

# 2001 RUTGERS Turfgrass Proceedings



THE NEW JERSEY TURFGRASS ASSOCIATION

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# **2001 RUTGERS TURFGRASS PROCEEDINGS**

**of the**

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The Rutgers Turfgrass Proceedings is published yearly by the Rutgers Center for Turfgrass Science, Rutgers Cooperative Extension, and the New Jersey Agricultural Experiment Station, Cook College, Rutgers, The State University of New Jersey in cooperation with the New Jersey Turfgrass Association. The purpose of this document is to provide a forum for the dissemination of information and the exchange of ideas and knowledge. The proceedings provide turfgrass managers, research scientists, extension specialists, and industry personnel with opportunities to communicate with co-workers. Through this forum, these professionals also reach a more general audience, which includes the public.

This publication includes lecture notes of papers presented at the 2001 New Jersey Turfgrass Expo. Publication of these lectures provides a readily available source of information covering a wide range of topics and includes technical and popular presentations of importance to the turfgrass industry.

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

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Dr. Ann Brooks Gould, Editor  
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## PERFORMANCE OF KENTUCKY BLUEGRASS CULTIVARS AND SELECTIONS IN NEW JERSEY TURF TRIALS

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Kentucky bluegrass (*Poa pratensis*) is the most widely used cool-season turfgrass in the United States. The popularity of Kentucky bluegrass is due to its ability to develop dense turfs of pleasing color and clean mowing quality in a wide range of soils and climates. Its extensive rhizome system provides excellent sod strength and the ability to recuperate after stress periods and fill in damaged areas quickly. Kentucky bluegrass is utilized on more than 35 million acres of pastures in the northeastern and northcentral United States, as well as large areas of Canada and Europe. Kentucky bluegrass is considered a premier lawn grass, contributing to the turf of over 40 million lawns throughout the subarctic, temperate, and subtropical (high altitude) climates of the United States.

There are three main uses of Kentucky bluegrass: forage, soil conservation, and specialized medium-high maintenance turf such as athletic fields, home lawns, or golf courses. Prior to the release of Merion in 1947, common Kentucky bluegrasses were the most prevalent type used for turf. The common type bluegrasses, predominately adapted to the Midwest region of the United States, are useful for soil conservation, pastures, and lower maintenance turf. This is due to their early maturity, moderately quick establishment, good stress tolerance, and the ability to survive dry summers in a dormant state. However, these common-type bluegrasses can suffer extensive turf loss from the fungal disease leaf spot and melting out (caused by *Drechslera poae*) under close mowing in humid environments. Merion Kentucky bluegrass, discovered by Joseph Valentine in the early 1930s, had better leaf spot resistance and greatly increased the usefulness of Kentucky bluegrass as a turf in regions with a humid, temperate climate. Turf-type Kentucky bluegrasses have a lower, more prostrate growth habit, respond well to higher maintenance

regimes, tolerate closer mowing, and have greater resistance to leaf spot diseases than common type bluegrasses.

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

Kentucky bluegrass can exhibit poor performance during summer months, especially in the transition zone and southern states due to heat and drought stress as well as insect and disease pressure. Currently, Rutgers has been utilizing interspecific hybridization for the development of Texas bluegrass (*Poa arachnifera* Torr.) x Kentucky bluegrass hybrids to try to incorporate valuable traits from Texas bluegrass into Kentucky bluegrass. Texas bluegrass, native to Texas and parts of Oklahoma, is a dioecious species that is more tolerant of heat and drought stress conditions than Kentucky bluegrasses. 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 improved performance is currently un-

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derway at Rutgers. This breeding strategy of crossing female Texas bluegrass plants with Kentucky bluegrass could expand the adaptation of Kentucky bluegrass through transition zone areas and into southern states where better heat and drought tolerance is needed for better performance.

The Kentucky bluegrass improvement program at Rutgers involves extensive field evaluation of collections from the United States, Europe, and Asia, new material developed in the breeding program, as well as cultivars and selections developed by other breeders. Recent collection trips to Poland, Bulgaria, China, Romania, Germany, Portugal, Finland, France, Spain, Norway, the Slovak Republic, Uzbekistan, and Kyrgyzstan have enhanced the diversity of germplasm incorporated into the Kentucky bluegrass hybridization program. In addition, the turfgrass research program at Rutgers participates in the National Turfgrass Evaluation Program (NTEP), which is sponsored by the Beltsville Agricultural Research Center and the National Turfgrass Federation, Inc.

## PROCEDURES

Eleven trials were seeded in September between 1996 and 2000 at North Brunswick, Adelphia, or Pittstown, NJ (Tables 1 to 11). Two medium-low maintenance tests were established at Pittstown in 1998 (Table 5) and at Adelphia in 1999 (Table 8). The other tests were conducted under medium-high maintenance regimes. The soils at the three research farms are moderately fertile and fairly well drained.

Entries in each test were sown by hand using a maximum of 0.53 oz of seed per 3 X 5 ft plot (2.2 lb/1000 ft<sup>2</sup>). An unplanted 6-inch border was left around each plot. Each test was arranged in a randomized complete block design with three replications. Annual nitrogen (N) applied and mowing heights for each trial are presented in Table 12. The amount of N applied varied between tests to permit the evaluation of characteristics known to respond to N level. No single N application exceeded 1.0 lb/1000 ft<sup>2</sup>. Mowing was frequent enough (two or three times per week during active growth) to avoid excessive defoliation and the accumulation of clippings. Reel mowers were used to maintain a 1.5 inch height of cut, while rotary mowers were employed at a higher cut.

After establishment, summer annual weeds were controlled in all tests using a spring application of dithiopyr (Dimension), and broadleaf weeds were controlled on the 1998 trial at North Brunswick (Table

3) by an autumn application of Confront. No other pesticides were applied. Soil pH was maintained between 6.0 and 6.5 with agricultural limestone, depending on soil test results. Tests were irrigated during establishment and also when needed to avoid severe drought stress. The medium-low maintenance test at Pittstown (Table 5) received irrigation when soil moisture was extremely low. The medium-low maintenance test at Adelphia (Table 8) was irrigated only during establishment.

All tests were rated frequently throughout the growing season for turf quality (e.g., color, brightness, leaf texture, density, uniformity, and amount of disease and insect damage). Other characteristics were evaluated separately when differences between entries were evident. These characteristics included spring green-up (Tables 1 to 3, 6, 9, and 11), winter color (Tables 9 and 10), leaf spot (Tables 4 and 7), steminess (Tables 4, 7, 10, and 11), genetic color (Tables 9 and 10), establishment (Tables 9 to 11), heat tolerance (Table 9), billbug (*Sphenophorus* spp.) damage (Table 5), vigor (Table 11), height (Table 10), density (Table 9), and *Poa annua* L. invasion (Table 6). All ratings were based on a 1 to 9 scale, where 9 represented the most favorable turf quality or desirable turf characteristic. Ratings were conducted by a number of researchers throughout the season to reduce individual preferences toward a particular trait.

## RESULTS

### Turf Evaluation Trials

Results are presented in Tables 1 through 11. Entries are ranked according to their overall (multi-year) quality average. Tables 9 and 10 include all the entries of the 2000 Medium-High Maintenance Kentucky Bluegrass Trial sponsored by NTEP. Additional characteristics observed in various tests (i.e., spring green-up, winter appearance, leaf spot, steminess, establishment, and genetic color) are discussed below. Other characteristics such as heat tolerance, vigor, plant height, billbug damage, density, and *Poa annua* invasion are also reported.

### Spring Green-Up

These traits are obvious during late winter or early spring and reflect the wide range of genetic diversity present within Kentucky bluegrass (Tables 1 to 3, 6, 9, 11). Cultivars exhibiting early spring green-up in a number of trials include Kenblue, Wildwood, Blackstone, and Langara. Some experimental se-

lections with early spring green up include A97-1409, A91-702, and SRX 2284. Cultivars and selections with slow spring green-up include Midnight, PST-731, J-1838, and Quantum Leap (Tables 1, 4, and 9). Many cultivars and selections in the evaluation trials are adapted to New Jersey and the mid-Atlantic region (37°N to 42°N latitude) and typically have early spring green-up. The mid-Atlantic region is characterized by shorter days and warmer temperatures during the growing season, compared to the higher latitudes and cool climates of Scandinavia (60°N latitude). Due to an increase in leaf elongation that occurs in response to increases in temperature and daylength (Parsons and Robson, 1980), cultivars adapted to this region may green up earlier in the spring. Other cultivars and selections adapted to higher latitudes may need a more dramatic change in daylength before spring growth is initiated.

### **Leaf Spot**

Leaf spot is a foliar disease that affects Kentucky bluegrass most dramatically during the cloudy wet weather of spring. Differences in tolerance to this disease were evident among many of the cultivars and selections tested (Tables 4 and 7). Leaf spot disease is often associated with plants that have low carbohydrate levels in the leaf tissue. Some cultivars with early spring green-up (increased shoot elongation) may lose more carbohydrates through mowing, and are thus more susceptible to leaf spot (Smiley, 1992). Other cultivars or selections that do not actively elongate as early and are low growing cultivars (e.g., Midnight, Brilliant, Langara, and America) do not lose as many carbohydrates during mowing, and this may provide an increased resistance to leaf spot. Other cultivars and selections with good resistance to leaf spot include Boutique, Monte Carlo, A97-1409, and Royale. Cultivars and selections exhibiting susceptibility to leaf spot include Eagleton, Voyager, RSP, and Huntsville (Table 7).

### **Steminess**

Steminess is prevalent in spring when some cultivars and selections of Kentucky bluegrass produce visible panicles and seed heads, even when closely mowed (Tables 4, 7, 10, and 11). Cultivars with a large number of reproductive tillers (including Baron and Dragon) appear stemmy, which detracts from turf quality in the late spring. Cultivars that produce few reproductive tillers in turf plots include Moon Shadow, Langara, Northstar, PST-739, RSP, and Lakeshore (Tables 4 and 10).

### **Establishment**

Rapid establishment (or seedling vigor, Tables 9 to 11) is important to consumers, sod growers, and other turf professionals who establish Kentucky bluegrass turfs from seed. Kentucky bluegrass is one of the slowest cool-season turfgrasses to establish a mature stand. Seedling vigor can be influenced by factors such as genetics, seed quality, environment, management practices, and after-ripening dormancy. After-ripening dormancy, which occurs with freshly harvested seed, delays germination of the seed under conditions of warm days and nights. Thus, plantings during warm days and warm nights that utilize recently harvested seed lots may be exhibiting varying degrees of after-ripening dormancy rather than genetic differences in seedling vigor between cultivars. This dormancy is broken during storage at warm temperatures and is less pronounced if germination occurs during periods with cool nights and frequent rainfall.

### **Genetic Color**

Genetic color is one characteristic that demonstrates the broad genetic diversity that exists in Kentucky bluegrass. Professional sod growers, landscapers, and consumers are interested in the intensity of a cultivar's green color during the growing season (Tables 9 and 10) or in the retention of its green color during the winter months (Tables 9 and 10). Cultivars such as Moonlight, Midnight, and Rugby II and selections such as A98-15, A98-155, PST B5-89, and A98-2038 are among the darkest green entries compared to cultivars such as Washington, Kenblue, Barzan, Wellington, Lilly, and Julius, which have a brighter, medium green color.

### **SUMMARY**

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

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Table 1. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1996 at Adelphia, NJ.

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----						Spring Green-up <sup>2</sup> April 2001
	1997-2001 Avg.	1997 Avg.	1998 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	
1 Liberator	6.7	7.1	7.1	6.6	6.6	6.2	3.3
2 Total Eclipse	6.6	7.4	6.2	6.7	6.6	6.3	3.7
3 Midnight	6.6	7.0	6.5	6.6	6.1	6.7	4.0
4 Moonlight	6.6	7.0	6.1	6.4	6.6	6.7	3.3
5 Impact	6.5	7.0	5.8	6.6	6.8	6.4	3.0
6 A95-414	6.5	6.0	6.1	6.5	7.1	6.6	3.0
7 Moon Shadow	6.4	6.7	6.6	5.9	6.2	6.4	5.0
8 Award	6.3	6.8	6.1	6.1	6.0	6.7	2.7
9 Langara	6.3	6.4	5.8	6.4	6.8	6.2	6.3
10 NuGlade	6.2	6.6	6.5	6.0	6.4	5.6	3.7
11 Serene	6.1	6.5	6.0	5.5	6.2	6.4	6.7
12 Rugby II	6.1	6.5	5.8	6.4	6.3	5.6	3.3
13 Princeton P-105	6.1	5.5	5.9	6.1	6.6	6.4	3.3
14 Indigo	6.0	5.9	6.4	5.7	6.3	5.7	5.7
15 Pick-417	6.0	6.6	5.8	6.1	5.8	5.7	5.0
16 Wildwood	5.9	5.8	5.8	6.0	5.9	6.1	4.7
17 SR 2109	5.9	5.6	6.0	5.7	6.1	5.8	6.0
18 H92-558	5.7	6.0	5.4	6.1	5.7	5.3	4.3
19 Pick-453	5.5	5.8	5.3	5.4	5.6	5.5	4.0
20 Jefferson	5.5	5.4	5.3	4.9	6.3	5.5	5.7
21 A82-204	5.5	6.2	5.6	5.5	5.4	4.7	6.7
22 C-74	5.4	5.9	4.8	5.5	5.6	5.4	3.7
23 Lakeshore	5.4	5.4	5.1	5.1	6.2	5.3	5.7
24 Preakness	5.4	5.8	4.7	5.4	5.7	5.6	5.3
25 PST-697	5.4	6.4	5.3	5.1	5.1	5.1	6.0
26 Eclipse	5.4	5.3	5.1	5.1	6.0	5.5	6.3
27 A94-706	5.4	5.4	4.9	5.6	5.5	5.6	5.7
28 A95-1009	5.4	5.9	5.8	5.5	5.1	4.6	3.7
29 A94-363	5.4	5.8	5.2	5.3	5.2	5.4	4.7
30 America	5.4	5.4	5.4	4.9	5.7	5.5	4.3
31 Caliber	5.4	5.8	4.6	5.1	5.8	5.4	5.3
32 A91-53	5.3	5.5	4.9	5.0	5.9	5.3	5.3
33 SRX 2205	5.3	5.9	5.3	5.0	4.8	5.5	5.0
34 Julia	5.3	5.6	4.6	5.2	5.8	5.2	5.3
35 Shamrock	5.3	5.1	4.9	5.1	6.2	5.0	6.0



Table 1 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					2001 Avg.	Spring Green-up <sup>2</sup> April 2001
		1997-2001 Avg.	1997 Avg.	1998 Avg.	1999 Avg.	2000 Avg.		
36	Alpine	5.3	4.7	5.6	5.5	5.6	5.0	2.0
37	A93-201	5.2	5.0	5.0	4.8	6.0	5.2	5.7
38	Eagleton	5.2	4.9	4.9	4.9	5.9	5.4	4.7
39	Champagne	5.1	5.4	5.2	4.8	5.4	5.0	5.7
40	Ba 82-228	5.1	5.2	4.5	4.9	5.6	5.5	6.3
41	Unique	5.1	4.7	5.1	5.0	5.8	5.1	4.3
42	SR 2000	5.1	5.3	5.1	5.0	5.3	4.9	5.0
43	A91-702	5.1	4.7	5.1	5.0	5.4	5.3	7.0
44	Chicago	5.1	5.1	4.9	5.2	5.4	4.9	5.0
45	Pick-232	5.0	5.5	5.3	4.9	5.1	4.3	5.0
46	Touchdown	5.0	4.6	4.4	4.7	5.4	5.9	7.0
47	Limousine	5.0	5.7	4.8	4.9	4.9	4.4	6.0
48	Cheri	4.9	5.1	4.2	5.0	5.1	5.4	6.3
49	SRX 2207B	4.9	5.2	4.1	4.7	5.3	5.3	5.7
50	Blue Moon	4.9	5.8	4.6	4.8	4.5	4.9	3.7
51	H86-690	4.9	4.7	5.5	4.5	4.9	5.0	4.7
52	A91-703	4.9	4.7	4.6	4.7	5.2	5.0	6.3
53	Shade Blue	4.8	5.1	4.8	5.1	5.1	4.2	7.7
54	Rambo	4.8	5.6	4.6	4.7	4.5	4.4	5.7
55	Ba 83-113	4.7	5.1	4.1	4.7	4.9	4.9	6.0
56	J-1555	4.6	4.8	4.5	5.0	4.5	4.3	4.3
57	Ba 82-230	4.6	4.2	4.3	4.9	5.1	4.6	5.7
58	JV 91 L2	4.6	4.9	4.4	4.7	4.5	4.4	5.0
59	A88-744	4.6	5.4	4.4	4.6	4.0	4.4	5.0
60	OFl-25	4.5	4.0	4.4	4.2	5.0	4.9	6.7
61	Classic	4.4	4.0	4.1	4.7	5.1	4.1	7.7
62	Dellwood	4.4	4.3	4.6	4.6	4.1	4.4	7.7
63	PTE	4.3	5.0	3.7	4.5	4.3	4.2	6.0
64	Ba 84-176	4.3	4.8	4.3	4.1	4.1	4.6	5.3
65	Dragon	4.3	4.3	4.0	4.4	4.5	4.2	6.0
66	Nassau	4.3	4.5	4.1	4.3	4.2	4.3	6.0
67	Ba 84-021	4.2	5.1	3.7	4.1	4.0	4.0	4.7
68	Muddy Pk	4.0	4.0	3.9	3.5	4.7	4.0	7.3
69	Bel 21	4.0	4.3	3.7	4.0	4.5	3.6	4.3
70	PST BM3	4.0	4.1	4.0	4.3	4.0	3.6	8.3



Table 1 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					2001 Avg.	Spring Green-up <sup>2</sup> April 2001
		1997-2001 Avg.	1997 Avg.	1998 Avg.	1999 Avg.	2000 Avg.		
71	JV 91 I	4.0	5.2	4.6	4.0	3.1	3.1	4.3
72	Baron	3.9	5.1	5.3	3.4	2.5	3.1	5.3
73	Nottingham	3.9	4.8	4.6	4.1	3.0	3.0	5.7
74	SR 2100	3.8	4.9	4.4	3.6	3.1	3.0	5.0
75	Ba 84-166	3.8	5.0	4.9	3.5	2.4	3.0	6.0
76	Blue Chip	3.7	4.6	4.9	2.6	2.8	3.7	3.7
77	Kenblue	3.3	3.4	3.5	3.0	3.4	3.4	7.0
78	CNC	2.9	3.0	2.3	2.5	3.2	3.4	6.7
LSD at 5% =		0.5	0.8	0.8	0.7	0.7	0.7	1.5

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

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

Table 2. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1997 at Adelphia, NJ.

