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1995 RUTGERS TURFGRASS PROCEEDINGSx

of thex

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The Rutgers Turfgrass Proceedings, published yearly by the Rutgers Center for Turfgrass Science, Rutgers Cooperative Extension, and the New Jersey Agricultural Experiment Station, Cook College, Rutgers University, in cooperation with the New Jersey Turfgrass Association, has 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, researchers, extension specialists, and industry personnel with opportunities to communicate with co-workers. It also allows these professionals to reach a more general audience, which includes the public. Articles appearing in these proceedings are divided into two sections.

The first section includes lecture notes of papers presented at the 1995 New Jersey Turfgrass Expo. Publication of the New Jersey Turfgrass Expo Notes provides a readily available source of information covering a wide range of topics. The Expo Notes include technical and popular presentations of importance to the turfgrass industry.

The second section includes technical research papers containing original research findings and reviews covering selected subjects in turfgrass science. The primary objective of these papers is to facilitate the timely dissemination of original turfgrass research or 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 a hardy, persistent, and attractive grass that is used extensively for turf throughout the northern half of the United States. It is adapted to a wide range of soils and climates and has extensive rhizomes that provide excellent sod strength and survival. The discovery of 'Merion' by Joseph Valentine in the early 1930s greatly increased the usefulness of Kentucky bluegrass as a turf in regions with a humid, temperate climate. Prior to the release of 'Merion' in 1947, common Kentucky bluegrasses were the predominant type used for turf. However, under conditions of close mowing in humid environments, common-type bluegrasses can suffer extensive turf loss from the disease leaf spot and melting out.

Kentucky bluegrass cultivars have been developed through a number of approaches. Many cultivars were single-plant selections of successful, highly apomictic plants found in old turfs. Other cultivars arose from a blend of plants (naturalized ecotypes) having varying degrees of apomixis. Some cultivars have been developed by blending the progenies of a number of highly apomictic single plants. Considerable effort has recently been directed toward developing highly apomictic cultivars through controlled hybridization of parents having varying degrees of apomixis.

Kentucky bluegrass is considered to be the premier lawn grass in the United States and has been widely used on golf courses, athletic fields, home lawns, and in permanent pastures throughout the northeastern and northcentral regions. The establishment of turf from seed is relatively slow; as a result, Kentucky bluegrass turf is frequently established with sod. The aggressive rhizomes of Kentucky bluegrass spread rapidly and produce a dense, strongly knit sod that performs well in many lawn-type turfs.

PROCEDURES

Twelve trials were established between 1990 and 1994 at North Brunswick, Adelphia, or Pittstown, NJ. Tests were seeded in April (Table 1), September (Tables 2 to 8, 10 to 12), or October (Table 9). Two low maintenance tests were located at Pittstown (Tables 1 and 6), one at North Brunswick (Table 5), and one at Adelphia (Table 12). Medium-high maintenance tests were located at North Brunswick (Table 2) and Adelphia (Table 3 and 10). Four of the tests contained all the entries from the National Turfgrass Evaluation Program (NTEP), which is coordinated by the USDA in Beltsville, MD. Tables 2 and 3 include all the entries of the 1990 Medium-High Maintenance National Kentucky Bluegrass Trial, and Tables 5 and 6 include all entries of the 1990 Low Maintenance National Kentucky Bluegrass Trial coordinated by NTEP.

The soils at the three research farms were moderately fertile and fairly well-drained. The trials at the Pittstown farm were established on a silt loam that retains moisture to a greater extent than the soils at the North Brunswick and Adelphia research farms. This difference in soil type, as

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well as other environmental factors, may have contributed to the decreased incidence and severity of problems related to moisture stress and diseases at the Pittstown research farm.

Entries in each test were sown by hand using a maximum of 0.53 oz of seed per 3 x 5 ft plots (2.2 lb seed/1000 ft²). An unplanted 6 inch border surrounded each plot. Each test was arranged in a randomized complete block design. The number of replications in a test was usually three, but two and four replications were also used. Annual nitrogen (N) fertility and mowing heights for each trial are presented in Table 13. The amount of N applied varied between tests to permit the evaluation of characteristics known to respond to N level. No single nitrogen 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. Reel mowers were used to maintain a 1.5 inch height of cut, whereas rotary mowers were employed to maintain higher cuts.

After establishment, summer annual weeds were controlled by a spring application of DCPA or bensulide, and broadleaf weeds were controlled by an autumn application of 2,4-D and dicamba. No other pesticides were applied. Soil pH was normally maintained between 6.0 and 6.5 with agricultural limestone. Low maintenance tests (Tables 1, 5, 6, and 12) were normally irrigated after establishment. The other tests were generally irrigated to avoid severe drought stress.

All tests were rated frequently throughout the growing season for turf quality (i.e., attractive color, leaf texture, adequate density, uniformity, and freedom from disease and insect damage). Other characteristics, including darkness of color, height of growth, seedling vigor, winter dormancy, winter color (green and purple), stripe smut disease, and recovery from summer stress, were evaluated separately on some tests when differences between entries existed. All ratings were based on a 1 to 9 scale, where 9 represented the most favorable turf quality or desirable turf characteristic. Ratings were scored by more than one person on many occasions to reduce individual preferences toward a particular trait.

RESULTS

Results are presented in Tables 1 through 12. Entries in each table are ranked according to their overall (multi-year) quality average.

Many distinct types of Kentucky bluegrass have been released, and these turfs can be classified into groups based on growth and performance characteristics. The following descriptions of the various types of Kentucky bluegrass 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 2 and 3.

Aggressive Type. This group of cultivars is recognized for its aggressive lateral growth habit and the development of a turf with high shoot density. An aggressive, dense growth may be advantageous for highly trafficked turfs and can hasten the development of a mature sod. Aggressive cultivars can dominate other species or cultivars when used in blends or mixtures. If aggressive cultivars dominate a stand, this could lead to the rapid expression of the cultivar's strengths or weaknesses. The characteristics of spring green-up and disease susceptibility vary considerably among these cultivars. In 1995, these cultivars had good resistance to stripe smut

disease. Winter dormancy and color is variable within this group, and recovery from summer stresses ranged from poor to moderate.

Bellevue Type. These cultivars form a turf with medium-low growth, medium-wide leaves, and medium shoot density. Excellent cool-season vigor exists in this group, which is evident by the excellent color retention and turf quality during the winter and early spring green-up. Bellevue types have moderate recuperative ability from summer stress and possess good resistance to leaf spot and current races of stripe smut disease. Reproductive stems can be obvious in these turfs during late spring.

BVMG Type (Baron, Victa, Merit, Gnome Type). This widely used group of cultivars has high seed yield potential and can generally produce good quality turf. These cultivars have medium-low growth, medium-wide leaves, and produce a medium-density turf. Seed heads frequently detract from the appearance of these cultivars in late spring and early summer. Although the BVMG group has moderately good resistance to leaf spot disease, all entries evaluated in long term trials at Rutgers are susceptible to a new race of stripe smut disease. This group of cultivars generally has poor winter color and greater winter dormancy. Recovery from summer stress ranged from poor to moderate.

CELA Type (Challenger, Eclipse, Liberty, Adelphi Type). These turf-type cultivars exhibit early spring green-up. This group has moderate to good stripe smut resistance, good resistance to leaf spot, and variable winter color and dormancy.

Cheri Type. These cultivars possess growth and performance characteristics similar to the cultivar 'Cheri.' They will produce a turf of medium-low growth and medium density, with medium-wide leaves. These cultivars have moderate resistance to leaf spot and dollar spot disease and possess good resistance to the stripe smut disease. Seed yield potential of these cultivars is relatively high. Moderate winter dormancy is exhibited by these cultivars.

Compact Type. Cultivars within this group are characterized by a low, compact growth habit and possess good to excellent resistance to leaf spot disease. Many cultivars can form a highly attractive turf after slow green-up in spring. Generally, these cultivars have a long winter dormancy, and a purple coloration can be observed on many cultivars during cold weather. Some cultivars, however, do exhibit better winter performance than others. Performance during summer heat and drought stress is variable, with some cultivars producing good turf quality. Poor to excellent recovery from summer stress was observed in the group. Entries in this group exhibited good resistance to stripe smut disease.

America Type. Within the Compact Type, a number of cultivars exhibit similar growth and performance characteristics to the cultivar 'America.' These cultivars have moderate winter dormancy with some purpling. Moderate recovery from summer stress was observed within this group during 1995. They have shown good resistance to dollar spot, leaf spot, and stripe smut diseases.

Julia Type. This group of cultivars is similar in appearance and performance to the cultivar 'Julia.' These cultivars form a turf of medium to dark green color with medium texture, and exhibit medium to good winter color and spring green-up. These cultivars have good resistance to leaf spot disease, but show susceptibility to dollar spot disease. Julia type cultivars have shown good wear tolerance in European tests.

Mid-Atlantic Ecotype. This group of cultivars forms a vigorous turf of medium-high density with a deep, extensive rhizome system. In general, this group has moderate susceptibility to leaf spot disease; exceptions are 'Livingston,' 'SR 2000,' and 'Bel 21,' which have moderately good resistance. Their ability to recover from leaf spot damage and other stresses is excellent due to a deep and extensive system of rhizomes. Most of these cultivars have good tolerance of summer stress and exhibited good recovery after summer stress in 1995. This group has moderate to good winter performance, and generally shows an attractive appearance in early spring.

Wabash Type. Within the Mid-Atlantic Ecotype are a number of selections that exhibit growth and performance characteristics similar to the cultivar 'Wabash.' They have a medium-green color, excellent heat tolerance, and above average resistance to billbugs. They are moderately susceptible to leaf spot, but show good recovery from this disease.

Common Type (formerly Midwest Ecotypes). Common type Kentucky bluegrasses are characterized by an erect growth habit and narrow leaf blade. Common type should not be confused with the seed label term "variety-not-stated" or VNS; unfortunately, the term "common" is often used to inaccurately describe VNS seed. Common type Kentucky bluegrasses are typically used for conservation purposes, permanent pastures, and low maintenance utility turf. Many of these cultivars were selections of naturalized ecotypes found in old pastures of the midwestern United States. These cultivars produce seed early and economically, exhibit good stress tolerance, and often survive summer drought in a dormant condition.

Common type cultivars are susceptible to leaf spot disease and may be extensively damaged by this disease during the cool, humid conditions of winter and spring. Poor turf quality and excessive purple coloration is typical of these cultivars during winter. These cultivars are best adapted to high cutting heights in regions with cool nights, bright sun, and low humidity. Common type cultivars seem particularly suited for low maintenance utility turf areas where soil stabilization and conservation are needed. They green up early in the spring and show an attractive bright spring color until leaf spot damage becomes excessive.

Other Turf Types. This group of cultivars and selections possess characteristics intermediate between two or more of the previously discussed groups. Further study is needed to identify new types of cultivars or recognize the characteristics of a cultivar that are common to a known group.

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Table 1. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in April 1990 at Pittstown, NJ. (Low Maintenance Test.)

