.7
13 J-1838	6.1	6.3	5.9	8.7	6.3	2.7	2.0	7.3	8.0	7.0	7.7
14 Ginney	6.0	6.1	6.0	9.0	7.3	3.3	2.3	7.3	8.7	6.3	6.7
15 Odyssey	6.0	6.1	5.9	8.7	6.0	3.3	1.7	8.0	9.0	6.3	6.7
16 Quantum Leap	5.9	5.9	6.1	8.3	6.3	3.0	2.3	6.7	7.7	8.0	7.3
17 Award	5.9	6.0	5.9	8.7	5.7	3.0	2.0	7.7	8.0	7.3	6.7
18 Perfection	5.9	5.8	6.0	9.0	6.0	2.7	2.0	6.7	8.7	6.7	7.3
19 Everglade	5.8	5.7	6.1	9.0	7.0	3.0	1.7	7.7	8.0	6.3	6.7
20 Total Eclipse	5.8	6.0	5.9	7.7	6.7	3.0	2.7	6.0	7.3	7.7	6.0

**COMPACT-MIDNIGHT TYPE**

(Continued)

Table 6 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>			Stripe Smut <sup>2</sup> May 2003	Leaf Spot <sup>2</sup> May 2003	Spring Green-up <sup>3</sup> April 2002	Spring Green-up April 2003	Seed Head <sup>4</sup> May 2001	Stemness <sup>4</sup> May 2002	Color <sup>5</sup> Oct. 2003	Height <sup>6</sup> Oct. 2000		
	2001-2003 Avg.	2001 Avg.	2002 Avg.									2003 Avg.	
<b>COMPACT-MIDNIGHT TYPE (cont.)</b>													
21	Tsunami	5.8	6.1	5.7	5.6	8.7	6.7	3.0	2.3	8.0	9.0	7.0	6.7
22	J-1513	5.8	5.9	5.7	5.7	9.0	6.7	3.3	2.3	7.7	8.7	7.0	7.0
23	Rugby II	5.7	5.9	5.6	5.4	9.0	5.7	3.3	3.0	7.0	8.0	7.0	6.3
24	Bluestone	5.6	6.0	5.6	5.3	9.0	6.3	3.3	2.3	8.0	8.0	7.3	7.0
25	Awesome	5.6	5.8	5.8	5.2	9.0	6.0	2.7	2.7	7.7	8.0	6.7	6.7
26	J-2561	5.6	5.3	5.8	5.6	9.0	6.0	2.3	1.7	7.7	8.3	6.3	7.3
27	Liberator	5.6	6.0	5.6	5.1	8.3	6.3	4.3	2.3	6.3	8.7	6.3	7.0
28	NuGlade	5.5	5.8	5.5	5.2	9.0	6.0	2.7	3.0	7.3	8.7	6.7	6.3
29	Excursion	5.5	5.6	5.7	5.2	8.0	6.3	3.3	1.7	6.3	7.7	7.0	6.3
30	Everest	5.4	5.5	5.4	5.2	9.0	5.7	2.7	2.3	8.0	7.7	6.7	7.3
31	J-2885	5.2	5.4	5.3	5.0	9.0	6.0	4.0	3.0	7.0	7.7	6.3	7.0
32	Midnight Star	4.9	5.0	5.0	4.7	9.0	7.3	5.3	3.3	5.3	8.3	8.3	6.3
<b>COMPACT-AMERICA TYPE</b>													
1	Langara	6.2	6.4	5.4	6.6	8.3	6.0	6.0	4.7	5.3	6.7	5.3	5.0
2	SR 2284	5.8	5.9	5.6	6.1	9.0	6.7	7.3	4.0	5.0	5.3	7.3	6.3
3	Bedazzled	5.8	6.1	5.3	5.9	9.0	8.0	5.7	3.0	4.7	7.0	5.7	5.7
4	A98-205	5.7	5.8	5.6	5.8	9.0	6.7	6.0	3.7	5.0	7.0	7.7	6.7
5	SR 2394	5.7	5.4	5.5	6.0	9.0	7.7	5.7	4.7	5.3	5.7	7.7	6.3

(Continued)

Table 6 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup> -----			Stripe Smut <sup>2</sup> May 2003	Leaf Spot <sup>2</sup> May 2003	Spring Green-up <sup>3</sup> April 2002	Spring Green-up April 2003	Seed Head <sup>4</sup> May 2001	Stem-ness <sup>4</sup> May 2002	Color <sup>5</sup> Oct. 2003	Height <sup>6</sup> Oct. 2000	
	2001-2003 Avg.	2001 Avg.	2002 Avg.									2003 Avg.
<b>COMPACT-AMERICA TYPE (cont.)</b>												
6	A95-1048	5.6	5.8	5.7	5.4	9.0	6.3	5.3	4.0	5.0	8.3	6.3
7	A98-305	5.6	5.6	5.5	5.7	8.3	5.7	5.7	5.0	3.3	3.7	4.3
8	A97-1432	5.6	6.0	5.4	5.5	9.0	7.0	6.0	4.7	4.7	6.0	5.3
9	Sonoma	5.6	5.7	5.5	5.6	9.0	6.7	5.7	3.7	4.7	7.3	5.7
10	A98-290	5.6	5.9	5.4	5.4	9.0	6.3	5.3	2.0	3.3	5.3	6.0
11	A98-363	5.6	5.6	5.8	5.2	9.0	5.0	5.7	4.7	5.7	6.7	5.7
12	Royale	5.5	6.2	5.2	5.2	9.0	7.0	6.7	3.7	5.0	6.3	5.7
13	BAR Pp 0471	5.5	5.4	5.3	5.7	8.0	5.3	4.7	4.3	4.3	5.3	5.3
14	PST-222	5.4	5.5	5.1	5.6	9.0	7.0	4.3	2.7	4.3	6.7	8.0
15	A97-1330	5.4	5.6	5.3	5.3	8.7	5.3	5.0	4.3	3.7	6.0	4.3
16	PST-B3-170	5.4	5.5	5.1	5.6	9.0	7.0	4.0	3.0	4.7	6.7	6.3
17	A98-2038	5.4	5.9	5.3	5.0	9.0	8.0	5.0	2.7	6.0	7.3	8.7
18	BAR Pp 0573	5.4	5.5	5.2	5.4	8.3	5.0	6.0	4.0	3.3	1.7	5.3
19	A97-1475	5.4	5.3	5.3	5.5	8.0	5.3	3.3	3.3	3.3	6.0	5.0
20	Boutique	5.3	5.4	5.0	5.6	9.0	8.3	5.3	4.3	5.3	6.7	6.3
21	PST C-74	5.3	5.6	5.1	5.2	9.0	5.3	4.7	3.0	4.3	6.3	4.7
22	A98-344	5.3	5.3	5.4	5.2	9.0	7.0	6.0	2.7	4.0	4.3	8.3
23	Arrow	5.3	5.3	5.1	5.4	9.0	6.3	5.0	4.0	4.7	5.3	5.7
24	PST-H6-150	5.2	5.6	4.8	5.2	8.0	5.0	4.7	3.7	4.0	5.7	4.3
25	Showcase	5.2	5.2	5.2	5.3	8.7	6.0	4.7	3.7	3.7	4.7	5.0

(Continued)

Table 6 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>		Stripe Smut <sup>2</sup> May 2003	Leaf Spot <sup>2</sup> May 2003	Spring Green-up <sup>3</sup> April 2002	Spring Green-up April 2003	Seed Head <sup>4</sup> May 2001	Stem-ness <sup>4</sup> May 2002	Color <sup>5</sup> Oct. 2003	Height <sup>6</sup> Oct. 2000		
	2001-2003 Avg.	2002 Avg.									2003 Avg.	
<b>COMPACT-AMERICA TYPE (cont.)</b>												
26	A97-1560	5.2	5.1	5.0	8.7	4.7	5.0	3.0	4.0	7.0	4.7	7.7
27	Bordeaux	5.2	4.8	5.4	9.0	5.3	5.0	4.3	3.7	3.3	7.3	5.0
28	Apollo	5.1	5.0	5.2	7.7	5.0	6.0	4.3	3.3	5.7	5.3	7.0
29	BAR Pp 0468	5.1	5.0	5.3	8.7	5.0	4.3	3.0	4.3	5.3	5.3	7.7
30	Unique	5.1	5.1	5.1	8.0	5.7	5.0	3.3	4.3	5.3	5.0	6.7
31	Brilliant	5.1	4.8	5.0	9.0	6.0	4.7	4.3	3.7	5.0	4.7	7.3
32	Glenmont	5.1	4.6	5.5	9.0	8.0	6.7	4.3	5.0	7.0	5.7	6.7
33	Mallard	5.0	4.7	4.8	9.0	6.3	4.0	4.0	4.3	3.7	7.0	6.3
34	America	4.9	4.9	4.8	8.7	5.3	5.0	3.3	3.3	5.7	4.7	7.0
35	BAR Pp 0566	4.8	4.9	4.8	9.0	6.3	6.0	3.3	4.3	4.7	6.3	6.0
36	PST-604	4.4	4.1	4.3	9.0	6.0	6.0	4.3	5.3	5.0	6.3	6.0
<b>JULIA TYPE</b>												
1	Avalanche	6.2	6.2	5.8	9.0	4.3	7.0	6.0	7.3	8.7	5.3	4.7
2	Rampart	5.4	5.4	5.2	9.0	7.7	5.7	4.3	6.3	7.7	7.3	5.3
3	Julia	5.2	5.3	5.1	8.7	4.3	4.7	5.0	7.0	5.7	5.7	5.3
4	Pick 453	5.0	5.0	5.0	9.0	7.0	6.0	3.7	6.0	6.3	7.7	5.3
5	H92-558	4.9	4.7	5.2	9.0	7.0	4.3	3.7	6.0	5.3	7.3	5.7

(Continued)

Table 6 (continued).

