

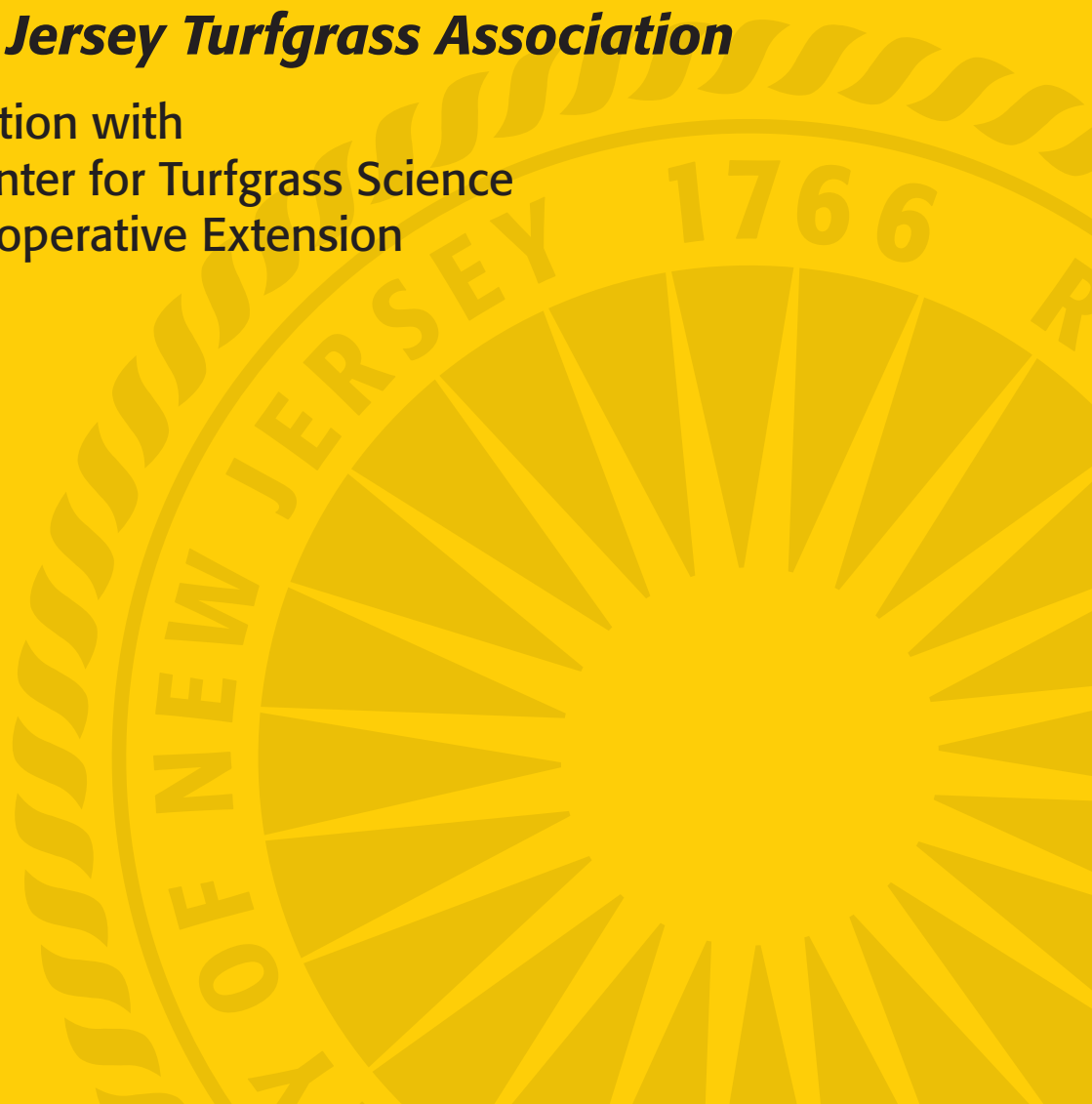
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The Rutgers Turfgrass Proceedings is published yearly by the Rutgers Center for Turfgrass Science, Rutgers Cooperative Extension, and the New Jersey Agricultural Experiment Station, School of Environmental and Biological Sciences, Rutgers, The State 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 2014 GREEN EXPO Turf and Landscape Conference. Publication of these lectures provides a readily available source of information

covering a wide range of topics and includes technical and popular presentations of importance to the turfgrass industry.

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

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

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Kentucky bluegrass (*Poa pratensis* L.) is one of the most widely used and well known cool-season turfgrasses in the United States and Canada. Kentucky bluegrass spreads by underground stems known as rhizomes. This rhizomatous growth habit allows for Kentucky bluegrass to cope with various stresses and recover quickly from damage while still maintaining a uniform complete turf cover. Kentucky bluegrass is a highly desired turfgrass for a large number of applications; however, its widespread utility is limited by some factors. While Kentucky bluegrass is an excellent turfgrass in sunny to partly shaded microclimates as long as adequate nutrition is supplied, it is often outperformed in low light or low fertility microclimates (Turgeon, 2008).