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					Spring Green-up <sup>2</sup> April 2001
	1998-2001 Avg.	1998 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	
1 Langara	6.7	6.3	6.8	7.1	6.6	6.0
2 H94-550	6.7	5.7	6.9	7.1	6.9	2.3
3 Blacksburg	6.6	5.9	7.1	6.8	6.4	3.7
4 SR 2109	6.4	6.4	6.5	6.6	6.2	4.3
5 H92-392	6.3	5.8	6.6	6.4	6.5	7.0
6 A82-204	6.3	5.7	5.9	6.6	6.9	6.0
7 North Star	6.1	5.8	6.4	6.2	6.2	1.7
8 Midnight	6.1	6.0	6.3	6.2	6.0	1.7
9 H92-166	6.1	6.4	5.7	6.1	6.3	6.0
10 H94-288	6.1	6.1	5.9	5.9	6.4	6.0
11 Liberator	6.0	5.8	5.8	6.2	6.3	1.3
12 Serene	6.0	6.2	6.3	5.7	5.8	5.0
13 NuGlade	6.0	5.6	6.1	6.2	6.0	1.3
14 SRX 2394	6.0	6.2	6.0	6.0	5.8	4.7
15 Award	5.9	5.6	6.0	6.1	5.9	1.3
16 York Harbor G4	5.9	5.7	6.0	6.0	5.8	2.0
17 95 AN-10	5.9	6.0	5.9	5.6	6.1	6.3
18 A81-2183	5.9	5.6	6.0	5.7	6.2	6.3
19 H94-293	5.8	5.4	5.6	6.0	6.3	4.3
20 Washington	5.8	6.1	6.1	5.8	5.2	4.7
21 SR 2205	5.8	5.4	6.4	6.0	5.4	2.7
22 Impact	5.8	5.6	6.2	5.7	5.6	2.0
23 Princeton P-105	5.7	5.2	5.9	5.8	5.9	1.0
24 Arcadia	5.7	5.8	5.4	5.8	5.7	2.0
25 Pick-453	5.7	6.2	5.5	5.5	5.4	2.0
26 Total Eclipse	5.6	5.3	5.8	5.7	5.7	1.3
27 A96-742	5.6	5.8	5.4	5.4	5.8	5.0
28 H94-707	5.6	5.6	5.6	5.6	5.6	1.3
29 A93-238	5.6	5.8	5.7	5.5	5.3	4.7
30 Moon Shadow	5.6	5.8	5.9	4.8	5.8	4.0
31 Caliber	5.6	5.9	5.5	5.3	5.5	4.7
32 Lakeshore	5.6	5.6	5.5	5.9	5.2	3.7
33 IBC-170	5.5	5.7	5.4	5.3	5.7	5.7
34 Opti-green	5.5	5.4	5.4	5.6	5.7	5.3
35 Wildwood	5.4	5.5	5.3	5.2	5.7	1.7

Table 2 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					Spring Green-up <sup>2</sup> April 2001
		1998-2001 Avg.	1998 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	
36	Julia	5.4	5.8	5.3	5.2	5.3	4.3
37	York Harbor G11	5.4	5.5	5.4	5.4	5.2	5.3
38	Rambo	5.4	5.1	5.4	5.4	5.6	3.7
39	FairFax	5.4	5.3	5.3	5.5	5.3	7.0
40	Moonlight	5.3	6.2	5.7	4.8	4.6	1.7
41	Ram I	5.3	5.5	5.7	5.3	4.8	3.7
42	Brilliant	5.3	5.5	5.4	5.3	5.2	5.3
43	A88-1239	5.3	5.1	5.6	5.2	5.3	5.7
44	A93-201	5.3	5.6	5.5	5.2	4.8	5.3
45	America	5.2	5.4	5.1	5.2	5.3	5.7
46	Misty	5.2	5.0	5.5	5.5	4.8	5.7
47	Champagne	5.2	5.3	5.6	5.0	4.9	4.7
48	SRX 2207B	5.2	5.3	5.3	5.1	4.9	5.3
49	Pick-417	5.2	5.4	5.3	5.1	4.8	2.0
50	Unique	5.1	5.3	4.8	5.0	5.3	5.0
51	Chicago	5.1	5.0	5.2	5.0	5.3	4.0
52	Showcase	5.1	5.5	5.4	4.7	4.9	6.0
53	Glade	5.1	4.8	5.7	5.0	4.8	2.3
54	B3-71	5.1	4.3	5.5	5.1	5.2	5.7
55	Shamrock	5.0	5.2	5.2	4.8	5.0	5.0
56	Sodnet	5.0	4.6	4.9	5.2	5.5	4.0
57	B3-203	5.0	5.1	5.0	5.2	4.8	4.7
58	B3-171	5.0	5.2	5.2	4.5	5.2	6.3
59	H92-612	5.0	5.5	4.9	4.6	4.8	5.3
60	NuStar	5.0	5.0	5.4	4.8	4.8	3.3
61	NuBlue	5.0	5.4	5.1	5.2	4.3	4.3
62	Dragon	5.0	5.3	5.2	4.7	4.7	6.0
63	Freedom	5.0	5.4	5.3	5.1	4.0	6.7
64	Bordeaux	5.0	5.5	5.1	4.5	4.6	5.3
65	Challenger	4.9	5.6	5.4	4.8	3.9	5.0
66	Limousine	4.9	4.4	4.8	4.8	5.6	4.0
67	Preakness	4.9	4.8	5.0	5.2	4.6	5.3
68	Liberty	4.9	5.3	5.3	4.6	4.4	6.0
69	B3-170	4.9	4.9	4.9	4.7	5.0	5.3
70	Rita	4.9	5.5	5.0	4.7	4.3	3.7

Table 2 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					Spring Green-up <sup>2</sup> April 2001
		1998-2001 Avg.	1998 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	
71	H94-321	4.9	5.3	5.2	4.4	4.6	6.0
72	Rugby	4.9	5.6	5.2	4.6	4.0	6.7
73	H94-290	4.8	5.1	5.1	4.7	4.5	5.7
74	PST-697	4.8	5.5	4.8	4.8	3.9	5.3
75	A95-1055	4.8	5.3	5.0	4.5	4.2	2.3
76	A95-1073	4.7	5.8	5.0	4.5	3.6	4.0
77	Unique	4.7	4.3	4.9	4.5	5.1	5.3
78	Dellwood	4.7	4.5	5.3	4.4	4.7	7.7
79	Cobalt	4.7	5.1	4.8	4.3	4.5	5.3
80	Suffolk	4.6	4.3	5.3	5.1	3.9	6.0
81	Cabernet	4.6	4.7	5.1	4.1	4.7	5.7
82	H92-558	4.6	5.1	4.9	4.5	4.0	3.0
83	Aspen	4.5	4.7	4.7	4.5	4.1	5.3
84	Nassau	4.5	4.8	4.5	3.9	4.8	4.7
85	Pick-232	4.5	5.4	4.8	3.9	3.9	4.3
86	A91-703	4.5	5.0	5.1	4.3	3.5	7.0
87	J-1555	4.5	4.5	4.9	4.1	4.3	3.3
88	SR 2100	4.4	4.8	4.4	4.4	4.1	4.7
89	A91-702	4.4	4.8	5.1	4.3	3.4	7.0
90	97 Pp-8	4.3	4.5	4.6	4.2	4.0	5.7
91	CIS-Pp 201	4.3	3.1	4.9	4.4	4.8	2.3
92	SCEC-219	4.3	5.2	5.1	3.8	3.1	5.3
93	CIS-Pp 202	4.3	3.4	4.7	4.2	4.7	3.0
94	Muddy Pk	4.2	4.6	4.5	3.7	4.0	6.0
95	H86-749	4.2	4.6	4.2	4.0	3.8	7.0
96	Voyager	4.2	4.3	4.4	4.3	3.7	7.0
97	Blue Chip	4.2	5.1	4.5	3.2	3.8	4.3
98	SR 2000	4.1	4.3	4.5	4.0	3.7	3.0
99	PST BM3	4.1	4.9	4.1	3.8	3.5	7.7
100	Huntington	4.1	4.7	4.3	3.8	3.4	3.3
101	RSP	4.0	5.1	4.1	3.2	3.7	7.0
102	A84-405	4.0	3.2	4.8	4.3	3.7	2.3
103	Baron	4.0	5.0	4.7	3.1	3.1	5.3
104	Kelly	3.9	4.6	4.8	3.4	2.9	5.3
105	SCEC-196	3.7	4.3	3.7	3.4	3.3	8.3

Table 2 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----					Spring Green-up <sup>2</sup> April 2001
		1998-2001 Avg.	1998 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	
106	94 AN-8	3.3	3.7	3.9	2.8	3.0	3.7
107	SCEC-204	3.3	3.5	3.5	3.2	3.0	5.7
108	SCEC-133	3.2	3.9	3.4	3.2	2.4	6.7
109	S-21	3.2	3.1	3.8	3.1	2.8	7.3
110	Kenblue	3.2	3.9	3.2	3.1	2.4	7.0
111	94 AN-5	3.2	3.4	3.3	3.0	3.0	6.3
112	SCEC-215	2.8	2.0	2.7	3.0	3.5	5.7
113	SCEC-157	2.7	3.3	2.8	2.5	2.3	6.0
114	95 AN-26	2.7	3.0	2.8	2.4	2.4	4.0
	LSD at 5% =	0.6	0.9	0.6	0.8	1.0	0.9

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

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

Table 3. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1998 at North Brunswick, NJ.

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				Spring Green-up <sup>2</sup> April 2001
		1999-2001 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	
1	Moonlight	6.9	6.9	7.2	6.7	4.3
2	A94-677	6.5	6.4	6.4	6.7	5.7
3	NuGlade	6.2	7.0	5.3	6.3	5.0
4	A95-2007	6.2	6.2	5.8	6.4	4.3
5	A96-481	6.1	5.7	6.2	6.4	5.0
6	Midnight	6.1	6.3	6.2	5.8	5.7
7	H94-460	6.1	4.9	7.0	6.4	4.7
8	A96-714	6.0	5.9	5.8	6.4	6.0
9	A96-423	6.0	6.4	5.8	5.8	4.0
10	A96-763	5.9	6.0	5.7	6.0	4.3
11	Impact	5.9	7.0	5.2	5.5	4.0
12	A96-427	5.9	6.4	5.6	5.6	4.7
13	Rugby II	5.9	6.2	5.6	5.8	4.3
14	A96-739	5.8	5.9	5.7	5.8	3.7
15	A95-1055	5.8	5.6	5.9	5.8	4.7
16	Indigo	5.8	6.2	5.3	5.8	4.7
17	A96-337	5.8	6.1	5.5	5.7	5.3
18	SRX 2284	5.8	6.3	5.2	5.8	4.7
19	A96-415	5.7	6.1	5.0	6.1	5.0
20	Blue Moon	5.7	6.9	5.5	4.9	4.0
21	A96-424	5.7	6.5	5.7	5.0	5.3
22	H94-313	5.7	5.6	5.7	5.8	4.7
23	Moon Shadow	5.7	5.7	6.4	5.1	5.0
24	Award	5.7	6.5	5.3	5.2	4.7
25	Monte Carlo	5.7	6.1	5.1	5.8	4.7
26	H94-293	5.6	6.6	4.9	5.5	3.7
27	C-74	5.6	6.0	5.2	5.6	4.3
28	Rambo	5.6	5.4	5.8	5.5	4.3
29	Langara	5.6	6.2	5.1	5.4	5.0
30	A96-416	5.5	5.5	5.7	5.4	4.3
31	A96-348	5.5	5.8	5.2	5.5	5.3
32	A96-451	5.5	6.1	4.7	5.6	5.0
33	Dellwood	5.4	5.5	5.0	5.7	5.3
34	H94-221	5.4	5.3	5.2	5.8	5.0
35	A96-715	5.4	5.5	5.2	5.3	4.7

Table 3 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				Spring Green-up <sup>2</sup> April 2001
		1999-2001 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	
36	H94-288	5.3	6.0	5.1	4.9	4.7
37	Bordeaux	5.3	6.1	5.0	4.9	4.3
38	A82-204	5.3	6.0	5.3	4.7	5.3
39	Serene	5.3	5.9	5.1	5.0	5.7
40	Pick-232	5.3	5.9	5.5	4.6	5.7
41	A96-407	5.3	5.7	4.7	5.5	4.3
42	A98-2038	5.3	5.6	5.0	5.2	4.7
43	America	5.2	5.8	4.9	5.0	4.7
44	Cabernet	5.2	5.3	5.3	5.0	4.7
45	H94-235	5.2	4.9	5.9	4.7	4.7
46	A96-368	5.1	6.1	4.6	4.7	5.3
47	Boutique	5.1	6.0	4.7	4.7	4.7
48	Unique	5.1	4.6	4.9	5.8	5.0
49	H92-543	5.1	5.6	5.4	4.2	4.3
50	A96-308	5.0	4.5	5.3	5.3	4.7
51	H94-550	5.0	5.3	4.2	5.5	4.7
52	H94-654	5.0	4.9	5.4	4.6	5.3
53	A98-2039	5.0	5.3	5.2	4.4	3.7
54	H92-558	5.0	4.7	5.0	5.2	4.3
55	Lakeshore	5.0	5.7	5.1	4.0	5.0
56	Cobalt	4.9	5.7	4.4	4.7	4.7
57	Jefferson	4.9	4.8	5.2	4.8	5.3
58	Bel 21	4.9	4.9	4.7	5.2	4.3
59	A95-1021	4.9	5.6	4.1	5.0	5.0
60	Pick-453	4.9	4.7	5.0	5.0	4.3
61	NuStar	4.8	5.1	4.7	4.7	3.7
62	Alpine	4.8	5.3	4.8	4.3	4.7
63	Pick-417	4.8	4.8	5.0	4.7	4.0
64	Julius	4.8	5.7	4.4	4.3	4.7
65	SR 2109	4.7	4.3	4.8	5.0	4.3
66	Blacksburg	4.7	5.5	4.7	3.8	4.7
67	Julia	4.7	5.6	3.9	4.5	5.0
68	Princeton P-105	4.7	5.9	4.7	3.3	5.0
69	A93-201	4.6	5.5	4.8	3.6	5.0
70	Glade	4.6	6.1	3.8	3.9	4.0



Table 3 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				Spring Green-up <sup>2</sup> April 2001
		1999-2001 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	
71	Eagleton	4.6	4.9	4.4	4.4	4.3
72	A96-351	4.4	4.7	4.4	4.2	4.0
73	A96-729	4.4	4.5	4.2	4.6	5.0
74	Wildwood	4.4	5.5	3.8	3.8	5.0
75	A96-270	4.3	3.8	4.9	4.3	5.3
76	PST-1701	4.3	4.3	5.5	3.2	4.3
77	Chicago	4.3	5.4	3.7	3.8	5.7
78	Eclipse	4.3	5.3	3.8	3.9	5.7
79	Aspen	4.3	5.1	3.8	4.0	4.0
80	Suffolk	4.3	4.4	4.6	3.9	5.0
81	Rugby	4.2	5.0	4.0	3.7	5.0
82	A91-702	4.2	4.6	4.3	3.7	4.7
83	Blue Chip	4.2	5.2	4.0	3.4	4.0
84	A91-703	4.2	4.9	3.9	3.7	5.0
85	Cheri	4.2	5.3	4.0	3.1	5.3
86	Cesar	4.1	4.5	4.7	3.2	3.7
87	Brunswick	4.1	4.5	4.9	3.0	5.0
88	Roselawn	4.1	3.2	4.9	4.2	5.0
89	Freedom	4.1	4.1	4.1	4.2	4.3
90	CVB 17921	4.1	4.5	4.7	3.0	4.0
91	Touchdown	4.0	4.5	3.3	4.3	5.0
92	Caliber	4.0	4.5	4.1	3.4	4.0
93	Kelly	4.0	4.5	4.1	3.2	4.0
94	Classic	3.8	3.9	4.1	3.5	5.3
95	Baron	3.8	4.2	3.8	3.5	5.3
96	Muddy Pk	3.8	3.9	3.7	3.8	5.3
97	NuBlue	3.7	4.2	3.7	3.1	4.7
98	Nassau	3.6	4.3	3.5	3.0	5.7
99	S-21	3.5	3.6	3.7	3.4	5.3
100	Huntsville	3.5	3.9	3.7	3.0	4.3
101	Dragon	3.5	4.8	3.2	2.6	5.0
102	Crest	3.5	3.6	3.5	3.6	4.3
103	CVB 19863	3.1	3.7	3.0	2.8	3.7
104	Reveille (TxB hyb <sup>3</sup> )	3.1	3.1	3.2	3.1	4.3
105	Miracle	3.0	4.1	2.6	2.3	4.7

Table 3 (continued).