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Stripe Smut <sup>2</sup> May 2003	Leaf Spot <sup>2</sup> May 2003	Spring Green-up <sup>3</sup> April 2002	Spring Green-up April 2003	Seed Head <sup>4</sup> May 2001	Stem-ness <sup>4</sup> May 2002	Color <sup>5</sup> Oct. 2003	Height <sup>6</sup> Oct. 2000
	2001-2003 Avg.	2001 Avg.	2002 Avg.								
<b>MID-ATLANTIC TYPE</b>											
1 Cabernet	5.8	5.9	5.6	5.7	4.7	7.0	6.7	6.3	7.7	5.0	4.7
2 PST-161	5.4	5.8	5.0	5.4	9.0	6.0	6.7	7.0	8.7	5.7	4.7
3 Eagleton	5.1	5.7	4.3	5.3	9.0	5.7	6.0	6.7	7.0	3.0	5.0
4 A98-155	5.0	5.2	5.0	4.7	9.0	6.3	5.7	7.7	8.0	7.0	5.3
5 SR 2000	4.9	5.0	4.8	5.0	9.0	6.0	5.0	5.7	7.0	8.0	6.0
6 Livingston	4.6	4.7	4.6	4.7	8.7	5.3	4.7	4.7	4.3	5.0	5.3
7 RSP	4.5	5.1	3.8	4.7	8.7	6.0	7.3	8.7	9.0	3.7	4.0
<b>SHAMROCK TYPE</b>											
1 A98-948	5.8	6.2	5.8	5.4	8.7	6.7	4.3	5.7	7.0	5.7	5.7
2 A98-999	5.7	6.1	5.6	5.3	8.7	7.0	5.3	5.7	5.0	6.7	5.7
3 Champlain	5.6	5.5	6.0	5.3	9.0	3.7	3.0	6.0	7.0	6.3	7.0
4 A98-1025	5.5	5.5	5.5	5.3	9.0	5.7	4.7	5.0	6.3	5.7	5.3
5 A98-1095	5.4	5.6	5.3	5.3	9.0	5.7	3.7	5.3	7.0	6.3	6.0
6 A98-877	5.4	5.5	5.4	5.1	9.0	5.7	4.7	5.0	7.7	5.0	5.3
7 Lakeshore	5.3	5.4	5.0	5.4	9.0	5.3	5.0	5.7	6.7	5.7	5.0
8 PST-1304	5.2	5.2	5.0	5.4	8.3	4.3	3.3	4.7	5.7	5.3	7.3
9 A98-1028	5.2	5.1	5.3	5.1	8.7	6.7	5.0	5.7	5.7	5.3	5.3
10 A98-1001	5.2	5.6	5.2	4.6	7.7	6.7	5.0	5.0	5.7	6.0	5.7

(Continued)

Table 6 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>			Stripe Smut <sup>2</sup> May 2003	Leaf Spot <sup>2</sup> May 2003	Spring Green-up <sup>3</sup> April 2002	Spring Green-up April 2003	Seed Head <sup>4</sup> May 2001	Stemness <sup>4</sup> May 2002	Color <sup>5</sup> Oct. 2003	Height <sup>6</sup> Oct. 2000
	2001-2003 Avg.	2001 Avg.	2002 Avg.								
11 A98-881	5.1	5.3	5.1	5.0	4.0	5.0	4.7	6.0	7.7	6.0	6.3
12 A98-962	5.1	5.1	5.0	5.3	4.0	4.7	4.3	4.0	5.7	4.7	6.3
13 A96-427	5.0	5.7	4.6	4.5	6.0	6.7	4.3	5.0	4.7	6.7	5.7
14 PST-1804	4.9	5.0	4.7	5.1	4.0	6.3	4.7	5.0	6.7	6.0	5.3
15 Brooklawn	4.8	4.7	4.7	5.0	3.7	5.7	4.7	4.7	5.0	5.0	5.3
16 Champagne	4.7	4.8	4.8	4.6	3.7	6.0	5.3	6.0	5.7	6.7	4.0
17 Shamrock	4.7	4.8	4.5	4.7	5.0	6.7	4.7	5.0	6.0	6.0	6.0
<b>AGGRESSIVE (HIGH DENSITY) TYPE</b>											
1 North Star	5.7	5.6	5.8	5.7	9.0	2.7	2.7	4.3	6.7	5.0	7.7
2 Brunswick	5.2	5.1	4.8	5.8	6.0	8.0	5.0	6.0	7.0	4.0	5.0
3 HV 140	5.2	6.0	5.1	4.6	7.0	5.7	3.7	4.7	6.0	3.7	5.0
4 Limousine	5.0	5.1	4.9	5.0	4.3	5.3	5.3	5.3	7.3	6.3	6.0
5 Julius	4.8	4.5	5.0	5.0	5.7	6.0	5.0	4.7	7.3	3.7	7.7
<b>CELA TYPE</b>											
1 Jefferson	5.3	5.5	4.8	5.6	9.0	6.0	6.3	5.3	5.7	5.3	3.7
<b>BELLEVEUE TYPE</b>											
1 Parade	4.8	4.9	4.9	4.7	8.7	6.7	4.3	4.0	5.7	5.0	4.0

(Continued)



Table 6 (continued).

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Stripe Smut <sup>2</sup> May 2003	Leaf Spot <sup>2</sup> May 2003	Spring Green-up <sup>3</sup> April 2002	Spring Green-up April 2003	Seed Head <sup>4</sup> May 2001	Stem-ness <sup>4</sup> May 2002	Color <sup>5</sup> Oct. 2003	Height <sup>6</sup> Oct. 2000
	2001-2003 Avg.	2001 Avg.	2002 Avg.								
<b>BVMG TYPE</b>											
1 Abbey	5.1	5.9	4.8	4.6	3.7	5.0	4.3	5.0	5.3	4.7	5.7
2 Crest	5.0	5.9	5.6	3.5	1.7	4.7	3.7	4.0	4.3	5.0	6.0
3 Raven	4.9	5.6	4.9	4.1	2.7	6.0	4.7	4.7	5.0	4.0	5.7
4 Envicta	4.8	5.3	5.3	4.0	3.0	5.3	4.3	4.7	4.3	4.7	6.0
5 Marquis	4.7	5.3	4.9	4.0	2.7	5.7	4.7	4.0	6.0	4.7	6.7
6 Baron	4.7	5.5	4.8	3.8	2.7	5.3	4.0	4.3	5.3	4.0	6.3
7 Goldrush	4.6	5.8	4.8	3.3	2.0	5.3	4.7	4.7	5.0	3.7	6.0
8 Merit	4.6	4.8	5.1	3.9	3.0	5.0	4.3	3.7	4.7	4.3	6.0
<b>COMMON TYPE</b>											
<b>TEXAS X KENTUCKY BLUEGRASS HYBRID</b>											
1 A91-703	5.8	6.0	5.7	5.5	8.7	6.7	5.7	6.7	6.3	6.0	4.0
2 Voyager	4.8	5.1	4.3	5.1	8.7	7.3	5.3	7.7	8.7	3.0	4.3
3 Kenblue	3.5	3.9	3.5	3.2	8.0	7.7	8.7	9.0	9.0	3.0	3.0
4 GO-9LM9	3.1	3.7	2.9	2.6	8.3	6.3	5.3	9.0	9.0	4.7	3.7
1 A99LM-16	5.0	6.0	5.4	3.5	3.3	3.7	3.3	5.0	7.3	3.7	8.0
2 BH00-6002	4.5	4.9	4.1	4.6	6.0	5.7	3.7	7.7	7.3	4.7	5.7
3 BH 00-6003	4.2	4.2	4.2	4.1	7.3	6.0	5.3	5.3	4.7	4.3	6.3

(Continued)

Table 6 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>			Stripe Smut <sup>2</sup> May 2003	Leaf Spot <sup>2</sup> May 2003	Spring Green-up <sup>3</sup> April 2002	Spring Green-up April 2003	Seed Head <sup>4</sup> May 2001	Stem-ness <sup>4</sup> May 2002	Color <sup>5</sup> Oct. 2003	Height <sup>6</sup> Oct. 2000
	2001-2003 Avg.	2001 Avg.	2002 Avg.								
1 A98-15	6.3	6.7	6.0	9.0	7.0	6.3	4.3	6.3	8.3	8.0	6.0
2 A96-265	6.2	6.2	6.5	9.0	5.7	3.0	2.0	6.0	8.7	6.0	6.3
3 A98-13	6.2	6.7	5.9	9.0	6.3	6.3	5.0	6.3	8.3	8.0	6.0
4 SR 2205	6.2	6.3	6.3	9.0	6.7	5.3	5.0	5.0	6.7	6.3	7.0
5 SRX 26351	6.1	6.8	6.2	6.7	5.0	6.0	4.7	5.3	6.3	6.3	6.3
6 PST-108-79	6.0	6.3	5.8	8.0	4.0	6.0	4.3	5.7	7.7	5.7	7.3
7 Ascot	5.8	5.8	6.1	8.7	6.3	3.3	3.0	4.3	5.0	5.7	7.0
8 A95-410	5.8	6.3	5.5	9.0	7.7	5.0	3.0	5.0	5.3	7.0	6.0
9 95AN-10	5.8	6.0	5.7	9.0	5.7	7.7	6.7	6.3	8.3	6.0	5.7
10 Explorer	5.7	6.0	5.7	9.0	6.7	3.3	1.7	7.3	8.7	8.0	8.0
11 A96-1246	5.7	5.5	5.9	8.3	5.7	6.3	3.3	4.7	6.7	6.3	8.0
12 A98-430	5.7	5.9	5.6	7.7	5.0	7.7	5.0	5.0	4.3	6.3	6.0
13 A95-1939	5.6	6.0	5.2	9.0	6.3	5.7	4.0	6.3	5.3	7.7	5.3
14 B4-128A	5.6	5.5	5.5	5.7	4.3	5.3	5.3	5.0	8.0	4.0	8.0
15 SRX 2U5	5.5	5.9	5.7	9.0	6.7	4.7	3.7	6.3	8.7	3.7	6.0
16 Hallmark	5.5	5.8	5.1	9.0	7.7	4.7	3.3	5.3	8.7	7.7	4.7
17 SRX 2114	5.5	5.9	5.1	9.0	7.7	4.0	2.7	5.0	7.0	7.7	6.0
18 IQG-36	5.4	5.8	5.0	9.0	7.7	4.7	2.0	5.0	8.0	7.7	5.3
19 SCR-320	5.4	5.3	5.3	8.0	5.0	7.0	6.3	5.0	4.7	5.3	7.3
20 Chelsea	5.4	5.3	5.1	8.7	4.0	4.7	4.3	5.7	7.0	4.7	7.0

**OTHER TYPE**

(Continued)