The extensive rhizome system of Kentucky bluegrass is one of the reasons that this species is popular and widely used in sports turf in the northern and northeastern regions of the United States. Rhizomes provide superior playability by reducing the damage caused by divoting and provide a smooth, uniform playing surface which helps to improve player safety. The rhizome system also allows Kentucky Bluegrass to be used in sod production.

Kentucky bluegrass, almost exclusively, reproduces asexually through a process known as apomixis. Although making crosses between genotypes is difficult to perform, apomixis in Kentucky bluegrass results in some advantages in the breeding process. Apomixis allows for the opportunity to utilize hybrid

vigor and produce true-to-type seeds from superior plants over multiple generations. Over the past several decades, more than 200 cultivars of Kentucky bluegrass have been released.

Texas bluegrass (*Poa arachnifera* Torr.), a species native to Texas and Oklahoma, is a dioecious species that is far more tolerant of heat and drought stress than Kentucky bluegrass. Crosses between Texas bluegrass female plants and Kentucky bluegrass are made to increase the tolerance of Kentucky bluegrass hybrids to heat and drought and to ultimately increase its adapted range into the transition zone.

Breeders are endlessly searching the world to obtain new germplasm in an attempt to continue to broaden the genetic basis of these two species. These collection trips and germplasm acquisitions are used in breeding programs to obtain new genes for stress tolerances and disease resistance and will be used to develop new cultivars. In addition to this breeding work, Rutgers participates in the National Turfgrass Evaluation Program (NTEP), which is sponsored by the USDA Beltsville Agricultural Research Center and the National Turfgrass Federation, Inc. NTEP is a program that, through the cooperation of many institutions nationwide, tests different turfgrass cultivars and selections in different environments in order to assess their performance in a broad range of locations.

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PROCEDURES

Nine Kentucky bluegrass trials were seeded from 2010 to 2013. Seven of these trials (Tables 1 to 4, 6 to 8) were located at the Rutgers Plant Biology and Pathology Research and Extension Farm at Adelphia, NJ, and one trial (Table 5) was located at the Rutgers Horticulture Research Farm II in North Brunswick, NJ.

These trials were planted by sowing a maximum of 0.53 oz of seed in 3 x 5 ft plots. This maximum rate is equivalent to 2.2 lb of seed per 1000 ft². The trials were all arranged in a randomized complete block design with three replications. Annual nitrogen rates as well as the mowing heights for each trial are presented in Table 9. Nitrogen rates were not constant for all of the fields in order to prevent disease or foster recovery from various stresses. Nitrogen application rates never exceeded 0.75 lb per 1000 ft². Mowing heights were maintained by using a reel mower for trials maintained at 1.5 inches and by a rotary mower for the trial maintained at 2.5 inches.

After establishment, annual weeds were controlled using spring and summer applications of Dimension, and broadleaf weeds were controlled with fall and or spring applications of 2,4-D, dicamba, and MCPP. Merit and Acelepryn was applied in July to control grubs on all tests presented. Depending on soil test results, soil pH was maintained between 6.0 and 6.5 with granular dolomitic limestone. Tests were irrigated during establishment and also when needed to avoid severe drought stress.

Monthly ratings of all trials were conducted throughout the growing season for overall quality. Overall turf quality ratings are visual assessments that take into account color, brightness, leaf texture, density, uniformity, damage due to disease and insects, and overall attractiveness of the plot. Data for all trials were statistically analyzed using analysis of variance, and means were separated using Fisher's protected least significant difference (LSD) means separation test. Results in Tables 1 to 5 are ranked according to the best overall turf performance (multiple-year quality average); tests established in 2013 (Tables 6 to 8) are ranked by turf quality average in 2014. In addition to overall quality ratings, supplementary ratings were taken when differences became evident within the trials. These additional ratings include spring green-up (Tables 1 to 4), wear quality (Table 4), stemminess (Tables 2 to 4), establishment (Tables 6 and 7), percent green cover (Table 7), genetic color

and uniformity (Table 3), disease (Tables 7 and 8), and turf emergence and drought quality (Table 8).

RESULTS

Spring Green-up

This trait depicts the wide range of genetic diversity within Kentucky bluegrass. Due to the increase in leaf elongation that occurs in response to increases in temperature and photoperiod (Parsons and Robson, 1980), cultivars adapted to the central northeast region are more sensitive to these conditions and may green up earlier in the spring. Cultivars and selections that are adapted to higher latitudes need more dramatic changes in temperature and photoperiod before spring green-up will begin. Cultivars and selections such as PST-T10-28 NO, H01-492, A09-258, BAR VV-112916, and A03-37 rated high for spring green-up, whereas cultivars and selections such as A04-1400, RAD-955, and Bewitched, and Midnight type cultivars such as Ginney, NuGlade, and Alexa II exhibited slow spring green-up (Tables 1 to 4).