	Cultivar or Selection	-----Turf Quality ¹ -----					
		1990-1995 Avg.	1990 Avg.	1991 Avg.	1992-1993 Avg.	1994 Avg.	1995 Avg.
1	PST A7-60	6.2	6.0	4.7	7.0	7.8	5.3
2	Princeton 104	5.7	6.5	6.3	6.7	5.3	4.0
3	Apex	5.7	6.5	5.5	5.7	6.3	4.5
4	SR-2000	5.7	6.9	6.7	6.0	4.8	4.1
5	Limousine	5.5	6.2	5.3	6.2	5.6	4.3
6	Adelphi	5.5	6.4	5.5	5.8	5.7	4.2
7	Eclipse	5.5	5.7	5.7	5.9	5.8	4.3
8	PST A84-413	5.4	6.5	6.0	6.3	4.1	4.1
9	HV-116	5.4	6.7	5.3	5.7	4.5	4.8
10	Ram-I	5.4	7.0	6.0	5.5	3.8	4.5
11	Midnight	5.3	7.4	6.0	5.3	4.3	3.5
12	4 Aces	5.2	6.3	5.7	5.3	4.0	4.5
13	Cheri	5.2	5.3	5.4	6.5	4.3	4.3
14	H86-327	5.2	6.7	5.3	5.7	4.2	4.1
15	PST A84-405	5.1	5.7	5.4	5.8	4.3	4.3
16	H86-683	5.1	6.2	5.5	5.3	4.6	4.0
17	Preakness	5.1	6.7	5.0	6.0	4.0	4.0
18	Freedom	5.1	5.8	5.6	5.5	4.7	4.1
19	H86-697	5.1	6.5	5.1	5.7	3.8	4.3
20	Washington	5.0	5.9	4.5	5.4	4.9	4.4
21	Cecelia	5.0	6.8	4.8	4.7	5.3	3.5
22	Amazon	5.0	5.9	5.4	5.0	4.8	4.0
23	Shamrock	4.9	6.0	4.9	5.3	4.4	4.0
24	Blacksburg	4.9	4.7	5.9	5.5	4.3	4.0
25	Suffolk	4.9	6.2	4.8	4.7	4.5	4.3
26	Challenger	4.9	6.0	6.0	5.5	3.0	3.8
27	Destiny	4.9	5.0	5.3	5.4	4.8	3.8
28	Chateau	4.8	6.3	4.9	5.7	3.8	3.5
29	Georgetown	4.8	6.0	4.3	4.8	4.3	4.8
30	NuBlue	4.8	6.2	4.9	5.4	4.0	3.8

Table 1 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----					
		1990-1995 Avg.	1990 Avg.	1991 Avg.	1992-1993 Avg.	1994 Avg.	1995 Avg.
31	PST H87-429	4.8	7.3	4.6	4.1	4.4	3.6
32	Nassau	4.8	6.3	5.3	5.0	3.8	3.5
33	Liberty	4.8	6.0	5.6	5.0	3.5	3.8
34	Lofts 1757	4.7	5.0	5.1	5.2	4.0	4.3
35	Mom Pp H2928	4.7	5.5	5.5	5.1	3.9	3.7
36	Mystic	4.7	5.1	5.5	4.8	4.5	3.9
37	Virginia	4.7	4.9	4.9	5.6	3.8	4.3
38	Classic	4.7	5.5	5.0	4.4	4.5	3.9
39	Dawn	4.6	4.7	5.1	5.2	3.9	4.2
40	Glade	4.6	6.2	5.6	4.0	3.8	3.5
41	Julia	4.6	5.5	5.1	5.0	3.6	3.9
42	H86-749	4.6	6.2	4.8	4.1	4.7	3.2
43	Merit	4.5	5.5	4.9	4.5	4.2	3.6
44	A84-749 Dellwood Fine	4.5	5.6	4.0	4.1	4.1	4.6
45	Wabash	4.5	5.7	4.4	3.4	4.7	4.2
46	Fylking	4.4	5.0	4.6	4.8	3.8	3.8
47	Belturf	4.3	4.7	4.9	4.0	4.5	3.5
48	Voyager	4.3	6.3	4.6	3.7	3.5	3.3
49	Columbia	4.3	6.0	4.1	3.8	3.5	4.0
50	Donna	4.2	5.2	4.5	4.5	3.4	3.7
51	Nassau	4.2	5.3	4.7	3.8	3.5	3.8
52	Baron	4.2	4.4	4.5	4.7	3.8	3.7
53	H86-190	4.1	5.1	4.3	4.1	4.0	3.1
54	Huntsville	4.1	4.7	4.7	3.3	4.2	3.5
55	S-21	3.7	4.3	3.6	3.3	4.0	3.3
56	Kenblue	3.3	3.7	3.4	3.0	3.0	3.3
	LSD at 5% =	0.6	1.1	0.8	0.8	1.2	0.9

¹ 9 = best turf quality

Table 2. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1990 at North Brunswick, NJ. (Includes 1990 Medium-High Maintenance National Test #1 - NTEP.)

Cultivar or Selection	-----Turf Quality ¹ -----						Winter Dormancy ²	Winter Color ³	Stripe Smut ⁴	Summer Stress Recovery ⁵
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	Feb. 1995 Avg.	Mar. 1995 Avg.	May 1995 Avg.	Sept. 1995 Avg.
AGGRESSIVE TYPE										
1 Princeton 104	5.9	6.0	6.2	5.2	6.0	6.3	7.7	7.3	9.0	3.1
2 A-34	5.2	5.2	5.5	5.0	5.3	5.0	5.7	5.3	9.0	4.3
3 Limousine	5.1	4.7	5.4	5.1	5.4	4.8	7.3	5.7	9.0	4.8
4 Touchdown	4.6	4.5	5.3	4.9	4.4	3.7	5.7	5.0	9.0	1.2
BELLEVUE TYPE										
1 A82-1274	6.1	6.7	6.3	5.8	6.1	5.5	8.7	8.3	9.0	5.1
2 Classic	5.9	6.4	5.9	5.5	6.0	5.6	8.0	8.0	9.0	6.2
3 BAR VB895	5.8	5.9	5.9	5.8	6.1	5.5	8.3	8.0	9.0	5.9
4 H87-104Pat.Pk	5.8	6.0	6.1	6.0	5.9	5.0	8.3	8.3	9.0	3.6
5 Trenton	5.7	6.2	5.7	5.8	5.8	5.1	8.0	8.0	9.0	4.9
6 Dawn	5.7	6.4	6.1	5.4	5.7	4.9	7.7	7.7	9.0	3.1
7 Banff	5.6	6.2	5.7	5.6	5.4	5.3	7.7	7.7	9.0	5.1
8 Georgetown	5.5	5.8	5.5	5.7	5.4	5.1	7.3	6.7	9.0	5.6
9 Suffolk	5.5	5.9	5.7	5.2	5.7	4.8	7.7	8.0	9.0	4.7
10 Freedom	5.5	5.8	5.7	5.3	5.8	5.1	8.0	8.0	9.0	4.8

Table 2 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----						Winter Dormancy ²	Winter Color ³	Stripe Smut ⁴	Summer Stress Recovery ⁵
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	Feb. 1995 Avg.	Mar. 1995 Avg.	May 1995 Avg.	Sept. 1995 Avg.
BELLEVUE TYPE (continued)										
11 Haga	5.4	5.6	5.6	5.4	5.7	4.8	6.7	6.0	8.7	4.1
12 PST-UD-12	5.3	6.0	5.6	4.6	5.5	4.8	6.3	6.0	9.0	3.0
13 J11-94	5.3	5.7	5.5	5.2	5.4	4.8	7.7	7.0	9.0	4.1
14 J34-99	5.2	6.0	5.3	5.0	5.4	4.3	7.3	6.7	8.7	3.1
15 J13-152	5.1	6.1	5.3	4.7	5.3	4.3	5.7	5.3	9.0	4.2
16 PSU-151	5.3	5.0	5.7	5.2	5.7	5.0	6.7	6.3	9.0	4.0
BVMG TYPE										
1 Ba78-258	4.0	4.9	4.5	3.4	3.8	3.5	1.7	1.7	4.3	2.7
2 Fortuna	3.9	5.4	4.5	3.4	3.8	2.4	1.3	1.3	1.3	4.8
3 PST-R-740	3.8	5.1	4.2	3.6	3.4	2.5	1.0	1.0	1.7	4.1
4 Ba73-381	3.7	4.7	4.0	3.5	3.7	2.6	1.7	1.7	1.3	4.7
5 Abbey	3.7	4.9	3.5	3.5	3.6	2.9	1.7	1.7	1.7	5.3
6 Viva	3.7	5.1	3.9	3.4	3.6	2.6	1.7	1.7	1.0	4.3
7 Ba77-700	3.7	4.9	4.4	3.1	3.5	2.5	1.7	1.7	1.0	4.9
8 Ba73-382	3.6	4.3	3.9	3.4	3.6	2.8	1.7	2.0	1.7	4.2
9 Ba76-305	3.6	4.9	4.0	2.9	3.3	2.7	2.0	1.7	2.3	2.7
10 Kelly	3.6	4.9	3.9	3.0	3.4	2.7	1.0	1.0	1.0	5.7

Table 2 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----						Winter Dormancy ²	Winter Color ³	Stripe Smut ⁴	Summer Stress Recovery ⁵
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	Feb. 1995 Avg.	Mar. 1995 Avg.	May 1995 Avg.	Sept. 1995 Avg.
BVMG TYPE (continued)										
11 Marquis	3.5	4.5	4.1	3.1	3.1	2.4	1.0	1.3	1.0	4.3
12 Merit	3.5	5.6	4.2	2.5	3.0	2.1	1.0	1.3	1.0	4.7
13 Crest	3.5	5.3	3.6	3.1	3.4	2.4	1.3	1.3	1.3	5.2
14 Baron	3.4	4.6	4.0	3.1	3.0	2.2	1.0	1.7	1.0	4.4
15 R751A	3.4	4.5	3.9	3.0	3.2	2.3	1.0	1.0	1.0	3.4
16 PST-A84-928	3.4	4.4	3.4	2.8	3.4	2.7	1.0	1.3	2.0	4.3
17 Gnome	3.4	4.5	3.8	2.9	3.2	2.5	1.0	1.0	1.0	4.8
18 PST-A7-341	3.3	4.7	3.8	2.7	3.3	2.2	1.0	1.3	1.0	4.1
19 PST-B8-13	2.8	3.7	3.1	2.7	2.6	2.0	1.0	1.0	1.3	2.6
CELA TYPE										
1 Eclipse	6.0	5.8	5.7	6.3	6.1	5.8	3.3	2.3	9.0	6.0
2 Aspen	5.9	6.1	6.3	5.8	6.0	5.2	7.7	7.7	9.0	3.0
3 Liberty	5.0	5.6	5.9	5.0	4.4	4.3	6.7	6.7	8.7	3.7
4 Challenger	4.9	5.5	6.1	5.1	4.3	3.5	5.7	5.3	8.0	3.9
5 Adelphi	4.5	4.4	4.8	4.4	4.8	4.2	2.7	1.7	6.7	5.6
CHERI TYPE										
1 Cobalt	5.4	5.9	6.1	5.2	5.4	4.3	5.3	5.0	9.0	4.0
2 Cheri	4.8	5.1	5.2	4.7	5.0	3.9	4.7	3.0	8.7	2.2

Table 2 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----						Winter Dormancy ²	Winter Color ³	Stripe Smut ⁴	Summer Stress Recovery ⁵
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	Feb. 1995 Avg.	Mar. 1995 Avg.	May 1995 Avg.	Sept. 1995 Avg.
COMPACT TURF TYPE										
1 Midnight	6.5	6.6	6.5	6.5	6.4	6.5	5.3	3.3	9.0	6.6
2 Blacksburg	6.5	6.4	6.4	6.0	6.7	6.8	7.3	6.7	9.0	6.7
3 Indigo	5.7	5.8	6.0	5.2	5.7	5.6	4.7	4.7	9.0	7.0
4 Able I	5.6	5.5	6.5	5.7	5.4	4.7	6.0	6.0	8.7	3.1
5 Barsweet	5.3	5.3	5.5	4.8	5.8	5.0	4.0	3.0	8.7	2.3
6 Platini	5.3	5.4	5.8	5.3	5.3	4.7	5.7	5.7	9.0	5.3
7 Opal	5.3	5.0	5.8	4.9	5.2	5.5	3.7	2.7	9.0	6.4
8 Alpine	4.6	4.7	5.5	4.3	4.5	3.9	2.3	1.3	9.0	3.7
9 Conni	4.5	5.0	5.2	3.7	4.3	4.4	5.0	4.3	9.0	2.8
10 PST-1DW	4.2	4.5	5.0	3.4	4.0	4.2	3.7	2.0	9.0	2.8
11 Apex	3.9	4.7	4.8	2.9	3.3	3.6	2.3	1.3	9.0	2.1
12 Amazon	3.9	4.1	4.9	3.3	3.6	3.5	2.0	1.3	7.7	1.6
13 Nugget	3.9	3.6	5.1	3.4	4.0	3.2	1.3	1.0	9.0	1.9
14 WW-Ag-505	3.7	4.6	3.8	2.8	3.6	3.6	4.3	3.0	9.0	2.8
15 WW-Ag-508	3.7	4.7	4.9	2.6	3.0	3.5	2.0	1.3	9.0	2.4
16 Trampas	3.5	4.1	3.6	2.9	3.4	3.2	2.3	1.7	8.3	1.9
17 A83-285	6.5	6.7	6.5	6.4	6.2	6.7	7.0	5.3	9.0	5.9
18 Glade	4.3	5.3	4.5	3.0	4.3	4.5	2.7	2.0	9.0	3.7