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				Spring Green-up <sup>2</sup> April 2001
	1999-2001 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	
LSD at 5% =	0.7	0.9	0.9	1.2	1.7

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

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

<sup>3</sup>TxB hyb = Texas x Kentucky bluegrass hybrid

Table 4. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1998 at Adelphia, NJ.

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				Leaf Spot <sup>2</sup> May 2001	Steminess <sup>3</sup> May 2001
	1999- 2001 Avg.	1999 Avg.	2000 Avg.	2001 Avg.		
1 A97-1409	6.6	7.1	6.5	6.2	8.0	3.7
2 A96-468	6.5	6.3	6.8	6.3	7.7	8.7
3 A94-677	6.5	5.8	7.0	6.6	7.7	9.0
4 SRX 2284	6.3	6.5	6.5	6.0	7.7	5.0
5 Sonoma	6.3	6.7	6.1	6.2	7.0	8.7
6 H94-460	6.3	6.3	6.2	6.4	5.7	9.0
7 H94-293	6.3	5.9	6.4	6.6	8.3	6.7
8 A81-2183	6.3	6.0	6.4	6.5	8.0	9.0
9 Boutique	6.3	5.8	6.1	7.0	8.0	6.7
10 Moonlight	6.3	6.4	6.4	5.9	8.0	8.0
11 SR 2109	6.3	5.7	6.4	6.7	7.7	7.0
12 Moon Shadow	6.2	6.1	6.2	6.5	6.0	8.7
13 Langara	6.2	6.6	6.6	5.4	5.0	8.7
14 A97-1280	6.1	6.2	6.1	5.9	7.0	5.7
15 A97-1510	6.1	6.3	6.3	5.6	7.0	6.3
16 H94-550	6.0	5.7	6.2	6.2	6.0	9.0
17 A98-2256	6.0	5.8	6.1	6.2	6.7	2.0
18 A97-1333	6.0	6.2	6.0	5.8	7.3	7.0
19 A97-1271	6.0	5.9	6.3	5.8	7.3	6.7
20 H92-203	6.0	5.7	6.3	5.9	6.3	3.0
21 H94-288	6.0	5.9	6.0	6.0	6.3	6.3
22 A96-298	6.0	5.7	5.9	6.2	6.0	9.0
23 A95-1667	6.0	5.3	6.4	6.2	7.0	4.7
24 A96-415	5.9	6.4	5.3	6.1	7.3	8.0
25 Showcase	5.9	6.0	5.8	6.0	6.0	5.3
26 AG-K981	5.9	6.3	5.3	6.1	8.0	8.3
27 A97-1263	5.9	5.9	6.2	5.6	6.3	6.0
28 H92-109	5.9	5.7	5.9	6.1	6.0	8.7
29 A97-410	5.9	6.5	5.8	5.4	5.7	8.7
30 A97-1244	5.9	5.7	5.5	6.3	6.7	8.3
31 H94-654	5.9	5.4	6.0	6.2	7.7	4.7
32 Caliber	5.9	5.4	6.2	6.0	7.3	8.0
33 North Star	5.8	5.4	5.9	6.2	7.3	9.0
34 NuGlade	5.8	5.7	6.3	5.4	6.3	9.0
35 Rita	5.8	6.2	5.9	5.3	7.0	7.3

Table 4 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				Leaf Spot <sup>2</sup> May 2001	Steminess <sup>3</sup> May 2001
		1999- 2001 Avg.	1999 Avg.	2000 Avg.	2001 Avg.		
36	A95-1055	5.8	6.0	5.7	5.8	7.0	5.0
37	A96-323	5.8	5.2	5.7	6.5	6.3	8.3
38	A97-1276	5.8	6.0	5.7	5.6	7.3	3.0
39	C-74	5.8	5.7	5.5	6.1	6.7	5.0
40	A96-324	5.8	5.6	5.7	6.0	7.3	7.0
41	A96-319	5.8	5.6	5.8	5.9	6.3	8.0
42	Princeton P-105	5.8	5.9	5.9	5.5	6.0	8.7
43	A97-458	5.8	6.2	5.9	5.2	6.0	9.0
44	AG K983	5.8	6.2	5.3	5.8	7.7	8.3
45	A96-714	5.7	5.7	5.9	5.6	8.3	5.7
46	H94-707	5.7	5.8	5.8	5.6	5.7	9.0
47	A97-890	5.7	5.8	5.8	5.6	6.0	7.3
48	A93-201	5.7	5.6	6.0	5.6	7.3	8.0
49	A97-1579	5.7	6.0	5.8	5.4	6.3	6.7
50	Brilliant	5.7	5.8	5.8	5.6	6.3	5.0
51	A96-270	5.7	6.2	5.7	5.2	7.0	3.3
52	Lakeshore	5.7	5.6	5.9	5.6	6.7	8.7
53	Jefferson	5.7	5.6	6.0	5.5	4.7	9.0
54	A96-763	5.7	5.2	5.7	6.2	7.3	4.7
55	A97-888	5.7	5.5	5.8	5.8	7.0	7.3
56	A96-424	5.7	5.7	5.3	5.9	6.0	4.0
57	Liberator	5.7	5.4	5.9	5.6	6.3	9.0
58	A96-308	5.6	5.4	5.9	5.6	6.3	8.7
59	York Harbor G4	5.6	6.2	5.1	5.6	7.7	7.0
60	Midnight	5.6	5.3	5.7	5.9	6.7	8.0
61	A97-884	5.6	5.8	5.7	5.4	5.3	7.7
62	Award	5.6	5.7	5.6	5.5	6.3	9.0
63	Rambo	5.6	5.4	5.5	5.8	6.7	9.0
64	A97-493	5.6	6.4	5.3	5.1	3.7	7.7
65	PST-1701	5.6	5.5	5.9	5.3	4.7	8.7
66	Pick-417	5.5	5.4	5.6	5.7	7.0	7.7
67	Serene	5.5	5.5	5.5	5.6	6.3	8.7
68	Monte Carlo	5.5	5.7	5.5	5.4	7.3	4.0
69	A97-904	5.5	5.5	5.7	5.3	6.7	7.7
70	A82-204	5.5	5.9	5.4	5.2	6.3	7.7

Table 4 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				Leaf Spot <sup>2</sup> May 2001	Steminess <sup>3</sup> May 2001
		1999- 2001 Avg.	1999 Avg.	2000 Avg.	2001 Avg.		
71	A96-337	5.5	5.7	5.6	5.3	7.0	4.0
72	Impact	5.5	5.3	5.7	5.6	6.7	9.0
73	Indigo	5.5	5.3	5.4	5.7	6.3	5.3
74	A97-1343	5.5	5.9	5.6	5.0	7.0	5.3
75	B3-203	5.5	5.5	5.8	5.2	6.0	4.0
76	A96-423	5.5	5.3	5.6	5.5	7.3	6.0
77	A90-287	5.4	5.3	5.5	5.5	7.3	6.7
78	A96-715	5.4	5.5	5.5	5.2	7.3	6.7
79	Brunswick	5.4	4.9	5.1	6.1	6.0	8.3
80	Julia	5.4	5.2	5.2	5.8	6.7	7.3
81	A97-1294	5.4	5.3	5.6	5.2	7.0	7.3
82	Bordeaux	5.4	5.9	5.1	5.1	6.7	3.3
83	H94-235	5.4	5.9	5.2	4.9	6.7	5.7
84	H92-558	5.4	5.4	5.4	5.2	7.3	7.3
85	H94-221	5.3	5.6	5.8	4.7	6.7	1.3
86	Shamrock	5.3	5.5	5.2	5.3	6.7	4.7
87	Brooklawn	5.3	5.2	5.4	5.3	6.0	7.0
88	A96-416	5.3	5.9	5.1	4.9	6.3	4.0
89	A98-2038	5.3	5.8	5.2	4.9	6.3	3.7
90	A95-418	5.3	5.7	5.6	4.7	7.0	5.3
91	Pick-232	5.3	5.2	5.3	5.4	6.0	5.3
92	Suffolk	5.3	5.6	5.5	4.9	4.7	6.0
93	A97-474	5.3	5.5	5.2	5.2	7.0	7.7
94	Cobalt	5.3	5.6	5.2	5.0	6.3	4.0
95	A96-351	5.2	5.1	5.5	5.0	6.7	4.7
96	Rugby II	5.2	5.1	5.5	5.0	5.7	9.0
97	A96-348	5.2	5.3	5.1	5.2	5.7	4.7
98	America	5.1	5.0	5.1	5.3	5.7	4.7
99	Glade	5.1	4.9	5.2	5.3	4.3	8.7
100	Alpine	5.1	4.9	5.1	5.4	7.3	7.3
101	A97-955	5.1	5.1	5.3	5.0	6.3	4.7
102	A95-405	5.1	5.2	5.1	5.0	6.0	5.3
103	Wildwood	5.1	5.6	4.9	4.9	8.0	8.7
104	Blacksburg	5.1	4.4	5.4	5.5	6.0	7.3
105	Blue Moon	5.1	4.8	5.3	5.2	5.3	9.0

Table 4 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				Leaf Spot <sup>2</sup> May 2001	Steminess <sup>3</sup> May 2001
		1999- 2001 Avg.	1999 Avg.	2000 Avg.	2001 Avg.		
106	Pick-453	5.1	5.0	5.2	5.1	7.7	6.7
107	A96-407	5.1	4.8	5.2	5.3	8.0	5.3
108	A96-739	5.1	5.1	5.2	4.9	6.3	5.3
109	A90-1117	5.1	5.1	5.3	4.8	6.7	7.0
110	Aspen	5.0	5.2	4.9	5.0	6.0	5.0
111	Explorer	5.0	4.9	5.2	5.1	5.7	7.0
112	A96-451	5.0	4.9	5.3	4.9	7.7	1.3
113	Chicago	5.0	5.0	5.1	5.0	5.0	7.3
114	A97-1272	5.0	5.7	5.1	4.3	7.0	3.3
115	Unique	5.0	4.6	5.1	5.3	6.7	2.3
116	Cabernet	5.0	5.0	4.8	5.1	4.0	8.3
117	Cheri	5.0	4.7	4.8	5.4	5.7	7.0
118	IBM4	5.0	5.7	4.8	4.4	5.0	5.0
119	Ram I	5.0	5.1	4.3	5.4	5.0	8.7
120	PST-697	4.9	5.4	4.9	4.5	7.0	2.3
121	A98-2039	4.9	5.2	5.1	4.5	5.7	2.7
122	Kelly	4.9	4.8	4.9	5.1	5.0	3.0
123	Julius	4.9	4.0	5.0	5.7	6.3	7.3
124	NuStar	4.9	4.6	5.0	5.1	6.7	6.7
125	A97-895	4.9	5.0	5.1	4.5	7.0	7.3
126	JDSB-93	4.9	5.4	4.9	4.3	6.0	4.7
127	Dragon	4.8	5.0	5.3	4.3	4.7	1.3
128	97-SCEC- 219	4.8	4.5	5.1	5.0	5.0	3.7
129	A82-562	4.8	5.7	4.6	4.2	5.0	5.0
130	Pp8	4.8	5.2	4.4	4.9	4.7	6.7
131	A96-729	4.8	5.6	4.6	4.2	6.7	3.0
132	H94-321	4.8	5.1	5.0	4.4	4.3	9.0
133	Rugby	4.8	5.3	4.7	4.3	5.3	4.3
134	Samoa	4.8	4.9	5.1	4.3	6.7	5.7
135	Cesar	4.8	4.6	5.1	4.7	5.0	4.3
136	Touchdown	4.8	4.7	4.7	5.0	7.0	9.0
137	Blackstone	4.8	5.0	4.5	4.8	4.3	6.7
138	A97-1297	4.8	5.3	4.6	4.4	7.0	1.7
139	Dellwood	4.8	4.9	4.5	4.9	3.7	8.0
140	SCR-320	4.7	5.0	4.7	4.5	6.3	6.3

Table 4 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				Leaf Spot <sup>2</sup> May 2001	Steminess <sup>3</sup> May 2001
		1999- 2001 Avg.	1999 Avg.	2000 Avg.	2001 Avg.		
141	Optigreen	4.7	5.2	4.3	4.7	6.0	5.0
142	A97-408	4.7	5.7	4.6	3.9	6.0	4.7
143	Liberty	4.7	5.0	4.7	4.4	4.0	5.3
144	Eclipse	4.7	4.8	4.8	4.4	5.3	4.3
145	Eagleton	4.7	4.1	4.8	5.1	3.7	8.3
146	NuBlue	4.6	4.8	4.7	4.3	6.0	2.0
147	JC91L2	4.6	4.9	4.6	4.2	6.0	6.0
148	A91-635	4.5	4.5	4.4	4.8	6.7	5.7
149	CVB 19863	4.5	4.4	4.6	4.6	5.7	5.3
150	Bel 21	4.5	4.3	4.4	4.7	4.7	8.0
151	Baron	4.5	4.3	4.5	4.6	4.3	2.0
152	SCR-282	4.5	4.8	4.6	4.0	5.7	3.7
153	CVB 17921	4.4	3.5	4.8	5.0	5.3	6.7
154	A91-703	4.4	4.7	4.1	4.5	5.3	3.3
155	A91-702	4.4	4.6	4.2	4.3	4.7	3.7
156	Crest	4.4	4.2	4.6	4.3	5.0	2.3
157	97-SCEC-196	4.3	4.8	3.9	4.2	2.0	7.0
158	97-CNC-254	4.3	4.5	4.0	4.3	3.0	8.0
159	Blue Chip	4.2	4.3	4.3	4.0	5.0	5.0
160	94AN-8	4.2	3.8	4.2	4.5	4.0	5.0
161	CAS-NA	4.1	3.9	4.6	3.9	5.7	4.3
162	Nassau	4.1	3.9	4.1	4.4	3.0	7.7
163	CPA-421	4.1	4.0	3.6	4.7	5.7	7.0
164	Classic	4.1	4.2	4.0	4.1	3.3	7.7
165	Huntsville	4.1	4.4	3.6	4.2	2.7	7.7
166	AG-K984	4.1	4.1	4.1	4.1	6.0	3.3
167	Miracle	4.0	3.7	4.3	4.1	4.3	5.3
168	Muddy Pk	4.0	3.9	3.6	4.4	3.3	8.7
169	AG K982	3.9	4.4	3.9	3.6	3.0	7.0
170	Freedom	3.9	3.7	4.2	3.8	6.7	2.3
171	Sidekick	3.8	3.6	3.8	3.9	5.3	2.0
172	Roselawn	3.8	3.7	3.4	4.2	3.0	6.0
173	S-21	3.7	3.7	3.3	3.9	3.0	8.3
174	AG K986	3.5	4.3	3.2	3.0	1.7	8.0
175	AG K987	3.5	3.9	2.9	3.6	3.0	3.0



Table 4 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				Leaf Spot <sup>2</sup> May 2001	Steminess <sup>3</sup> May 2001
		1999- 2001 Avg.	1999 Avg.	2000 Avg.	2001 Avg.		
176	95AN-26	3.4	3.4	3.2	3.5	4.3	2.7
177	AG K985	3.3	3.6	3.3	3.0	2.3	7.3
178	95AN-24	3.3	3.6	2.8	3.4	3.0	4.3
179	Reveille (TxB hyb) <sup>4</sup>	3.2	2.5	3.3	3.8	6.0	2.0
LSD at 5% =		0.7	0.9	0.8	0.8	1.4	1.9

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

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

<sup>3</sup>9 = fewest visible seed heads

<sup>4</sup>TxB hyb = Texas x Kentucky bluegrass hybrid

Table 5. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1998 at Pittstown, NJ. (Medium-Low Maintenance Test.)