Table 6 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup> -----			Stripe Smut <sup>2</sup> May 2003	Leaf Spot <sup>2</sup> May 2003	Spring Green-up <sup>3</sup> April 2002	Spring Green-up April 2003	Seed Head <sup>4</sup> May 2001	Stem-ness <sup>4</sup> May 2002	Color <sup>5</sup> Oct. 2003	Height <sup>6</sup> Oct. 2000
	2001-2003 Avg.	2001 Avg.	2002 Avg.								
21 Golden Nugget	5.4	5.3	5.2	5.7	5.0	6.0	4.3	5.3	8.7	4.3	8.3
22 Bartita	5.4	5.3	5.6	5.3	6.3	4.3	3.0	4.3	5.7	4.3	6.0
23 A97-1409	5.3	6.0	5.0	9.0	7.3	6.3	4.0	5.0	6.0	7.7	5.3
24 Yvette	5.3	5.2	5.4	5.3	4.7	6.7	6.0	6.0	8.0	3.7	9.0
25 PST-1201	5.3	5.3	5.6	9.0	3.3	5.3	6.3	8.3	9.0	5.7	5.3
26 SRX 2U17	5.3	5.6	5.2	8.0	5.7	6.7	3.7	4.7	6.0	4.7	7.3
27 PST York Harbor 4	5.3	5.6	4.6	9.0	7.0	5.3	4.7	5.0	7.0	7.0	5.3
28 SRX 220713	5.3	5.1	5.3	9.0	5.7	5.0	3.3	5.0	6.0	5.3	7.0
29 Rita	5.3	5.5	5.0	9.0	6.3	5.7	4.7	5.0	6.0	6.0	4.7
30 A95-414	5.3	5.1	5.5	9.0	6.3	4.3	2.0	5.3	7.3	6.0	7.3
31 Bariris	5.3	5.2	5.3	7.0	3.7	4.3	4.3	6.3	6.0	5.0	4.7
32 H92-203	5.3	5.4	4.9	8.0	3.7	4.3	4.0	3.7	5.3	4.7	7.3
33 Serene	5.3	5.5	4.9	8.7	6.7	4.7	3.7	5.0	7.0	4.7	5.7
34 Baritone	5.2	5.1	5.2	8.7	4.3	7.0	3.7	5.3	5.3	5.7	5.3
35 Casablanca	5.2	5.4	5.0	8.0	4.7	5.0	3.3	4.3	6.0	4.7	7.3
36 Chateau	5.2	5.3	5.2	8.0	5.0	5.3	4.0	4.3	3.7	4.3	6.7
37 B3-185	5.2	5.2	5.1	7.7	4.7	4.0	4.0	3.7	5.7	4.7	7.7
38 A98-530	5.2	5.5	4.9	9.0	4.0	6.0	4.3	5.0	4.0	5.0	7.0
39 Baronette	5.2	5.3	5.3	9.0	6.0	6.7	5.3	4.7	7.0	7.0	4.3
40 Blue Knight	5.2	5.2	5.4	8.7	6.3	5.3	2.7	5.0	6.3	7.7	7.0

**OTHER TYPE (cont.)**

(Continued)

Table 6 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>			Stripe Smut <sup>2</sup> May 2003	Leaf Spot <sup>2</sup> May 2003	Spring Green-up <sup>3</sup> April 2002	Spring Green-up April 2003	Seed Head <sup>4</sup> May 2001	Stemness <sup>4</sup> May 2002	Color <sup>5</sup> Oct. 2003	Height <sup>6</sup> Oct. 2000
	2001-2003 Avg.	2001 Avg.	2002 Avg.								
41 Barzan	5.1	5.4	5.1	4.9	4.3	4.3	2.0	5.0	4.7	5.0	6.3
42 DLF-76-9038	5.1	5.3	4.8	5.2	4.3	5.0	4.0	4.0	5.7	5.3	6.7
43 Royce	5.1	5.5	4.9	5.0	5.3	4.7	3.0	4.3	6.0	4.0	6.7
44 Voyager II	5.1	5.4	4.9	5.0	4.7	5.0	5.7	4.3	7.0	4.3	6.7
45 Allure	5.1	5.2	4.8	5.3	5.3	6.0	5.0	4.3	4.7	4.3	6.0
46 Limerick	5.1	5.6	4.7	5.0	4.0	5.0	2.7	4.7	5.3	4.3	4.0
47 Pp H 7832	5.1	4.8	5.1	5.4	4.7	5.3	4.3	5.3	7.7	4.7	6.0
48 Coventry	5.1	5.6	4.9	4.7	4.3	6.3	4.3	5.3	6.0	4.3	6.0
49 IQG-38	5.1	5.3	5.0	5.0	4.0	6.0	4.7	5.0	5.3	5.0	7.7
50 A98-1147	5.1	5.1	5.0	5.2	4.7	4.7	3.3	3.7	4.7	4.3	7.3
51 CVB 20631	5.1	5.3	5.3	4.6	5.3	5.7	3.3	4.7	5.7	5.3	7.0
52 PST B6-60	5.1	5.1	4.8	5.3	4.7	6.0	4.0	5.0	5.7	5.0	6.7
53 A96-1251	5.1	5.4	5.0	4.8	5.0	6.0	3.0	5.0	4.7	6.0	7.0
54 99AN-39	5.1	5.7	4.9	4.6	5.7	4.7	4.7	6.3	7.3	5.3	7.0
55 Touchdown	5.0	4.7	4.8	5.6	6.3	7.0	6.0	6.7	7.7	4.3	4.3
56 A98-365	5.0	5.0	5.1	5.1	4.7	4.7	2.0	5.0	6.0	6.3	6.3
57 Canon	5.0	5.7	4.8	4.5	5.0	5.3	3.0	4.7	6.7	4.3	6.3
58 Pp H 7929	5.0	4.9	5.2	5.0	3.7	5.7	4.7	5.0	4.7	5.3	6.3
59 A98-572	5.0	5.2	4.9	4.9	4.3	5.7	3.3	4.3	4.3	4.3	7.3
60 HV 238	5.0	5.4	4.7	4.9	6.0	5.0	2.3	6.7	7.7	5.3	5.7

**OTHER TYPE (cont.)**

(Continued)

Table 6 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>			Stripe Smut <sup>2</sup> May 2003	Leaf Spot <sup>2</sup> May 2003	Spring Green-up <sup>3</sup> April 2002	Spring Green-up <sup>3</sup> April 2003	Seed Head <sup>4</sup> May 2001	Stem-ness <sup>4</sup> May 2002	Color <sup>5</sup> Oct. 2003	Height <sup>6</sup> Oct. 2000
	2001-2003 Avg.	2001 Avg.	2002 Avg.								
61 IQG-28	5.0	5.0	5.2	7.3	4.0	4.7	3.3	3.7	5.7	4.7	6.7
62 A96-386	5.0	5.2	4.6	9.0	6.7	5.7	3.3	5.3	8.3	5.7	6.3
63 DLF-76-9032	5.0	4.6	4.7	6.3	5.3	5.0	3.7	7.3	7.7	4.3	7.7
64 A98-183	5.0	5.3	4.8	9.0	6.3	4.0	4.0	6.7	7.0	5.3	6.7
65 Bluemax	5.0	4.8	4.9	8.7	8.3	4.3	2.7	4.7	6.3	7.7	7.7
66 B5-45	4.9	5.3	4.4	7.3	5.3	6.3	3.7	5.0	5.0	4.3	6.7
67 Rambo	4.9	5.3	4.9	8.7	4.7	5.0	3.3	4.7	5.7	5.7	5.3
68 SCR-282	4.9	5.2	5.0	8.7	5.0	6.0	4.7	4.7	4.7	5.0	4.0
69 Blue Ridge	4.9	5.1	4.9	9.0	7.3	5.3	4.3	4.0	5.3	6.3	6.3
70 A98-463	4.9	5.4	4.8	9.0	7.0	4.7	3.3	4.3	5.0	6.0	6.3
71 Misty	4.9	5.7	4.3	7.3	5.7	5.0	4.0	4.3	4.7	4.0	6.0
72 BA 00-6001	4.9	5.3	4.8	8.3	5.0	4.3	2.7	5.0	3.7	5.0	7.7
73 B5-144	4.9	4.9	4.9	7.3	5.3	4.7	4.0	4.3	5.3	5.3	6.7
74 Lily	4.9	4.9	4.8	8.7	5.7	5.3	4.0	5.7	7.0	5.7	6.0
75 Monte Carlo	4.9	5.2	4.5	9.0	7.7	5.3	3.3	4.7	4.3	7.0	7.3
76 DLF-76-9036	4.9	6.0	4.8	2.0	2.7	4.7	4.0	4.7	4.0	5.3	6.0
77 A96-451	4.9	5.1	4.8	9.0	8.0	4.3	3.0	3.3	3.7	7.7	6.0
78 A97-1524	4.8	5.2	4.7	9.0	3.7	7.0	4.0	4.3	3.7	5.7	5.3
79 99AN-50	4.8	5.3	4.4	5.7	5.0	5.3	3.7	8.0	7.3	5.3	5.7
80 Cynthia	4.8	5.0	4.4	7.7	3.7	4.0	3.3	5.0	8.3	5.3	5.3

**OTHER TYPE (cont.)**

(Continued)

Table 6 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>			Stripe Smut <sup>2</sup> May 2003	Leaf Spot <sup>2</sup> May 2003	Spring Green-up <sup>3</sup> April 2002	Spring Green-up April 2003	Seed Head <sup>4</sup> May 2001	Stemness <sup>4</sup> May 2002	Color <sup>5</sup> Oct. 2003	Height <sup>6</sup> Oct. 2000		
	2001-2003 Avg.	2001 Avg.	2002 Avg.									2003 Avg.	
<b>OTHER TYPE (cont.)</b>													
81	B4-122	4.8	5.2	4.7	4.6	8.7	4.3	5.7	3.0	4.0	4.3	4.7	7.0
82	B5-43	4.8	4.8	4.4	5.2	7.7	4.7	5.7	4.3	4.3	4.0	5.7	7.0
83	B5-50	4.8	4.7	4.8	4.9	7.0	4.3	6.0	4.7	4.7	6.7	5.3	6.3
84	Fairfax	4.8	5.1	4.5	4.9	7.7	4.7	5.7	4.0	5.0	4.7	4.0	5.7
85	PpH 7907	4.8	4.7	4.7	5.0	7.7	5.0	5.0	4.0	4.7	4.0	5.7	6.0
86	Pp 8	4.8	5.1	4.3	5.0	6.3	5.7	5.3	4.0	7.3	7.7	5.3	6.0
87	SRX 27921	4.8	5.1	4.9	4.4	8.7	5.0	5.3	4.0	5.0	4.3	6.3	6.0
88	Blacksburg II	4.8	4.9	4.6	4.7	9.0	6.0	6.0	4.0	5.0	7.3	6.7	5.3
89	PST-H5-35	4.7	5.0	4.7	4.5	9.0	7.0	5.7	3.3	5.0	6.3	6.0	5.7
90	SRX 2U33	4.7	5.2	4.3	4.8	8.3	2.7	7.7	6.0	7.7	9.0	4.3	4.7
91	A96-739	4.7	5.0	4.4	4.8	8.0	5.3	6.3	3.7	5.0	4.3	5.0	5.7
92	SRX 2036	4.7	4.9	4.5	4.7	9.0	2.0	6.3	6.3	8.0	9.0	3.3	3.0
93	Ba 83-113	4.7	5.1	4.4	4.6	9.0	4.0	6.0	5.0	4.0	1.7	6.0	5.7
94	B3-168	4.7	4.8	4.8	4.4	8.7	4.7	5.7	3.3	4.0	5.0	4.7	7.3
95	Mercury	4.7	5.2	4.4	4.4	8.7	4.0	5.7	2.7	2.7	2.7	6.0	6.7
96	SRX 2U20	4.7	5.1	4.7	4.2	6.7	4.7	6.0	3.3	7.0	7.7	5.0	5.7
97	A98-139	4.7	5.1	4.4	4.5	8.3	3.7	7.3	6.7	7.0	7.0	5.0	3.7
98	A98-407	4.6	4.4	4.5	4.8	7.0	6.7	5.7	4.0	3.7	2.3	6.7	6.7
99	B6-58	4.6	5.3	4.8	3.7	7.3	2.3	4.3	3.3	4.0	5.7	4.3	6.0
100	K 994	4.6	5.2	4.2	4.3	8.7	3.7	6.7	5.0	6.7	7.0	6.0	4.0

(Continued)

Table 6 (continued).