Wear Quality

The ability of a turf stand to handle wear is an important trait to maintain the long-term quality and playability of the surface. Kentucky bluegrass is used extensively for sports fields in temperate climates due to its rhizomatous growth habit. Rhizomes help the turf recover from wear stress to form a uniform turf stand. As a result, the demand for traffic tolerant Kentucky bluegrass has continued to rise. Wear was simulated by using a novel wear simulator (Bonos et al., 2001), which is an engine-driven device with rotating rubber paddles that repeatedly hit the turf. Cultivars and selections that maintained a high level of quality while under wear stress included PST-K11-126, A12-38, H99-1653, and PST-K11-120GR; cultivars and selections such as RAD-860, RAD-1214, A12-26, and PST-K8-60 performed poorly under wear stress (Table 4).

Residual Reproductive Stems

A rating of "stemminess," or the amount of reproductive stems remaining in a plot after mowing, was evaluated in three trials on a 1 to 9 scale with a 9 representing a plot with little residual reproductive stems (Tables 2 to 4). The lack of stemminess is an attractive trait as it allows for a more consistent

and visibly appealing turfgrass stand. PST-K11-126, A11-47, H99-1653, A11-26, H01-938, PST-T10-23, H03-556, A01-881, A09-258, Bluenote, and PST-K11-120GR all exhibited the least steaminess in turf plots, while STR 2332, A04-1474, Waterworks, Geisha, H01-938, Camas, A04-1260, PST-T12-30, and PST-T10-27 contained the most reproductive stems.

Establishment

Green cover after establishment is an important characteristic for consumers, sod-growers, and other turf managers. Kentucky bluegrass is one of the slowest cool-season grasses to form a mature turfgrass stand. Establishment can be influenced by a variety of factors such as genetics, seed quality environment, management practices, and after-ripening dormancy. Other characteristics that affect establishment and seedling vigor include age of the seed, storage conditions, and environmental conditions at the time of seeding. Establishment ratings were taken on a 1 to 9 scale where 9 represents a plot that has filled in completely. Selections such as A04-13 and PST-PP-48431-10 had high ratings for establishment, while GO-5675KBG, A13-14, and Artesia were among those that rated poorly (Tables 6 and 7).

Genetic Color

Contrary to other areas of the world, dark green turfgrasses are typically more appealing to the American populace when compared to lighter green varieties. Breeding for darker green verdure in Kentucky bluegrass varieties is one focus of the Rutgers turfgrass breeding program. Although genetic color of the cultivar is taken into account when assessing the overall quality rating, individual measures of the depth of green color for each cultivar was also performed (Table 3). Entries with the darkest green color were Lunar, J-1136, Rush II, J-1853, Legend, Oasis, and Blue Coat, while the cultivar Thermal Blue and selections BAR Pp 119326 and Pick MD07 had the lightest green color.

Stem Rust

Stem rust (caused by the fungus *Puccinia graminis*) is a serious disease on some Kentucky bluegrasses. At the onset of stem rust, the turf often appears yellow, and as the disease progresses, brick-red flecks appear on leaf and stem tissues. In October 2014, stem rust developed in the 2013 Kentucky Bluegrass test (Table 7). Cultivars and

selections that were among the most resistant were Mercury, Armada, H99-1653, Shiraz, and Fahrenheit 90, while Arrowhead, Baron, Raven, and Midnight were more susceptible.

Percent Green Cover

Percent green cover is a digital estimation of turf coverage obtained with digital photographs analyzed with SigmaScan® as described by Richardson *et al.* (2001). During April 2014, the 2013 trial (Table 7) was rated for percent green cover. Cultivars and selections that exhibited high green cover included Mercury, DLF 1139, and Kenblue; cultivars and selections such as LTP-A-08-6, Baron, and Fahrenheit 90 had low green cover.

Low Maintenance

Performance under low maintenance (which includes reduced pesticide, fertilizer, mowing, and irrigation inputs) is an important characteristic since many home lawns and public recreation areas are maintained under these conditions. In addition, there is growing interest in reducing fertilization and irrigation in turfgrass areas for both environmental and economic reasons. Turf quality was evaluated under low maintenance in the 2012 (Table 5) and 2013 (Table 8) tests.

The 2013 low maintenance test in Adelpia (Table 8) was allowed to undergo drought and was rated for drought quality in July 2014. Entries that performed well in this environment included 98-10 Purple and the Texas bluegrass hybrid A04TB-7. Those that responded poorly included GO-5675KBG and Julius.

Grass that is growing slowly under stressed conditions such as those in a low maintenance situation (nitrogen deficiency, compaction, drought, and high temperature) is more susceptible to disease. The 2013 Adelpia low maintenance test (Table 8) was also evaluated for stem rust (*Puccinia graminis*) and snow mold (*Typhula* spp.) to determine how Kentucky bluegrass fares under low maintenance conditions with added disease pressure. Cultivars and selections that performed well for stem rust resistance included A04TB-7, PST-T10-18, and RAD-1371, while Julius, Anastasia, PST-101-362, and Corsair were among the least resistant. Those most tolerant of snow mold included A04-13, A04TB-7, and A04-14, while GO-5675KBG was the least tolerant (Table 8).