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				Billbug Damage <sup>2</sup> July 2001
	1999-2001 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	
1 Moonlight	6.5	6.4	7.7	5.4	8.0
2 Liberator	5.8	6.0	6.6	4.7	6.7
3 Midnight	5.7	5.9	6.7	4.4	6.0
4 Boutique	5.6	6.0	6.2	4.8	7.0
5 A95-1064	5.6	6.2	6.3	4.4	5.7
6 A96-715	5.6	6.1	6.4	4.3	6.0
7 Langara	5.5	5.7	6.4	4.5	8.0
8 Serene	5.4	6.1	6.1	4.1	8.0
9 Blacksburg	5.4	5.1	6.1	5.0	6.3
10 A90-287	5.4	5.7	5.4	4.9	7.0
11 Princeton P-105	5.3	5.6	5.5	4.8	6.7
12 A96-386	5.3	5.7	5.8	4.3	7.0
13 Pick-232	5.3	5.6	5.2	5.0	5.7
14 A95-418	5.2	5.6	6.1	4.1	5.0
15 A96-408	5.2	5.3	5.9	4.5	5.7
16 A96-739	5.2	5.1	5.5	4.9	7.3
17 Moon Shadow	5.2	6.0	5.5	4.0	5.7
18 Bordeaux	5.2	5.6	5.3	4.6	7.0
19 A96-415	5.2	5.9	5.6	3.9	5.3
20 Wildwood	5.1	5.6	5.4	4.4	7.0
21 A96-766	5.1	5.2	5.6	4.4	4.7
22 A82-204	5.1	5.5	5.2	4.6	6.0
23 A96-481	5.1	5.2	5.2	4.8	6.0
24 Pick-453	5.1	5.3	5.6	4.3	5.3
25 A96-361	5.1	5.2	5.8	4.2	6.0
26 H92-558	5.1	5.3	5.6	4.2	5.0
27 Monte Carlo	5.0	5.8	5.6	3.7	6.7
28 Cabernet	5.0	5.3	5.4	4.4	7.0
29 A96-763	5.0	5.5	5.1	4.4	7.7
30 A96-337	5.0	5.3	5.5	4.1	5.3
31 A96-423	5.0	5.6	5.6	3.7	6.3
32 Alpine	5.0	5.2	5.3	4.4	7.3
33 A97-307	4.9	5.1	5.1	4.7	6.7
34 A91-703	4.9	4.8	5.3	4.7	7.3
35 Indigo	4.9	5.2	5.2	4.4	5.7

Table 5 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				Billbug Damage <sup>2</sup> July 2001
		1999- 2001 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	
36	Unique	4.9	5.4	4.9	4.4	7.0
37	A96-427	4.9	5.3	4.9	4.5	6.3
38	A96-360	4.9	5.2	5.4	4.0	5.7
39	A93-201	4.8	5.5	5.1	3.9	5.0
40	A91-702	4.8	4.8	5.2	4.3	6.0
41	A96-424	4.8	5.2	4.9	4.2	5.3
42	Explorer	4.8	5.2	5.1	4.1	6.0
43	A96-416	4.8	5.3	5.0	4.0	5.0
44	A96-351	4.7	5.3	5.5	3.4	5.0
45	SROKBG 6	4.7	4.9	4.7	4.6	6.3
46	Shamrock	4.7	5.0	4.8	4.4	5.7
47	A96-418	4.7	5.0	5.2	3.9	7.3
48	Lakeshore	4.7	4.9	4.6	4.6	5.7
49	A96-451	4.7	5.5	5.4	3.2	6.3
50	Roselawn	4.7	4.7	4.4	4.9	7.7
51	SROKBG 8	4.6	5.0	4.2	4.6	5.0
52	SCEC-196	4.6	5.0	4.3	4.5	6.7
53	Dragon	4.6	5.2	4.4	4.1	6.0
54	SCEL-219	4.6	4.8	4.6	4.3	6.3
55	SCR-320	4.6	5.1	4.4	4.2	6.3
56	A96-348	4.6	5.2	5.1	3.4	4.7
57	Samoa	4.6	4.9	4.4	4.4	7.0
58	SCEC-204	4.5	4.5	5.0	4.0	6.3
59	H94-225	4.4	4.7	4.9	3.7	5.7
60	Touchdown	4.4	4.8	4.7	3.9	4.7
61	America	4.4	4.7	4.1	4.2	5.7
62	CNC-254	4.4	5.0	4.2	3.9	6.7
63	Liberty	4.3	4.4	3.8	4.7	6.7
64	Dellwood	4.2	4.5	4.2	4.0	7.0
65	CAS-NA	4.1	3.6	4.5	4.2	5.3
66	SCR-282	4.1	4.5	3.9	3.8	5.0
67	Pp 8	4.0	4.4	3.5	4.1	6.3
68	Sidekick	4.0	3.9	3.9	4.1	5.7
69	SCEC-183	3.9	4.4	3.6	3.8	7.0
70	94AN-8	3.9	3.5	3.7	4.6	7.0

Table 5 (continued).

Cultivar or Selection	-----Turf Quality <sup>1</sup> -----				Billbug Damage <sup>2</sup> July 2001
	1999-2001 Avg.	1999 Avg.	2000 Avg.	2001 Avg.	
71 Reveille (TxB hyb) <sup>3</sup>	3.9	2.8	4.2	4.7	6.0
72 95AN-24	3.9	3.4	3.8	4.5	6.3
73 SCEC-157	3.9	3.9	3.2	4.6	6.3
74 Bel 21	3.7	4.3	2.8	3.8	6.3
75 SCEC-194	3.6	3.9	2.7	4.3	7.3
76 SROKBG 7	3.0	2.4	1.9	4.7	4.0
77 Tekapo Orchardgrass	2.3	2.1	1.5	3.3	7.0
LSD at 5% =	0.6	0.5	0.9	1.1	2.5

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

<sup>2</sup>9 = least billbug damage

<sup>3</sup>TxB hyb = Texas x Kentucky bluegrass hybrid

Table 6. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1999 at North Brunswick, NJ.

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Spring Green-up <sup>2</sup> March 2001	<i>Poa annua</i> Invasion <sup>3</sup> May 2001
		2000-2001 Avg.	2000 Avg.	2001 Avg.		
1	Impact	6.7	7.1	6.3	3.3	6.3
2	Langara	6.5	7.0	6.0	4.0	7.3
3	Nuglade	6.4	6.9	5.9	3.3	6.7
4	Absolute	6.2	6.7	5.7	3.3	5.7
5	H94-467	6.1	5.4	6.8	5.7	6.3
6	Rugby II	6.1	6.9	5.4	3.0	7.0
7	Bluemoon	6.1	6.4	5.8	3.0	6.7
8	RSP	6.1	5.7	6.4	5.7	8.0
9	Midnight	6.1	6.5	5.6	3.3	5.0
10	A97-284	6.0	5.9	6.0	3.0	6.3
11	Eagleton	5.9	6.1	5.7	4.3	6.3
12	PST-1701	5.9	5.9	5.8	4.0	6.7
13	Award	5.8	6.8	4.8	3.0	6.0
14	H94-288	5.8	6.3	5.3	2.7	5.3
15	Pro Seeds 453	5.8	5.9	5.7	3.7	5.7
16	Royale	5.7	6.4	5.0	3.7	5.0
17	Moonlight	5.7	5.8	5.6	2.3	6.0
18	A97-1573	5.7	5.8	5.6	3.3	6.7
19	A95-1936	5.6	6.2	5.0	4.3	7.0
20	A96-418	5.6	5.6	5.6	3.0	5.7
21	A97-1292	5.6	5.7	5.4	4.3	6.3
22	A97-260	5.5	5.6	5.4	2.0	7.0
23	A97-1337	5.5	6.2	4.9	2.7	5.7
24	A97-1436	5.5	5.9	5.1	3.7	5.7
25	A97-1409	5.5	6.6	4.4	3.7	5.7
26	A97-1655	5.4	6.2	4.6	3.0	6.3
27	C-74	5.4	6.7	4.1	3.0	6.7
28	A96-270	5.4	5.2	5.5	3.3	6.0
29	Pick-453	5.4	5.6	5.1	3.3	5.7
30	Princeton P-105	5.4	6.4	4.3	2.3	8.0
31	H94-293	5.3	5.5	5.1	3.7	6.7
32	A97-458	5.3	5.4	5.1	3.3	5.0
33	A96-415	5.3	5.3	5.2	3.7	4.0
34	A97-1566	5.2	5.4	5.0	3.7	4.0
35	Nustar	5.2	5.4	5.1	4.0	5.3

Table 6 (continued.)

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Spring Green-up <sup>2</sup> March 2001	<i>Poa annua</i> Invasion <sup>3</sup> May 2001
		2000-2001 Avg.	2000 Avg.	2001 Avg.		
36	A96-451	5.2	5.8	4.6	3.7	6.0
37	Rambo	5.2	6.2	4.3	3.3	5.7
38	A82-204	5.2	5.1	5.3	3.7	7.0
39	A97-1567	5.2	5.5	4.9	4.7	6.0
40	A96-340	5.2	5.1	5.3	3.0	5.0
41	A97-1573	5.2	5.5	4.8	3.7	6.7
42	Blacksburg	5.2	4.5	5.8	3.3	5.3
43	Voyager	5.1	4.9	5.4	4.0	5.3
44	A97-1275	5.1	5.4	4.8	2.7	5.7
45	A97-287	5.1	5.9	4.2	2.7	6.3
46	Pick-232	5.1	5.3	4.8	3.3	5.0
47	A96-409	5.0	5.8	4.2	3.3	4.7
48	A97-2094	5.0	5.5	4.5	4.3	7.0
49	H92-558	5.0	5.6	4.4	3.3	6.7
50	A97-1446	5.0	5.2	4.8	2.7	4.7
51	A97-1466	5.0	5.1	4.9	3.7	4.7
52	SRX 2394	5.0	5.1	4.9	3.3	6.0
53	A97-1271	5.0	5.1	4.8	3.0	5.7
54	Boutique	4.9	5.0	4.8	3.7	6.0
55	A96-739	4.9	4.8	5.1	3.7	4.0
56	A97-1330	4.9	5.3	4.6	2.3	5.3
57	A97-1323	4.9	5.1	4.7	4.0	5.0
58	A97-1362	4.9	5.6	4.2	3.7	6.3
59	America	4.9	5.6	4.3	2.3	5.3
60	A97-1271	4.9	4.9	4.8	2.7	5.3
61	A97-1304	4.9	5.5	4.3	3.0	5.0
62	Cabernet	4.9	3.9	5.8	3.7	6.3
63	A96-707	4.9	5.4	4.3	2.7	5.7
64	A97-1263	4.8	6.0	3.6	2.3	6.3
65	A97-1327	4.8	5.6	3.9	2.7	5.0
66	A97-890	4.8	4.2	5.3	5.0	7.7
67	A96-494	4.7	5.3	4.1	2.7	4.7
68	A97-493	4.7	4.7	4.6	3.7	4.3
69	A97-1613	4.6	4.7	4.5	4.0	5.7
70	Total Eclipse	4.6	5.3	3.9	3.7	6.7

Table 6 (continued.)

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Spring Green-up <sup>2</sup> March 2001	<i>Poa annua</i> Invasion <sup>3</sup> May 2001
		2000-2001 Avg.	2000 Avg.	2001 Avg.		
71	Serene	4.6	4.9	4.3	3.7	6.3
72	Monte Carlo	4.6	4.6	4.6	3.7	5.0
73	A97-1333	4.6	5.0	4.2	4.3	4.7
74	A97-1579	4.6	4.8	4.3	2.3	4.0
75	A97-945	4.5	4.6	4.4	4.3	7.0
76	Suffolk	4.5	4.8	4.2	5.0	6.3
77	A97-1416	4.5	4.2	4.8	5.0	7.0
78	A97-1523	4.5	5.3	3.6	3.0	5.3
79	A95-1043	4.4	4.2	4.6	3.0	4.0
80	A97-2332	4.4	5.0	3.7	4.3	7.0
81	Brooklawn	4.4	4.3	4.4	4.7	5.7
82	Limousine	4.3	4.4	4.3	4.0	5.3
83	A95-1055	4.3	4.5	4.1	3.0	4.3
84	Georgetown	4.3	4.9	3.7	4.3	4.7
85	A97-1510	4.2	4.5	4.0	3.7	4.3
86	A97-1766	4.1	4.1	4.1	3.3	5.3
87	Nassau	4.1	4.3	3.9	5.0	4.0
88	Bordeaux	4.1	3.6	4.6	3.0	4.0
89	A97-1244	4.1	4.2	4.0	3.0	4.0
90	Bluechip	4.1	4.1	4.0	3.3	5.7
91	A97-1343	4.0	4.4	3.7	3.3	6.3
92	A96-256	3.9	4.3	3.6	3.0	5.7
93	A97-1433	3.9	4.1	3.7	4.7	5.0
94	Blueridge	3.8	4.6	3.1	3.0	5.0
95	A96-332	3.8	4.2	3.5	3.0	5.0
96	Champagne	3.8	3.1	4.4	3.3	5.7
97	Dragon	3.7	3.9	3.6	3.3	5.3
98	Huntsville	3.6	3.0	4.1	5.3	4.7
99	A97-1297	3.5	4.4	2.6	3.3	5.3
100	A97-1258	3.4	4.1	2.6	3.3	6.7
	LSD at 5% =	0.9	0.9	1.2	0.9	1.9

<sup>1</sup>9 = best turf quality<sup>2</sup>9 = least leaf spot<sup>3</sup>9 = least *Poa annua* invasion



Table 7. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1999 at Adelphia, NJ.