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Stripe Smut <sup>2</sup> May 2003	Leaf Spot <sup>2</sup> May 2003	Spring Green-up <sup>3</sup> April 2002	Spring Green-up April 2003	Seed Head <sup>4</sup> May 2001	Stem-ness <sup>4</sup> May 2002	Color <sup>5</sup> Oct. 2003	Height <sup>6</sup> Oct. 2000
	2001-2003 Avg.	2001 Avg.	2002 Avg.								
101 Pp H 6370	4.6	4.9	4.3	8.7	4.0	4.3	4.3	4.7	6.3	5.0	5.7
102 SRX OG245	4.6	4.7	4.4	7.0	2.7	7.7	6.7	7.0	8.0	6.3	5.7
103 Barone	4.5	4.8	4.4	9.0	4.0	6.0	3.3	4.3	4.7	5.0	4.0
104 Blue Sapphire	4.5	4.8	4.4	9.0	6.3	5.3	4.0	6.3	8.0	8.7	4.7
105 Ba 84-140	4.5	4.5	4.4	9.0	7.7	5.3	3.3	5.0	8.0	8.7	7.0
106 Jewel	4.4	4.0	4.9	6.7	3.3	5.7	6.0	7.7	8.0	5.0	3.7
107 Boomerang	4.3	4.3	4.3	8.0	5.7	4.0	3.3	5.0	6.0	7.0	6.0
108 SRX 2U15	4.3	4.9	4.7	2.0	2.3	5.0	3.7	4.0	5.0	5.3	7.3
109 Washington	4.3	4.5	4.0	8.7	3.3	6.7	7.3	8.3	9.0	4.3	2.7
110 K 993	4.3	4.8	3.8	8.3	2.7	4.3	6.0	7.3	8.3	6.3	4.7
111 K 984	4.2	4.3	3.9	7.3	6.3	5.0	5.3	5.0	4.3	7.7	4.7
112 99AN-53	4.2	4.7	4.3	3.0	3.0	5.7	4.3	6.7	6.0	5.0	6.7
113 SR 2100	4.2	4.6	4.3	3.0	4.3	5.0	4.0	4.3	4.7	5.0	5.3
114 CNC 254	4.2	4.4	3.9	5.0	2.0	7.7	7.7	7.7	8.3	4.0	4.3
115 SRX 27753	4.2	4.0	4.5	9.0	3.3	5.7	4.0	4.7	3.0	7.3	5.7
116 99AN-59	4.1	5.6	3.7	7.7	5.7	5.3	3.3	5.3	5.7	7.7	6.7
117 Bodacious	4.1	3.6	4.3	9.0	4.3	5.3	4.0	4.3	4.3	6.0	4.7
118 A96-746	4.1	4.3	4.0	7.3	2.7	6.0	6.3	6.0	6.7	4.0	3.3
119 SRX 2021	4.0	4.4	3.8	6.7	2.3	4.3	3.7	6.0	4.0	4.7	3.0
120 NA K992	3.9	3.7	4.0	7.0	3.0	5.7	3.7	4.7	3.7	7.0	5.7

**OTHER TYPE (cont.)**

(Continued)

Table 6 (continued).

	Turf Quality <sup>1</sup> -----			Stripe Smut <sup>2</sup> May 2003	Leaf Spot <sup>2</sup> May 2003	Spring Green-up <sup>3</sup> April 2002	Spring Green-up April 2003	Seed Head <sup>4</sup> May 2001	Stem-ness <sup>4</sup> May 2002	Color <sup>5</sup> Oct. 2003	Height <sup>6</sup> Oct. 2000		
	2001-2003 Avg.	2001 Avg.	2002 Avg.									2003 Avg.	
Cultivar or Selection													
121	SRX 2U22	3.8	4.3	3.6	3.5	8.7	3.0	7.7	8.3	8.0	8.7	4.0	2.3
122	Wellington	3.8	4.2	3.6	3.4	6.3	1.7	7.7	7.7	8.0	9.0	3.7	4.3
123	A97-857	3.7	4.2	3.5	3.4	6.3	3.7	5.0	6.3	6.3	7.7	5.3	6.7
124	99AN-88	3.7	4.2	3.7	3.2	5.7	2.7	4.7	3.7	5.7	6.3	7.3	7.7
125	DLF-76-9034	3.6	3.9	3.1	3.7	8.7	2.0	4.7	3.7	6.3	7.0	4.7	5.7
126	SCEC-183	3.6	4.5	2.8	3.5	9.0	1.0	6.3	5.3	8.0	9.0	5.0	3.3
127	99PH3-2	3.5	4.2	3.5	2.9	7.3	1.7	5.7	6.3	6.3	9.0	4.7	6.0
128	K 995	3.5	3.4	3.3	3.7	8.3	6.0	5.3	3.3	5.7	5.7	7.0	6.7
129	W-202-A7	3.5	4.7	3.2	2.4	7.3	1.0	6.0	5.3	6.3	9.0	3.3	8.0
130	99AN-16	3.4	3.9	3.2	3.2	7.0	3.7	6.0	3.3	5.3	5.7	6.7	5.3
131	W-501-G5	3.4	3.1	3.5	3.8	6.7	3.3	6.0	4.7	5.3	4.0	5.0	7.0
132	W 102A-K	2.6	2.1	2.5	3.2	8.0	3.7	6.0	5.3	6.7	5.5	3.3	7.0
133	99AN-12	2.5	2.6	2.2	2.8	7.0	4.0	3.3	3.7	4.7	4.5	5.7	7.3
<b>OTHER TYPE (cont.)</b>													
	LSD at 5% =	0.5	0.7	0.7	0.7	1.5	1.4	1.6	1.7	1	1.6	0.9	1.1

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

<sup>2</sup>9 = least disease

<sup>3</sup>9 = earliest spring green-up

<sup>4</sup>9 = least seed heads visible in turf plots

<sup>5</sup>9 = darkest green color

<sup>6</sup>9 = shortest plant height



Table 7. Performance of Kentucky bluegrass and Texas x Kentucky bluegrass hybrid cultivars and selections in a turf trial established in September 2000 at Adelphia, NJ.

	Cultivar or Selection	Species	-----Turf Quality <sup>1</sup> -----				Leaf Spot <sup>2</sup> May 2003
			2001-2003 Avg.	2001 Avg.	2002 Avg.	2003 Avg.	
1	Langara	KB <sup>3</sup>	6.9	7.1	5.9	7.6	8.3
2	Rhythm	KB	6.8	7.1	6.8	6.6	8.3
3	Midnight	KB	6.8	7.2	6.5	6.6	8.3
4	A94MH-94	KB	6.4	6.2	5.9	7.1	8.7
5	Moonlight	KB	5.9	6.2	5.2	6.4	9.0
6	A96-1201	KB	5.8	6.1	5.9	5.6	7.0
7	Eagleton	KB	5.6	6.2	4.9	5.8	7.0
8	A91-703	KB	5.4	5.9	4.8	5.6	9.0
9	A99LM-16	TB x KB hybrid <sup>4</sup>	5.1	6.1	4.8	4.4	3.3
10	A00TB-15	TB x KB hybrid	5.1	6.3	4.6	4.3	4.3
11	A00TB-14	TB x KB hybrid	4.8	6.0	5.3	3.2	2.3
12	RUGC	KB	4.8	5.5	4.9	4.1	4.0
13	RSP	KB	4.7	6.0	3.7	4.5	1.7
14	A89-352	KB	4.7	4.8	4.1	5.2	7.0
15	H92-333	KB	4.5	5.8	3.6	4.2	3.0
16	H86-1248	KB	4.1	5.2	4.1	2.9	2.7
17	A99LM-8	TB x KB hybrid	3.7	5.1	3.5	2.6	1.3
18	A99LM-9	TB x KB hybrid	3.5	4.9	3.2	2.4	1.0
19	A00TB-16	TB x KB hybrid	3.4	4.8	3.3	2.0	1.3
20	A00TB-17	TB x KB hybrid	2.7	2.7	2.6	2.8	3.7
21	IM65	KB	2.5	2.9	2.2	2.4	2.0
LSD at 5% =			0.4	0.6	0.6	0.7	1.2

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

<sup>2</sup>9 = least disease

<sup>3</sup>Kentucky bluegrass

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

Table 8. Performance of Kentucky bluegrass cultivars and selections in a turf trial established in September 2001 at North Brunswick, NJ.