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 and under a broad range of conditions. Due to its extensive rhizome system, Kentucky bluegrass thrives very well under stressful conditions such as wear. Because of its diverse use in the turfgrass industry, improved resistance to important diseases, pests, and other abiotic stresses is needed if cultivars are expected to perform well in many situations.

ACKNOWLEDGMENTS

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Table 1. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2010 at Adelphia, NJ.

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | | Spring Green-up ² 9 April 2014 |
|-----------------------|--------------------------------------|-----------|-----------|-----------|-----------|--|
| | 2011-2014 Avg. | 2011 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | |
| 1 Liberator | 6.4 | 6.9 | 6.2 | 6.6 | 5.9 | 4.0 |
| 2 Award | 6.2 | 7.4 | 5.3 | 6.4 | 5.7 | 4.0 |
| 3 Midnight | 6.1 | 7.1 | 5.7 | 6.0 | 5.6 | 4.0 |
| 4 Solar Eclipse | 6.1 | 6.8 | 6.1 | 6.1 | 5.3 | 4.7 |
| 5 Freedom III | 6.1 | 6.9 | 6.0 | 6.2 | 5.3 | 4.0 |
| 6 Odyssey | 6.1 | 6.6 | 5.7 | 6.4 | 5.6 | 3.7 |
| 7 A04-340 | 6.1 | 6.5 | 6.3 | 6.3 | 5.2 | 4.0 |
| 8 A00-1400 | 6.1 | 6.8 | 6.1 | 5.9 | 5.5 | 5.7 |
| 9 Green Star | 6.1 | 6.9 | 5.7 | 6.0 | 5.6 | 5.7 |
| 10 Bluenote | 6.0 | 6.3 | 6.4 | 5.7 | 5.7 | 5.3 |
| 11 SCKB1 | 6.0 | 6.9 | 5.5 | 5.9 | 5.7 | 5.0 |
| 12 A03-3606-8 | 6.0 | 6.7 | 5.6 | 6.1 | 5.6 | 5.0 |
| 13 NuDestiny | 6.0 | 7.1 | 5.4 | 5.9 | 5.5 | 4.0 |
| 14 Perfection | 6.0 | 6.9 | 5.5 | 6.0 | 5.6 | 4.3 |
| 15 Endurance | 6.0 | 6.2 | 5.7 | 6.2 | 5.8 | 5.3 |
| 16 Alexa II | 5.9 | 6.6 | 5.2 | 6.0 | 5.8 | 4.0 |
| 17 Prosperity | 5.9 | 6.0 | 5.8 | 5.9 | 5.8 | 6.0 |
| 18 NuGlade | 5.9 | 6.7 | 5.5 | 5.9 | 5.4 | 3.3 |
| 19 Ginney | 5.8 | 6.2 | 5.4 | 6.2 | 5.5 | 3.3 |
| 20 Pick 033 | 5.8 | 6.2 | 5.5 | 5.9 | 5.6 | 5.7 |
| 21 Bluechip Plus | 5.8 | 6.9 | 5.5 | 5.7 | 5.3 | 4.0 |
| 22 Beyond | 5.8 | 6.7 | 5.4 | 5.8 | 5.4 | 4.0 |
| 23 Sudden Impact | 5.8 | 6.4 | 5.2 | 6.2 | 5.4 | 3.7 |
| 24 Emblem | 5.8 | 6.5 | 5.4 | 5.7 | 5.6 | 4.7 |
| 25 NuChicago | 5.8 | 6.9 | 4.8 | 5.8 | 5.6 | 3.7 |
| 26 Bewitched | 5.8 | 5.7 | 5.5 | 6.3 | 5.6 | 4.0 |
| 27 PST-T10-17 | 5.8 | 6.8 | 5.4 | 5.4 | 5.4 | 4.7 |
| 28 Everest | 5.8 | 6.7 | 5.7 | 5.6 | 5.0 | 3.7 |
| 29 Quantum Leap | 5.7 | 6.8 | 5.4 | 5.7 | 5.0 | 3.7 |
| 30 Shiraz | 5.7 | 5.9 | 6.1 | 5.8 | 5.2 | 6.0 |
| 31 Arcadia | 5.7 | 6.3 | 5.3 | 5.8 | 5.5 | 3.7 |
| 32 A04-74 | 5.7 | 5.8 | 6.4 | 5.7 | 5.0 | 4.7 |
| 33 A05TB-386 | 5.7 | 7.0 | 5.7 | 5.3 | 4.9 | 5.7 |
| 34 A99-2328 | 5.7 | 6.7 | 5.4 | 5.6 | 5.1 | 4.7 |
| 35 PST-K9-93 | 5.7 | 6.8 | 6.2 | 5.5 | 4.2 | 6.0 |

(Continued)