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Leaf Spot <sup>2</sup> May 2001	Steminess <sup>3</sup> May 2001
		2000- 2001 Avg.	2000 Avg.	2001 Avg.		
1	A97-1409	6.9	6.7	7.1	8.3	7.7
2	A97-1757	6.7	6.4	6.9	5.7	8.3
3	Boutique	6.6	6.4	6.8	9.0	7.0
4	Royale	6.5	6.4	6.6	8.0	8.0
5	Moonlight	6.4	6.4	6.4	7.7	7.3
6	A97-1573	6.4	6.5	6.3	6.7	6.3
7	A97-1432	6.4	6.2	6.5	7.7	7.3
8	Pro Seeds 453	6.4	6.3	6.5	7.0	7.3
9	Bedazzled	6.4	6.1	6.6	7.7	7.0
10	A96-494	6.3	6.4	6.2	8.0	8.0
11	A97-1271	6.2	5.9	6.5	8.0	7.7
12	A96-415	6.2	6.2	6.3	7.7	8.0
13	A95-418	6.2	6.4	6.0	7.7	8.0
14	A96-337	6.2	6.6	5.9	6.7	7.0
15	A97-1362	6.2	6.2	6.2	7.0	6.7
16	H94-550	6.2	6.1	6.2	7.0	8.0
17	Sonoma	6.1	6.4	5.8	6.0	6.7
18	A97-1468	6.1	6.2	6.0	6.0	6.3
19	A97-1333	6.1	6.0	6.2	6.7	7.0
20	A96-298	6.1	6.2	5.9	6.0	9.0
21	A97-1471	6.1	6.1	6.1	6.0	7.3
22	A96-427	6.1	6.0	6.1	7.7	5.0
23	Nuglade	6.1	6.3	5.8	6.0	7.7
24	H94-288	6.1	6.2	5.9	5.3	7.0
25	A96-324	6.1	6.1	6.0	6.7	6.0
26	A96-451	6.0	6.0	6.0	7.7	7.3
27	A97-1327	6.0	6.1	5.9	5.3	7.0
28	A97-1263	6.0	6.0	6.0	5.7	5.3
29	Impact	6.0	6.4	5.6	6.3	8.7
30	A95-1936	6.0	5.9	6.1	4.7	8.0
31	A97-1275	6.0	6.0	6.0	6.3	7.0
32	A97-1446	6.0	6.1	5.8	7.3	6.0
33	Langara	6.0	6.1	5.9	5.0	6.0
34	A97-284	6.0	5.7	6.2	8.0	7.7
35	Award	6.0	6.4	5.5	5.7	8.7

Table 7 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Leaf Spot <sup>2</sup> May 2001	Steminess <sup>3</sup> May 2001
		2000- 2001 Avg.	2000 Avg.	2001 Avg.		
36	A96-1353	6.0	5.8	6.1	7.0	7.0
37	A96-323	5.9	6.4	5.5	4.7	8.0
38	A96-270	5.9	5.8	6.0	7.3	5.3
39	H94-293	5.9	5.5	6.3	8.3	5.7
40	A96-479	5.9	6.1	5.7	7.7	6.0
41	A97-1304	5.9	5.9	5.9	5.7	7.0
42	A97-410	5.9	6.4	5.4	4.0	8.0
43	A97-1613	5.9	5.7	6.0	7.3	6.3
44	A97-1330	5.9	5.7	6.0	5.7	6.3
45	Absolute	5.9	6.1	5.6	5.3	7.3
46	A96-418	5.8	5.9	5.7	6.7	5.3
47	A97-1436	5.8	5.8	5.9	8.3	6.0
48	A96-707	5.8	6.4	5.2	6.7	6.7
49	A97-1523	5.8	6.0	5.6	7.7	7.3
50	A97-1465	5.8	5.9	5.7	6.7	4.3
51	A97-1655	5.8	5.9	5.6	6.0	6.7
52	SRX 2284	5.8	5.6	6.0	6.7	4.3
53	A96-409	5.8	5.7	5.8	7.3	5.7
54	A97-1337	5.8	5.6	5.9	5.7	5.7
55	PST-1701	5.7	5.4	6.0	5.0	8.0
56	Princeton P-105	5.7	5.8	5.6	6.7	8.3
57	A97-1510	5.7	5.3	6.0	6.7	5.7
58	A97-287	5.7	5.8	5.5	6.7	7.7
59	A97-1566	5.7	5.5	5.9	7.3	7.0
60	A97-458	5.7	6.2	5.1	6.0	6.3
61	A97-1567	5.7	5.7	5.6	6.3	5.0
62	A95-1055	5.7	5.7	5.6	7.0	6.0
63	A82-204	5.7	5.8	5.5	5.7	6.7
64	Pp 8388	5.6	5.5	5.8	6.0	4.7
65	Moon Shadow	5.6	5.6	5.6	7.0	5.7
66	Rambo	5.6	6.0	5.3	5.7	8.3
67	A96-408	5.6	5.8	5.4	6.3	5.3
68	Rugby II	5.6	5.9	5.3	6.0	7.0
69	K 981/983	5.6	5.8	5.4	7.3	7.7
70	A97-493	5.6	5.6	5.5	5.7	7.3

Table 7 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Leaf Spot <sup>2</sup> May 2001	Steminess <sup>3</sup> May 2001
		2000- 2001 Avg.	2000 Avg.	2001 Avg.		
71	Pick-417	5.6	5.6	5.6	7.7	7.0
72	Bluemoon	5.6	6.2	4.9	5.0	8.0
73	C-74	5.6	5.6	5.5	5.3	6.3
74	A97-890	5.6	5.5	5.6	6.3	5.3
75	Lakeshore	5.6	5.5	5.6	6.7	6.0
76	A97-1466	5.5	5.5	5.6	6.7	5.0
77	Mallard	5.5	5.5	5.5	7.3	4.0
78	A97-2094	5.5	5.5	5.5	6.0	7.3
79	Yvette	5.5	5.3	5.7	5.7	7.3
80	95AN-10	5.5	5.2	5.9	4.0	7.0
81	A97-1766	5.5	5.4	5.6	6.3	6.7
82	A97-1292	5.5	5.6	5.3	6.3	5.7
83	America	5.5	5.4	5.5	6.0	5.3
84	A97-1433	5.5	5.4	5.5	6.7	4.7
85	SRX 2394	5.5	5.4	5.5	7.7	5.7
86	H92-558	5.5	5.2	5.7	7.3	6.3
87	A97-2086	5.5	5.9	5.0	6.3	5.7
88	Indigo	5.4	5.4	5.4	5.0	6.7
89	Pick-453	5.4	5.3	5.5	7.7	6.7
90	Brooklawn	5.4	5.1	5.7	6.3	6.0
91	Virginia	5.4	5.2	5.6	6.7	4.3
92	Bordeaux	5.4	5.9	4.9	7.0	3.3
93	Monte Carlo	5.4	5.4	5.3	8.3	6.3
94	A97-945	5.4	5.3	5.5	6.3	5.7
95	Serene	5.4	5.4	5.4	6.3	7.3
96	HV 238	5.4	5.0	5.8	6.3	6.7
97	Midnight	5.4	5.8	5.0	5.7	7.7
98	A97-1244	5.4	5.3	5.4	7.7	6.7
99	Total Eclipse	5.4	5.5	5.2	6.3	8.0
100	Blacksburg	5.4	5.1	5.6	6.3	6.3
101	A96-304	5.3	5.9	4.7	8.0	7.3
102	Pp H 6351	5.3	5.6	5.0	6.7	4.7
103	Blueridge	5.3	5.3	5.3	7.3	5.3
104	Wildwood	5.3	5.0	5.6	7.3	7.0
105	A97-1343	5.3	5.3	5.3	6.7	4.0

Table 7 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Leaf Spot <sup>2</sup> May 2001	Steminess <sup>3</sup> May 2001
		2000- 2001 Avg.	2000 Avg.	2001 Avg.		
106	Barcelona	5.3	5.2	5.3	6.3	7.3
107	Explorer	5.2	5.7	4.8	6.0	7.3
108	SCR-282	5.2	5.5	4.9	5.3	3.3
109	Shamrock	5.2	5.0	5.5	7.3	5.3
110	Pick-232	5.2	5.5	4.9	6.7	3.0
111	A97-2306	5.2	5.2	5.2	5.0	5.3
112	A95-1043	5.2	5.3	5.1	7.3	5.0
113	Brunswick	5.2	4.8	5.6	5.3	5.7
114	Nustar	5.2	5.2	5.2	6.0	5.3
115	H92-577	5.2	5.2	5.2	7.3	8.7
116	A96-1201	5.2	5.7	4.6	4.0	8.3
117	A96-340	5.2	5.3	5.0	7.0	4.3
118	Festina	5.2	4.8	5.5	5.7	9.0
119	A97-408	5.2	5.4	4.9	6.7	5.0
120	Pp H 7875	5.1	5.2	5.0	6.0	6.7
121	Cabernet	5.1	5.4	4.9	4.3	6.3
122	Leonie	5.1	5.1	5.1	5.0	6.3
123	Baron	5.1	4.9	5.2	4.3	4.7
124	A96-1322	5.1	4.6	5.5	7.0	6.3
125	Bartitia	5.1	5.0	5.1	5.7	5.3
126	A97-1276	5.1	5.2	4.9	7.3	4.7
127	HV 230	5.0	4.9	5.2	5.7	6.0
128	Suffolk	5.0	5.4	4.7	6.0	3.7
129	Bluechip	5.0	4.8	5.3	4.7	5.0
130	SCR-320	5.0	5.4	4.7	5.3	4.3
131	A97-1492	5.0	5.1	4.9	6.3	4.7
132	Baronie	5.0	5.1	4.9	6.3	3.0
133	Eagleton	5.0	4.9	5.1	3.0	7.0
134	A94-976	4.9	5.1	4.7	7.0	3.7
135	A96-739	4.9	4.8	5.1	6.3	4.0
136	Limousine	4.9	5.1	4.7	6.3	5.7
137	Nublu	4.9	5.4	4.4	6.3	5.0
138	Champagne	4.9	4.7	5.1	6.7	4.7
139	Pp 8	4.8	4.8	4.9	5.3	5.0
140	Pp H 7982	4.8	4.6	5.0	5.7	6.0

Table 7 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Leaf Spot <sup>2</sup> May 2001	Steminess <sup>3</sup> May 2001
		2000- 2001 Avg.	2000 Avg.	2001 Avg.		
141	Pp H 6370	4.8	5.0	4.6	4.0	5.0
142	JC 91 L2	4.8	5.2	4.3	6.0	5.0
143	A97-1294	4.8	4.8	4.7	6.0	6.7
144	Pp H 7925	4.7	4.6	4.8	6.0	4.7
145	Nassau	4.7	4.9	4.6	5.0	4.3
146	Pp H 7832	4.7	4.7	4.7	3.7	7.0
147	Touchdown	4.7	4.7	4.6	5.7	5.3
148	Georgetown	4.6	5.0	4.3	5.7	2.7
149	Julius	4.6	4.3	4.9	5.7	5.0
150	Barzan	4.6	4.5	4.6	4.0	3.0
151	A97-1258	4.5	5.2	3.8	7.0	4.3
152	Voyager	4.5	4.7	4.3	3.0	6.0
153	Sabine	4.5	4.0	5.0	5.7	6.3
154	CPA-421	4.5	4.2	4.8	5.3	4.7
155	A97-1297	4.5	4.7	4.3	7.0	3.0
156	Pp H 7759	4.4	4.4	4.4	6.3	4.3
157	CVB 17921	4.4	4.4	4.4	4.3	4.7
158	RSP	4.4	4.5	4.2	1.3	8.3
159	Barblue	4.3	5.1	3.5	6.3	5.3
160	K 994	4.3	4.4	4.2	4.7	3.7
161	Pp H 6819	4.3	4.5	4.0	2.0	6.3
162	K 984	4.3	4.0	4.5	6.7	3.3
163	SCEC-183	4.2	4.7	3.8	1.3	6.3
164	Pp H 7929	4.2	4.2	4.2	5.7	4.7
165	Pp H 7921	4.1	4.2	4.0	5.3	5.0
166	94AN-8	4.1	4.2	4.0	4.7	5.3
167	Pp H 7776	4.1	3.9	4.2	3.3	5.0
168	Pp H 7777	4.0	4.4	3.7	5.0	3.0
169	Pp H 7904	4.0	4.0	4.0	5.3	4.7
170	SCEC-194	4.0	3.7	4.3	3.7	2.7
171	Pp H 7907	3.9	4.2	3.7	5.3	5.3
172	Pp H 7902	3.8	3.7	4.0	5.7	4.7
173	Huntsville	3.7	3.9	3.6	1.7	5.7
174	95AN-24	3.7	3.7	3.7	2.7	4.0
175	95AN-1	3.7	3.6	3.8	5.3	3.3

Table 7 (continued).

	Cultivar or Selection	-----Turf Quality <sup>1</sup> -----			Leaf Spot <sup>2</sup> May 2001	Steminess <sup>3</sup> May 2001
		2000- 2001 Avg.	2000 Avg.	2001 Avg.		
176	K 993	3.6	4.1	3.2	3.0	6.0
177	K 992	3.6	3.7	3.5	4.3	3.0
178	K 985	3.6	3.6	3.5	1.3	6.3
179	P 226	3.5	3.4	3.6	2.7	4.3
180	P 243	3.1	2.9	3.2	1.0	6.0
181	P 247	3.1	3.2	2.9	1.3	7.0
182	P 242	2.8	2.7	2.8	1.0	6.0
183	P 236	2.6	2.0	3.2	2.3	5.0
LSD at 5% =		0.7	0.8	0.7	1.3	2.0

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

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

<sup>3</sup>9 = fewest visible seed heads

Table 8. Performance of Kentucky bluegrass and Texas bluegrass hybrid cultivars and selections in a turf trial seeded in September 1999 at Adelphia, NJ. (Medium-Low Maintenance Test.)

	Cultivar or Selection	Species <sup>1</sup>	-----Turf Quality <sup>2</sup> -----		
			2000-2001 Avg.	2000 Avg.	2001 Avg.
1	Barkoel	Koel	5.5	5.5	5.4
2	Charisma	KBG	5.5	5.1	5.8
3	A99LM-15	TxB hyb	5.2	5.1	5.3
4	SCEC-157	KBG	5.2	4.6	5.7
5	95AN-10	KBG	5.0	4.7	5.4
6	Virginia	KBG	4.8	4.1	5.5
7	Moon Shadow	KBG	4.8	4.3	5.2
8	A99LM-17	TxB hyb	4.8	4.5	5.1
9	SCEC-194	KBG	4.8	4.9	4.6
10	A99LM-23	TxB hyb	4.7	4.2	5.2
11	SCR-320	KBG	4.7	4.4	5.0
12	Pick-417	KBG	4.7	4.3	5.1
13	Touchdown	KBG	4.7	4.3	5.1
14	P 247	KBG	4.7	5.1	4.2
15	A91-100	KBG	4.7	4.3	5.0
16	Pp 8388	KBG	4.7	3.9	5.4
17	A99LM-7	TxB hyb	4.6	4.0	5.2
18	A99LM-22	TxB hyb	4.6	4.2	5.0
19	SCR-282	KBG	4.6	3.7	5.5
20	A99LM-16	TxB hyb	4.6	4.3	4.8
21	P 226	KBG	4.5	4.7	4.3
22	A99LM-12	TxB hyb	4.5	3.9	5.1
23	Barzan	KBG	4.5	3.9	5.0
24	Julius	KBG	4.4	4.3	4.6
25	A99LM-18	TxB hyb	4.4	3.4	5.4
26	SCEC-204	KBG	4.4	4.3	4.5
27	P 242	KBG	4.3	4.9	3.7
28	Barcelona	KBG	4.3	4.1	4.5
29	SCEC-196	KBG	4.3	3.9	4.6
30	Eagleton	KBG	4.3	4.0	4.5
31	Leonie	KBG	4.3	3.9	4.6
32	Indigo	KBG	4.3	3.8	4.7
33	Yvette	KBG	4.3	3.9	4.6
34	Baron	KBG	4.3	3.9	4.6
35	Bartitia	KBG	4.3	3.4	5.1

Table 8 (continued).

	Cultivar or Selection	Species <sup>1</sup>	-----Turf Quality <sup>2</sup> -----		
			2000-2001 Avg.	2000 Avg.	2001 Avg.
36	A99LM-8	TxB hyb	4.2	3.8	4.6
37	Explorer	KBG	4.2	4.0	4.4
38	A99LM-9	TxB hyb	4.2	3.8	4.6
39	Festina	KBG	4.2	4.0	4.3
40	America	KBG	4.1	3.7	4.6
41	CPA-421	KBG	4.1	4.2	4.0
42	CAS-NA	KBG	4.1	4.2	3.9
43	A89-352	KBG	4.1	3.7	4.4
44	SCEC-183	KBG	4.0	3.3	4.8
45	Pp 8	KBG	4.0	4.1	3.9
46	Pp H6819	KBG	4.0	3.6	4.4
47	CVB 17921	KBG	4.0	3.7	4.2
48	Baronie	KBG	4.0	3.2	4.7
49	P 243	KBG	3.9	3.8	4.0
50	Pick-453	KBG	3.8	3.5	4.1
51	A96-418	KBG	3.7	4.1	3.2
52	Barblue	KBG	3.6	3.2	4.0
53	94AN-8	KBG	3.6	3.2	3.9
54	JC 91 L2	KBG	3.5	3.1	3.8
55	Dragon	KBG	3.4	2.8	4.0
56	Reveille	TxB hyb	3.4	3.3	3.4
57	95AN-24	KBG	3.3	3.2	3.4
58	Sabine	KBG	3.2	3.2	3.3
59	P 236	KBG	2.8	2.3	3.4
60	Poa compressa	Poa comp	2.8	2.3	3.4
61	95AN-1	KBG	2.7	2.7	2.7
	LSD at 5% =		1.0	1.1	1.1

<sup>1</sup>Species abbreviations:

KBG=Kentucky bluegrass

Koel=Koeleria

Poa comp=*Poa compressa* (Canada bluegrass)

TxB hyb=Texas x Kentucky bluegrass hybrid

<sup>2</sup>9 = best turf quality



Table 9. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in August 2000 at North Brunswick, NJ. (Includes all entries of the 2000 National Kentucky Bluegrass Medium-High Maintenance Test - NTEP.)