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----		
		2002-2003 Avg.	2002 Avg.	2003 Avg.
1	H98-701	6.2	6.3	6.0
2	Odyssey	6.0	5.8	6.2
3	A98-2677	6.0	5.9	6.0
4	H98-768	6.0	5.7	6.2
5	A99-2987	5.9	5.7	6.2
6	NuGlade	5.9	5.7	6.0
7	A99-2483	5.9	5.8	6.0
8	Eclipse	5.8	5.4	6.1
9	PST C-74	5.7	5.6	5.8
10	A99-2758	5.7	5.7	5.7
11	A99-2208	5.7	5.8	5.5
12	A99-2620	5.6	5.3	6.0
13	H98-711	5.6	5.7	5.5
14	Liberator	5.6	5.5	5.8
15	A98-27	5.6	5.5	5.7
16	A99-2031	5.6	5.7	5.5
17	A99-2072	5.6	5.5	5.6
18	A99-2377	5.6	5.5	5.6
19	H98-754	5.5	5.5	5.5
20	A99-2412	5.5	5.4	5.7
21	A99-2998	5.5	5.7	5.4
22	H98-46	5.5	5.4	5.7
23	H94-288	5.5	5.4	5.7
24	RSP	5.5	5.4	5.6
25	A99-2209	5.5	5.7	5.4
26	A98-962	5.5	5.2	5.9
27	A99-2377	5.5	5.5	5.6
28	A99-2975	5.5	5.2	5.8
29	Jefferson	5.4	5.0	5.8
30	A99-2122	5.4	5.4	5.5
31	A99-2467	5.4	5.3	5.6
32	A96-1201	5.4	5.4	5.4
33	America	5.4	5.4	5.3
34	A98-877	5.3	4.9	5.5
35	H98-1082	5.2	5.5	5.0

(Continued)

Table 8 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----		
		2002-2003 Avg.	2002 Avg.	2003 Avg.
36	A98-868	5.2	5.2	5.3
37	A99-2481	5.2	5.1	5.4
38	A99-2231	5.2	5.0	5.5
39	H94-195	5.2	5.3	5.2
40	Bluemoon	5.2	5.1	5.4
41	A99-2168	5.2	5.4	4.9
42	A98-363	5.2	5.1	5.3
43	Avalanche	5.2	4.7	5.6
44	H98-684	5.2	5.3	5.0
45	A99-2213	5.2	5.2	5.2
46	A99-2257	5.2	5.0	5.3
47	A99-2671	5.2	5.2	5.1
48	A98-890	5.2	5.2	5.2
49	A98-337	5.1	5.1	5.1
50	A99-2309	5.1	5.1	5.1
51	Arrow	5.1	5.0	5.2
52	Rugby II	5.1	5.2	4.9
53	Washington	5.0	4.5	5.6
54	A99-3123	5.0	5.2	4.8
55	SR 2284	4.9	5.3	4.6
56	Eagleton	4.8	4.9	4.7
57	Lakeshore	4.8	4.8	4.8
58	Award	4.7	5.3	4.2
59	A98-238	4.6	5.1	4.1
60	Chicago II	4.4	4.8	4.0
61	Freedom II	4.3	4.4	4.3
62	A94MH-94	4.1	4.4	3.8
63	Rambo	4.0	4.1	4.0
64	Bluechip	3.5	4.0	3.1
65	Clearwater	3.5	3.9	3.0
66	Atlantis	3.5	4.0	2.9
67	Caliber	3.4	3.4	3.4
68	Absolute	3.3	3.8	2.9
69	Nassau	3.3	3.5	3.1
70	Reveille (TB x KB hybrid <sup>2</sup> )	3.2	3.8	2.6

(Continued)

Table 8 (continued).

Cultivar or Selection		-----Turf Quality <sup>1</sup> -----		
		2002-2003 Avg.	2002 Avg.	2003 Avg.
71	DLFJ-101	3.1	3.6	2.5
72	DLFJ-102	3.0	3.6	2.4
73	NuBlue	2.9	3.5	2.4
LSD at 5 % =		0.8	0.7	1.0

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

<sup>2</sup>Texas x Kentucky bluegrass hybrid

Table 9. Performance of Kentucky bluegrass cultivars and selections in a turf trial established in August 2001 at Adelphia, NJ.

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Spring Green-up <sup>2</sup> April 2003	Leaf Spot <sup>3</sup> May 2003
		2002-2003 Avg.	2002 Avg.	2003 Avg.		
1	A94MH-94	6.2	6.4	6.0	4.3	6.0
2	Washington	6.2	6.0	6.3	6.3	5.3
3	SR 2284	6.1	6.3	6.0	5.3	6.7
4	109-9	6.1	5.7	6.5	6.7	6.7
5	Bariris	6.1	6.0	6.1	5.3	7.0
6	A96-745	6.0	6.3	5.6	5.3	6.7
7	H98-753	5.9	6.2	5.7	4.7	7.7
8	Unique	5.9	6.1	5.6	5.3	7.3
9	A99-2231	5.9	6.1	5.6	5.3	7.0
10	Absolute	5.9	5.3	6.4	3.3	8.3
11	Serene	5.8	6.4	5.2	6.0	4.7
12	A99-2487	5.8	6.0	5.7	5.0	7.3
13	H98-752	5.8	5.7	5.9	4.7	7.3
14	A98-1224	5.8	5.9	5.7	6.3	4.7
15	Jefferson	5.8	5.8	5.8	6.3	5.3
16	A99-2620	5.8	5.9	5.7	4.3	7.7
17	A96-1257	5.8	5.8	5.7	8.0	5.0
18	Avalanche	5.7	5.3	6.1	6.0	5.7
19	A99-2309	5.7	6.0	5.4	4.7	7.0
20	Showcase	5.7	5.9	5.5	5.0	7.0
21	A99-2483	5.7	5.8	5.5	5.0	7.3
22	A95-2007	5.7	5.9	5.5	5.3	5.3
23	A97-1446	5.7	5.6	5.7	5.3	7.3
24	A99-2674	5.7	5.9	5.4	4.7	7.3
25	A99-2412	5.6	6.0	5.3	5.0	7.0
26	95AN-10	5.6	5.7	5.6	7.0	5.0
27	A96-323	5.6	5.6	5.6	5.3	7.7
28	A97-288	5.6	5.7	5.6	3.0	7.0
29	H98-699	5.6	5.6	5.6	5.0	7.3
30	A99-2967	5.6	5.8	5.4	4.7	7.0
31	A99-2331	5.6	5.9	5.3	5.3	7.3
32	H98-768	5.6	5.8	5.3	5.0	7.3
33	A98-1033	5.6	5.4	5.7	5.7	6.7
34	H98-1075	5.6	5.8	5.3	4.7	7.0
35	Livingston	5.6	6.0	5.1	6.0	5.3

(Continued)

Table 9 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Spring Green-up <sup>2</sup> April 2003	Leaf Spot <sup>3</sup> May 2003
		2002-2003 Avg.	2002 Avg.	2003 Avg.		
36	H98-46	5.5	5.8	5.3	4.7	6.7
37	PST C-74	5.5	5.6	5.4	5.0	7.3
38	A99-2072	5.5	5.5	5.5	5.0	7.0
39	Fairfax	5.5	5.7	5.3	4.3	5.3
40	H94-288	5.5	5.8	5.2	4.7	7.0
41	H94-321	5.5	6.0	4.9	8.0	5.0
42	Baritone	5.4	5.4	5.5	4.3	6.0
43	Boutique	5.4	5.6	5.2	5.7	7.7
44	Y2K-30	5.4	5.2	5.6	6.0	6.0
45	A99-2235	5.4	5.9	4.8	4.7	5.3
46	H98-757	5.4	5.6	5.1	4.7	7.3
47	A99-2975	5.4	5.6	5.1	5.3	7.0
48	A99-2481	5.3	5.7	5.0	4.3	6.0
49	A98-27	5.3	5.8	4.8	4.7	7.7
50	A98-290	5.3	5.2	5.5	4.3	7.3
51	Cannon	5.3	5.4	5.3	3.7	5.0
52	Midnight II	5.3	5.0	5.7	2.0	7.0
53	A98-365	5.3	5.2	5.4	4.0	6.3
54	H98-711	5.3	5.2	5.5	4.7	7.0
55	A97-1350	5.3	5.4	5.2	4.3	7.7
56	Lakeshore	5.3	5.2	5.4	5.3	6.7
57	A99-2467	5.3	5.5	5.1	4.3	6.7
58	A98-868	5.3	4.9	5.7	5.7	6.7
59	A99-3123	5.3	5.0	5.5	6.0	7.3
60	A99-2122	5.2	5.5	5.0	4.7	6.7
61	A99-2377	5.2	5.7	4.8	5.3	6.7
62	A98-516	5.2	5.1	5.3	5.3	7.0
63	A97-1560	5.2	5.6	4.9	5.3	6.7
64	SRX 2554	5.2	4.0	6.4	2.7	8.7
65	Optigreen	5.2	5.5	5.0	4.7	5.0
66	Midnight	5.2	4.8	5.6	2.3	6.3
67	A98-890	5.2	5.1	5.3	6.3	5.7
68	Odyssey	5.2	5.5	4.9	2.3	6.7
69	H98-758	5.2	5.3	5.1	4.7	7.3
70	A98-877	5.2	5.1	5.3	5.3	6.7

(Continued)

Table 9 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Spring Green-up <sup>2</sup> April 2003	Leaf Spot <sup>3</sup> May 2003
		2002-2003 Avg.	2002 Avg.	2003 Avg.		
71	H98-754	5.2	5.4	4.9	4.7	7.3
72	H98-727	5.2	5.4	5.0	4.7	6.7
73	H97-696	5.2	5.0	5.3	2.3	6.3
74	H98-1072	5.2	5.2	5.1	4.0	6.7
75	Bordeaux	5.2	5.8	4.5	5.7	6.3
76	A99-2208	5.2	5.3	5.0	4.3	7.3
77	Blackstone	5.2	4.9	5.4	6.0	4.3
78	A98-713	5.2	5.3	5.0	4.0	6.0
79	H98-684	5.1	5.3	4.9	4.7	7.7
80	Rita	5.1	5.5	4.8	6.0	6.0
81	A99-2677	5.1	5.4	4.9	3.7	7.0
82	H97-297	5.1	5.3	4.9	5.7	4.7
83	Nuglade	5.1	4.7	5.5	2.3	6.7
84	Baronette	5.1	5.3	4.8	6.0	6.3
85	A99-2213	5.1	5.5	4.7	5.0	7.0
86	Clearwater	5.1	5.1	5.0	4.7	5.0
87	America	5.1	5.1	5.0	5.0	6.7
88	H98-701	5.1	5.3	4.8	4.3	6.3
89	OOAN-64	5.1	5.6	4.5	5.7	6.3
90	A98-1028	5.1	5.0	5.1	5.0	6.0
91	A99-3122	5.0	5.1	4.9	4.7	7.0
92	A98-879	5.0	4.9	5.2	5.7	6.0
93	Sonoma	5.0	5.2	4.8	4.7	6.3
94	Arrow	5.0	4.8	5.2	4.7	7.0
95	A99-2257	5.0	5.2	4.8	5.0	6.7
96	A98-233	5.0	4.8	5.2	5.0	7.3
97	A98-344	5.0	5.7	4.3	5.3	5.3
98	SRX 2394	5.0	4.7	5.3	5.0	7.0
99	Chicago	5.0	4.4	5.6	3.0	7.7
100	Arrow	5.0	5.2	4.7	9.0	5.0
101	A98-962	4.9	4.4	5.4	6.0	6.7
102	Tx 2961-5 (TB x KB hybrid <sup>4</sup> )	4.9	5.1	4.7	6.0	4.7
103	Y2K-169	4.9	4.7	5.1	4.0	8.0
104	A98-328	4.9	5.7	4.1	7.0	6.0
105	Cynthia	4.9	5.2	4.5	4.0	4.7