Table 1. Kentucky bluegrass turf trial, 2010 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | | Spring Green-up ² 9 April 2014 |
|-----------------------|--------------------------------------|-----------|-----------|-----------|-----------|--|
| | 2011-2014 Avg. | 2011 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | |
| 36 RAD-138 | 5.7 | 6.8 | 5.0 | 5.7 | 5.2 | 4.7 |
| 37 A06-47 | 5.7 | 5.2 | 6.3 | 5.5 | 5.8 | 6.7 |
| 38 Hampton | 5.7 | 6.2 | 5.2 | 5.6 | 5.6 | 6.0 |
| 39 NuBlue | 5.6 | 6.5 | 5.3 | 5.5 | 5.2 | 4.0 |
| 40 Right | 5.6 | 6.4 | 5.0 | 5.4 | 5.8 | 4.3 |
| 41 Rush | 5.6 | 6.2 | 5.3 | 5.7 | 5.3 | 4.3 |
| 42 A04-46 | 5.6 | 6.5 | 5.3 | 5.6 | 5.1 | 4.0 |
| 43 PST-K9-90 | 5.6 | 6.0 | 5.6 | 5.5 | 5.4 | 4.3 |
| 44 Argos | 5.6 | 5.7 | 5.7 | 5.5 | 5.5 | 6.0 |
| 45 A03-37 | 5.6 | 5.7 | 5.6 | 5.5 | 5.6 | 7.7 |
| 46 A06-8 | 5.6 | 6.0 | 5.4 | 5.9 | 5.1 | 5.3 |
| 47 A99-2758 | 5.6 | 6.3 | 5.5 | 5.4 | 5.2 | 5.7 |
| 48 A05-361 | 5.6 | 6.1 | 5.6 | 5.3 | 5.2 | 5.7 |
| 49 NA 3713 | 5.6 | 6.7 | 4.9 | 5.3 | 5.2 | 4.7 |
| 50 A05-360 | 5.5 | 5.8 | 5.2 | 5.6 | 5.5 | 6.3 |
| 51 PST-K9-91 | 5.5 | 6.0 | 5.7 | 5.3 | 5.0 | 6.0 |
| 52 Ginney II | 5.5 | 5.6 | 5.2 | 5.9 | 5.3 | 4.0 |
| 53 SR 2284 | 5.5 | 5.6 | 5.5 | 5.4 | 5.5 | 6.3 |
| 54 A04-338 | 5.5 | 5.6 | 5.8 | 5.7 | 4.9 | 4.3 |
| 55 Legend | 5.5 | 6.0 | 5.2 | 6.0 | 4.7 | 4.7 |
| 56 A04-69 | 5.5 | 5.9 | 5.5 | 5.4 | 5.1 | 5.7 |
| 57 Noble | 5.4 | 5.8 | 5.5 | 5.7 | 4.8 | 4.0 |
| 58 Yankee | 5.4 | 6.1 | 4.8 | 5.3 | 5.6 | 5.7 |
| 59 A10-249 | 5.4 | 6.0 | 5.4 | 5.6 | 4.8 | 5.0 |
| 60 A10-246 | 5.4 | 5.5 | 5.5 | 5.5 | 5.1 | 5.3 |
| 61 Mystere | 5.4 | 5.9 | 5.1 | 5.6 | 5.0 | 5.7 |
| 62 A06-26 | 5.4 | 5.4 | 5.8 | 5.4 | 5.1 | 4.0 |
| 63 Rugby II | 5.4 | 5.8 | 5.2 | 5.7 | 4.8 | 4.0 |
| 64 Keeneland | 5.4 | 6.0 | 5.0 | 5.6 | 4.9 | 4.3 |
| 65 A10-245 | 5.4 | 6.0 | 5.7 | 5.2 | 4.7 | 5.0 |
| 66 A04TB-258 | 5.4 | 5.6 | 5.0 | 5.5 | 5.5 | 4.3 |
| 67 PST-T10-18 | 5.4 | 5.6 | 5.1 | 5.3 | 5.6 | 5.3 |
| 68 A05-324 | 5.4 | 5.2 | 6.1 | 5.1 | 5.2 | 5.0 |
| 69 AKB 449 | 5.4 | 6.1 | 4.9 | 5.5 | 5.1 | 5.3 |
| 70 A01-1106 | 5.4 | 5.6 | 4.4 | 6.0 | 5.5 | 5.3 |

(Continued)