	Cultivar or Selection	Turf Quality <sup>1</sup> 2001 Avg.	Establish- ment <sup>2</sup> Sept. 2001	Spring Green- up <sup>3</sup> April 2001	Heat Toler- ance <sup>4</sup> July 2001	Density <sup>5</sup> Sept. 2001	Genetic Color <sup>6</sup> Sept. 2001	Leaf Texture <sup>7</sup> Nov. 2001	Winter Color <sup>8</sup> Jan. 2002
1	Moonlight	7.1	6.7	3.3	8.3	5.7	7.7	3.3	5.0
2	J-2695	6.9	6.7	2.0	7.3	7.3	6.7	6.0	6.3
3	Impact	6.9	6.8	2.0	6.7	6.3	7.0	6.0	6.7
4	Award	6.8	6.4	2.0	5.3	7.7	6.7	5.3	5.3
5	J-2487	6.8	6.8	2.3	5.3	7.3	7.0	6.0	6.0
6	PST-731	6.7	5.2	1.3	5.7	7.0	7.3	5.7	6.7
7	J-1838	6.6	4.7	1.0	5.7	8.0	7.3	5.7	5.7
8	Royale	6.6	6.4	4.0	9.0	6.7	5.7	6.7	5.0
9	Liberator	6.6	7.0	3.0	6.0	6.7	6.0	6.0	6.0
10	Midnight	6.5	5.6	1.7	6.0	7.0	7.0	5.7	6.3
11	Total Eclipse	6.4	6.0	2.0	5.3	6.3	7.3	5.3	6.3
12	Bedazzled	6.4	5.4	2.7	7.3	5.7	5.3	4.3	6.0
13	Arcadia	6.4	6.1	1.7	5.7	5.3	6.7	5.3	6.0
14	PST-739	6.3	6.1	1.7	5.3	7.0	7.3	5.7	6.3
15	Odyssey	6.3	6.2	1.7	5.7	7.0	6.3	5.7	5.0
16	J-1513	6.3	6.1	2.0	5.7	7.0	7.7	5.7	6.0
17	J-1655	6.3	6.4	1.3	5.7	7.3	7.0	6.0	5.7
18	Hallmark	6.3	6.8	3.7	6.7	6.0	6.0	6.7	5.0
19	Quantum Leap	6.3	4.7	1.0	4.3	6.3	7.7	5.7	6.7
20	Unknown	6.3	6.1	1.0	4.7	6.3	7.3	5.7	6.7
21	J-1515	6.3	5.9	1.3	4.7	6.3	7.7	5.7	6.0
22	J-2890	6.3	5.1	1.3	5.0	6.7	7.7	6.3	6.0
23	Langara	6.3	6.2	4.3	7.7	6.0	6.0	6.0	6.3
24	J-1368	6.3	4.9	1.7	5.3	7.3	8.3	6.0	6.0
25	J-1880	6.3	4.8	1.3	5.3	6.7	7.3	5.7	6.3
26	H97-695	6.3	5.1	1.0	5.0	6.0	7.7	5.3	6.7
27	J-2561	6.2	5.6	1.7	5.7	6.7	7.3	6.0	5.7
28	J-1420	6.2	5.0	1.3	5.7	6.3	7.0	5.7	6.0
29	Serene	6.2	6.7	5.0	6.7	7.0	6.3	6.7	6.0
30	Boutique	6.2	5.4	3.7	7.3	5.3	6.3	5.0	6.0
31	A98-304	6.2	6.0	3.0	7.7	7.7	5.0	6.3	4.0
32	Rugby II	6.1	5.0	1.7	5.0	7.0	7.7	6.0	5.7
33	NuGlade	6.1	6.6	2.3	5.0	6.0	6.3	5.7	5.7
34	A98-205	6.1	6.0	3.0	7.0	6.0	7.0	5.0	6.0
35	Cabernet	6.1	4.5	4.7	5.7	6.7	5.7	6.3	5.3

Table 9 (continued).

		Turf Quality <sup>1</sup>	Establish- ment <sup>2</sup>	Spring Green- up <sup>3</sup>	Heat Toler- ance <sup>4</sup>	Density <sup>5</sup>	Genetic Color <sup>6</sup>	Leaf Texture <sup>7</sup>	Winter Color <sup>8</sup>
	Cultivar or Selection	2001 Avg.	Sept. 2001	April 2001	July 2001	Sept. 2001	Sept. 2001	Nov. 2001	Jan. 2002
36	A99-LM16 (TxB hyb) <sup>9</sup>	6.1	6.8	1.0	7.3	7.0	4.0	7.0	3.3
37	Eagleton	6.1	6.5	5.3	7.0	7.3	4.0	4.0	5.7
38	Blackstone	6.0	6.3	5.3	6.3	5.7	3.7	6.0	6.7
39	Bordeaux	5.9	6.0	2.7	7.0	5.7	6.7	5.0	4.3
40	A97-1411	5.9	6.7	4.0	7.7	6.7	5.7	6.3	4.0
41	J-1648	5.9	6.0	2.0	4.0	6.0	7.3	5.3	6.7
42	Rita	5.9	6.1	4.0	7.3	5.0	5.3	4.7	7.0
43	IB7-308	5.9	2.9	1.3	7.0	6.0	8.3	2.7	4.7
44	Shamrock	5.9	6.2	5.7	6.7	6.7	5.3	6.0	6.7
45	HV 140	5.9	5.3	2.0	6.7	7.0	5.3	7.7	6.7
46	A98-890	5.9	5.8	5.7	7.3	6.7	5.3	7.3	7.0
47	Alpine	5.8	6.0	1.3	5.0	7.0	6.3	7.7	5.7
48	Everglade	5.8	4.7	1.3	4.3	6.3	7.7	5.3	5.7
49	Monte Carlo	5.8	4.7	2.3	7.3	5.3	7.7	3.3	5.3
50	SRX 26351	5.8	5.9	3.7	6.7	5.7	4.7	7.3	6.7
51	PST-1701	5.8	5.8	5.3	7.3	7.3	4.0	7.3	4.7
52	PST-161	5.8	4.1	4.7	5.3	5.7	6.0	4.3	5.7
53	SRX 2394	5.8	6.4	4.0	7.0	5.3	6.3	5.3	4.7
54	Moon Shadow	5.8	5.1	3.7	6.0	6.0	5.3	6.0	5.3
55	A96-739	5.8	5.7	3.7	7.7	5.3	6.3	5.0	4.7
56	A95-1930	5.8	7.7	7.0	7.0	6.7	4.0	7.7	4.3
57	A98-296	5.7	5.4	3.7	7.3	5.7	7.3	5.3	5.0
58	Lilly	5.7	6.8	6.0	7.3	6.0	3.3	4.0	7.0
59	A97-1432	5.7	4.7	2.7	6.0	5.7	6.7	5.3	6.3
60	SRX-2114	5.7	5.7	2.7	4.7	5.0	5.7	6.0	5.3
61	Pick-232	5.7	7.1	4.0	6.7	5.7	7.3	5.3	5.0
62	Mallard	5.7	4.7	2.7	7.0	5.3	6.3	5.3	6.7
63	B3-171	5.7	5.1	3.0	6.3	5.7	5.3	6.0	5.3
64	A98-2038	5.7	4.7	2.0	5.3	5.0	8.7	5.0	6.3
65	Princeton-105	5.7	6.6	2.3	5.0	5.0	5.7	5.3	4.7
66	H94-293	5.7	5.5	3.3	6.3	6.0	5.7	5.7	5.0
67	PST-B5-89	5.7	3.8	1.3	6.7	5.7	8.0	3.7	5.0
68	Brooklawn	5.7	5.8	4.3	7.0	7.0	5.0	6.0	6.3
69	Apollo	5.7	6.7	3.3	7.7	5.3	5.0	6.0	4.0
70	Raven	5.6	7.0	4.7	6.7	6.0	3.7	4.7	3.3

Table 9 (continued).

		Turf Quality <sup>1</sup>	Establish- ment <sup>2</sup>	Spring Green- up <sup>3</sup>	Heat Toler- ance <sup>4</sup>	Density <sup>5</sup>	Genetic Color <sup>6</sup>	Leaf Texture <sup>7</sup>	Winter Color <sup>8</sup>
	Cultivar or Selection	2001 Avg.	Sept. 2001	April 2001	July 2001	Sept. 2001	Sept. 2001	Nov. 2001	Jan. 2002
71	Wildwood	5.6	7.0	4.7	5.3	4.7	5.0	6.7	5.7
72	A97-1715	5.6	3.8	3.7	6.0	7.3	5.7	5.7	4.0
73	HV 238	5.6	4.2	4.7	5.7	5.7	4.7	5.3	5.7
74	Everest	5.6	4.5	1.0	5.3	6.0	7.3	5.7	6.0
75	Bar Pp 0468	5.6	4.3	2.7	8.0	6.3	6.0	6.3	4.0
76	Brilliant	5.6	5.0	3.3	7.7	6.0	5.7	5.3	4.3
77	Blue Knight	5.6	6.2	1.7	4.3	5.7	6.7	6.3	6.0
78	Abbey	5.6	7.0	5.3	7.3	6.3	3.7	5.3	3.7
79	BA82-288	5.6	5.9	4.0	6.7	5.3	5.7	5.7	6.3
80	A98-305	5.6	6.2	3.3	7.7	6.0	5.3	6.0	3.3
81	A98-1028	5.5	5.7	5.0	7.0	5.7	4.3	6.0	5.7
82	Rambo	5.5	5.7	2.7	5.0	5.7	6.7	5.7	6.0
83	A97-1567	5.5	6.9	3.7	6.7	5.0	6.0	4.3	7.0
84	DLF-76-9036	5.5	6.0	2.7	7.0	5.7	4.0	4.0	4.0
85	Fairfax	5.5	6.6	5.3	6.7	5.3	4.0	4.0	6.0
86	A96-427	5.5	4.8	3.3	7.0	5.3	5.0	5.3	5.7
87	J-2885	5.5	4.2	2.7	4.3	5.7	7.0	5.3	6.7
88	SRX 2284	5.5	6.1	4.3	6.7	7.0	6.0	5.7	5.7
89	A97-1409	5.5	4.7	4.0	6.0	4.7	6.7	4.3	5.7
90	Pro Seeds 453	5.5	3.6	2.0	7.0	6.0	6.0	6.3	4.0
91	Chicago II	5.4	5.1	2.3	3.7	4.0	8.0	4.3	6.0
92	Unique	5.4	5.3	3.0	8.0	6.3	4.7	6.3	3.0
93	Lakeshore	5.4	5.2	5.3	7.3	6.0	5.0	6.0	6.0
94	DLF-76-9037	5.4	6.4	3.3	7.7	5.7	6.0	5.3	3.7
95	PST-1804	5.4	6.7	6.0	6.3	6.0	4.0	6.3	5.3
96	PST-B3-170	5.4	5.0	4.0	6.0	5.0	5.0	6.0	5.7
97	B3-185	5.4	4.8	2.3	7.3	6.0	5.3	5.7	3.7
98	PST-106-27	5.4	3.9	2.0	7.3	6.3	5.7	5.3	3.7
99	Envicta	5.4	6.6	4.0	6.7	6.0	4.7	3.0	4.7
100	Baron	5.4	5.3	2.7	7.0	6.3	4.7	4.7	4.3
101	A94MH-94	5.4	6.1	2.7	5.7	7.0	6.0	3.0	5.7
102	Coventry	5.4	5.7	4.3	6.7	6.3	4.0	3.3	5.3
103	Goldrush	5.4	5.6	2.0	6.7	6.3	4.7	5.7	3.3
104	Bartitia	5.3	5.5	2.3	6.0	6.0	4.0	6.3	6.0
105	Freedom II	5.3	4.9	1.7	4.7	5.0	5.7	5.3	6.0

Table 9 (continued).

		Turf Quality <sup>1</sup>	Establish- ment <sup>2</sup>	Spring Green- up <sup>3</sup>	Heat Toler- ance <sup>4</sup>	Density <sup>5</sup>	Genetic Color <sup>6</sup>	Leaf Texture <sup>7</sup>	Winter Color <sup>8</sup>
	Cultivar or Selection	2001 Avg.	Sept. 2001	April 2001	July 2001	Sept. 2001	Sept. 2001	Nov. 2001	Jan. 2002
106	Ba 84-140	5.3	5.8	1.0	5.3	6.3	7.7	5.7	3.3
107	Pp H7832	5.3	5.1	3.0	4.3	5.3	5.0	4.3	5.7
108	BA81-058	5.3	6.4	5.7	6.3	4.7	6.0	4.7	6.7
109	PST-B5-125	5.3	4.3	2.7	5.0	5.3	5.7	6.7	5.7
110	A98-1275	5.3	3.5	2.3	4.3	6.0	6.7	4.7	5.3
111	BAOO-6001	5.3	3.4	1.3	6.0	4.7	6.7	5.3	5.0
112	A97-558	5.3	4.1	3.3	5.0	5.3	7.3	4.3	5.3
113	B4-128A	5.3	5.5	3.7	5.7	6.7	5.3	7.3	6.3
114	SI A96-386	5.3	3.8	1.7	7.0	5.3	5.7	3.7	5.3
115	A97-1330	5.3	5.4	3.0	7.3	6.0	5.3	6.3	3.7
116	H92-203	5.3	4.9	2.0	7.0	6.3	5.3	6.3	4.0
117	A96-1201	5.3	5.5	5.0	7.3	7.0	4.7	9.0	5.3
118	North Star	5.2	5.3	2.0	5.3	6.3	4.7	7.3	5.7
119	Limerick	5.2	6.3	4.0	7.0	6.0	4.0	6.7	4.0
120	Bar Pp 0471	5.2	4.2	2.7	7.0	6.3	5.3	6.0	4.0
121	York Harbor 4	5.2	4.3	3.0	5.3	5.0	6.0	6.0	6.0
122	Pick 453	5.2	5.2	2.3	4.7	6.0	7.7	3.3	5.0
123	Blue Ridge	5.2	3.0	1.7	5.7	5.0	6.7	3.7	6.0
124	Bariris	5.2	6.4	6.0	4.7	5.7	4.3	4.7	5.7
125	B5-45	5.2	4.4	3.0	5.7	5.0	4.3	4.0	5.3
126	Jefferson	5.2	6.7	7.0	5.7	5.0	3.7	4.3	7.0
127	BHOO-6002	5.2	6.2	6.7	7.0	5.0	3.7	4.3	3.3
128	Misty	5.2	5.8	4.0	4.7	6.0	4.7	4.3	7.3
129	Pp H6366	5.2	6.5	4.7	5.7	6.0	4.0	7.7	4.3
130	Showcase	5.1	4.2	3.0	7.3	6.3	5.0	5.7	4.0
131	A95-1606	5.1	6.8	6.3	6.0	6.3	5.0	5.7	6.3
132	PST-H5-35	5.1	2.9	2.3	5.3	5.3	7.0	5.3	6.7
133	Julia	5.1	3.9	3.7	4.3	6.3	5.3	6.3	6.3
134	Sonoma	5.1	5.0	2.3	6.7	5.3	6.0	5.0	5.3
135	SRX 27921	5.1	5.3	2.0	4.3	5.3	7.7	7.0	4.7
136	A98-183	5.1	2.8	2.3	7.0	5.3	6.7	4.3	4.3
137	PST-B4-246	5.1	3.0	1.7	4.7	5.0	5.7	6.3	4.7
138	Pp H6370	5.0	4.7	2.3	5.3	6.7	4.7	7.7	6.0
139	Allure	5.0	3.6	3.0	6.0	6.3	4.7	4.0	6.3
140	Marquis	5.0	5.4	2.3	6.7	6.0	4.7	3.7	3.0

Table 9 (continued).