Table 2 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----						Winter Dormancy ²	Winter Color ³	Stripe Smut ⁴	Summer Stress Recovery ⁵
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	Feb. 1995 Avg.	Mar. 1995 Avg.	May 1995 Avg.	Sept. 1995 Avg.
AMERICA TYPE										
1 Unique	5.6	6.4	5.0	5.4	5.5	5.5	4.3	3.7	9.0	5.7
2 C-74	5.6	5.9	5.2	5.8	5.8	5.5	4.0	4.0	9.0	4.7
3 America	5.5	6.0	5.3	5.3	5.9	5.0	4.0	4.0	9.0	3.5
JULIA TYPE										
1 Julia	5.3	5.6	5.9	5.0	5.3	4.8	6.0	6.0	9.0	5.1
2 Caliber	5.3	6.0	5.9	4.8	5.0	4.7	5.3	5.7	9.0	5.3
MID-ATLANTIC TYPE										
1 SR2000	6.5	5.7	7.0	6.8	6.2	6.6	6.3	5.7	9.0	4.8
2 Preakness	5.9	6.4	5.7	5.6	5.8	6.0	6.0	4.3	9.0	5.3
3 BM-3PST	5.7	5.3	5.8	6.0	5.9	5.5	8.0	7.7	9.0	6.8
4 A84-587Balt.City	5.6	5.7	5.5	6.2	5.6	4.7	4.3	5.3	8.3	5.9
5 Bel21	5.5	5.3	5.4	5.4	6.2	5.4	5.3	4.3	9.0	7.7
6 Livingston	5.2	5.8	4.9	5.1	5.2	4.9	5.3	4.0	9.0	4.2
7 H86-749	5.1	4.5	5.2	5.6	5.3	4.7	4.0	4.0	8.0	4.8
8 Monopoly	5.0	4.4	4.6	4.9	5.4	5.5	5.7	3.7	9.0	7.9
9 A84-925Tenn658IC	4.9	4.6	4.9	5.0	5.2	4.7	3.5	3.3	9.0	4.0
10 A84-837ForestHillsA	4.7	5.0	5.2	4.2	4.5	4.6	4.3	3.3	9.0	3.4
11 Eagleton	4.7	4.5	4.3	4.9	4.6	5.0	4.0	3.0	8.0	5.1

Table 2 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----						Winter Dormancy ²	Winter Color ³	Stripe Smut ⁴	Summer Stress Recovery ⁵
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	Feb. 1995 Avg.	Mar. 1995 Avg.	May 1995 Avg.	Sept. 1995 Avg.
WABASH TYPE										
1 Wabash	4.4	4.1	4.2	4.1	4.4	5.1	4.0	3.3	9.0	6.2
2 H86-894 Muddy Park	4.5	4.6	4.3	4.4	4.3	5.0	4.7	4.3	8.3	8.2
COMMON TYPE (formerly Midwest Ecotype)										
1 H86-811MC13	3.7	4.5	3.5	3.5	3.3	3.5	2.3	1.3	3.2	6.0
2 Alene	3.7	4.1	4.3	3.4	3.6	3.0	3.3	4.3	8.3	3.7
3 Huntsville	3.6	3.3	3.7	3.3	3.7	4.0	2.3	2.7	9.0	5.7
4 H86-783Roselawn	3.4	4.2	3.4	3.4	3.3	2.7	1.7	1.3	2.3	6.1
5 S-21	3.2	3.0	3.3	3.0	3.1	3.4	2.7	1.0	7.7	5.7
6 Kenblue	2.9	3.0	2.5	2.8	3.0	3.4	1.7	1.0	8.3	6.8
7 South Dakota Cert.	2.9	2.5	2.7	2.9	3.1	3.0	2.0	1.3	4.3	4.7
8 Ronde	2.6	3.7	2.2	1.7	2.6	2.7	1.3	1.7	8.0	3.6
9 Greenley	2.5	2.9	2.8	2.1	2.5	2.4	1.7	1.7	8.0	3.7
10 Ginger	1.9	1.8	2.3	1.8	2.0	1.7	1.3	3.0	-	2.1
OTHER TURF TYPES										
1 Rita (PST-UD-10)	6.6	6.8	7.0	6.7	6.7	5.8	6.7	6.7	9.0	3.6
2 A82-1272TrentonCC	6.3	6.3	6.5	6.3	6.6	6.0	7.0	7.0	9.0	5.0
3 Barblue	6.2	6.5	6.5	5.9	6.3	5.8	8.3	8.3	9.0	3.1
4 A82-562	6.1	6.4	6.3	6.3	6.3	5.3	8.7	8.7	9.0	4.4
5 A82-570	6.1	6.4	6.3	6.3	6.0	5.2	8.7	8.3	9.0	3.2

Table 2 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----						Winter Dormancy ²	Winter Color ³	Stripe Smut ⁴	Summer Stress Recovery ⁵
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	Feb. 1995 Avg.	Mar. 1995 Avg.	May 1995 Avg.	Sept. 1995 Avg.
OTHER TURF TYPES (continued)										
6 Ascot	5.6	5.5	6.1	5.5	5.8	5.3	5.7	4.0	8.7	3.4
7 Cardiff	5.6	5.1	6.4	5.2	5.8	5.5	5.7	4.0	9.0	3.8
8 Shamrock	5.5	4.9	5.7	5.8	5.9	5.1	4.8	3.2	8.9	3.8
9 1757	5.5	6.1	5.7	5.2	5.6	4.9	7.0	6.3	9.0	3.1
10 A88-1145JuliaDer	5.5	5.6	6.1	5.1	5.6	5.0	4.3	3.7	9.0	3.9
11 Barmax	5.4	4.5	5.5	5.4	6.0	5.6	7.0	5.7	9.0	5.2
12 EVB13.703	5.4	4.7	5.7	5.5	5.6	5.4	4.0	2.7	9.0	2.9
13 BAR-VB-1169	5.4	5.4	5.8	5.4	5.3	5.0	6.7	6.3	9.0	5.1
14 NuStar	5.4	5.1	5.4	5.2	5.7	5.5	3.0	1.7	9.0	5.2
15 A85-162Cascade	5.4	5.8	5.6	5.1	5.2	5.1	5.3	4.7	9.0	4.1
16 A85-38Cascade	5.4	5.6	5.4	4.8	5.6	5.3	6.7	5.0	9.0	4.0
17 A88-744A25xE0OP	5.3	5.8	6.0	4.6	5.3	4.6	4.3	3.7	9.0	3.7
18 PST-0514	5.3	4.7	5.6	4.9	6.1	5.2	6.0	4.7	9.0	2.7
19 A85-32Cascade	5.3	4.9	5.2	4.9	5.6	5.9	6.3	6.0	9.0	6.0
20 A85-156Cascade	5.3	5.7	5.4	5.3	5.1	4.9	7.0	7.0	9.0	4.8
21 A85-262Cascade	5.3	5.3	5.6	4.5	5.6	5.4	6.7	5.0	9.0	5.4
22 Silvia	5.2	5.4	5.6	4.8	5.8	4.5	6.3	7.0	9.0	4.6
23 A84-803Tenn-2PST	5.1	6.2	5.5	4.8	5.2	4.1	6.0	5.7	8.2	3.0
24 A88-744A	5.1	5.6	5.9	4.7	5.2	4.1	3.0	3.0	8.7	3.1
25 A85-48Cascade	5.1	4.8	5.2	5.1	5.4	5.0	6.3	7.7	8.7	4.8

Table 2 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----						Winter Dormancy ²	Winter Color ³	Stripe Smut ⁴	Summer Stress Recovery ⁵
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	Feb. 1995 Avg.	Mar. 1995 Avg.	May 1995 Avg.	Sept. 1995 Avg.
OTHER TURF TYPES (continued)										
26 PST-C-244	5.0	5.4	5.5	4.3	5.0	4.7	5.3	3.3	8.7	3.7
27 Destiny	5.0	5.4	5.1	4.7	4.9	4.6	4.3	3.3	9.0	5.9
28 J-327	5.0	5.2	5.5	4.8	5.2	4.4	3.0	2.7	8.3	3.2
29 H86-697A	4.9	5.0	5.8	4.7	5.0	4.0	5.7	5.4	9.0	1.7
30 Bartitia	4.9	4.6	6.0	4.4	5.2	4.4	5.0	5.0	8.7	1.6
31 Ba69-82	4.9	4.9	5.4	4.7	4.7	4.7	4.3	3.0	8.3	4.3
32 Nassau	4.9	6.1	5.4	5.0	4.4	3.5	5.0	5.7	8.0	3.1
33 Estate	4.8	5.1	5.0	4.8	4.6	4.6	4.3	4.0	8.7	4.8
34 Washington	4.8	5.0	4.9	3.8	4.9	5.5	5.3	3.7	9.0	4.3
35 Coventry	4.8	5.2	5.0	4.6	4.8	4.6	3.7	4.0	8.7	4.6
36 HV125	4.8	5.5	5.3	4.5	4.5	4.0	3.3	3.7	9.0	3.2
37 Raml	4.8	5.9	3.9	4.3	4.5	5.1	3.3	2.3	8.0	3.6
38 Belmont	4.8	5.4	5.2	4.4	4.9	4.1	4.7	4.0	9.0	2.4
39 Optigreen	4.8	5.5	4.7	4.3	5.1	4.6	4.0	4.0	9.0	3.1
40 PR-1	4.8	4.8	5.0	5.2	5.1	4.0	5.7	4.7	9.0	1.8
41 Allure	4.7	4.8	5.1	3.9	5.2	4.7	5.3	4.0	8.7	3.6
42 J-386	4.7	4.5	4.6	4.1	5.2	5.2	5.0	3.3	7.3	6.2
43 H87-429PST	4.6	5.5	5.0	3.6	4.3	4.8	4.3	3.3	6.7	4.9
44 H87-429	4.6	4.7	4.7	4.3	4.7	4.4	3.7	4.0	7.7	4.2
45 Cynthia	4.6	5.0	4.5	4.0	4.7	4.6	4.3	4.0	7.7	4.2

Table 2 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----						Winter Dormancy ²	Winter Color ³	Stripe Smut ⁴	Summer Stress Recovery ⁵
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	Feb. 1995 Avg.	Mar. 1995 Avg.	May 1995 Avg.	Sept. 1995 Avg.
OTHER TURF TYPES (continued)										
46 4Aces	4.6	4.9	5.3	4.2	4.4	4.0	4.0	5.0	6.3	4.9
47 H86-697	4.5	4.9	5.7	4.4	4.3	3.3	5.0	5.0	8.7	1.3
48 NE80-47	4.5	4.8	4.5	4.2	4.6	4.2	3.7	2.3	7.3	3.8
49 Barcelona	4.4	4.8	5.6	4.0	4.1	3.6	4.3	3.3	9.0	1.2
50 NuBlue	4.4	5.7	5.4	3.8	3.5	3.5	4.0	3.3	8.5	2.8
51 Minstrel	4.3	5.5	5.1	3.8	3.6	3.3	3.3	3.3	8.3	2.3
52 SR2100	4.2	4.6	4.3	3.9	4.4	3.6	3.0	2.0	7.7	2.1
53 Nutop	4.0	3.8	4.6	3.6	3.8	4.0	3.7	3.0	9.0	3.2
54 Ampellia	3.9	4.7	4.7	3.7	3.5	3.1	4.7	4.7	3.0	3.2
55 BARVB7037	3.9	4.1	4.1	3.2	4.2	3.8	1.7	1.0	9.0	3.9
56 Fylking	3.9	4.1	5.1	3.1	3.6	3.4	3.3	2.7	7.0	3.1
57 H86-190	3.9	4.3	4.5	3.2	4.0	3.3	1.7	2.3	9.0	3.9
58 Buckingham	3.8	4.5	4.5	3.6	3.5	2.9	3.3	4.3	7.7	2.2
59 EVB-13.863	3.7	4.4	4.2	3.6	3.8	2.5	1.3	1.3	2.3	4.4
60 Miranda	3.6	3.8	5.2	3.2	3.0	2.8	1.0	1.3	8.7	2.0
61 Broadway	3.5	3.9	4.5	3.4	2.8	2.8	2.0	1.7	8.3	1.3
62 Barzan	3.5	4.9	3.7	2.8	2.3	3.7	3.0	4.0	9.0	3.8
63 Ba77-292	3.4	3.6	4.1	3.0	2.8	3.7	2.3	3.0	7.3	4.4
64 Melba	3.4	4.0	4.8	3.0	2.5	2.7	1.7	2.7	8.0	1.9
65 Noblesse	3.4	4.4	4.8	3.0	2.8	2.2	1.3	2.7	9.0	2.4

Table 2 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----						Winter Dormancy ²	Winter Color ³	Stripe Smut ⁴	Summer Stress Recovery ⁵
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	Feb. 1995 Avg.	Mar. 1995 Avg.	May 1995 Avg.	Sept. 1995 Avg.
OTHER TURF TYPES (continued)										
66 Paso	3.4	4.0	4.1	2.7	3.3	2.9	2.3	2.3	7.0	3.4
67 Miracle	3.1	4.5	3.6	2.2	2.6	2.3	2.7	3.0	8.3	2.0
68 PST-HV-166	3.1	4.5	3.9	2.8	2.3	2.0	1.7	2.0	4.0	1.7
69 Donna	3.0	3.9	3.5	2.4	2.5	2.4	1.3	2.3	7.0	2.6
70 KWSPp13-2	3.0	3.7	3.2	2.3	2.8	2.9	2.0	1.3	9.0	4.0
71 Chelsea	2.9	3.8	3.6	2.5	2.2	2.4	1.3	2.0	9.0	2.7
LSD at 5% =	0.5	0.8	0.7	0.8	0.8	0.9	1.6	1.4	1.4	2.3

- ¹ 9 = best turf quality
- ² 9 = least dormancy
- ³ 9 = best winter color
- ⁴ 9 = least stripe smut
- ⁵ 9 = best recovery from summer stress

Table 3. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1990 at Adelphia, NJ. (Includes Medium-High Maintenance Test #2 - NTEP.)