(Continued)

Table 9 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Spring Green-up <sup>2</sup> April 2003	Leaf Spot <sup>3</sup> May 2003
		2002-2003 Avg.	2002 Avg.	2003 Avg.		
106	Arcadia	4.9	4.7	5.0	2.3	6.3
107	SRX 27753	4.8	4.5	5.1	3.7	6.3
108	Atlantis	4.8	5.1	4.5	3.7	4.7
109	Baronie	4.8	5.5	4.2	5.7	5.7
110	A99-2031	4.8	5.2	4.4	5.3	5.0
111	Rugby	4.8	4.7	4.9	3.0	6.3
112	A97-890	4.8	4.6	5.0	6.0	6.3
113	Blue Chip	4.8	4.7	4.8	3.3	5.3
114	A99-316	4.7	5.3	4.2	7.0	4.0
115	A99-331	4.7	4.8	4.6	6.3	4.7
116	A99-2168	4.7	4.7	4.7	5.7	7.0
117	A96-714	4.7	5.1	4.3	4.7	7.3
118	Champagne	4.7	5.0	4.3	6.7	5.7
119	A97-850	4.7	4.9	4.4	6.3	5.7
120	Liberator	4.6	4.4	4.8	1.7	7.0
121	A98-1077	4.6	5.0	4.2	6.0	5.7
122	Rambo	4.6	5.2	4.0	6.3	4.3
123	A99-324	4.6	4.8	4.3	6.7	4.7
124	A97-458	4.6	5.0	4.2	8.0	4.7
125	Blue Moon	4.6	4.1	5.0	2.3	5.3
126	NorthStar	4.6	3.5	5.6	2.0	7.7
127	DLF T-101	4.6	3.7	5.4	2.3	7.3
128	Eagleton	4.5	4.8	4.2	4.7	4.0
129	A99-2933	4.5	4.7	4.3	4.0	7.3
130	A99-3111	4.5	5.0	4.0	4.7	5.7
131	Bluestone	4.5	4.4	4.6	2.3	6.0
132	A98-363	4.5	5.2	3.7	6.7	6.0
133	Freedom II	4.5	4.3	4.7	3.3	6.3
134	Caliber	4.4	5.0	3.9	7.7	4.0
135	Eclipse	4.4	3.9	4.9	2.0	5.3
136	Parade	4.4	5.1	3.7	4.7	5.3
137	A99LM-15 (TB x KB hybrid)	4.3	4.8	3.8	8.3	4.3
138	Y2K-59	4.3	4.6	4.0	5.0	7.0
139	OOAN-127	4.3	4.5	4.1	7.3	4.3
140	Baron	4.3	4.3	4.3	3.3	5.0

(Continued)



Table 9 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Spring Green-up <sup>2</sup> April 2003	Leaf Spot <sup>3</sup> May 2003
		2002-2003 Avg.	2002 Avg.	2003 Avg.		
141	Nublu	4.3	4.6	3.9	4.3	6.0
142	A6-20	4.3	4.2	4.3	3.3	6.7
143	Cabernet	4.2	4.4	4.1	6.3	3.3
144	RSP	4.2	4.9	3.5	6.0	1.3
145	A0-242	4.1	4.6	3.6	6.0	5.0
146	OOAN-353	4.1	4.6	3.5	5.0	5.7
147	A99-2998	4.0	4.2	3.9	4.3	6.7
148	109-320	4.0	4.1	4.0	3.7	5.7
149	A96-1201	4.0	5.2	2.7	6.3	3.0
150	OOAN-219	4.0	4.6	3.3	6.3	2.7
151	Y2K-21	4.0	3.8	4.1	5.0	5.0
152	Y2K-31	3.9	4.0	3.7	4.0	6.0
153	Y2K-34	3.9	4.0	3.7	4.0	7.0
154	Y2K-136	3.8	3.9	3.7	4.0	6.0
155	OOAN-300	3.8	5.0	2.5	5.7	1.7
156	A99LM-16 (TB x KB hybrid)	3.8	3.8	3.7	2.0	4.0
157	Award	3.8	4.5	3.0	8.3	2.3
158	PP 23573	3.7	4.3	3.2	6.7	3.7
159	OOAN-117	3.6	3.7	3.5	6.3	3.3
160	Nassau	3.6	4.3	2.9	8.0	3.7
161	OOAN-45	3.5	4.4	2.6	5.3	4.0
162	DLF T-102	3.5	2.6	4.4	3.3	6.3
163	Y2K-75	3.5	3.8	3.1	4.0	6.0
164	OOAN-258	3.4	3.6	3.2	4.0	5.7
165	OOAN-235	3.4	3.7	3.0	4.7	5.7
166	A0-37	3.3	2.9	3.6	4.0	6.0
167	Y2K-138	3.2	3.7	2.7	3.0	6.0
168	OOAN-51	3.2	3.6	2.7	4.7	4.3
169	SR 2100	3.1	3.2	3.1	4.3	5.0
170	OOAN-329	3.1	3.4	2.8	4.3	4.7
171	OOAN-50	3.1	3.1	3.0	4.7	5.0
172	Y2K-5	3.1	2.8	3.3	2.0	7.0
173	OOAN-277	3.0	3.5	2.5	2.7	3.7
174	OOAN-157	3.0	2.9	3.1	3.7	5.7
175	Y2K-74	3.0	3.0	3.0	3.0	6.0

(Continued)

Table 9 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Spring Green-up <sup>2</sup> April 2003	Leaf Spot <sup>3</sup> May 2003
		2002- 2003 Avg.	2002 Avg.	2003 Avg.		
176	OOAN-130	2.9	2.5	3.4	4.7	4.3
177	C8-1-108-74-01	2.9	3.6	2.2	4.3	2.0
178	Y2K-111	2.9	3.4	2.4	4.0	5.0
179	Y2K-132	2.9	3.3	2.4	5.0	5.0
180	Y2K-187	2.8	3.0	2.6	5.0	4.0
181	Y2K-186	2.7	3.0	2.4	2.0	6.0
182	Y2K-27	2.6	2.2	3.0	5.0	5.0
183	01-OR-KBG	2.5	2.0	3.1	2.0	5.7
184	Y2K-122	2.5	2.6	2.4	1.0	6.0
185	A0-36	2.4	2.4	2.4	6.0	4.0
186	Y2K-123	2.4	2.4	2.3	2.0	5.0
187	OOAN-229	2.3	2.2	2.4	2.3	5.7
188	Y2K-63	2.3	2.2	2.4	2.0	5.0
189	OOAN-13	2.3	2.5	2.1	3.7	4.3
190	Y2K-108	2.3	2.4	2.1	2.0	6.0
191	Y2K-85	2.2	1.8	2.6	2.0	5.0
192	Y2K-117	2.2	2.2	2.1	2.0	5.0
193	Y2K-65	2.1	1.8	2.4	4.0	6.0
194	Y2K-92	2.1	2.2	2.0	6.0	3.0
195	OOAN-245	2.1	1.8	2.3	5.0	5.5
196	Reveille (TB x KB hybrid)	2.1	2.2	1.9	5.0	4.0
197	Y2K-97	2.1	2.1	2.0	3.0	5.0
198	Y2K-100	2.1	2.2	1.9	6.0	3.0
199	Y2K-84	1.9	1.6	2.1	5.0	6.0
200	OOAN-233	1.7	1.5	1.9	.	5.0
201	A0-34	1.6	1.3	1.9	.	5.0
	LSD at 5% =	0.6	0.7	0.8	1.3	1.1

<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 10. Performance of Kentucky bluegrass cultivars and selections in a turf trial established in August 2002 at North Brunswick, NJ.

	Cultivar or Selection	Turf Quality <sup>1</sup> 2003 Avg.	Establishment <sup>2</sup> Sept. 2003	Leaf Spot <sup>3</sup> June 2003
1	H98-753	6.4	7.0	7.3
2	A99-2041	6.4	6.3	7.7
3	A99-3119	6.4	7.7	7.3
4	H98-30	6.4	8.0	6.3
5	A99-523	6.3	7.3	7.7
6	A99-2993	6.3	7.7	7.0
7	A99-2670	6.2	7.3	7.3
8	A99-2674	6.2	7.3	7.3
9	A99-269	6.2	7.3	7.0
10	A99-2678	6.2	6.7	8.0
11	A98-304	6.2	7.7	7.0
12	A97-1586	6.1	7.0	7.0
13	A99-2620	6.1	6.7	7.7
14	LTP-2949	6.1	6.0	8.3
15	H94-707	6.1	7.7	5.3
16	Washington	6.1	7.0	3.7
17	A97-1412	6.1	7.3	7.0
18	A99-2705	6.1	8.0	7.0
19	A94-682	6.0	7.7	5.3
20	Mystique	6.0	7.3	7.7
21	A99-3117	6.0	7.7	6.3
22	PST- C-74	6.0	7.3	7.0
23	A99-2573	5.9	7.0	6.0
24	A98-969	5.9	7.7	4.7
25	A97-1287	5.9	6.7	6.7
26	Bedazzled	5.9	7.7	7.0
27	H97-473	5.8	7.7	7.3
28	PST H92-203	5.8	7.7	6.0
29	A97-1436	5.8	7.0	6.7
30	A00-891	5.8	6.3	7.3
31	Mystere	5.8	7.3	8.0
32	Royce	5.8	7.3	6.3
33	Rhythm	5.7	8.0	8.3
34	H98-767	5.7	7.0	6.7
35	H99-1523	5.7	6.3	7.0

(Continued)