		Turf Quality <sup>1</sup>	Establish- ment <sup>2</sup>	Spring Green- up <sup>3</sup>	Heat Toler- ance <sup>4</sup>	Density <sup>5</sup>	Genetic Color <sup>6</sup>	Leaf Texture <sup>7</sup>	Winter Color <sup>8</sup>
	Cultivar or Selection	2001 Avg.	Sept. 2001	April 2001	July 2001	Sept. 2001	Sept. 2001	Nov. 2001	Jan. 2002
141	A98-365	5.0	4.0	1.7	5.3	5.7	7.0	4.3	4.3
142	PST-IBMY	4.9	4.0	2.3	5.0	5.3	6.0	3.7	5.3
143	Barzan	4.9	3.0	1.7	6.3	6.7	3.7	7.0	7.0
144	A97-857	4.9	3.8	3.0	4.3	7.3	5.3	7.7	6.3
145	PST-222	4.9	4.1	1.7	5.3	5.3	7.7	3.3	5.3
146	NA-K991	4.9	5.2	2.3	4.3	3.7	6.3	3.7	5.3
147	A96-451	4.9	3.3	2.3	4.7	4.7	6.7	3.3	5.7
148	PST-H6-150	4.8	3.5	2.3	7.0	6.0	5.7	5.7	3.7
149	Pick 417	4.8	4.8	2.3	4.0	6.0	7.0	2.7	5.3
150	Bar Pp 0573	4.8	3.6	1.3	7.3	5.3	5.3	5.3	5.7
151	Julius	4.8	5.5	4.7	4.0	5.3	4.3	7.7	5.3
152	Ascot	4.8	4.2	1.0	5.3	5.3	7.3	5.7	6.0
153	Chateau	4.7	2.6	3.3	5.3	4.7	4.0	2.0	5.3
154	Limousine	4.7	5.5	4.3	5.3	5.3	4.3	5.7	5.3
155	PST-108-79	4.7	2.3	2.3	6.0	6.0	4.7	6.7	7.0
156	Bar Pp 0566	4.7	2.2	2.0	6.3	4.7	8.3	5.0	6.0
157	Champagne	4.7	4.3	5.3	5.7	6.0	5.0	6.0	6.3
158	BA83-113	4.6	4.2	5.0	5.3	5.0	6.3	4.0	7.0
159	DLF-76-9032	4.6	3.1	1.0	4.3	6.0	6.0	6.7	3.3
160	B5-144	4.6	3.2	2.7	5.3	5.7	4.7	3.3	6.0
161	A98-139	4.6	4.8	7.0	5.0	7.0	6.3	4.0	5.3
162	PST-604	4.6	3.8	2.7	4.7	5.0	7.0	4.0	5.0
163	Pp H7907	4.6	4.2	1.7	5.0	5.0	6.0	5.7	4.3
164	Kenblue	4.6	7.4	9.0	3.0	7.7	3.7	9.0	4.3
165	SRX QG-245	4.6	4.9	5.3	4.3	5.0	4.7	6.7	4.3
166	Boomerang	4.5	3.7	1.7	5.3	5.7	6.3	5.7	4.3
167	B5-43	4.5	3.5	2.3	4.7	5.7	4.7	3.7	5.3
168	A96-742	4.5	6.2	7.3	6.0	6.0	4.0	6.3	4.7
169	Washington	4.3	7.9	8.7	5.0	5.7	3.3	7.7	4.7
170	Baronie	4.3	5.9	6.7	4.7	5.3	4.7	3.7	7.0
171	Chelsea	4.3	4.1	1.7	3.0	4.7	4.7	6.7	5.3
172	Baritone	4.2	4.9	4.3	3.3	4.7	4.3	4.7	6.7
173	Wellington	4.2	7.0	9.0	2.7	5.0	4.0	7.3	5.7
174	Jewel	4.2	5.7	6.7	4.0	6.3	5.0	3.7	3.7
175	99AN-53	4.1	3.7	4.0	3.7	4.7	4.7	2.3	4.7

Table 9 (continued).

Cultivar or Selection	Turf Quality <sup>1</sup>	Establishment <sup>2</sup>	Spring Green-up <sup>3</sup>	Heat Tolerance <sup>4</sup>	Density <sup>5</sup>	Genetic Color <sup>6</sup>	Leaf Texture <sup>7</sup>	Winter Color <sup>8</sup>
	2001 Avg.	Sept. 2001	April 2001	July 2001	Sept. 2001	Sept. 2001	Nov. 2001	Jan. 2002
176 GO-9LM9	4.1	8.0	9.0	3.0	6.7	2.7	8.0	5.0
177 A98-407	3.9	2.2	1.3	4.7	4.7	7.7	2.7	4.7
178 Bodacious	3.9	2.8	1.3	3.3	4.3	6.7	4.3	4.7
179 Pp H7929	3.7	2.9	1.3	3.3	4.3	5.0	5.3	5.7
180 CVB-20631	3.5	1.8	1.0	3.7	4.3	5.7	5.0	6.0
181 DLF-76-9034	3.5	2.9	5.3	2.7	4.7	4.0	3.0	3.0
182 BHOO-6003	3.5	3.7	1.7	3.7	4.0	6.7	4.0	5.3
183 NA-K992	3.5	5.3	2.3	3.7	3.7	5.7	5.0	3.0
LSD at 5% =	0.7	1.0	1.5	1.6	1.5	1.2	1.3	1.2

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

<sup>2</sup>9 = quickest establishment (Many entries with slow establishment were established with new crop seed showing varying degrees of after-ripening dormancy; see text.)

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

<sup>4</sup>9 = best heat tolerance

<sup>5</sup>9 = highest shoot density

<sup>6</sup>9 = darkest green color

<sup>7</sup>9 = finest leaf texture

<sup>8</sup>9 = brightest green color during winter

<sup>9</sup>TxB hyb = Texas x Kentucky bluegrass hybrid

Table 10. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2000 at Adelphia, NJ. (Includes all entries in the 2000 National Kentucky Bluegrass Medium-High Maintenance Test - NTEP.)

	Cultivar or Selection	Turf Quality <sup>1</sup> 2001 Avg.	Establishment <sup>2</sup> Sept. 2000	Height <sup>3</sup> Oct. 2000	Color <sup>4</sup> Nov. 2000	Winter Color <sup>5</sup> March 2001	Steminess <sup>6</sup> May 2001
1	Unknown	6.9	7.3	6.7	5.7	4.3	7.7
2	SRX 26351	6.8	6.3	6.3	5.0	5.3	5.3
3	A98-13	6.7	7.0	6.0	8.0	6.3	6.3
4	A98-159	6.7	7.3	6.0	7.3	6.0	6.3
5	PST-1701	6.6	7.3	4.7	4.7	5.7	7.3
6	Indigo	6.6	6.0	7.0	5.7	5.7	6.7
7	A98-726	6.5	6.0	7.7	6.7	5.3	7.7
8	Langara	6.4	7.3	5.0	4.7	7.0	5.3
9	Serene	6.4	7.3	5.7	6.7	5.7	7.3
10	SR 2205	6.3	4.7	7.0	5.7	7.7	5.0
11	PST-108-79	6.3	4.7	7.3	3.7	6.3	5.7
12	Impact	6.3	7.0	6.3	6.3	4.7	7.0
13	Midnight	6.3	7.0	7.0	6.3	4.3	6.7
14	A95-410	6.3	6.0	6.0	5.7	5.3	5.0
15	PST-739	6.3	7.0	7.3	5.7	4.0	8.0
16	J-1838	6.3	6.0	7.7	6.0	4.3	7.3
17	J-1665	6.3	6.7	7.0	6.0	5.0	7.0
18	H97-695	6.3	5.7	7.0	7.0	5.3	7.3
19	Royale	6.2	6.7	6.7	4.0	6.3	5.0
20	A98-948	6.2	7.3	5.7	4.7	4.7	5.7
21	Arcadia	6.2	7.0	6.7	5.7	4.3	6.3
22	A96-265	6.2	5.0	6.3	5.3	5.0	6.0
23	J-2487	6.1	7.3	6.7	5.7	4.3	8.0
24	Freedom II	6.1	5.7	7.3	6.0	6.0	6.0
25	Bedazzled	6.1	5.7	5.7	4.7	7.3	4.7
26	J-2695	6.1	7.7	6.7	5.3	4.3	8.0
27	J-2890	6.1	5.3	7.3	6.0	5.0	7.7
28	J-1880	6.1	6.0	6.3	7.3	5.3	6.7
29	SRX 2109	6.1	5.7	7.0	5.7	6.3	5.0
30	A98-999	6.1	6.3	5.7	6.0	6.7	5.7
31	A96-299	6.1	5.7	7.0	5.0	4.3	5.7
32	Odyssey	6.1	7.3	6.7	5.3	3.7	8.0
33	J-1368	6.1	6.0	6.7	6.0	5.0	7.3
34	Award	6.0	7.3	6.7	6.0	4.7	7.7
35	PST-731	6.0	6.3	7.0	5.7	4.7	8.0

Table 10 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2001 Avg.	Establishment <sup>2</sup> Sept. 2000	Height <sup>3</sup> Oct. 2000	Color <sup>4</sup> Nov. 2000	Winter Color <sup>5</sup> March 2001	Steminess <sup>6</sup> May 2001
36	Moonlight	6.0	7.3	7.3	7.7	7.0	5.3
37	Total Eclipse	6.0	6.0	6.0	5.3	4.7	6.0
38	Moon Shadow	6.0	5.7	7.7	6.0	6.0	5.0
39	A91-703	6.0	7.3	4.0	6.3	5.3	6.7
40	A95-1939	6.0	6.7	5.3	7.3	5.3	6.3
41	HV 140	6.0	7.3	5.0	4.0	3.3	4.7
42	A97-1432	6.0	6.7	6.0	5.7	5.7	4.7
43	DLF-76-9036	6.0	6.7	6.0	4.3	3.0	4.7
44	Princeton P-105	6.0	6.7	6.0	5.3	5.0	6.7
45	A97-1409	6.0	5.7	5.3	7.3	8.3	5.0
46	Liberator	6.0	7.3	7.0	5.3	4.3	6.3
47	95AN-10	6.0	3.7	5.7	4.0	6.0	6.3
48	A99LM-16 (TxB hyb) <sup>7</sup>	6.0	7.7	8.0	4.0	3.3	5.0
49	Explorer	6.0	7.0	8.0	8.0	5.3	7.3
50	Quantum Leap	5.9	4.7	7.3	6.3	5.0	6.7
51	Wildwood	5.9	8.0	4.7	6.0	5.3	5.7
52	Rugby II	5.9	6.7	6.3	5.0	4.3	7.0
53	SRX 2U5	5.9	6.7	6.0	4.3	2.7	6.3
54	Cabernet	5.9	5.3	4.7	4.3	5.3	6.3
55	SRX 2114	5.9	6.7	6.0	5.7	6.7	5.0
56	Pro Seeds 453	5.9	5.7	6.3	4.3	6.7	3.7
57	A98-290	5.9	6.0	5.3	5.7	6.0	3.3
58	Crest	5.9	7.3	6.0	4.7	4.3	4.0
59	SRX 2284	5.9	7.0	6.3	6.7	7.7	5.0
60	J-1513	5.9	7.3	7.0	5.0	4.0	7.7
61	Abbey	5.9	7.7	5.7	4.7	4.0	5.0
62	PST-B5-125	5.9	5.7	5.7	6.0	6.0	5.3
63	A98-2038	5.9	5.7	7.0	8.7	8.3	6.0
64	A98-430	5.9	7.0	6.0	6.3	6.3	5.0
65	Ascot	5.8	5.0	7.0	4.7	3.0	4.3
66	J-1515	5.8	7.0	7.3	6.0	5.0	6.7
67	Ba 82-288	5.8	6.3	5.0	6.3	7.0	5.0
68	Alpine	5.8	7.3	5.3	4.0	3.3	5.0
69	IB7-231	5.8	6.3	5.3	6.0	6.0	5.0
70	IQG-36	5.8	6.3	5.3	5.7	6.3	5.0



Table 10 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2001 Avg.	Establish- ment <sup>2</sup> Sept. 2000	Height <sup>3</sup> Oct. 2000	Color <sup>4</sup> Nov. 2000	Winter Color <sup>5</sup> March 2001	Steminess <sup>6</sup> May 2001
71	J-1420	5.8	6.0	6.7	6.3	4.7	7.7
72	NuGlade	5.8	6.7	6.3	5.0	5.0	7.3
73	PST-161	5.8	7.0	4.7	5.7	5.7	7.0
74	Goldrush	5.8	8.0	6.0	4.0	4.0	4.7
75	Hallmark	5.8	7.3	4.7	5.0	5.3	5.3
76	A98-205	5.8	7.7	6.7	8.0	7.0	5.0
77	A95-1048	5.8	6.0	6.3	5.7	6.7	5.0
78	A96-427	5.7	7.0	5.7	5.3	6.3	5.0
79	Canon	5.7	7.7	6.3	4.7	4.0	4.7
80	A96-296	5.7	6.7	4.3	6.0	6.0	5.0
81	Everglade	5.7	5.3	6.7	6.0	4.7	7.7
82	Pick 417	5.7	7.0	5.3	7.3	5.3	6.3
83	Eagleton	5.7	7.3	5.0	2.3	6.0	6.7
84	Misty	5.7	6.7	6.0	4.0	7.0	4.3
85	Sonoma	5.7	6.7	5.7	5.3	7.0	4.7
86	99AN-39	5.7	6.7	7.0	5.3	4.7	6.3
87	PST-H6-150	5.6	4.0	7.0	3.7	7.0	4.0
88	North Star	5.6	6.0	7.7	4.3	3.7	4.3
89	Coventry	5.6	7.3	6.0	3.0	5.7	5.3
90	Limerick	5.6	6.7	4.0	3.7	4.3	4.7
91	PST York Harbor 4	5.6	6.7	5.3	6.7	6.3	5.0
92	A98-305	5.6	7.0	7.7	3.7	7.7	3.3
93	A98-363	5.6	6.3	6.0	6.0	6.7	5.7
94	A97-1330	5.6	6.7	6.7	3.7	7.0	3.7
95	Mallard	5.6	6.3	6.3	6.0	7.0	4.3
96	Raven	5.6	7.7	5.7	4.7	3.3	4.7
97	A97-1715	5.6	5.3	7.0	5.3	5.3	5.0
98	A98-1001	5.6	7.0	5.7	5.0	5.3	5.0
99	A98-1095	5.6	7.3	6.0	5.3	5.3	5.3
100	J-1648	5.6	6.7	6.3	6.0	5.0	6.3
101	99AN-59	5.6	6.0	6.7	7.7	5.7	5.3
102	SRX 2U17	5.6	5.3	7.3	3.0	6.3	4.7
103	A82-204	5.6	8.3	4.7	6.7	4.7	7.7
104	C-74	5.6	7.3	7.3	3.0	8.0	4.3
105	PST-222	5.5	6.3	7.0	7.0	8.0	4.3

Table 10 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2001 Avg.	Establishment <sup>2</sup> Sept. 2000	Height <sup>3</sup> Oct. 2000	Color <sup>4</sup> Nov. 2000	Winter Color <sup>5</sup> March 2001	Steminess <sup>6</sup> May 2001
106	PST-B3-170	5.5	6.7	5.7	6.0	6.0	4.7
107	Everest	5.5	5.7	7.3	6.0	4.3	8.0
108	A98-1275	5.5	3.0	7.0	5.7	5.0	6.0
109	BAR Pp 0573	5.5	4.7	6.0	5.3	6.0	3.3
110	A98-1025	5.5	6.7	5.3	5.7	4.7	5.0
111	Blackstone	5.5	7.0	5.7	3.0	5.3	5.0
112	Baron	5.5	6.3	6.3	4.7	3.3	4.3
113	Rita	5.5	6.0	4.7	6.0	7.7	5.0
114	A94MH-94	5.5	6.7	5.3	5.0	4.3	5.0
115	A98-877	5.5	7.3	5.3	4.0	3.7	5.0
116	Brilliant	5.5	7.7	7.3	4.0	6.0	3.7
117	B4-128A	5.5	6.0	8.0	3.3	6.0	5.0
118	A98-304	5.5	7.3	6.7	3.3	7.0	4.3
119	Jefferson	5.5	7.3	3.7	4.0	5.7	5.3
120	A98-530	5.5	7.0	7.0	5.7	6.0	5.0
121	A96-1246	5.5	5.0	8.0	4.7	6.0	4.7
122	A97-1560	5.5	7.0	7.7	3.3	6.7	4.0
123	PST-106-27	5.4	6.7	6.7	3.7	6.3	4.3
124	Barzan	5.4	2.3	6.3	3.7	5.0	5.0
125	BAR Pp 0471	5.4	6.3	7.3	3.7	6.7	4.3
126	SRX 2394	5.4	6.7	6.3	6.0	7.3	5.3
127	Boutique	5.4	6.3	5.3	6.3	7.0	5.3
128	H92-203	5.4	7.0	7.3	3.7	7.0	3.7
129	B3-171	5.4	6.7	7.3	4.7	7.0	4.3
130	A98-463	5.4	6.0	6.3	7.0	7.3	4.3
131	Lakeshore	5.4	6.3	5.0	4.3	4.0	5.7
132	J-2885	5.4	5.7	7.0	5.3	4.7	7.0
133	Blacksburg	5.4	5.3	8.0	5.0	5.7	5.0
134	HV 238	5.4	4.0	5.7	5.7	6.3	6.7
135	IB7-308	5.4	5.7	7.7	8.0	7.3	5.7
136	A96-1251	5.4	6.3	7.0	3.0	5.7	5.0
137	Bordeaux	5.3	7.3	5.0	5.3	6.7	3.7
138	Ba 81-058	5.3	6.7	4.3	6.3	8.0	4.7
139	DLF-76-9038	5.3	7.0	6.7	4.0	7.0	4.0
140	Chelsea	5.3	5.0	7.0	3.0	4.0	5.7