Cultivar or Selection	-----Turfgrass Quality ¹ -----						Stripe Smut ²	Winter Color ³
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	May 1995 Avg.	Mar. 1995 Avg.
AGGRESSIVE TYPES								
1 Princeton 104	6.3	4.7	6.7	6.3	6.9	7.0	9.0	7.3
2 Limousine	5.4	4.5	5.7	5.5	5.8	5.3	9.0	5.7
3 Touchdown	5.2	4.1	5.5	5.2	6.2	5.2	9.0	6.0
4 A-34	5.1	4.5	5.3	5.1	5.0	5.5	9.0	6.0
BELLEVUE TYPES								
1 H87-104	5.7	6.8	6.1	5.2	5.4	4.8	9.0	8.0
2 Classic	5.7	6.1	6.6	5.5	5.5	5.1	9.0	8.7
3 Trenton	5.6	6.0	6.2	5.3	5.5	4.8	9.0	8.0
4 Georgetown	5.6	6.4	6.2	5.0	5.5	5.0	9.0	8.0
5 Dawn	5.5	5.9	5.6	5.4	5.5	5.3	9.0	8.0
6 Banff	5.5	6.0	5.9	5.5	5.4	4.9	9.0	7.7
7 Freedom	5.5	5.8	6.0	5.3	5.6	4.7	9.0	7.7
8 Haga	5.4	6.1	6.0	4.8	5.1	4.8	9.0	6.3
9 BARVB895	5.3	5.5	6.1	5.0	5.3	4.8	9.0	7.7
10 Suffolk	5.3	5.9	5.6	4.7	5.1	5.2	9.0	8.0
11 J13-152	5.2	5.8	5.2	4.9	5.5	4.7	5.3	5.7
12 J11-94	5.1	5.2	5.5	4.9	4.8	5.0	9.0	8.3
13 J34-99	5.0	5.2	5.1	4.6	5.1	4.8	8.3	7.7
14 PST-UD-12	4.9	5.2	4.6	4.6	4.9	5.1	9.0	5.0
15 PSU-151	5.7	5.3	6.2	5.3	5.9	5.8	7.3	6.0
BVMG TYPES								
1 Abbey	4.8	5.6	4.7	4.8	5.1	3.7	2.0	1.0
2 Fortuna	4.7	6.2	4.6	4.7	4.9	3.1	2.0	1.0
3 Ba76-305	4.6	5.5	4.4	4.8	4.8	3.3	2.0	1.3
4 Baron	4.5	5.7	4.6	4.6	4.3	3.0	1.3	1.3
5 Crest	4.5	6.6	4.5	4.3	4.2	2.9	1.3	1.0

Table 3 (continued).

Cultivar or Selection	-----Turfgrass Quality ¹ -----						Stripe Smut ²	Winter Color ³
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	May 1995 Avg.	Mar. 1995 Avg.
BVMG TYPES (continued)								
6 Ba77-700	4.5	5.1	4.9	4.9	4.5	3.0	1.7	1.3
7 Ba73-381	4.4	5.5	4.7	4.8	4.5	2.7	1.3	1.3
8 Marquis	4.4	5.3	4.6	4.5	4.5	3.2	1.7	1.0
9 PST-A7-341	4.4	6.1	4.1	4.8	4.2	2.6	1.3	1.0
10 R751A	4.4	6.0	4.0	4.3	4.8	2.8	1.7	1.0
11 Raven	4.3	4.7	3.8	4.5	4.9	3.8	2.7	1.3
12 Kelly	4.2	5.8	4.1	4.6	4.2	2.4	1.3	1.0
13 Viva	4.2	5.3	3.9	4.3	4.4	2.9	1.3	1.0
14 PST-A84-928	4.2	4.9	4.5	4.8	4.3	2.7	1.7	1.0
15 Gnome	4.1	5.1	4.3	4.6	4.0	2.6	1.0	1.0
16 Ba73-382	4.0	5.1	3.9	4.2	4.0	2.5	1.0	1.0
17 PST-R-740	4.0	4.7	4.4	4.0	4.3	2.6	1.3	1.0
18 Merit	4.0	5.0	3.8	4.3	4.3	2.9	1.3	1.3
19 BlueStar	3.5	4.3	3.7	3.8	3.6	2.1	1.0	1.0
CELA TYPES								
1 Eclipse	6.3	6.4	7.0	6.3	5.8	5.8	9.0	4.3
2 Aspen	6.1	6.4	6.5	5.6	6.1	5.8	9.0	8.0
3 Liberty	5.7	5.8	6.5	5.7	5.1	5.2	6.0	8.3
4 Challenger	5.3	4.8	6.1	5.5	5.3	5.1	9.0	4.7
5 Adelphi	4.6	4.8	5.1	4.4	4.8	3.8	4.0	3.3
CHERI TYPE								
1 Cobalt	5.3	6.3	5.4	4.9	5.2	4.7	9.0	4.0
2 Cheri	4.8	5.5	4.3	4.9	4.9	4.6	9.0	3.3
COMPACT TURF TYPE								
1 Midnight	7.0	8.3	7.1	6.6	7.3	5.8	9.0	4.0
2 Blacksburg	6.0	4.2	7.0	6.1	6.9	6.1	9.0	5.7
3 Apex	6.0	6.0	5.9	5.9	6.3	5.9	9.0	2.7
4 Indigo	5.8	7.0	5.9	5.4	5.7	5.2	9.0	3.0
5 Able-I	5.8	5.9	6.1	6.2	5.9	4.8	9.0	5.3

Table 3 (continued).

Cultivar or Selection	-----Turfgrass Quality ¹ -----						Stripe Smut ²	Winter Color ³
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	May 1995 Avg.	Mar. 1995 Avg.
COMPACT TURF TYPE (continued)								
6 PST-1DW	5.8	6.1	6.1	5.9	5.7	5.1	9.0	2.0
7 Alpine	5.7	7.2	5.8	5.3	5.6	4.8	9.0	2.0
8 Eva	5.5	5.7	5.6	5.4	5.4	5.2	9.0	5.3
9 Platini	5.4	4.0	6.2	5.2	6.2	5.4	9.0	6.3
10 Barsweet	5.2	5.2	4.6	5.0	6.1	5.3	9.0	3.0
11 WWAg508	5.2	6.3	5.4	5.0	4.6	4.6	9.0	2.0
12 Opal	4.9	4.7	5.5	4.9	5.2	4.0	9.0	2.3
13 Amazon	4.7	5.0	5.4	4.6	4.7	4.0	9.0	2.3
14 Conni	4.7	5.6	4.3	4.8	4.4	4.3	9.0	4.3
15 Nugget	4.6	4.7	5.0	4.8	5.0	3.8	9.0	1.0
16 Trampas	4.2	3.6	4.2	4.4	4.7	4.2	9.0	3.3
17 Glade	5.4	7.4	4.7	4.9	5.4	4.6	9.0	2.7
AMERICA TYPE								
1 C-74	6.5	7.4	7.8	5.9	6.0	5.3	9.0	4.0
2 America	6.4	7.0	7.5	6.2	6.0	5.3	9.0	4.2
3 Unique	6.3	7.4	7.6	5.6	5.7	5.2	9.0	4.0
JULIA TYPES								
1 Julia	5.9	5.1	6.4	6.1	5.8	6.0	9.0	7.0
2 Caliber	5.4	4.5	5.8	5.7	5.6	5.4	9.0	6.0
MID-ATLANTIC ECOTYPE								
1 SR2000	6.1	5.5	6.0	6.0	6.7	6.2	9.0	7.7
2 Preakness	5.6	6.1	5.2	5.2	5.7	5.6	9.0	4.0
3 A84-587Balt.City	5.4	5.6	5.8	5.0	5.7	5.2	9.0	5.0
4 BM-3PST	5.1	4.1	5.1	5.4	5.7	5.2	9.0	6.7
5 A84-837ForestHillsA	5.0	5.6	4.8	5.1	4.9	4.6	9.0	3.3

Table 3 (continued).

Cultivar or Selection	-----Turfgrass Quality ¹ -----						Stripe Smut ²	Winter Color ³
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	May 1995 Avg.	Mar. 1995 Avg.
MID-ATLANTIC ECOTYPE (continued)								
6 Bel21	5.0	5.3	5.3	4.6	5.2	4.6	9.0	4.3
7 H86-788J&J	4.9	5.5	5.0	5.2	4.5	4.2	9.0	3.0
8 Monopoly	4.9	5.0	5.0	4.9	5.1	4.7	9.0	3.7
9 Eagleton	4.9	4.8	5.3	4.5	5.0	4.9	9.0	3.7
10 Livingston	4.9	5.0	5.3	4.7	5.2	4.4	9.0	5.7
11 H86-749	4.8	4.8	4.8	4.2	5.1	5.0	9.0	4.3
12 Wabash	4.4	5.0	4.6	3.7	4.3	4.4	9.0	3.3
COMMON TYPE (formerly Midwest Ecotype)								
1 H86-811MC13	3.7	4.7	3.6	2.9	3.9	3.5	5.3	2.4
2 Huntsville	3.5	3.2	3.6	2.9	4.2	3.8	9.0	3.7
3 H86-783Roselawn	3.5	5.4	3.4	2.7	3.4	2.7	2.7	1.3
4 Ronde	3.2	3.4	3.0	2.4	3.5	3.6	9.0	3.0
5 S-21	3.2	3.2	3.5	2.7	3.3	3.3	9.0	2.3
6 Greenley	3.0	3.4	2.9	2.5	3.1	2.9	3.7	2.0
7 Kenblue	2.8	3.2	2.6	2.2	3.1	2.9	4.7	1.7
8 SouthDakotaCert.	2.8	2.8	2.7	2.2	3.4	3.0	9.0	2.7
9 Ginger	2.3	1.5	2.0	1.9	3.0	3.2	9.0	4.7
OTHER TURF TYPES								
1 Cardiff	6.5	5.8	7.3	6.1	7.0	6.5	9.0	4.7
2 EVB13.703	6.5	5.9	7.0	6.3	6.8	6.3	9.0	4.0
3 A88-1145JuliaOP	6.4	5.5	6.9	6.5	7.0	5.8	9.0	5.0
4 Ascot	6.4	7.5	7.2	5.8	5.8	5.4	9.0	6.7
5 Rita	6.3	6.8	6.9	6.1	6.4	5.2	9.0	7.0
6 H86-920PlexBTE	6.2	6.3	6.5	5.9	6.4	5.8	9.0	8.7
7 A82-1272	6.0	6.8	6.3	5.7	5.5	5.8	9.0	7.3
8 PST-0514	6.0	6.2	6.1	5.8	6.5	5.4	9.0	4.7
9 PST-A84-803	6.0	7.1	6.0	5.9	5.8	5.4	9.0	7.5
10 H86-697	5.9	6.1	6.4	6.2	5.9	5.6	9.0	7.2

Table 3 (continued).

Cultivar or Selection	-----Turfgrass Quality ¹ -----						Stripe Smut ²	Winter Color ³
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	May 1995 Avg.	Mar. 1995 Avg.
OTHER TURF TYPES (continued)								
11 Bartitia	5.8	5.5	5.8	6.0	6.5	5.3	9.0	5.3
12 A88-744	5.8	6.8	6.0	5.3	5.7	5.0	9.0	4.3
13 84-605PST	5.7	5.4	5.9	5.3	6.1	5.8	9.0	7.7
14 Aaron	5.7	5.1	5.8	5.6	6.1	5.9	9.0	7.7
15 NuStar	5.6	6.0	5.9	5.5	5.7	4.9	9.0	2.7
16 Barcelona	5.6	5.5	5.6	5.8	6.0	5.4	9.0	5.3
17 1757	5.6	5.9	6.3	5.1	5.8	5.0	9.0	5.3
18 A83-886PST	5.5	6.1	4.6	5.6	5.6	5.3	9.0	3.7
19 Washington	5.5	6.3	4.7	5.4	5.7	5.4	9.0	4.8
20 Shamrock	5.5	6.0	5.5	5.5	5.4	5.1	9.0	3.7
21 A85-38Cascade	5.4	5.8	5.7	5.3	5.6	4.7	9.0	6.3
22 NuBlue	5.3	5.5	5.7	5.5	4.8	5.0	9.0	5.0
23 PST-A84-405	5.3	5.7	5.8	5.0	5.7	4.5	9.0	4.7
24 J-333	5.3	4.7	4.9	5.7	6.2	5.2	9.0	3.3
25 H87-429PST	5.2	5.2	5.7	5.0	5.6	4.7	5.0	4.3
26 H87-429	5.2	5.4	5.4	5.1	5.1	5.0	9.0	4.7
27 Buckingham	5.2	5.4	6.0	5.0	5.3	4.4	9.0	6.0
28 Belmont	5.2	5.2	5.4	4.9	5.5	4.9	9.0	6.3
29 PennPro	5.2	3.8	5.6	5.5	5.7	5.2	9.0	5.7
30 Fylking	5.1	5.8	5.3	5.0	4.8	4.7	9.0	4.7
31 BARVB852	5.1	4.5	5.7	5.0	5.5	4.7	9.0	5.7
32 A85-32Cascade	5.1	5.4	5.2	5.2	5.0	4.8	9.0	6.0
33 Estate	5.1	5.4	4.6	5.0	5.2	5.0	9.0	4.3
34 H86-190	5.1	5.4	5.5	4.9	5.2	4.5	9.0	2.0
35 A81-1580A20xTD	5.1	4.7	6.1	5.1	5.0	4.4	9.0	3.3
36 Coventry	5.1	5.8	4.6	4.8	5.1	5.1	9.0	3.0
37 Ram I	5.1	6.0	4.1	4.4	6.0	4.9	9.0	3.7
38 PST-A7-1877	5.1	5.3	4.7	5.4	5.3	4.9	9.0	3.7
39 Broadway	5.1	3.5	5.5	5.7	5.7	5.1	9.0	3.0
40 Optigreen	5.1	5.9	4.8	5.1	4.7	5.1	9.0	3.7

Table 3 (continued).