Table 1. Kentucky bluegrass turf trial, 2010 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | | Spring Green-up ² 9 April 2014 |
|-----------------------|--------------------------------------|-----------|-----------|-----------|-----------|--|
| | 2011-2014 Avg. | 2011 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | |
| 71 A05-316 | 5.4 | 5.7 | 4.9 | 5.3 | 5.7 | 6.3 |
| 72 Arrowhead | 5.4 | 5.3 | 5.3 | 5.6 | 5.3 | 6.0 |
| 73 A04-66 | 5.4 | 5.4 | 5.2 | 5.5 | 5.4 | 5.7 |
| 74 A10-239 | 5.4 | 6.0 | 5.4 | 5.4 | 4.7 | 4.7 |
| 75 A99-345 | 5.4 | 5.4 | 5.5 | 5.4 | 5.1 | 5.0 |
| 76 A10-244 | 5.4 | 5.7 | 5.5 | 5.4 | 4.9 | 5.0 |
| 77 A99-2026 | 5.4 | 5.4 | 5.3 | 5.7 | 5.0 | 4.0 |
| 78 4-Season | 5.4 | 5.9 | 4.9 | 5.6 | 5.1 | 5.3 |
| 79 Gladstone | 5.4 | 6.3 | 4.7 | 5.3 | 5.2 | 5.0 |
| 80 A10-242 | 5.4 | 5.8 | 5.6 | 5.3 | 4.7 | 5.3 |
| 81 A98-363 | 5.4 | 6.0 | 5.4 | 5.2 | 4.8 | 5.3 |
| 82 STR 2485 | 5.3 | 5.7 | 5.1 | 5.3 | 5.3 | 5.7 |
| 83 A98-3320 | 5.3 | 5.5 | 5.5 | 5.4 | 4.9 | 5.3 |
| 84 PST-T10-20 | 5.3 | 5.9 | 5.2 | 4.8 | 5.2 | 6.3 |
| 85 A06-40 | 5.3 | 5.5 | 5.0 | 5.6 | 5.1 | 4.3 |
| 86 PST-T10-23 | 5.3 | 6.0 | 4.8 | 4.9 | 5.4 | 6.3 |
| 87 A98-708 | 5.3 | 6.4 | 5.2 | 4.9 | 4.7 | 4.7 |
| 88 Everglade | 5.3 | 6.0 | 4.6 | 5.6 | 4.9 | 4.0 |
| 89 A96-1338 | 5.3 | 5.5 | 5.0 | 5.2 | 5.4 | 6.3 |
| 90 NAA00-1254 | 5.3 | 6.0 | 4.3 | 5.3 | 5.5 | 5.0 |
| 91 PST-109-996 | 5.3 | 5.7 | 4.6 | 5.4 | 5.3 | 6.0 |
| 92 A09-230 | 5.3 | 4.9 | 5.5 | 5.5 | 5.1 | 6.0 |
| 93 A01-245 | 5.2 | 5.4 | 5.8 | 5.2 | 4.6 | 3.7 |
| 94 A04TB-212 | 5.2 | 5.9 | 5.2 | 5.1 | 4.7 | 5.0 |
| 95 A00-4199 | 5.2 | 5.4 | 5.2 | 5.2 | 5.1 | 5.0 |
| 96 Oasis | 5.2 | 6.0 | 5.5 | 5.0 | 4.4 | 5.0 |
| 97 P-105 | 5.2 | 5.8 | 5.1 | 5.0 | 5.0 | 4.0 |
| 98 PST-K10-110 | 5.2 | 5.4 | 5.3 | 5.1 | 5.0 | 4.7 |
| 99 PST-K7-28 | 5.2 | 5.5 | 5.0 | 5.2 | 5.0 | 4.7 |
| 100 A96-1353 | 5.2 | 5.5 | 5.2 | 5.5 | 4.6 | 4.7 |
| 101 SCKB4 | 5.2 | 6.0 | 4.5 | 5.4 | 4.9 | 5.0 |
| 102 A10-237 | 5.2 | 5.2 | 5.9 | 5.3 | 4.3 | 4.0 |
| 103 A99-2771 | 5.2 | 5.4 | 5.0 | 5.4 | 4.9 | 6.3 |
| 104 A10-238 | 5.2 | 5.5 | 5.3 | 5.2 | 4.7 | 5.0 |
| 105 PST-K10-111 | 5.2 | 5.6 | 5.6 | 5.1 | 4.4 | 5.0 |

(Continued)