Table 10 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2001 Avg.	Establish- ment <sup>2</sup> Sept. 2000	Height <sup>3</sup> Oct. 2000	Color <sup>4</sup> Nov. 2000	Winter Color <sup>5</sup> March 2001	Steminess <sup>6</sup> May 2001
141	J-2561	5.3	5.0	7.3	6.0	5.3	7.7
142	B6-58	5.3	3.7	6.0	3.0	4.7	4.0
143	99AN-50	5.3	6.3	5.7	3.3	4.7	8.0
144	A96-1201	5.3	7.0	5.3	3.7	4.0	8.3
145	BA 00-6001	5.3	4.7	7.7	4.7	4.3	5.0
146	Rambo	5.3	7.3	5.3	4.3	5.3	4.7
147	CVB 20631	5.3	3.7	7.0	4.7	6.0	4.7
148	Chateau	5.3	3.3	6.7	3.0	5.7	4.3
149	A98-881	5.3	5.7	6.3	5.3	5.0	6.0
150	A97-1567	5.3	8.0	6.0	5.7	6.0	4.7
151	SCR-320	5.3	3.3	7.3	3.3	5.7	5.0
152	A97-1475	5.3	7.0	7.0	2.0	7.3	3.3
153	Marquis	5.3	6.0	6.7	4.3	3.0	4.0
154	Bartitia	5.3	6.7	6.0	3.7	4.3	4.3
155	B5-45	5.3	5.3	6.7	3.0	5.3	5.0
156	A98-183	5.3	4.7	6.7	7.3	6.0	6.7
157	Envicta	5.3	8.3	6.0	5.0	4.0	4.7
158	B6-63	5.3	5.7	8.3	2.3	6.7	5.3
159	IQG-38	5.3	6.0	7.7	3.3	7.0	5.0
160	A98-344	5.3	6.7	6.3	7.7	7.7	4.0
161	Barquis	5.2	6.3	4.7	5.0	5.0	6.3
162	Monte Carlo	5.2	6.0	7.3	6.3	6.7	4.7
163	B3-185	5.2	6.7	7.7	3.7	7.0	3.7
164	Apollo	5.2	7.3	7.0	4.0	7.3	3.3
165	PST-1304	5.2	6.3	7.3	3.7	7.0	4.7
166	Pick 232	5.2	7.7	6.7	5.0	5.7	2.7
167	SI A96-386	5.2	5.0	6.3	4.7	5.7	5.3
168	B4-122	5.2	3.7	7.0	4.7	7.7	4.0
169	A98-155	5.2	5.7	5.3	8.0	6.0	7.7
170	K 994	5.2	6.3	4.0	6.7	5.3	6.7
171	SRX 2U33	5.2	6.3	4.7	2.7	5.0	7.7
172	Showcase	5.2	5.3	7.0	4.0	7.3	3.7
173	Blue Knight	5.2	6.3	7.0	6.7	5.0	5.0
174	PpH 6366	5.2	7.0	9.0	2.3	6.0	6.0
175	PST-B4-246	5.2	5.0	6.0	4.7	5.7	5.0

Table 10 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2001 Avg.	Establish- ment <sup>2</sup> Sept. 2000	Height <sup>3</sup> Oct. 2000	Color <sup>4</sup> Nov. 2000	Winter Color <sup>5</sup> March 2001	Steminess <sup>6</sup> May 2001
176	Allure	5.2	4.3	6.0	3.3	5.7	4.3
177	H94-293	5.2	7.0	6.7	3.3	6.7	5.0
178	SCR-282	5.2	6.7	4.0	5.3	7.3	4.7
179	Broadway	5.2	2.7	8.0	5.7	4.3	3.7
180	A98-572	5.2	7.0	7.3	2.7	7.3	4.3
181	A97-1524	5.2	7.7	5.3	6.7	7.0	4.3
182	A96-451	5.1	5.3	6.0	7.3	8.7	3.3
183	Limousine	5.1	6.7	6.0	3.0	6.0	5.3
184	Julia	5.1	6.7	5.3	5.0	5.7	7.0
185	Brunswick	5.1	6.3	5.0	2.7	6.0	6.0
186	Ba 83-113	5.1	5.3	5.7	6.7	6.7	4.0
187	A98-139	5.1	6.7	3.7	6.0	5.0	7.0
188	Unique	5.1	6.0	6.7	3.3	6.7	4.3
189	A98-1028	5.1	6.3	5.3	5.0	5.3	5.7
190	Pick 453	5.1	6.3	5.3	7.0	5.0	6.0
191	Voyager	5.1	6.0	4.3	2.7	5.3	7.7
192	Pp 8	5.1	6.3	6.0	3.7	5.0	7.3
193	SRX 220713	5.1	5.3	7.0	2.7	5.7	5.0
194	A95-414	5.1	2.7	7.3	5.0	5.0	5.3
195	A98-962	5.1	4.7	6.3	3.7	4.7	4.0
196	RSP	5.1	7.7	4.0	3.3	6.3	8.7
197	Fairfax	5.1	7.0	5.7	2.7	5.3	5.0
198	Baritone	5.1	5.0	5.3	5.3	5.3	5.3
199	Blue Ridge	5.1	4.7	6.3	8.7	7.0	4.0
200	SRX 27921	5.1	5.7	6.0	4.7	4.0	5.0
201	BAR Pp 0468	5.1	5.3	7.7	3.3	7.3	4.3
202	PST B6-60	5.1	5.0	6.7	2.7	5.3	5.0
203	SRX 2U20	5.1	6.0	5.7	3.7	4.7	7.0
204	A98-1147	5.1	5.7	7.3	3.3	7.7	3.7
205	America	5.1	7.0	7.0	3.3	7.7	3.3
206	PST-1804	5.0	8.0	5.3	4.3	4.3	5.0
207	PST-H5-35	5.0	5.0	5.7	5.0	6.3	5.0
208	A96-739	5.0	5.7	5.7	6.0	6.0	5.0
209	IQG-28	5.0	5.7	6.7	3.0	6.7	3.7
210	Cynthia	5.0	7.3	5.3	4.3	4.3	5.0

Table 10 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2001 Avg.	Establishment <sup>2</sup> Sept. 2000	Height <sup>3</sup> Oct. 2000	Color <sup>4</sup> Nov. 2000	Winter Color <sup>5</sup> March 2001	Steminess <sup>6</sup> May 2001
211	A98-365	5.0	5.7	6.3	5.7	6.0	5.0
212	A6-214	5.0	6.3	6.3	8.7	4.7	5.3
213	SR 2000	5.0	5.7	6.0	7.0	6.0	5.7
214	PST IBMY	4.9	4.0	5.3	7.0	7.0	5.0
215	B5-144	4.9	5.0	6.7	3.3	5.7	4.3
216	Pp H 6370	4.9	6.0	5.7	4.7	4.7	4.7
217	SRX 2U15	4.9	4.7	7.3	4.3	4.0	4.0
218	Parade	4.9	7.0	4.0	4.3	7.7	4.0
219	Chicago II	4.9	6.3	7.3	7.3	5.7	5.7
220	Pp H 7929	4.9	3.7	6.3	5.0	4.0	5.0
221	Lily	4.9	8.0	6.0	3.0	5.3	5.7
222	BHOO-6002	4.9	7.3	5.7	3.3	4.3	7.7
223	SRX 2036	4.9	6.3	3.0	3.7	5.3	8.0
224	NA K991	4.8	5.7	4.7	8.0	6.0	6.3
225	PST-B5-89	4.8	6.3	7.7	8.7	6.7	4.7
226	Pp H 7832	4.8	6.0	6.0	4.3	5.3	5.3
227	B5-43	4.8	4.7	7.0	3.0	5.7	4.3
228	B3-168	4.8	4.7	7.3	4.0	7.3	4.0
229	K 993	4.8	7.3	4.7	6.0	4.3	7.3
230	Champagne	4.8	5.3	4.0	5.3	5.3	6.0
231	H92-558	4.8	4.7	5.7	6.0	5.7	6.0
232	Shamrock	4.8	6.3	6.0	5.0	5.3	5.0
233	Baronie	4.8	6.3	4.0	4.0	7.0	4.3
234	Merit	4.8	4.3	6.0	5.0	5.7	3.7
235	PpH 7907	4.7	5.0	6.0	5.7	4.7	4.7
236	PST-604	4.7	6.3	6.0	7.7	7.0	5.3
237	Brooklawn	4.7	7.0	5.3	4.0	4.3	4.7
238	SRX OG245	4.7	5.7	5.7	6.0	5.0	7.0
239	Touchdown	4.7	7.0	4.3	3.7	5.0	6.7
240	BAR Pp 0566	4.7	3.3	6.0	7.0	7.3	4.3
241	B5-50	4.7	2.7	6.3	5.3	6.3	4.7
242	W-202-A7	4.7	6.0	8.0	3.0	3.0	6.3
243	99AN-53	4.7	5.0	6.7	5.7	5.0	6.7
244	Livingston	4.7	3.7	5.3	4.7	6.0	4.7
245	DLF-76-9032	4.6	4.3	7.7	3.7	3.0	7.3

Table 10 (continued).

	Cultivar or Selection	Turf Quality <sup>1</sup> 2001 Avg.	Establishment <sup>2</sup> Sept. 2000	Height <sup>3</sup> Oct. 2000	Color <sup>4</sup> Nov. 2000	Winter Color <sup>5</sup> March 2001	Steminess <sup>6</sup> May 2001
246	SR 2100	4.6	6.0	5.3	5.3	3.7	4.3
247	Washington	4.5	7.7	2.7	3.7	4.0	8.3
248	Julius	4.5	6.3	7.7	1.3	5.3	4.7
249	Ba 84-140	4.5	7.0	7.0	7.7	5.3	5.0
250	SCEC-183	4.5	6.7	3.3	5.0	5.7	8.0
251	A98-407	4.4	3.7	6.7	7.7	7.0	3.7
252	CNC 254	4.4	5.7	4.3	5.7	6.3	7.7
253	SRX 2021	4.4	6.3	3.0	3.7	3.7	6.0
254	A96-746	4.3	6.7	3.3	4.3	4.7	6.0
255	Boomerang	4.3	4.7	6.0	7.7	3.7	5.0
256	K 984	4.3	6.7	4.7	7.7	4.3	5.0
257	SRX 2U22	4.3	6.7	2.3	5.0	4.3	8.0
258	A97-857	4.2	5.0	6.7	4.7	6.0	6.3
259	Wellington	4.2	7.3	4.3	3.0	3.7	8.0
260	BH OO-6003	4.2	5.0	6.3	6.3	5.7	5.3
261	99AN-88	4.2	3.0	7.7	6.7	6.3	5.7
262	99PH3-2	4.2	6.3	6.0	2.7	3.7	6.3
263	SRX 27753	4.0	5.3	5.7	8.0	5.7	4.7
264	Jewel	4.0	7.3	3.7	4.3	2.3	7.7
265	DLF-76-9034	3.9	3.3	5.7	4.7	4.3	6.3
266	99AN-16	3.9	4.7	5.3	8.0	6.0	5.3
267	Kenblue	3.9	8.0	3.0	2.7	3.3	9.0
268	NA K992	3.7	5.7	5.7	7.0	3.7	4.7
269	GO-9LM9	3.7	8.3	3.7	3.0	2.3	9.0
270	Bodacious	3.6	3.3	4.7	6.3	4.3	4.3
271	K 995	3.4	4.3	6.7	7.3	5.0	5.7
272	W-501-G5	3.1	1.7	7.0	5.3	3.3	5.3
273	99AN-12	2.6	3.3	7.3	8.7	4.3	4.7
274	W 102A-K	2.1	5.3	7.0	4.7	1.3	6.7
LSD at 5% =		0.8	1.4	1.1	1.3	1.3	1.0

<sup>1</sup>9 = best turf quality<sup>2</sup>9 = quickest establishment<sup>3</sup>9 = shortest plant height<sup>4</sup>9 = darkest green color<sup>5</sup>9 = brightest green color during winter<sup>6</sup>9 = fewest visible seed heads<sup>7</sup>TxB hyb = Texas x Kentucky bluegrass hybrid

Table 11. Performance of Kentucky bluegrass and Texas bluegrass hybrid cultivars and selections in a turf trial seeded in September 2000 at Adelphia, NJ.

	Cultivar or Selection	Species <sup>1</sup>	Turf Quality <sup>2</sup> 2001 Avg.	Establishment <sup>3</sup> Sept. 2000	Vigor <sup>4</sup> Oct. 2000	Spring Green-up <sup>5</sup> April 2001	Steminess <sup>6</sup> May 2001
1	Midnight	KBG	7.2	6.3	7.0	4.0	5.3
2	Langara	KBG	7.1	7.3	5.7	6.0	6.3
3	H97-695	KBG	7.1	5.0	7.3	4.7	5.0
4	47-8xNB-70 der	TxB hyb	6.3	6.3	6.7	3.3	4.7
5	A94MH-94	KBG	6.2	6.0	5.3	4.7	5.0
6	Moonlight	KBG	6.2	5.3	7.7	5.7	4.3
7	Eagleton	KBG	6.2	5.3	6.0	5.0	6.3
8	A99LM-16	TxB hyb	6.1	7.0	7.7	3.3	4.7
9	A96-1201	KBG	6.1	4.7	5.7	5.7	7.3
10	RSP	KBG	6.0	7.0	5.0	8.0	7.7
11	47-8xNB-70 der	TxB hyb	6.0	5.3	8.0	4.0	4.7
12	A91-703	KBG	5.9	6.0	4.7	6.7	6.7
13	H92-333	KBG	5.8	6.7	5.3	6.7	6.0
14	RUGC	KBG	5.5	6.3	3.7	7.0	8.3
15	H86-1248	KBG	5.2	6.0	5.7	6.3	8.3
16	A99LM-8	TxB hyb	5.1	8.0	4.0	7.0	7.7
17	A99LM-9	TxB hyb	4.9	8.0	4.0	7.0	8.0
18	48-3xkb	TxB hyb	4.8	6.7	4.3	6.7	7.7
19	A89-352	KBG	4.8	4.0	6.3	6.0	6.3
20	IM65	KBG	2.9	6.0	7.3	6.7	6.7
21	7-7xJulia	TxB hyb	2.7	3.7	5.3	6.0	6.0
	LSD at 5% =		0.6	1.2	1.0	1.1	1.3

<sup>1</sup>Species abbreviations:

KBG = Kentucky bluegrass

TxB hyb= Texas x Kentucky bluegrass hybrid

<sup>2</sup>9 = best turf quality

<sup>3</sup>9 = quickest establishment

<sup>4</sup>9 = most vigor

<sup>5</sup>9 = earliest spring green-up

<sup>6</sup>9 = fewest visible seed heads

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

	1997			1998			1999			2000			2001		
	N <sup>1</sup>	Ht <sup>2</sup>	N	Ht	N	Ht	N	Ht	N	Ht	N	Ht	N	Ht	
Table 1 (1996 Adelphia) .....	4.3	1.5	4.5	1.5	2.8	1.5	2.1	1.5	2.1	1.5	1.5	1.5	1.5	1.5	
Table 2 (1997 Adelphia) .....			2.0	1.5	3.5	1.5	2.1	1.5	2.1	1.5	1.5	1.5	1.5	1.5	
Table 3 (1998 North Brunswick) .....					1.9	1.5	2.4	1.5	2.4	1.5	2.9	1.5	2.9	1.5	
Table 4 (1998 Adelphia) .....					2.8	1.5	2.8	1.5	2.8	1.5	3.5	1.5	3.5	1.5	
Table 5 (1998 Pittstown) .....					1.3	2.5	1.5	2.5	1.5	2.5	1.0	2.5	1.0	2.5	
Table 6 (1999 North Brunswick) .....							3.4		3.4	1.5	3.6	1.5	3.6	3.0-1.5 <sup>3</sup>	
Table 7 (1999 Adelphia) .....							3.8		3.8	1.5	3.5	1.5	3.5	1.5	
Table 8 (1999 Adelphia) .....							1.7		1.7	2.0	0	2.0	0	2.0	
Table 9 (2000 North Brunswick) .....											5.0	3.0-1.5 <sup>3</sup>	5.0	3.0-1.5 <sup>3</sup>	
Table 10 (2000 Adelphia) .....											3.4	1.5	3.4	1.5	
Table 11 (2000 Adelphia) .....											3.4	1.5	3.4	1.5	

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

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

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