Cultivar or Selection	-----Turfgrass Quality ¹ -----						Stripe Smut ²	Winter Color ³
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	May 1995 Avg.	Mar. 1995 Avg.
OTHER TURF TYPES (continued)								
41 Nassau	5.1	6.3	5.1	4.7	4.5	4.9	4.7	7.3
42 Barblue	5.0	4.9	6.9	4.6	3.9	4.5	3.7	5.0
43 H86-690	5.0	3.4	5.8	5.0	5.8	4.9	9.0	4.0
44 Ba72-131	5.0	5.6	4.4	5.0	5.2	4.8	9.0	4.3
45 Silvia	5.0	4.5	4.5	5.4	5.5	5.3	9.0	7.7
46 HV125	5.0	5.2	5.8	4.9	4.8	4.5	9.0	3.7
47 Cynthia	5.0	4.8	4.9	5.0	5.7	4.6	9.0	5.3
48 Destiny	5.0	4.7	5.2	4.9	5.2	4.9	9.0	6.3
49 Minstrel	4.9	4.5	5.2	5.4	5.2	4.5	5.0	6.7
50 Allure	4.9	5.0	4.3	4.8	5.2	5.0	9.0	3.7
51 Ba69-82	4.9	4.9	4.3	5.1	5.0	5.1	9.0	3.7
52 Nutop	4.8	5.9	4.1	4.5	5.2	4.5	9.0	4.7
53 4Aces	4.8	3.8	6.0	4.9	5.2	4.2	4.7	2.7
54 Miranda	4.7	5.0	5.0	5.1	4.4	3.9	9.0	1.0
55 J-386	4.6	3.7	3.8	4.8	5.4	5.3	9.0	4.7
56 Paso	4.6	5.4	5.0	4.3	4.2	4.1	7.7	3.7
57 Ceasar	4.6	6.1	4.7	4.9	4.4	2.8	2.7	1.7
58 Barmax	4.6	4.9	5.4	4.4	4.5	4.0	9.0	1.3
59 PST-C-224	4.6	5.0	4.1	4.7	4.6	4.7	9.0	3.0
60 SR2100	4.5	4.8	4.7	4.6	4.9	3.6	2.7	3.0
61 NE80-47	4.5	4.8	4.8	3.8	4.8	4.4	4.7	4.7
62 Noblesse	4.4	4.0	5.0	4.3	4.4	4.2	3.7	5.0
63 A85-48Cascade	4.2	4.3	4.6	4.3	4.1	3.7	9.0	6.3
64 HV-116	4.2	5.3	4.4	4.1	3.7	3.3	2.7	5.0
65 Ampellia	4.2	4.2	4.2	4.1	4.8	3.5	2.7	4.7
66 Barzan	4.1	5.7	3.6	3.7	4.0	3.7	9.0	5.7
67 Melba	4.1	4.2	4.1	4.0	4.4	3.8	9.0	2.7
68 HV-166	3.9	4.3	3.9	3.6	4.0	3.8	5.0	4.3
69 Miracle	3.8	4.0	3.0	4.2	3.9	3.6	9.0	4.0
70 Donna	3.6	3.9	3.6	3.6	3.9	3.1	4.0	2.7

Table 3 (continued).

Cultivar or Selection	-----Turfgrass Quality ¹ -----						Stripe Smut ²	Winter Color ³
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	May 1995 Avg.	Mar. 1995 Avg.
OTHER TURF TYPES (continued)								
71 Ba77-292	3.6	2.4	4.0	3.5	4.3	3.6	9.0	2.7
72 Chelsea	3.4	3.9	3.1	3.5	3.4	3.1	9.0	2.7
LSD at 5% =	0.5	0.9	0.8	0.7	0.7	0.8	0.8	1.3

¹ 9 = best turf quality

² 9 = least stripe smut

³ 9 = best winter color

Table 4. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1990 at Adelphia, NJ. (Test #2.)

Cultivar or Selection	-----Turfgrass Quality ¹ -----						Stripe Smut ²	Winter Color ³
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.	May 1995 Avg.	Mar. 1995 Avg.
1 A81-2183 A25xBG	6.4	5.8	7.4	7.0	6.4	5.7	9.0	8.0
2 A81-1372 A20xBG	6.3	6.2	7.2	6.1	7.0	4.8	9.0	7.3
3 H86-327 Julia OP	5.7	6.3	6.1	5.4	5.9	4.3	9.0	7.0
4 H86-690	5.1	4.6	5.9	4.8	6.0	4.3	9.0	4.0
5 Eagleton	4.7	5.1	5.6	5.3	4.6	4.1	9.0	3.5
6 Mystic	4.7	5.3	4.9	5.4	5.0	4.0	9.0	4.0
7 A84-749 Delwood Fine	4.6	5.3	5.2	3.7	4.4	4.3	9.0	1.3
8 Barkoel	3.9	4.3	3.5	3.9	4.1	3.8	9.0	5.3
9 H86-808	3.9	6.1	3.5	3.1	3.7	3.2	2.3	3.0
10 Alene	3.8	4.6	3.9	3.1	3.7	3.8	7.0	6.3
11 Pomeroy	3.4	4.4	3.3	2.8	3.2	3.4	6.0	2.3
12 Gemar	3.4	3.7	3.4	2.5	3.4	4.0	7.3	2.3
13 Garfield	3.3	4.2	3.1	2.4	3.2	3.7	6.3	2.7
LSD at 5% =	0.3	0.7	0.6	0.5	0.4	0.9	2.4	1.4

¹ 9 = best turf quality

² 9 = least stripe smut

³ 9 = best winter color

Table 5. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1990 at North Brunswick, NJ. (Includes 1990 Low Maintenance National Test #1 - NTEP.)

Cultivar or Selection	-----Turf Quality ¹ -----					
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.
1 Midnight	6.0	6.7	6.0	6.5	6.5	4.3
2 PST 84-413	5.9	6.4	5.8	6.1	6.8	4.6
3 EVB 13.703	5.8	5.6	5.3	6.1	6.7	5.1
4 PST A84-803	5.6	6.2	5.4	5.9	6.3	4.3
5 PST A84-405	5.5	5.8	5.1	5.9	5.7	5.2
6 A82-1272	5.5	5.8	5.4	6.1	5.8	4.4
7 A88-1145 Julia der	5.3	5.5	5.1	5.5	6.0	4.6
8 H87-413	5.3	6.2	4.5	5.9	5.5	4.5
9 Cobalt	5.3	5.7	4.8	5.9	5.6	4.6
10 H86-697	5.3	5.6	5.5	5.6	5.5	4.3
11 PST 84-605	5.3	5.5	5.0	5.5	5.4	5.0
12 Barmax	5.3	4.9	5.2	5.3	6.0	5.0
13 Eclipse	5.2	6.0	5.0	5.5	5.5	4.1
14 PST A7-179	5.2	5.6	4.8	5.2	6.0	4.4
15 Barsweet	5.2	5.7	5.2	5.6	5.3	4.1
16 Belmont	5.2	5.7	5.0	5.5	5.4	4.4
17 Ram-1	5.2	5.7	5.2	5.2	5.5	4.4
18 A84-837 Forest Hills	5.2	5.3	4.8	5.6	5.7	4.3
19 PST A7-244	5.1	5.5	5.0	5.4	5.8	4.0
20 Bar VB 895	5.1	5.5	4.9	6.0	5.1	4.2
21 PST A7-249	5.1	5.5	4.9	5.4	5.6	4.3
22 SR-2000	5.1	5.6	4.4	5.7	4.9	4.9
23 ISI-21	5.1	4.9	4.7	6.0	5.0	5.0
24 Destiny	5.1	5.5	5.0	5.6	5.4	4.0
25 Livingston	5.1	5.5	4.8	5.7	5.0	4.6
26 Liberty	5.1	5.3	5.2	5.5	5.3	3.9
27 A84-587 Balt. City	5.0	4.9	4.8	5.8	4.9	4.7
28 A84-644 Kansas City IC	5.0	4.6	4.6	5.1	5.5	5.1
29 H87-104 Pat.Pk	5.0	5.5	4.7	5.9	4.9	4.0
30 Barcelona	5.0	5.0	5.0	6.1	5.4	3.5

Table 5 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----					
		1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.
31	PST 84-463	5.0	5.2	4.3	5.8	5.1	4.3
32	Unique	5.0	5.7	4.7	5.1	5.2	4.0
33	PST R-729	4.9	5.2	5.1	4.2	5.3	4.8
34	PST R-714	4.9	5.3	4.7	4.5	5.4	4.7
35	PST ISD-3	4.9	5.3	5.0	5.1	5.3	3.9
36	Crest	4.9	5.5	4.8	5.1	5.4	3.8
37	America	4.9	5.7	5.0	4.2	5.2	4.4
38	Shamrock	4.9	4.9	4.7	4.7	5.2	4.8
39	PST 82-651	4.9	5.4	4.6	5.3	5.3	3.7
40	PST-C-303	4.8	5.2	4.8	5.7	4.7	3.8
41	Bartitia	4.8	5.0	5.2	5.3	5.5	3.2
42	A84-902 Cal 466	4.8	5.1	4.7	5.9	4.5	3.9
43	Amazon	4.8	4.8	4.7	4.9	5.6	4.1
44	Sophia	4.8	5.1	4.9	4.8	5.3	3.7
45	A82-1274	4.8	5.1	4.7	5.4	4.8	3.8
46	PST-YQ	4.8	4.1	4.6	5.3	4.8	5.0
47	Freedom	4.8	4.9	4.4	5.7	5.0	4.0
48	Gen-RSP	4.7	4.8	4.2	5.2	4.4	5.1
49	NJIC	4.7	5.0	4.2	5.0	4.9	4.5
50	PST BM3	4.7	5.1	4.3	5.5	4.7	4.1
51	A85-162 Cascade	4.7	5.3	4.5	5.2	4.8	3.7
52	BA 74-017	4.7	5.5	4.8	4.7	5.3	3.2
53	A85-32 Cascade	4.7	5.1	4.7	5.1	5.0	3.4
54	Merion	4.6	4.5	5.0	4.3	5.1	4.2
55	A85-262 Cascade	4.6	4.9	4.3	4.8	5.3	3.8
56	1757	4.6	5.1	4.5	5.2	4.6	3.7
57	PST H87-429	4.6	5.2	4.7	4.9	4.6	3.7
58	H87-497 Tenn 658 IC	4.6	4.5	4.2	5.0	4.9	4.4
59	Baron	4.5	5.1	5.1	4.3	4.8	3.4
60	A85-38 Cascade	4.5	5.0	4.5	4.9	5.1	3.2
61	H86-749	4.5	4.7	4.3	4.6	5.0	3.9
62	H86-386	4.5	4.6	4.4	4.5	4.9	3.9
63	Cynthia	4.5	4.9	4.5	4.2	4.9	3.9
64	Wabash	4.5	4.3	3.8	5.0	4.5	4.8
65	PST-C-391	4.5	4.9	4.6	5.2	4.5	3.2