Table 1. Kentucky bluegrass turf trial, 2010 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | | Spring Green-up ² 9 April 2014 |
|-----------------------|--------------------------------------|-----------|-----------|-----------|-----------|--|
| | 2011-2014 Avg. | 2011 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | |
| 106 TD 4 JP08 | 5.2 | 5.9 | 4.4 | 5.0 | 5.4 | 6.0 |
| 107 A10-247 | 5.2 | 5.2 | 4.7 | 5.6 | 5.1 | 5.0 |
| 108 Jumpstart | 5.2 | 6.0 | 4.3 | 4.8 | 5.4 | 6.3 |
| 109 Merlot | 5.2 | 5.1 | 5.3 | 5.3 | 4.9 | 4.7 |
| 110 A10-241 | 5.2 | 5.5 | 5.5 | 5.2 | 4.4 | 5.0 |
| 111 H99-1551 | 5.2 | 5.5 | 5.1 | 5.3 | 4.7 | 4.3 |
| 112 Moonshine | 5.1 | 5.3 | 4.5 | 5.3 | 5.5 | 6.7 |
| 113 A06-11 | 5.1 | 5.2 | 5.3 | 4.9 | 5.1 | 6.0 |
| 114 A94MH-94 | 5.1 | 5.6 | 4.7 | 5.1 | 5.3 | 4.7 |
| 115 PST-T10-21 | 5.1 | 5.8 | 4.3 | 5.2 | 5.2 | 6.3 |
| 116 Lunar | 5.1 | 6.2 | 5.0 | 4.8 | 4.5 | 5.7 |
| 117 Moonlight | 5.1 | 5.5 | 5.0 | 5.3 | 4.7 | 4.0 |
| 118 Alpine | 5.1 | 5.0 | 4.9 | 5.4 | 5.1 | 3.7 |
| 119 A99-3124 | 5.1 | 5.5 | 5.4 | 5.0 | 4.6 | 5.3 |
| 120 Gaelic | 5.1 | 5.1 | 4.8 | 5.1 | 5.4 | 6.0 |
| 121 Lakeshore | 5.1 | 5.2 | 5.1 | 5.0 | 5.1 | 6.0 |
| 122 Ridgeline | 5.1 | 5.3 | 5.1 | 5.3 | 4.7 | 4.7 |
| 123 A10-240 | 5.1 | 5.1 | 5.2 | 5.4 | 4.6 | 4.3 |
| 124 A10-248 | 5.1 | 5.3 | 5.4 | 5.2 | 4.5 | 4.3 |
| 125 PST-K10-107 | 5.1 | 6.1 | 4.6 | 4.8 | 4.8 | 5.3 |
| 126 PST-K7-24 | 5.1 | 5.8 | 5.1 | 4.9 | 4.4 | 5.0 |
| 127 A03TB-417 | 5.1 | 6.0 | 4.7 | 5.0 | 4.6 | 7.0 |
| 128 TD 2 JP08 | 5.1 | 5.8 | 4.9 | 4.7 | 4.9 | 6.0 |
| 129 PST-K10-106D | 5.1 | 5.9 | 4.3 | 4.8 | 5.2 | 7.0 |
| 130 A10-5 | 5.0 | 5.2 | 4.9 | 5.3 | 4.8 | 4.7 |
| 131 A99-523 | 5.0 | 4.9 | 5.3 | 5.3 | 4.7 | 4.0 |
| 132 A05-319 | 5.0 | 5.2 | 4.8 | 5.0 | 5.2 | 6.7 |
| 133 A03-38 | 5.0 | 5.3 | 4.7 | 5.2 | 4.9 | 6.7 |
| 134 Touche | 5.0 | 5.6 | 4.7 | 4.8 | 5.0 | 6.0 |
| 135 A06-19 | 5.0 | 5.6 | 4.5 | 5.4 | 4.6 | 4.7 |
| 136 Krypton | 5.0 | 5.8 | 5.1 | 4.7 | 4.6 | 5.0 |
| 137 TD 5 JP08 | 5.0 | 5.4 | 4.5 | 4.8 | 5.4 | 5.7 |
| 138 A05-201 | 5.0 | 5.2 | 4.8 | 4.9 | 5.2 | 6.0 |
| 139 A05-292 | 5.0 | 5.4 | 5.0 | 4.9 | 4.8 | 5.7 |
| 140 PSG 2677 | 5.0 | 5.0 | 4.8 | 5.0 | 5.3 | 6.0 |

(Continued)

