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This publication includes lecture notes of papers presented at the 2004 New Jersey Turfgrass Expo. Publication of these lectures provides a readily available source of information covering a wide range of topics and includes technical and popular presentations of importance to the turfgrass industry.

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

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

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

Kentucky bluegrass topped the list of fairway grasses for northern golf courses in the early 1900s according to R. A. Oakley (1924). However, after fairway heights were reduced below 0.75 inch, Kentucky bluegrass was not competitive against invasion of annual bluegrass and was more susceptible to summer patch (Dernoeden, 1997). These liabilities, along with slow establishment rates, diminished the popularity of Kentucky bluegrasses for fairways, particularly as improved perennial ryegrasses (*Lolium perenne*) and creeping bentgrasses (*Agrostis stolonifera*) became available. The recent pandemics of gray leaf spot (caused by the fungus *Pyricularia grisea*), resulting in severe damage of perennial ryegrass fairways on golf courses, has renewed interest among some turf professionals in the use of Kentucky bluegrass for roughs and fairways. Novel methods of annual bluegrass control in Kentucky bluegrass turf stands are currently being investigated and could potentially increase the overall utility of this species in less than optimum environments. Kentucky bluegrasses are also being tested throughout the country for tolerance to traffic and low mowing heights

to determine which cultivars can tolerate current golf course fairway conditions.

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

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

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

Kentucky bluegrass can sometimes exhibit poor summer stress tolerance in the transition zone and southern United States, due not only to heat and drought stress, but also to insect and disease pressure. To improve the summer performance of Kentucky bluegrass and extend the use of this species into warmer climates, Rutgers is utilizing interspecific hybridization. Hybrids between Texas bluegrass (*Poa arachnifera* Torr.) and Kentucky bluegrass could potentially incorporate valuable traits from Texas bluegrass into Kentucky bluegrass. Texas bluegrass, native to Texas and parts of Oklahoma, is a dioecious species that is more tolerant of heat and drought stress conditions than Kentucky bluegrass. Texas bluegrass x Kentucky bluegrass crosses were made as early as 1908 by George H. Oliver who noticed a wide variation in first-generation hybrids, including plants that were more heat and drought tolerant and more productive than Kentucky bluegrass (Vinall and Hein, 1937). Hybrid evaluation for fertile, highly apomictic offspring with clean, easily threshed seed and improved turf performance is currently underway at Rutgers. This breeding strategy of crossing female Texas bluegrass plants with Kentucky bluegrass could expand the adaptation of Kentucky bluegrass into transition zone climatic areas where improved heat and drought tolerance is necessary.

The Kentucky bluegrass improvement program at Rutgers involves extensive field evaluation of collections from the United States, Europe, and Asia, new material developed in the breeding program, as well as cultivars and selections developed by other breeding programs. Recent collection trips to Poland, Bulgaria, China, Romania, Germany, Greece, Portugal, Finland, France, Spain, Switzerland, Italy, Croatia, Norway, the Slovak Republic, Uzbekistan, and

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

PROCEDURES

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

Entries in each test were sown by hand using a maximum of 15 g of seed per 3 X 5 ft plot (2.2 lb/1000 ft²). An unplanted 6-inch border was left around each plot. The test established at North Brunswick in 2000 (Table 3) was sown with 24 g of seed per 4 X 6 ft plot (2.2 lb/1000 ft²). 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 ft². Mowing was frequent enough (two or three times per week during active growth) to avoid excessive defoliation and the accumulation of clippings.

After establishment, summer annual weeds were controlled by a spring application of dithiopyr (Dimension), and broadleaf weeds were controlled by either a spring or autumn application of 2,4-D, MCPP, and dicamba. All trials received an application of imidacloprid (Merit) for grub control in late June or early July. Some trials received a late summer/early fall application of dithiopyr for annual bluegrass control (Tables 4, 7, and 9). Generally soil pH was maintained between 6.0 and 6.5 with agricultural limestone. Tests were irrigated during establishment and also when needed to avoid severe drought stress.

All tests were rated frequently throughout the growing season for turf quality (which is a subjective rating that includes attributes such as color, brightness, leaf texture, density, uniformity, and amount of damage due to diseases and insects). Other characteristics were evaluated on some tests when dif-

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

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

RESULTS

Turf Evaluation Trials

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SUMMARY

Kentucky bluegrass is grown for many uses under a diverse range of soil, environmental, and management conditions. As a result, there is a demand for cultivars that produce a durable, high quality turf for an assortment of uses under a broad range of conditions. Improved resistance to important diseases and insect pests, along with tolerance to heat, drought, close mowing, shade, and traffic are needed in cultivars that are expected to perform well in many situations. Blends of Kentucky bluegrass should be used

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

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

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

(Continued)

Table 1 (continued).

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

(Continued)

Table 1 (continued).

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

¹9 = best turf quality

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

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

(Continued)

Table 2 (continued).

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

(Continued)

Table 2 (continued).

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

(Continued)

Table 2 (continued).

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

(Continued)

Table 2 (continued).

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

¹9 = best turf quality²9 = earliest spring green-up³9 = least disease

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

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

COMPACT TYPE

(Continued)

Table 3 (continued).