Table 10 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2003 Avg.	Establishment <sup>2</sup> Sept. 2003	Leaf Spot <sup>3</sup> June 2003
36	A99-2904	5.7	7.0	7.3
37	A99-2897	5.7	7.0	7.7
38	Landmark	5.7	8.7	3.7
39	A98-296	5.7	7.7	7.3
40	A96-425	5.7	6.7	6.0
41	A99-2723	5.6	6.7	7.3
42	A99-2927	5.6	7.3	7.0
43	A98-290	5.6	7.7	6.7
44	A99-2964	5.6	6.7	9.0
45	A99LM-15 (TB x KB hybrid <sup>4</sup> )	5.6	6.0	4.7
46	A99-2950	5.5	6.7	5.7
47	A98-869	5.5	7.3	4.7
48	A99-2783	5.4	6.0	6.7
49	A99-2235	5.4	7.7	7.0
50	Limousine	5.4	7.7	5.3
51	H98-1087	5.4	6.7	7.3
52	A96-368	5.3	8.0	6.7
53	Sonic	5.3	8.7	2.7
54	Brooklawn	5.3	8.0	4.3
55	A97-882	5.3	7.7	3.7
56	A99-2108	5.3	6.3	6.0
57	Hunnington	5.3	6.3	5.3
58	A98-1033	5.2	8.0	5.0
59	H99-163	5.2	7.3	4.7
60	A98-737	5.2	4.3	7.0
61	A99-2342	5.2	6.7	7.0
62	A98-365	5.2	6.3	6.3
63	1052 Z	5.2	6.7	7.3
64	Cabernet	5.2	6.3	4.3
65	A00-1586	5.2	7.0	4.3
66	Princeton P-105	5.2	3.7	5.3
67	H2-31	5.2	5.0	6.0
68	A99-712	5.1	8.3	2.0
69	Brooklawn	5.1	7.3	4.3
70	A96-357	5.1	5.7	8.3

(Continued)

Table 10 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2003 Avg.	Establishment <sup>2</sup> Sept. 2003	Leaf Spot <sup>3</sup> June 2003
71	Lakeshore	5.1	8.3	4.0
72	H99-1740	5.0	7.0	2.7
73	A95-1087	5.0	6.0	8.7
74	A96-1353	5.0	8.0	5.3
75	A99-2609	5.0	5.7	6.3
76	H97-696	4.9	7.0	6.7
77	SCR-320	4.9	7.3	4.7
78	H99-164	4.9	8.0	3.7
79	A95-1048	4.9	7.7	5.7
80	B5-144	4.9	7.7	4.0
81	Advocate	4.9	7.7	4.3
82	A97-884	4.8	6.7	3.7
83	A97-959	4.8	7.3	3.7
84	A99-707	4.8	5.7	1.3
85	A96-726	4.7	6.7	5.0
86	Brunswick	4.7	6.7	3.3
87	Champlain	4.7	5.0	4.0
88	A93-201	4.7	7.3	4.3
89	A95-51	4.6	8.3	4.0
90	PST-222	4.6	7.3	8.0
91	A99-3108	4.6	6.3	8.0
92	Bordeaux	4.5	7.0	6.3
93	A99-2427	4.5	6.3	7.0
94	Blue Ridge	4.5	7.7	7.7
95	A98-1403	4.5	4.3	5.3
96	A99-3110	4.4	6.3	6.7
97	Boutique	4.3	7.3	7.0
98	Dragon	4.1	8.3	3.3
99	Champagne	4.1	7.7	3.7
100	A98-475	4.0	3.3	5.0
101	America	3.8	6.3	5.3
102	A99-486	3.8	6.0	6.3
103	A98-139	3.6	7.7	2.0
104	H02- 160 (TB x KB hybrid)	3.4	6.0	4.0
105	A01-874 (TB x KB hybrid)	2.7	4.0	4.0

(Continued)

Table 10 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2003 Avg.	Establishment <sup>2</sup> Sept. 2003	Leaf Spot <sup>3</sup> June 2003
106	Reveille (TB x KB hybrid)	1.7	2.7	2.0
	LSD at 5% =	0.8	1.2	1.3

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

<sup>2</sup>9 = quickest establishment

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

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

Table 11. Performance of Kentucky bluegrass cultivars and selections in a turf trial established in August 2002 at Adelphia, NJ.

	Cultivar or Selection	Turf Quality <sup>1</sup> 2003 Avg.	Establishment <sup>2</sup> Sept. 2002	Stem Rust <sup>3</sup> Oct. 2002	Spring Green-up <sup>4</sup> March 2003	Leaf Spot <sup>3</sup> May 2003
1	LTP-2949	6.3	6.0	6.0	5.3	8.0
2	H98-30	6.3	5.7	5.3	5.0	6.7
3	Langara	6.3	7.0	6.3	5.0	5.7
4	A95-1048	6.2	7.0	7.3	5.3	6.0
5	A94-MH94	6.2	7.3	8.3	2.7	5.0
6	H94-707	6.1	7.0	7.0	4.0	5.7
7	A97-284	6.1	5.3	5.3	4.7	8.0
8	Hallmark	6.1	7.3	4.7	5.7	6.3
9	Unique	5.9	7.3	6.3	4.3	6.0
10	Serene	5.9	6.7	5.0	5.3	7.0
11	A97-1409	5.9	5.7	5.7	4.7	8.0
12	A99-2674	5.8	6.7	6.0	4.7	5.3
13	A97-1412	5.8	6.3	6.0	5.0	6.0
14	A99-2235	5.8	6.7	5.7	5.0	5.7
15	Mystere	5.8	7.0	6.0	4.7	5.7
16	Moonshadow	5.8	5.3	6.0	4.7	7.0
17	H98-711	5.8	7.7	5.7	4.7	5.3
18	SR 2284	5.8	7.0	4.7	5.7	6.7
19	Brilliant	5.8	8.3	4.7	4.7	6.0
20	A99-2993	5.7	7.0	6.0	4.7	6.0
21	Mystique	5.7	7.0	5.3	4.3	6.0
22	A99-3119	5.7	6.0	5.0	4.7	6.7
23	H98-768	5.7	7.0	5.3	4.7	5.7
24	A99-523	5.7	6.3	6.0	4.7	6.0
25	A99-2723	5.7	7.0	5.3	4.3	6.3
26	A99-2231	5.7	7.0	5.3	5.3	6.7
27	OAN-31	5.7	6.3	9.0	3.3	4.0
28	H98-46	5.7	6.3	6.0	5.0	5.3
29	A97-1530	5.6	6.7	5.7	4.7	6.0
30	SRX 26351	5.6	7.7	6.0	4.7	7.3
31	A97-1436	5.6	5.7	5.0	5.0	7.7
32	A98-304	5.6	7.3	5.7	4.7	6.0
33	A96-368	5.6	6.7	5.3	5.0	7.0
34	Mercury	5.6	5.7	9.0	2.7	4.0
35	A99-3117	5.5	6.3	5.3	5.0	6.0

(Continued)

Table 11 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2003 Avg.	Establishment <sup>2</sup> Sept. 2002	Stem Rust <sup>3</sup> Oct. 2002	Spring Green-up <sup>4</sup> March 2003	Leaf Spot <sup>3</sup> May 2003
36	A99-2904	5.5	5.7	5.7	4.7	5.7
37	A95-1087	5.5	4.3	8.0	5.0	8.0
38	A99-269	5.5	6.3	5.7	4.7	6.0
39	PST H92-203	5.5	8.3	6.0	4.0	5.3
40	A98-296	5.4	7.0	5.7	5.0	6.7
41	H99-1523	5.4	5.3	5.0	4.7	6.3
42	SRX 2554	5.4	6.7	4.0	3.7	7.7
43	Bedazzled	5.4	6.7	4.7	5.0	8.3
44	H98-753	5.4	5.7	5.3	4.7	6.0
45	A99-2620	5.4	7.3	5.7	4.0	5.3
46	Showcase	5.4	7.3	4.7	5.0	6.0
47	H98-1087	5.4	5.3	5.0	4.7	5.7
48	H97-473	5.4	6.7	5.7	4.0	5.0
49	Avalanche	5.4	5.3	6.0	5.7	5.3
50	Royce	5.4	7.0	5.0	4.7	6.0
51	A99-2670	5.3	6.3	5.3	4.7	6.0
52	A99-2897	5.3	5.7	5.3	5.3	8.0
53	Moonlight	5.3	8.0	4.0	5.3	6.0
54	OAN-300	5.3	6.0	9.0	2.7	2.7
55	PST- C-74	5.3	5.7	5.7	5.3	6.3
56	Arrow	5.3	6.7	4.7	5.0	7.0
57	A99-2927	5.3	7.0	5.3	4.3	6.3
58	A99-3108	5.3	4.7	5.0	4.7	8.0
59	A99-2108	5.2	6.0	3.7	5.7	6.7
60	A99-2678	5.2	5.3	5.7	4.7	6.0
61	A97-1586	5.2	5.7	5.3	4.7	6.3
62	A00-891	5.2	5.3	4.7	5.3	6.7
63	A99-2342	5.2	6.0	4.7	4.7	8.0
64	Wildwood	5.2	7.3	4.0	5.0	6.3
65	A99-2168	5.2	5.7	3.7	5.3	6.7
66	Perfection	5.2	6.7	1.3	3.7	8.3
67	Advocate	5.2	6.0	5.3	4.7	7.0
68	A96-425	5.2	5.7	4.7	5.3	6.7
69	A98-305	5.2	5.7	4.0	4.7	6.0
70	Midnight	5.2	6.7	2.0	4.0	7.7

(Continued)



Table 11 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2003 Avg.	Establishment <sup>2</sup> Sept. 2002	Stem Rust <sup>3</sup> Oct. 2002	Spring Green-up <sup>4</sup> March 2003	Leaf Spot <sup>3</sup> May 2003
71	A00-1586	5.1	6.0	6.3	6.0	6.0
72	H98-767	5.1	5.7	5.0	4.7	6.0
73	Odyssey	5.1	7.7	1.3	4.3	6.7
74	Landmark	5.1	9.0	6.7	5.3	4.7
75	A98-290	5.0	4.7	5.0	4.7	8.3
76	Alpine	5.0	7.0	3.7	3.0	6.3
77	99AN-39	5.0	5.7	8.3	3.0	5.3
78	A97-1330	5.0	7.0	4.3	4.7	6.0
79	A98-1403	5.0	5.7	3.7	5.0	6.0
80	A98-475	5.0	4.7	5.7	5.0	7.0
81	Excursion	5.0	6.7	1.3	4.0	7.3
82	Bariris	5.0	6.3	4.0	2.7	6.7
83	A98-365	5.0	6.0	4.3	5.0	5.3
84	Mallard	5.0	6.0	3.7	4.0	8.0
85	A96-468	4.9	6.3	3.3	4.7	7.3
86	A99-707	4.9	5.3	9.0	6.7	2.3
87	Washington	4.9	4.7	5.0	5.7	5.3
88	Arcadia	4.9	6.3	1.0	4.3	8.0
89	Baronie	4.9	6.7	5.7	5.7	5.3
90	A98-1033	4.9	6.3	3.7	6.0	5.3
91	PST-222	4.9	5.3	3.7	5.0	8.0
92	A98-2128	4.9	5.0	3.7	3.7	7.3
93	BMX 02 0337	4.9	4.7	3.0	5.0	8.0
94	A99-712	4.8	7.3	8.3	4.3	2.7
95	Lakeshore	4.8	6.7	3.3	6.0	5.3
96	SRX 205	4.8	7.7	5.3	4.0	5.7
97	Bordeaux	4.8	7.0	2.3	5.3	7.0
98	A99-2950	4.8	5.3	3.7	5.3	6.3
99	Glenmont	4.8	6.3	3.0	4.3	8.0
100	SRX-2114	4.8	4.0	3.0	4.7	7.7
101	A95-51	4.8	6.3	4.0	5.7	4.3
102	A98-869	4.8	5.7	4.0	5.3	4.7
103	America	4.8	6.7	3.3	3.7	6.3
104	Dragon	4.8	7.7	5.3	5.3	4.7
105	Baritone	4.7	7.3	3.7	2.0	6.7