Table 5 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----					
		1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.
66	NE 80-47	4.5	5.1	4.7	4.5	4.3	3.8
67	Voyager	4.5	4.3	4.3	4.7	4.8	4.1
68	Bar VB 1169	4.4	4.8	4.0	5.2	4.6	3.5
69	NuStar	4.4	5.0	4.4	4.6	4.8	3.5
70	Kyosti	4.4	4.5	4.7	4.2	4.8	4.0
71	A85-156 Cascade	4.4	5.3	4.3	5.0	4.0	3.4
72	Merit	4.4	5.1	4.7	3.9	4.5	3.8
73	Nassau	4.4	4.3	4.4	5.0	4.3	4.0
74	Princeton 104	4.4	5.0	4.8	4.3	4.3	3.4
75	Suffolk	4.4	4.4	4.3	5.3	4.2	3.7
76	H86-190	4.3	5.0	4.7	3.9	4.5	3.5
77	Georgetown	4.3	4.7	4.2	5.0	4.2	3.5
78	Caliber	4.3	4.4	4.2	5.0	4.3	3.6
79	Bronco	4.3	4.7	4.1	4.2	4.7	3.8
80	Julia	4.3	4.4	4.4	4.5	4.5	3.6
81	Unknown	4.3	5.1	4.2	4.3	5.1	2.8
82	Dawn	4.3	4.6	4.5	4.8	4.1	3.3
83	Opal	4.2	4.3	4.4	4.7	4.5	3.3
84	Haga	4.2	4.9	4.1	4.4	4.0	3.7
85	Washington	4.2	4.7	4.4	3.5	4.7	3.4
86	EVB 13.863	4.2	4.0	4.3	4.4	4.9	3.3
87	Fortuna	4.2	5.3	4.5	3.9	4.0	3.1
88	NuBlue	4.1	4.7	4.6	4.2	4.2	3.0
89	Ikone	4.1	4.6	3.9	4.4	4.4	3.1
90	Monopoly	4.1	3.9	4.2	4.3	4.2	3.8
91	Limousine	4.0	5.0	4.6	3.3	4.4	2.9
92	Barzan	4.0	5.3	4.1	3.8	3.7	3.1
93	Banjo	4.0	3.6	3.6	3.8	4.2	4.8
94	PST A7-318	4.0	4.5	4.2	3.7	4.6	2.8
95	Bar VB 7037	3.9	4.4	4.4	3.5	4.5	3.0
96	ZPS-84-749	3.9	4.3	3.9	2.9	4.3	4.2
97	Apex	3.9	4.3	4.2	3.1	4.4	3.2
98	Gnome	3.8	4.4	4.0	3.5	4.4	2.9
99	Glade	3.8	4.7	3.4	3.7	4.6	2.7
100	Miracle	3.8	4.2	3.6	3.1	4.2	3.8

Table 5 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----					
	1991-1995 Avg.	1991 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.
101 Chelsa	3.6	4.3	3.3	4.4	3.2	2.8
102 KWS Pp 13-2	3.6	3.6	3.5	4.1	3.5	3.1
103 PST-A7-111	3.5	4.0	3.2	2.9	3.4	4.2
104 Park	3.5	3.4	3.9	3.2	3.5	3.4
105 Alene	3.2	3.2	3.3	3.0	3.0	3.4
106 BA 78-376	3.1	2.9	3.1	2.9	3.1	3.4
107 MN 2405	2.8	3.2	2.7	2.5	2.8	2.7
108 Kenblue	2.7	3.0	2.6	2.6	2.9	2.6
109 So. Dakota Cert.	2.7	2.3	2.5	2.8	3.0	3.1
LSD at 5% =	0.8	0.8	0.8	1.1	1.0	1.2

¹ 9 = best turf quality

Table 6. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1990 at Pittstown, NJ. (Includes 1990 Low Maintenance National Test #2 - NTEP.)

Cultivar or Selection	-----Turf Quality ¹ -----				
	1991-1995 Avg.	1991 Avg.	1992-1993 Avg.	1994 Avg.	1995 Avg.
1 Apex	5.7	5.9	6.3	5.9	4.8
2 H86-697	5.5	6.1	6.1	5.0	4.6
3 Ram-I	5.4	6.1	5.3	5.2	4.9
4 C-74	5.4	5.5	5.5	5.8	4.7
5 PST HRW-23	5.3	5.7	5.4	5.6	4.6
6 Limousine	5.2	4.8	6.0	5.1	4.9
7 H86-920 P1exBTE	5.2	5.8	5.4	5.0	4.6
8 Eclipse	5.2	5.5	5.6	5.4	4.2
9 H86-734 1975 KB OP	5.2	5.9	5.4	5.6	3.7
10 H86-561 Rt.70xJulia	5.1	5.9	5.8	4.9	4.0
11 H86-766 1976 Bent	5.1	5.7	5.4	5.4	4.1
12 Unique	5.1	5.7	5.2	5.2	4.4
13 A84-868 CP NYC	5.1	5.2	5.2	5.5	4.6
14 A88-1145 Julia der	5.1	6.2	6.2	4.8	3.2
15 A88-137 Julia der	5.1	6.4	5.6	4.9	3.6
16 A88-744	5.1	6.2	5.9	4.8	3.4
17 Unknown	5.1	5.8	5.6	4.9	3.9
18 PST A7-249	5.1	5.4	5.6	5.0	4.1
19 A82-1095 HF2	5.1	5.3	5.5	5.0	4.3
20 Princeton 104	5.0	5.7	5.5	4.6	4.4
21 Sophia	5.0	5.6	5.4	5.1	3.9
22 Washington	5.0	5.3	4.8	5.1	4.8
23 PST A7-244	5.0	5.7	5.2	5.0	4.1
24 America	5.0	5.5	5.0	5.3	4.0
25 Merit	5.0	5.9	5.3	4.9	3.9
26 PST A84-803	5.0	6.3	5.1	5.1	3.5
27 Gnome	5.0	5.6	5.2	5.2	3.9
28 BA 74-017	5.0	6.1	5.6	4.6	3.6
29 A82-1193 B.Vista	4.9	5.0	4.9	5.4	4.4
30 Crest	4.9	5.7	5.4	4.5	4.0

Table 6 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				
		1991-1995 Avg.	1991 Avg.	1992-1993 Avg.	1994 Avg.	1995 Avg.
31	PST R-714	4.9	5.6	5.1	5.4	3.5
32	Belmont	4.9	5.7	5.6	4.2	4.1
33	Cobalt	4.9	5.8	5.7	4.3	3.7
34	Livingston	4.9	5.6	5.2	4.1	4.5
35	Bar VB 7037	4.9	4.9	5.0	5.2	4.3
36	Fortuna	4.9	5.5	5.7	4.8	3.4
37	Bartitia	4.8	6.0	5.9	3.4	4.0
38	Midnight	4.8	6.5	5.4	4.5	2.9
39	A82-1272	4.8	5.9	4.8	4.7	3.8
40	Baron	4.8	5.7	5.1	4.6	3.7
41	PST A7-179	4.8	5.5	5.0	4.4	4.3
42	Barmax	4.8	4.9	5.2	4.4	4.6
43	Barcelona	4.7	6.2	5.5	3.9	3.4
44	SR-2000	4.7	5.8	5.1	4.3	3.8
45	Opal	4.7	5.5	5.4	3.8	4.2
46	EVB 13.703	4.7	4.8	5.2	4.7	4.1
47	A85-38 Cascade	4.7	5.4	4.9	4.8	3.5
48	A84-563 Valsburg Park	4.7	4.8	4.7	4.9	4.3
49	Cynthia	4.7	5.5	5.1	4.2	3.8
50	Nassau	4.7	5.3	4.9	4.4	3.9
51	Julia	4.6	5.5	5.2	4.2	3.5
52	Caliber	4.6	5.1	5.0	4.4	4.0
53	1757	4.6	5.3	5.0	4.2	4.0
54	Fylking	4.6	5.2	5.0	4.2	4.0
55	Shamrock	4.6	5.2	5.2	4.6	3.7
56	J-386	4.6	4.9	5.2	4.5	3.7
57	A84-837 Forest Hills	4.6	5.6	5.1	4.4	3.2
58	Bar VB 1169	4.6	5.3	4.9	4.3	3.9
59	Cheri	4.6	5.4	4.9	4.5	3.5
60	ZPS-84-749	4.6	4.8	4.1	5.0	4.4
61	Monopoly	4.6	4.8	4.5	5.0	3.9
62	Chelsea	4.5	5.6	4.4	4.4	3.9
63	H86-808 MC 9	4.5	4.9	4.5	5.0	3.8
64	Glade	4.5	5.7	4.7	4.2	3.5
65	A84-587 Balt. City	4.5	4.7	4.6	4.6	4.1

Table 6 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				
		1991-1995 Avg.	1991 Avg.	1992-1993 Avg.	1994 Avg.	1995 Avg.
66	H86-783 Roselawn	4.5	5.3	4.1	4.4	4.1
67	A82-1274	4.5	5.3	4.3	4.4	3.9
68	Barsweet	4.5	5.7	5.2	3.3	3.7
69	Georgetown	4.5	5.2	4.4	4.5	3.8
70	PST-YQ	4.5	4.8	4.7	3.8	4.6
71	NE 80-47	4.5	4.9	5.1	3.7	4.0
72	A84-644 Kansas City IC	4.4	5.1	3.8	4.8	4.1
73	Ikone	4.4	5.1	5.1	3.7	3.9
74	Adelphi	4.4	4.7	4.2	5.0	3.8
75	Miracle	4.4	5.4	4.9	3.7	3.8
76	Bronco	4.4	5.1	4.7	4.2	3.8
77	H86-190	4.4	5.2	4.9	4.3	3.3
78	Liberty	4.4	5.4	4.4	4.3	3.5
79	NuBlue	4.4	5.2	4.9	4.0	3.5
80	PST 84-413	4.4	5.6	4.4	4.1	3.5
81	A82-1195 B.Vista	4.4	4.9	4.0	4.5	4.1
82	Destiny	4.4	5.8	4.4	4.2	3.1
83	H86-749	4.4	5.0	3.9	4.8	3.8
84	Barzan	4.4	5.6	3.7	4.7	3.4
85	Dawn	4.3	5.0	4.2	4.3	3.9
86	PST-C-303	4.3	5.2	4.2	4.1	3.8
87	H87-374 RSP	4.3	4.8	3.6	4.9	4.0
88	Amazon	4.3	5.1	4.9	3.8	3.5
89	PST-C-391	4.3	5.2	4.3	3.9	3.9
90	A84-925 Tenn 685 IC	4.3	4.8	3.9	4.4	4.1
91	EVB 13.863	4.3	5.1	5.2	3.8	3.1
92	Voyager	4.3	4.8	3.9	4.5	4.0
93	Bar VB 895	4.3	4.9	4.4	4.0	3.9
94	NuStar	4.3	4.9	4.8	3.8	3.6
95	A84-902 Cal 466	4.3	5.0	4.2	4.4	3.7
96	H86-811 MC 13	4.3	4.7	3.7	4.9	4.0
97	H87-497 Tenn 658 IC	4.3	4.8	3.6	4.8	3.9
98	PST H87-429	4.3	5.3	4.0	4.6	3.5
99	Kyosti	4.3	4.7	4.7	4.0	3.7
100	H87-361 RSP	4.3	4.7	3.6	4.7	4.1

Table 6 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----				
	1991-1995 Avg.	1991 Avg.	1992-1993 Avg.	1994 Avg.	1995 Avg.
101 HV-116	4.3	5.2	5.0	3.8	3.0
102 PST 84-605	4.2	5.9	4.1	3.8	3.2
103 Paso	4.2	4.8	4.3	4.0	3.8
104 ISI-21	4.2	4.7	4.2	4.0	4.0
105 Gen-RSP	4.2	4.5	3.4	4.8	4.1
106 PST A84-405	4.2	5.3	4.5	3.9	3.1
107 Haga	4.2	5.3	4.0	3.7	3.8
108 PST 84-463	4.2	5.8	3.6	4.0	3.4
109 Suffolk	4.1	5.0	4.0	3.4	4.1
110 Freedom	4.1	4.8	3.8	4.3	3.6
111 H87-104 Pat.Pk	4.1	5.2	4.0	4.1	3.0
112 NJIC	4.1	4.2	3.8	4.4	3.9
113 Park	4.1	4.2	3.8	4.5	3.8
114 S-21	4.0	4.0	3.7	4.3	4.1
115 Nugget	4.0	4.0	5.4	3.8	2.8
116 Wabash	4.0	4.5	3.2	4.3	3.9
117 Bel 21	4.0	4.6	4.0	4.1	3.2
118 PST BM3	4.0	4.5	4.0	4.0	3.3
119 Nutop	3.9	5.0	4.5	3.4	2.9
120 Alene	3.9	5.0	3.8	3.9	2.9
121 Banjo	3.8	4.5	3.5	3.8	3.6
122 Merion	3.8	3.3	4.6	3.9	3.4
123 BA 78-376	3.7	3.8	3.6	3.9	3.7
124 Alene	3.6	4.2	3.0	3.7	3.5
125 PST-A7-111	3.5	4.3	3.3	2.9	3.4
126 So. Dakota Cert.	3.5	3.6	3.1	3.9	3.3
127 Kenblue	3.3	3.7	2.7	4.0	2.9
128 MN 2405	3.0	3.2	2.5	3.4	2.9
LSD at 5% =	0.6	0.6	0.7	1.0	1.0

¹ 9 = best turf quality

Table 7. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1991 at Adelphia, NJ.