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

(Continued)

Table 3 (continued).

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

(Continued)

Table 3 (continued).

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

(Continued)

Table 3 (continued).

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

(Continued)

Table 3 (continued).

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

(Continued)

Table 3 (continued).

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

(Continued)

Table 3 (continued).

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

OTHER TYPE (cont.)

(Continued)

Table 3 (continued).

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

(Continued)

Table 3 (continued).

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

(Continued)

Table 3 (continued).

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

¹9 = best turf quality
²9 = earliest spring green-up
³9 = darkest green color
⁴9 = most dense
⁵9 = finest leaf texture

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

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

COMPACT TYPE

Table 4 (continued).

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

(Continued)

Table 4 (continued).

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

(Continued)

Table 4 (continued).

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

(Continued)

Table 4 (continued).

| Cultivar or Selection | Turf Quality ¹ | | | | Winter Color ² Feb. 2004 | Spring Green-up ³ April 2004 | Seed Heads ⁴ May 2004 | Stripe Smut ⁵ May 2004 | Color ⁶ Nov. 2004 | Dollar Spot ⁶ 2004 Avg. |
|-------------------------------------|---------------------------|-----------|-----------|-----------|-------------------------------------|---|----------------------------------|-----------------------------------|------------------------------|------------------------------------|
| | 2001-2004 Avg. | 2001 Avg. | 2002 Avg. | 2003 Avg. | | | | | | |
| COMPACT-AMERICA TYPE (cont.) | | | | | | | | | | |
| 21 | PST C-74 | 5.3 | 5.6 | 5.1 | 5.2 | 5.3 | 4.0 | 9.0 | 4.0 | 8.0 |
| 22 | BAR Pp 0468 | 5.3 | 5.1 | 5.0 | 5.3 | 5.6 | 5.3 | 9.0 | 3.7 | 8.3 |
| 23 | PST-222 | 5.2 | 5.5 | 5.1 | 5.6 | 4.7 | 5.0 | 8.7 | 7.3 | 8.5 |
| 24 | Bordeaux | 5.2 | 5.3 | 4.8 | 5.4 | 5.4 | 5.3 | 9.0 | 6.3 | 8.2 |
| 25 | A98-2038 | 5.2 | 5.9 | 5.3 | 5.0 | 4.8 | 4.7 | 9.0 | 8.3 | 7.8 |
| 26 | Apollo | 5.2 | 5.2 | 5.0 | 5.2 | 5.4 | 5.0 | 7.3 | 4.0 | 8.3 |
| 27 | Arrow | 5.2 | 5.3 | 5.1 | 5.4 | 5.0 | 6.3 | 9.0 | 6.7 | 8.0 |
| 28 | Dynamo | 5.2 | 5.2 | 5.1 | 5.2 | 5.2 | 4.3 | 9.0 | 4.0 | 8.0 |
| 29 | PST-H6-150 | 5.2 | 5.6 | 4.8 | 5.2 | 5.1 | 4.3 | 7.0 | 3.7 | 8.2 |
| 30 | Showcase | 5.2 | 5.2 | 5.2 | 5.3 | 5.1 | 3.7 | 8.7 | 4.3 | 7.7 |
| 31 | Unique | 5.1 | 5.1 | 5.1 | 5.1 | 5.2 | 4.0 | 9.0 | 3.7 | 8.0 |
| 32 | A97-1560 | 5.1 | 5.5 | 5.1 | 5.0 | 4.8 | 4.0 | 8.7 | 4.0 | 7.7 |
| 33 | Glenmont | 5.1 | 5.2 | 4.6 | 5.5 | 5.0 | 5.0 | 9.0 | 3.3 | 8.8 |
| 34 | Brilliant | 5.0 | 5.5 | 4.8 | 5.0 | 4.8 | 3.7 | 8.3 | 2.7 | 8.0 |
| 35 | Mallard | 5.0 | 5.6 | 4.7 | 4.8 | 4.8 | 5.7 | 9.0 | 6.3 | 9.0 |
| 36 | BAR Pp 0566 | 4.8 | 4.7 | 4.9 | 4.8 | 4.9 | 6.3 | 9.0 | 6.7 | 8.7 |
| 37 | America | 4.8 | 5.1 | 4.9 | 4.8 | 4.3 | 4.0 | 8.3 | 3.7 | 8.3 |
| 38 | PST-604 | 4.2 | 4.7 | 4.1 | 4.3 | 3.7 | 3.0 | 9.0 | 6.0 | 7.0 |

(Continued)

Table 4 (continued).

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

(Continued)

Table 4 (continued).

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

(Continued)

Table 4 (continued).

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

(Continued)

Table 4 (continued).

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

(Continued)

Table 4 (continued).

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

OTHER TYPE (cont.)

(Continued)

Table 4 (continued).

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

(Continued)

Table 4 (continued).

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

(Continued)

Table 4 (continued).

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

(Continued)

Table 4 (continued).