(Continued)

Table 11 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2003 Avg.	Establishment <sup>2</sup> Sept. 2002	Stem Rust <sup>3</sup> Oct. 2002	Spring Green-up <sup>4</sup> March 2003	Leaf Spot <sup>3</sup> May 2003
106	A99-2573	4.7	6.0	2.3	5.7	5.3
107	A98-737	4.7	5.0	2.7	4.0	7.3
108	A96-1353	4.7	6.0	3.0	5.3	6.3
109	A98-969	4.7	5.3	4.0	6.0	5.7
110	Blackstone	4.7	7.0	2.7	5.0	6.3
111	A01-845 (TB x KB hybrid <sup>5</sup> )	4.7	4.3	7.3	5.3	5.3
112	A96-357	4.6	4.0	4.7	4.3	6.3
113	A98-518	4.6	5.7	4.0	4.7	6.3
114	OAN-211	4.6	4.7	6.3	4.7	4.3
115	Baronette	4.6	5.7	5.3	5.0	5.7
116	North Star	4.6	6.0	1.7	1.0	7.7
117	Champagne	4.6	7.3	3.3	6.0	5.0
118	SCR-320	4.6	6.7	4.3	3.7	5.0
119	H99-164	4.5	6.3	3.0	5.7	6.0
120	A99-2964	4.5	5.0	4.0	4.3	7.7
121	H97-696	4.5	6.0	2.0	3.7	7.7
122	A99-354	4.5	6.0	5.0	6.0	4.7
123	Boutique	4.5	7.0	2.7	4.3	8.0
124	A99-2783	4.5	4.7	3.0	4.7	7.3
125	A97-904	4.5	6.0	3.0	6.0	5.7
126	Princeton P-105	4.5	2.3	5.7	4.3	6.0
127	A99-2609	4.5	3.7	6.0	4.7	7.7
128	Parade	4.5	4.0	4.7	5.0	6.3
129	A96-305	4.5	4.0	7.7	4.7	5.3
130	Cabernet	4.5	6.0	2.3	5.7	4.7
131	Brooklawn	4.5	6.3	2.7	5.3	5.3
132	Rhythm	4.4	6.7	1.0	3.7	8.0
133	A97-1287	4.4	4.0	4.3	5.0	7.0
134	SR 2394	4.4	6.0	2.0	4.3	8.3
135	A96-423	4.4	5.3	3.3	5.0	7.0
136	Livingston	4.4	6.3	5.3	5.0	4.7
137	H99-163	4.4	6.3	3.3	5.7	5.3
138	Shamrock	4.4	6.7	3.3	6.0	5.3
139	OAN-64	4.4	4.7	4.7	5.0	5.3
140	A97-959	4.4	5.7	1.7	5.0	5.7

(Continued)

Table 11 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2003 Avg.	Establishment <sup>2</sup> Sept. 2002	Stem Rust <sup>3</sup> Oct. 2002	Spring Green-up <sup>4</sup> March 2003	Leaf Spot <sup>3</sup> May 2003
141	PPH 6370	4.4	6.3	3.0	3.7	5.7
142	OAN-358	4.4	3.3	6.3	4.7	5.7
143	CIS-KFLO	4.4	5.3	5.3	5.0	7.0
144	A01-844 (TB x KB hybrid)	4.4	4.7	6.7	4.7	4.3
145	SRX 20RF	4.3	5.7	4.3	3.7	5.7
146	Blacksburg	4.3	7.0	4.3	5.7	4.7
147	OAN-285	4.3	4.7	4.0	4.3	5.7
148	A98-869	4.3	5.3	2.7	5.0	5.0
149	A97-884	4.3	6.0	2.3	5.3	6.0
150	Rampart	4.3	5.3	3.3	1.7	7.3
151	Touchdown	4.3	6.0	3.7	5.7	5.0
152	A97-882	4.2	7.0	2.7	6.0	5.0
153	A96-415	4.2	3.3	5.3	4.7	7.7
154	A93-201	4.2	6.0	3.0	6.0	5.3
155	A01-874 (TB x KB hybrid)	4.2	5.0	6.3	5.0	4.3
156	Midnight II	4.2	4.0	2.7	4.0	7.3
157	OAN-125	4.2	2.0	7.3	5.0	5.0
158	B5-144	4.2	6.3	3.3	4.3	5.0
159	Pick 453	4.1	5.3	3.3	1.7	6.7
160	A00-57	4.1	4.3	4.7	4.7	4.3
161	Champlain	4.1	2.7	5.7	4.7	6.7
162	A99-3110	4.1	4.0	4.7	4.7	6.7
163	Cynthia	4.1	7.0	2.3	3.0	5.3
164	Canon	4.1	6.7	2.3	4.0	6.0
165	A94-976	4.1	6.3	4.3	5.7	5.3
166	A97-890	4.1	4.3	3.0	5.3	5.7
167	A99-2427	4.1	5.3	3.0	4.7	7.0
168	A96-726	4.1	4.7	3.0	4.3	6.0
169	A99-2041	4.1	2.7	4.0	3.0	7.3
170	Brooklawn	4.1	6.0	2.7	5.3	5.3
171	Blue Ridge	4.1	7.3	1.7	3.7	8.0
172	A99-486	4.0	3.7	3.0	4.7	7.3
173	Brunswick	4.0	3.7	6.0	6.0	5.3
174	OAN-308	4.0	5.7	3.7	4.7	4.3
175	DZ-1058	4.0	5.0	6.0	6.0	3.0

(Continued)

Table 11 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2003 Avg.	Establishment <sup>2</sup> Sept. 2002	Stem Rust <sup>3</sup> Oct. 2002	Spring Green-up <sup>4</sup> March 2003	Leaf Spot <sup>3</sup> May 2003
176	Fairfax	4.0	6.0	3.0	4.3	5.0
177	OAN-174	4.0	4.3	2.7	4.3	6.3
178	SRX 2U17	4.0	5.7	3.0	3.7	5.3
179	SRX 2205	4.0	5.3	1.3	3.3	6.7
180	99-216	4.0	5.7	2.7	5.0	5.7
181	Pick 1343	3.9	5.7	5.0	4.3	5.3
182	Sonic	3.9	7.3	8.7	3.3	1.3
183	OAN-304	3.9	4.0	4.0	5.7	4.7
184	Limousine	3.9	7.3	2.0	2.3	5.7
185	Explorer	3.9	6.0	1.3	3.3	7.3
186	A99LM-16 (TB x KB hybrid)	3.9	5.3	2.7	3.0	5.7
187	A00TB-99 (TB x KB hybrid)	3.8	1.7	6.7	4.7	5.3
188	Barrister	3.7	7.3	2.7	3.0	7.3
189	Muddy Pk	3.7	6.7	6.3	5.7	2.0
190	A96-451	3.7	4.3	3.7	4.3	7.0
191	Hunnington	3.7	3.7	3.0	4.0	5.3
192	RSP	3.7	5.3	2.7	6.0	4.3
193	SRX 27921	3.5	6.0	1.0	3.0	5.7
194	A01-900 (TB x KB hybrid)	3.5	3.7	7.0	4.7	3.7
195	SR 2100	3.4	3.3	3.3	4.0	5.7
196	H2-31	3.4	3.0	4.0	4.0	5.7
197	A98-139	3.4	7.3	4.3	5.7	2.7
198	A00TB-63 (TB x KB hybrid)	3.3	3.7	2.3	3.0	6.3
199	OAN-379	3.3	1.7	5.7	4.3	6.0
200	A99LM-15 (TB x KB hybrid)	3.3	3.3	4.0	3.7	5.0
201	Revielle (TB xKB hybrid)	3.3	3.7	6.7	5.0	2.7
202	99-226	3.0	4.3	3.0	3.7	4.7
203	99-126	3.0	7.3	3.7	5.0	6.0
204	Marquis	3.0	6.0	2.3	4.3	3.0
205	OAN-258	3.0	4.0	2.0	3.7	5.7
206	OAN-223	2.6	6.3	1.0	3.0	6.0
207	LF 303	1.9	2.3	3.7	3.3	5.3
	LSD at 5%=	0.6	1.0	1.4	0.9	1.0

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

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

	1999			2000			2001			2002			2003		
	N <sup>1</sup>	Ht <sup>2</sup>	N	Ht	N	Ht	N	Ht	N	Ht	N	Ht	N	Ht	
Table 1 (1998 Adelphia) .....	2.8	1.5	2.8	1.5	3.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
Table 2 (1988 Pittstown) .....	1.3	2.5	1.5	2.5	1.0	2.5	1.0	2.5	2.5	2.5	0.75	2.5	0.75	2.5	
Table 3 (1999 North Brunswick) .....			3.4	1.5	3.6	3.0-1.5 <sup>3</sup>	2.2	1.5	1.5	1.5	2.0	1.5	2.0	1.5	
Table 4 (1999 Adelphia) .....			3.8	1.5	3.5	1.5	3.8	1.5	1.5	1.5	3.0	1.5	3.0	1.5	
Table 5 (2000 North Brunswick) .....					5.0	3.0-1.5	4.4	0.75	0.75	0.75	4.5	0.75	4.5	0.75	
Table 6 (2000 August Adelphia) .....					3.4	1.5	3.8	1.5	1.5	1.5	3.4	1.5	3.4	1.5	
Table 7 (2000 September Adelphia) .....					3.4	1.5	3.8	1.5	1.5	1.5	3.4	1.5	3.4	1.5	
Table 8 (2001 North Brunswick) .....							2.2	1.5	1.5	2.0	2.0	1.5	2.0	1.5	
Table 9 (2001 Adelphia) .....							3.0	1.5	1.5	2.0	2.0	1.5	2.0	1.5	
Table 10 (2002 North Brunswick) .....										3.0	3.0	1.5	3.0	1.5	
Table 11 (2002 Adelphia) .....											4.4	1.5	4.4	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