	Cultivar or Selection	-----Turf Quality ¹ -----				
		1992-1995 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.
1	Midnight	7.3	7.4	7.6	7.1	7.0
2	A83-285	6.7	7.3	7.0	6.1	6.5
3	America	6.7	7.5	6.4	6.8	6.0
4	A83-70 A25xSyds	6.7	7.3	7.1	5.9	6.4
5	P-105	6.5	6.7	6.5	6.3	6.3
6	A84-638	6.5	6.9	6.3	6.3	6.4
7	SR-2000	6.5	7.2	6.5	6.5	5.8
8	A81-1372	6.5	6.5	6.4	7.1	5.8
9	J87-57	6.4	5.9	6.4	6.8	6.6
10	Blacksburg	6.4	6.0	6.8	6.2	6.8
11	Princeton 104	6.4	6.8	6.2	5.8	6.7
12	Eclipse	6.3	6.5	6.1	6.4	6.3
13	SRX 2109	6.3	7.0	6.0	6.1	5.9
14	514	6.1	7.2	5.7	5.8	5.7
15	A82-1272	6.1	7.2	5.5	6.3	5.1
16	Wildwood	6.1	7.2	5.7	5.8	5.7
17	H86-1190	6.1	7.2	6.0	5.3	5.8
18	NuBlue	5.9	6.9	6.5	5.0	5.2
19	Fylking	5.9	6.7	5.5	5.1	6.2
20	Nustar	5.9	6.3	5.2	5.6	6.4
21	A88-774	5.8	6.7	5.7	6.1	4.8
22	Alpine	5.8	6.1	5.3	5.6	6.3
23	Unique	5.8	6.6	5.7	6.2	5.0
24	Opal	5.8	6.8	5.8	5.8	4.9
25	A83-855 A20xTD	5.7	6.3	5.3	5.2	6.0
26	Ikone	5.7	7.0	6.0	5.0	4.8
27	Limousine	5.7	6.6	5.6	5.1	5.5
28	A82-1274	5.6	6.8	5.7	5.5	4.4
29	Nassau	5.6	6.8	5.7	5.4	4.5
30	PST-A4-803	5.6	6.9	6.1	4.9	4.7

Table 7 (continued).

	Cultivar or Selection	-----Turf Quality ¹ -----				
		1992-1995 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.
31	Banff	5.6	6.3	6.0	5.5	4.4
32	Broadway	5.6	6.0	5.6	5.1	5.5
33	Washington	5.5	6.0	5.3	5.2	5.8
34	Shamrock	5.5	6.5	5.6	5.4	4.6
35	Preakness	5.4	6.2	5.0	5.6	5.0
36	Suffolk	5.3	6.0	5.7	5.4	4.2
37	Miranda	5.3	5.5	5.3	4.9	5.5
38	Canterbury	5.3	6.3	5.6	4.9	4.4
39	Georgetown	5.3	6.4	5.6	5.1	4.0
40	Adelphi	5.3	6.0	5.1	5.3	4.6
41	Livingston	5.3	6.1	5.3	5.1	4.5
42	Ram I	5.2	5.4	5.5	4.4	5.7
43	Fortuna	5.2	5.7	5.1	4.4	5.4
44	A82-1271	5.1	5.9	5.1	4.0	5.5
45	Baron	5.1	5.7	5.3	4.3	5.1
46	PST-A84-405	5.1	5.9	5.1	5.0	4.5
47	Glade	5.1	3.9	5.5	4.9	6.0
48	PST H87-429	5.0	6.1	5.4	4.4	4.1
49	Amazon	5.0	5.8	4.7	4.4	5.0
50	Trenton	5.0	6.0	5.1	4.8	4.1
51	H86-690	5.0	5.3	4.6	5.5	4.9
52	HV 125	4.9	6.0	4.6	4.6	4.5
53	SR-2100	4.8	5.4	4.5	4.6	4.6
54	Cheri	4.7	6.0	4.8	3.7	4.5
55	Sydsport	4.7	6.1	4.6	4.1	4.1
56	4 Aces	4.7	5.1	5.2	4.1	4.3
57	H86-190	4.7	5.4	4.2	4.2	5.0
58	Merit	4.7	5.5	5.1	3.6	4.6
59	Silvia	4.7	5.7	4.2	4.2	4.4
60	H86-749	4.6	4.3	4.1	5.3	4.6
61	Voyager	4.4	4.3	4.2	5.0	4.0
62	Eagleton	4.3	4.4	4.3	4.4	4.1
63	Alene	3.7	3.4	3.6	3.9	3.8
64	Huntsville	3.6	3.0	3.4	4.3	3.9
65	H86-783 Roselawn	3.6	3.7	3.3	3.8	3.6

Table 7 (continued).

Cultivar or Selection	-----Turf Quality ¹ -----				
	1992-1995 Avg.	1992 Avg.	1993 Avg.	1994 Avg.	1995 Avg.
66 Park	3.2	3.4	2.9	3.5	3.2
67 Garfield	3.1	3.1	2.6	3.1	3.5
68 Pomeroy	3.0	3.1	2.5	3.0	3.4
69 S-21	3.0	2.6	3.0	3.0	3.4
70 MN-2405	2.8	2.3	1.9	3.3	3.7
71 Kenblue	2.6	2.4	2.2	2.6	3.1
LSD at 5% =	0.5	0.6	0.7	0.9	0.8

¹ 9 = best turf quality

Table 8. Performance of Kentucky Bluegrass cultivars and selections in a turf trial seeded in September 1992 at North Brunswick, NJ.

	Cultivar or Selection	-----Turf Quality ¹ -----			
		1993-1995 Avg.	1993 Avg.	1994 Avg.	1995 Avg.
1	SRX 2109	6.4	5.8	6.8	6.5
2	A83-70 A25xSyds	6.3	6.3	6.7	6.0
3	A81-2183 A25xBG	6.3	6.4	6.2	6.3
4	H86-1020 A25xBG	6.2	5.7	6.7	6.2
5	A84-638	6.1	6.5	5.8	5.9
6	H87-104 Pat Pk	6.0	5.6	6.1	6.3
7	Blacksburg	5.9	6.2	6.1	5.5
8	America	5.9	6.1	6.3	5.4
9	A88-199 Tennant Cem	5.9	6.1	6.1	5.5
10	H86-697	5.9	6.5	5.8	5.4
11	Suffolk	5.8	5.4	5.8	6.4
12	C-303	5.8	5.1	6.0	6.3
13	Unique	5.8	5.9	6.3	5.3
14	A82-1272	5.8	5.7	5.9	5.8
15	H86-1190 A25xBG	5.8	6.2	6.1	5.1
16	Columbia	5.8	5.3	5.8	6.1
17	A83-876	5.7	6.3	5.9	5.0
18	P-105	5.7	6.0	6.3	4.9
19	Washington	5.7	5.7	5.9	5.4
20	Freedom	5.7	5.0	5.6	6.4
21	Limousine	5.7	5.4	5.7	5.9
22	Shamrock	5.6	5.6	6.2	5.0
23	1757	5.6	5.3	5.7	5.7
24	Livingston	5.5	6.1	5.8	4.8
25	Julia	5.5	6.3	5.7	4.5
26	A7-244	5.5	6.2	5.9	4.4
27	Adelphi	5.5	5.7	5.6	5.1
28	H90-1149 Hghtstn HS	5.5	5.2	5.3	5.8
29	Eclipse	5.4	5.9	5.7	4.7
30	NuStar	5.4	5.8	6.0	4.5

Table 8 (continued).

		-----Turf Quality ¹ -----			
	Cultivar or Selection	1993-1995 Avg.	1993 Avg.	1994 Avg.	1995 Avg.
31	Georgetown	5.4	5.5	5.3	5.3
32	Optigreen	5.4	6.7	5.3	4.1
33	J13-152	5.3	5.5	4.9	5.5
34	Glade	5.3	5.7	5.8	4.3
35	Sydsport	5.3	6.0	5.1	4.8
36	J-327	5.2	5.8	5.4	4.5
37	Apex	5.2	6.4	4.7	4.6
38	H90-1172 Cascade	5.2	5.3	5.3	5.0
39	H90-205 Balt City	5.2	5.2	5.2	5.3
40	Cheri	5.2	6.2	5.2	4.1
41	H86-749	5.2	5.1	5.0	5.3
42	J34-99	5.2	5.2	5.3	5.1
43	J-11-94	5.1	5.3	4.8	5.3
44	A88-109 Forest Hills	5.1	5.2	5.0	5.1
45	Caliber	5.1	5.6	5.1	4.4
46	Ram-I	5.1	5.8	5.1	4.2
47	Baron	5.0	5.5	5.9	3.7
48	Midnight	5.0	4.7	5.6	4.7
49	Bel 21	5.0	5.0	5.1	4.8
50	Nublu	4.9	5.5	4.8	4.5
51	PST H87-429	4.9	5.6	4.7	4.4
52	Voyager	4.9	5.4	4.7	4.5
53	Eagleton	4.9	5.3	4.9	4.4
54	J-386	4.8	5.3	5.3	3.9
55	A-34	4.8	4.9	4.9	4.6
56	Nustar	4.8	5.5	5.1	3.8
57	4 Aces	4.8	5.1	4.9	4.2
58	A82-1271	4.7	5.4	5.0	3.8
59	Tenn 658 IC	4.7	5.2	4.2	4.6
60	Merit	4.6	5.2	4.8	3.8
61	Belmont	4.6	5.8	4.1	3.8
62	Fylking	4.6	4.9	4.8	4.0
63	Classic	4.6	5.0	4.6	4.1
64	Nassau	4.4	5.4	3.9	4.0
65	Nimbus	4.4	4.9	4.3	3.9

Table 8 (continued).

		-----Turf Quality ¹ -----			
Cultivar or Selection		1993-1995 Avg.	1993 Avg.	1994 Avg.	1995 Avg.
66	RSP	4.3	5.1	4.4	3.5
67	H86-190	4.2	4.9	4.3	3.3
68	Amazon	4.2	5.2	4.1	3.2
69	BlueStar	4.0	5.5	3.7	2.9
70	Huntsville	3.9	4.4	3.7	3.5
71	H86-811 MC-13	3.8	4.7	3.8	3.0
72	H86-783 Roselawn	3.8	4.7	3.8	2.8
73	Newport	3.6	4.4	3.4	3.1
74	Kenblue	3.2	3.9	3.0	2.6
75	S-21	3.1	4.4	2.4	2.5
76	Pomeroy	3.0	4.1	2.6	2.4
77	Garfield	2.9	4.1	2.5	2.2
78	MN 2405	2.6	3.4	2.3	2.2
LSD at 5% =		0.7	0.7	0.9	1.0

¹ 9 = best turf quality

Table 9. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in October 1993 at Adelphia, NJ.

	Cultivar or Selection	Turf Quality ¹ 1995 Avg.	Purple Color ² Dec. 1995 Avg.
1	A83-70 A25xSyds	7.0	6.3
2	A85-301 A20-6A OP	6.9	7.0
3	Midnight	6.9	4.7
4	A83-876 Fine type	6.8	8.3
5	A90-327 A25xBG	6.7	7.7
6	Wildwood	6.7	3.7
7	A91-706 Ewing 5 der	6.7	5.7
8	A88-90 A25xBG	6.6	8.3
9	Glade	6.5	3.0
10	Ram I	6.3	4.7
11	A84-123 Adelphi der	6.2	3.3
12	J-308	6.2	4.7
13	P-105	6.0	2.4
14	NuStar	6.0	2.3
15	P-104	6.0	8.0
16	Julia	6.0	5.3
17	A88-199 Tennant Cem	5.9	6.2
18	Limousine	5.9	4.3
19	SRX 2109	5.8	6.8
20	Eclipse	5.8	5.7
21	Washington	5.7	4.0
22	C-74	5.7	5.7
23	H90-1149 Hgtstn HS der	5.7	6.7
24	H87-199 Patch 54	5.7	5.7
25	A82-1095 HF II	5.7	7.0
26	Plush	5.6	5.7
27	PST H87-429	5.6	5.9
28	Classic	5.4	8.0
29	Adelphi	5.2	6.7
30	H90-205 Balt City	5.2	6.2

Table 9 (continued).