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

(Continued)

Table 4 (continued).

| Cultivar or Selection | Turf Quality ¹ | | | Winter Color ² Feb. 2004 | Spring Green-up ³ April 2004 | Seed Heads ⁴ May 2004 | Stripe Smut ⁵ May 2004 | Color ⁶ Nov. 2004 | Dollar Spot ⁶ 2004 Avg. |
|-----------------------|---------------------------|-----------|-----------|-------------------------------------|---|----------------------------------|-----------------------------------|------------------------------|------------------------------------|
| | 2001-2004 Avg. | 2002 Avg. | 2003 Avg. | | | | | | |
| 116 SRX2U22 | 3.7 | 3.6 | 3.5 | 1.0 | 9.0 | 6.0 | 9.0 | 4.7 | 8.2 |
| 117 SCEC-183 | 3.7 | 2.8 | 3.5 | 4.0 | 8.3 | 6.7 | 7.3 | 4.3 | 8.2 |
| 118 DLF-76-9034 | 3.6 | 3.1 | 3.7 | 1.7 | 6.0 | 5.7 | 4.7 | 5.0 | 7.7 |
| 119 A97-857 | 3.6 | 3.5 | 3.4 | 3.3 | 5.7 | 6.7 | 6.3 | 4.3 | 6.7 |
| 120 99AN-88 | 3.5 | 3.7 | 3.2 | 3.0 | 4.3 | 4.0 | 8.0 | 6.3 | 7.3 |
| 121 99PH3-2 | 3.5 | 3.5 | 2.9 | 2.3 | 7.7 | 6.7 | 7.7 | 3.7 | 7.2 |
| 122 W-501-G5 | 3.4 | 3.5 | 3.8 | 1.3 | 6.3 | 5.0 | 8.0 | 4.0 | 7.3 |
| 123 K 995 | 3.4 | 3.3 | 3.7 | 2.7 | 4.0 | 4.0 | 8.3 | 6.5 | 6.0 |
| 124 99AN-16 | 3.4 | 3.2 | 3.2 | 3.3 | 4.3 | 4.7 | 5.7 | 6.0 | 6.5 |
| 125 W-202-A7 | 3.2 | 3.2 | 2.4 | 1.0 | 6.3 | 6.7 | 6.7 | 1.7 | 7.0 |
| 126 W 102A-K | 2.8 | 2.5 | 3.2 | 1.7 | 7.7 | 4.3 | 7.3 | 4.7 | 7.3 |
| 127 99AN-12 | 2.6 | 2.2 | 2.8 | 2.7 | 5.3 | 3.3 | 7.7 | 5.3 | 6.3 |
| LSD at 5% = | 0.6 | 0.7 | 0.7 | 0.9 | 1.4 | 2.1 | 1.6 | 1.3 | 1.7 |

OTHER TYPE (cont.)

¹9 = best turf quality
²9 = best winter color
³9 = earliest spring green-up
⁴9 = least seed heads visible in turf plot
⁵9 = least disease
⁶9 = darkest green color

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

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

(Continued)

Table 5 (continued).

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

(Continued)

Table 5 (continued).

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

¹9 = best turf quality

²9 = earliest spring green-up

³9 = least disease

⁴Texas x Kentucky bluegrass hybrid

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

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

(Continued)

Table 6 (continued).

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

(Continued)

Table 6 (continued).

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

(Continued)

Table 6 (continued).

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

¹9 = best turf quality

²9 = earliest spring green-up

³9 = least disease

⁴Texas x Kentucky bluegrass hybrid

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

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

(Continued)

Table 7 (continued).

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

(Continued)

Table 7 (continued).

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

(Continued)

Table 7 (continued).

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

(Continued)

Table 7 (continued).

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

(Continued)

Table 7 (continued).

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

¹9 = best turf quality²Texas x Kentucky bluegrass hybrid

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

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

(Continued)

Table 8 (continued).

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

(Continued)

Table 8 (continued).

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

(Continued)

Table 8 (continued).

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

(Continued)

Table 8 (continued).

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

¹9 = best turf quality²9 = best seedling establishment³9 = least disease⁴Texas x Kentucky bluegrass hybrid

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

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

(Continued)

Table 9 (continued).

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

(Continued)

Table 9 (continued).

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

(Continued)

Table 9 (continued).

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

(Continued)

Table 9 (continued).

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

(Continued)

Table 9 (continued).

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

(Continued)

Table 9 (continued).

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

(Continued)

Table 9 (continued).

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

¹9 = best turf quality²9 = best seedling establishment³9 = greatest vigor⁴9 = earliest spring green-up⁵9 = least disease⁶Texas x Kentucky bluegrass hybrid

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

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

(Continued)

Table 10 (continued).

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

(Continued)

Table 10 (continued).

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

¹9 = best turf quality

²9 = best seedling establishment

³9 = least disease

⁴9 = earliest spring green-up

⁵Texas x Kentucky bluegrass hybrid

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

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

¹9 = best turf quality

²9 = best seedling establishment

³9 = least disease

⁴9 = earliest spring green-up

⁵Kentucky bluegrass standard

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

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

¹ Annual N applied (lb/1000 ft²)

² Mowing height in inches

³ Mowed at 3 inches until September then lowered to 1.5 inches