	Cultivar or Selection	Turf Quality ¹ 1995 Avg.	Purple Color ² Dec. 1995 Avg.
31	Merion	5.2	4.0
32	NuBlue	5.1	7.7
33	Belmont	5.1	6.3
34	Rita	5.1	7.0
35	Amazon	5.0	5.0
36	Penn Pro	5.0	6.3
37	H87-104 Pat Pk	5.0	9.0
38	Belturf	5.0	4.0
39	H86-190	5.0	4.0
40	Freedom	4.9	9.0
41	Shamrock	4.9	4.8
42	Trenton	4.9	7.3
43	Baron	4.8	4.3
44	Fylking	4.8	9.0
45	Apex	4.7	7.3
46	Rugby	4.7	8.3
47	S-21	4.6	4.7
48	1757	4.6	7.7
49	Cheri	4.6	7.3
50	Suffolk	4.4	9.0
51	Nassau	4.4	7.0
52	GA448	4.4	9.0
53	Huntsville	4.3	4.7
54	Georgetown	4.3	8.0
55	Sydsport	4.2	6.7
56	Pomeroy	4.1	5.0
57	Wabash	4.1	4.0
	LSD at 5% =	1.0	1.9

¹ 9 = best turf quality

² 9 = least purple color

Table 10. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1994 at Adelphia, NJ. (Medium-High Maintenance Test.)

	Cultivar or selection	Turf Quality ¹ 1995 Avg.	Seedling Vigor ² Oct. 1994 Avg.	Dark Color ³ Nov. 1994 Avg.	Purple Color ⁴ Dec. 1995 Avg.
1	Wildwood	7.1	4.7	8.7	5.0
2	America	7.0	4.3	7.0	6.7
3	Midnight	7.0	5.3	7.7	4.7
4	Unique	6.8	4.3	6.5	6.7
5	Blacksburg	6.7	4.7	7.0	6.3
6	C-74	6.6	5.0	6.3	6.3
7	H90-1149 Hgts HS der	6.5	5.3	8.3	7.7
8	SR A82-2005	6.5	5.0	7.0	7.0
9	A81-2183	6.5	4.6	5.6	6.9
10	P-105	6.5	4.9	6.4	2.5
11	Limousine	6.3	3.7	4.7	5.7
12	H86-697	6.2	4.7	8.7	6.0
13	SRX 2109	6.2	3.7	6.5	6.4
14	Rita	6.1	5.5	7.5	6.5
15	Apex	6.1	3.7	7.3	5.3
16	A91-624	6.0	6.0	7.0	4.0
17	Ram I	6.0	4.0	7.7	3.7
18	Eclipse	5.7	4.7	6.0	6.3
19	Aspen	5.6	5.0	6.7	5.0
20	A91-719	5.6	6.0	7.0	6.0
21	Tennant Cem	5.6	3.7	7.0	5.3
22	H86-777 NJ Tpk	5.6	5.0	7.3	5.3
23	H87-203 Dan Stecker	5.6	5.0	8.0	5.7
24	H87-104 Pat Pk	5.6	5.8	4.9	7.6
25	A91-630	5.6	6.0	6.0	6.7
26	A91-621	5.6	6.0	6.7	5.8
27	A82-1095 HF II	5.6	3.8	4.9	6.7
28	H86-788 J+J	5.6	4.2	5.0	6.4
29	Belturf	5.6	5.3	7.0	5.3
30	Julia	5.5	5.0	6.0	5.7

Table 10 (continued).

	Cultivar or selection	Turf Quality ¹ 1995 Avg.	Seedling Vigor ² Oct. 1994 Avg.	Dark Color ³ Nov. 1994 Avg.	Purple Color ⁴ Dec. 1995 Avg.
31	Freedom	5.5	6.7	5.0	8.0
32	Adelphi	5.5	6.0	6.3	6.0
33	Shamrock	5.5	4.7	6.0	5.0
34	Cheri	5.4	3.3	5.0	6.3
35	Princeton 104	5.4	5.3	5.3	6.3
36	Glade	5.4	5.3	6.3	4.3
37	A91-620	5.4	6.6	6.8	5.7
38	Classic	5.4	5.7	5.3	8.0
39	A91-628	5.3	5.3	6.7	6.0
40	Rugby	5.3	6.7	4.7	8.3
41	Sydsport	5.2	3.7	4.0	6.7
42	A91-626	5.2	5.3	6.3	6.0
43	NuBlue	5.2	6.0	5.0	7.0
44	Trenton	5.1	6.0	4.3	7.7
45	1757	5.1	5.3	4.7	8.0
46	NuStar	5.1	4.7	4.7	2.7
47	Georgetown	5.1	3.3	5.7	8.0
48	Liberty	5.1	6.0	4.3	7.7
49	Suffolk	5.0	5.0	5.3	8.3
50	Belmont	5.0	3.7	5.7	6.7
51	Belturf	5.0	6.9	6.7	5.3
52	Washington	5.0	7.3	5.7	5.0
53	Canterbury A85-48	5.0	6.0	5.3	7.7
54	Kelly	4.9	5.0	4.3	4.3
55	Amazon	4.8	3.7	5.3	5.3
56	A91-625	4.8	6.3	6.3	6.0
57	Merit	4.7	5.0	4.3	5.0
58	A91-430 J Moore	4.7	6.7	4.7	5.7
59	Fylking	4.7	4.7	5.3	5.0
60	A82-1271	4.7	4.5	4.3	4.2
61	Baron	4.6	4.7	4.7	5.7
62	Livingston	4.6	5.7	5.0	5.7
63	Penn Pro	4.6	4.3	4.0	5.0
64	Nimbus	4.6	6.0	1.7	5.7
65	A34	4.5	5.7	3.0	5.3

Table 10 (continued).

	Cultivar or selection	Turf Quality ¹ 1995 Avg.	Seedling Vigor ² Oct. 1994 Avg.	Dark Color ³ Nov. 1994 Avg.	Purple Color ⁴ Dec. 1995 Avg.
66	H90-1121 Rt 130	4.4	5.3	5.3	3.3
67	BM3	4.4	8.0	5.0	7.0
68	A91-426 J Moore	4.4	6.0	4.3	5.7
69	A84-587 Balt City	4.3	6.3	4.3	4.0
70	Ga 448	4.1	8.0	2.0	6.7
71	A84-837 Forest Hill	4.1	7.0	4.7	2.7
72	RSP	3.9	7.4	4.8	3.7
73	Plush	3.9	6.3	3.0	5.7
74	H86-749	3.9	6.5	4.9	2.7
75	Bel 21	3.7	7.3	3.3	5.3
76	Huntsville	3.5	6.0	6.3	4.0
77	S-21	2.5	8.0	3.3	5.3
	LSD at 5% =	0.7	1.4	1.2	1.4

- ¹ 9 = best turf quality
² 9 = best seedling vigor
³ 9 = darkest color
⁴ 9 = least purple color

Table 11. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1994 at Adelphia, NJ. (High Maintenance Test #2.)

	Cultivar or selection	Turf Quality ¹ 1995 Avg.	Seedling Vigor ² Oct. 1994 Avg.	Dark Color ³ Nov. 1994 Avg.	Purple Color ⁴ Dec. 1995 Avg.
1	A418	7.4	4.4	9.0	6.3
2	Unique	6.3	5.3	7.0	6.7
3	Midnight	6.1	4.3	7.7	5.0
4	America	6.1	6.0	7.0	6.7
5	A118	6.0	4.0	8.7	5.0
6	Blacksburg	5.8	4.0	7.7	6.7
7	Baron	4.2	5.3	5.0	5.3
	LSD at 5% =	0.7	1.0	0.8	1.4

¹ 9 = best turf quality

² 9 = best seedling vigor

³ 9 = darkest color

⁴ 9 = least purple color

Table 12. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 1994 at Adelphia, NJ. (Low Maintenance Test.)

	Cultivar or selection	Turf Quality ¹ 1995 Avg.	Seedling Vigor ² Oct. 1994 Avg.	Height ³ Nov. 1994 Avg.
1	SR A82-2005	6.7	5.7	2.3
2	Midnight	6.5	5.0	4.0
3	A83-876	6.3	4.7	1.7
4	Blacksburg	6.3	5.0	3.0
5	Apex	6.2	5.3	3.3
6	SRX 2109	6.1	4.2	4.4
7	H86-697	6.1	4.0	3.3
8	H90-1149 Hgts HS der	6.0	6.0	5.7
9	Unique	6.0	5.0	2.0
10	Ram I	6.0	5.3	6.3
11	America	5.8	5.3	2.0
12	Wildwood	5.8	5.3	4.0
13	Rita	5.6	5.3	5.0
14	H86-788 J+J	5.4	5.8	4.0
15	Cheri	5.3	5.3	4.0
16	P-105	5.3	5.4	5.4
17	A81-2183	5.2	5.0	3.7
18	RSP	5.2	5.7	5.7
19	Eclipse	5.2	5.0	4.7
20	Julia	5.2	5.0	6.0
21	Princeton 104	5.1	5.0	6.0
22	Rugby	5.1	6.0	6.0
23	A91-621	5.1	5.4	5.3
24	Classic	5.1	5.7	6.0
25	Nimbus	5.1	6.0	6.3
26	H90-1121 Rt 130	5.1	5.3	6.3
27	A82-1095 HF II	5.0	5.3	4.1
28	A84-837 Forest Hill	5.0	6.0	4.3
29	Washington	5.0	7.7	7.0
30	A91-630	5.0	5.3	4.0

Table 12 (continued)

	Cultivar or selection	Turf Quality ¹ 1995 Avg.	Seedling Vigor ² Oct. 1994 Avg.	Height ³ Nov. 1994 Avg.
31	A82-1091 HF II	5.0	5.5	4.0
32	Shamrock	5.0	5.7	4.0
33	Fylking	5.0	5.3	5.0
34	Limousine	5.0	5.0	2.0
35	Adelphi	4.9	5.3	4.7
36	Freedom	4.9	6.0	6.7
37	Tennant Cem	4.9	5.0	3.0
38	NuStar	4.9	5.0	4.0
39	Belturf	4.9	6.0	4.0
40	1757	4.8	6.0	6.3
41	Aspen	4.8	5.3	5.0
42	Glade	4.7	5.7	3.3
43	H86-749	4.7	5.3	4.3
44	Georgetown	4.7	2.7	4.0
45	A82-1271	4.7	5.2	4.3
46	Livingston	4.7	5.3	6.7
47	A91-628	4.7	5.7	5.0
48	Sydsport	4.6	4.7	3.3
49	Suffolk	4.6	4.7	6.7
50	Bel 21	4.6	6.7	6.0
51	Plush	4.6	6.3	4.3
52	Liberty	4.5	5.0	5.3
53	Huntsville	4.5	5.7	6.7
54	Baron	4.5	5.7	4.0
55	Belmont	4.5	4.7	4.3
56	A84-587 Balt City	4.4	4.7	4.7
57	Trenton	4.4	7.0	6.3
58	Kelly	4.4	5.7	3.7
59	Merit	4.4	5.0	4.0
60	Amazon	4.3	5.7	3.7

Table 12 (continued)

Cultivar or selection		Turf Quality ¹ 1995 Avg.	Seedling Vigor ² Oct. 1994 Avg.	Height ³ Nov. 1994 Avg.
61	Ga 448	4.3	5.7	6.0
62	NuBlue	4.2	5.7	4.3
63	Canterbury A85-48	3.7	5.0	5.0
64	Penn Pro	3.6	5.0	5.0
65	S-21	3.6	6.0	6.3
LSD at 5% =		0.7	0.9	1.3

¹ 9 = best turf quality

² 9 = best seedling vigor

³ 9 = tallest height

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

	1990		1991		1992		1993		1994		1995	
	N ¹	Ht ²	N	Ht	N	Ht	N	Ht	N	Ht	N	Ht
Table 1 (1990 Pittstown)	1.5	3.0	0.5	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.8 ³	2.4
Table 2 (1990 North Brunswick).....			4.8	1.5	2.8	1.5	3.1	1.5	3.7	1.5	2.8	1.5
Table 3 (1990 Adelphia)			5.0	1.5	3.8	1.5	1.7	1.5	2.8	1.5	2.2	2.0
Table 4 (1990 Adelphia)			5.0	1.5	3.8	1.5	1.7	1.5	2.8	1.5	2.2	2.0
Table 5 (1990 North Brunswick).....			1.7	2.5	1.0	2.5	0.7	3.0	1.0	3.0	1.5	3.0
Table 6 (1990 Pittstown)			0.5	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.8 ³	2.4
Table 7 (1991 Adelphia)			3.0	1.5	1.7	1.5	2.5	1.5	0.6	1.5	2.2	2.5
Table 8 (1992 North Brunswick).....									3.7	1.5	2.0 ⁴	1.5
Table 9 (1993 Adelphia)											5.5	2.0
Table 10 (1994 Adelphia)											5.6	1.5
Table 11 (1994 Adelphia)											6.6	1.5
Table 12 (1994 Adelphia)											0.7	2.5

- ¹ Annual N applied (lbs/1000 ft²).
- ² Mowing height in inches.
- ³ Nitrogen applied to front half of each plot only.
- ⁴ Ammonium sulfate applied to front half of plot; calcium nitrate applied to back half of plot.