Table 1. Kentucky bluegrass turf trial, 2010 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | | Spring Green-up ² 9 April 2014 |
|-----------------------|--------------------------------------|-----------|-----------|-----------|-----------|--|
| | 2011-2014 Avg. | 2011 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | |
| 141 H01-229 | 5.0 | 4.6 | 5.3 | 5.3 | 4.9 | 5.0 |
| 142 Sonoma | 5.0 | 5.3 | 5.0 | 4.9 | 4.8 | 5.7 |
| 143 PST-T10-22 | 5.0 | 5.7 | 4.1 | 4.9 | 5.2 | 6.7 |
| 144 TD 9 JP08 | 5.0 | 5.7 | 4.4 | 4.8 | 5.1 | 6.0 |
| 145 Bordeaux | 5.0 | 4.9 | 5.1 | 5.3 | 4.7 | 5.3 |
| 146 A05-853 | 5.0 | 5.2 | 4.9 | 4.7 | 5.1 | 5.7 |
| 147 A06-33 | 5.0 | 5.3 | 5.3 | 5.0 | 4.4 | 5.0 |
| 148 Rockstar | 5.0 | 5.5 | 4.5 | 4.8 | 5.1 | 6.7 |
| 149 RAD-130 | 5.0 | 5.7 | 4.6 | 4.9 | 4.7 | 5.0 |
| 150 A06-20 | 5.0 | 5.1 | 4.8 | 5.4 | 4.6 | 4.7 |
| 151 PST-K10-112 | 5.0 | 4.9 | 5.1 | 5.0 | 4.8 | 5.3 |
| 152 TD 7 JP08 | 5.0 | 5.3 | 4.0 | 5.1 | 5.5 | 6.0 |
| 153 RAD-889 | 5.0 | 4.8 | 5.0 | 4.8 | 5.2 | 6.3 |
| 154 A04-40 | 5.0 | 5.0 | 5.1 | 4.9 | 4.8 | 5.3 |
| 155 PST-K4-3 | 5.0 | 6.0 | 4.3 | 4.7 | 4.8 | 5.3 |
| 156 Starburst | 5.0 | 5.0 | 4.7 | 5.0 | 5.1 | 6.3 |
| 157 A06-60 | 5.0 | 4.8 | 5.1 | 5.1 | 4.8 | 5.0 |
| 158 A99-2231 | 4.9 | 5.0 | 5.2 | 5.0 | 4.5 | 4.0 |
| 159 A10-251 | 4.9 | 5.3 | 5.1 | 4.7 | 4.7 | 6.3 |
| 160 STR 2553 | 4.9 | 4.8 | 5.1 | 5.1 | 4.8 | 4.3 |
| 161 SCKB3 | 4.9 | 5.0 | 4.3 | 5.7 | 4.8 | 6.0 |
| 162 Shamrock | 4.9 | 5.2 | 4.3 | 4.8 | 5.4 | 6.0 |
| 163 Dauntless | 4.9 | 5.2 | 4.4 | 4.9 | 5.2 | 6.3 |
| 164 Bedazzled | 4.9 | 4.8 | 4.6 | 5.4 | 4.9 | 5.0 |
| 165 Limousine | 4.9 | 4.9 | 4.4 | 5.2 | 5.2 | 5.0 |
| 166 A06-7 | 4.9 | 4.8 | 4.8 | 5.0 | 5.0 | 5.3 |
| 167 SCKB2 | 4.9 | 5.2 | 4.3 | 5.1 | 5.0 | 5.7 |
| 168 Concerto | 4.9 | 5.2 | 4.8 | 4.6 | 5.1 | 6.0 |
| 169 Diva | 4.9 | 5.0 | 4.9 | 5.1 | 4.6 | 5.3 |
| 170 A98-210 | 4.9 | 4.6 | 5.2 | 5.2 | 4.6 | 6.3 |
| 171 A04-36 | 4.9 | 5.3 | 4.6 | 4.7 | 4.9 | 6.0 |
| 172 Blackberry | 4.9 | 4.9 | 4.9 | 5.0 | 4.8 | 5.3 |
| 173 A05-312 | 4.9 | 5.0 | 4.5 | 5.0 | 5.0 | 6.3 |
| 174 Volt | 4.9 | 5.1 | 4.2 | 5.3 | 4.9 | 6.7 |
| 175 Kingfisher | 4.9 | 5.1 | 4.8 | 4.9 | 4.7 | 5.3 |

(Continued)

Table 1. Kentucky bluegrass turf trial, 2010 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | | Spring Green-up ² 9 April 2014 |
|-----------------------|--------------------------------------|-----------|-----------|-----------|-----------|--|
| | 2011-2014 Avg. | 2011 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | |
| 176 Bonaire | 4.9 | 4.9 | 4.7 | 4.9 | 5.0 | 5.7 |
| 177 H99-1653 | 4.9 | 5.3 | 4.7 | 4.6 | 4.9 | 5.7 |
| 178 Blue Ghost | 4.9 | 4.4 | 4.7 | 4.8 | 5.5 | 6.7 |
| 179 PST-K8-81NO | 4.9 | 4.0 | 5.2 | 4.9 | 5.2 | 4.7 |
| 180 A05-303 | 4.9 | 5.4 | 5.0 | 4.5 | 4.5 | 5.0 |
| 181 PST-104-208 | 4.8 | 5.3 | 4.7 | 4.7 | 4.7 | 5.3 |
| 182 STR 2278 | 4.8 | 4.8 | 4.8 | 5.1 | 4.6 | 4.3 |
| 183 A08-3 | 4.8 | 5.4 | 4.8 | 4.9 | 4.2 | 5.0 |
| 184 STR 2509 | 4.8 | 5.0 | 5.0 | 4.7 | 4.7 | 4.3 |
| 185 H01-351 | 4.8 | 4.9 | 4.9 | 4.6 | 4.8 | 4.0 |
| 186 A06-34 | 4.8 | 4.6 | 4.9 | 5.2 | 4.5 | 4.3 |
| 187 Fielder | 4.8 | 5.0 | 4.4 | 4.7 | 5.0 | 5.7 |
| 188 A07-1233 | 4.8 | 5.3 | 4.8 | 4.9 | 4.1 | 3.7 |
| 189 Royce | 4.8 | 4.6 | 5.0 | 4.9 | 4.6 | 4.0 |
| 190 A00-247 | 4.8 | 4.7 | 5.1 | 4.8 | 4.5 | 4.3 |
| 191 A10-252 | 4.8 | 5.2 | 4.9 | 5.0 | 4.0 | 5.3 |
| 192 Blueberry | 4.8 | 4.9 | 5.1 | 4.9 | 4.3 | 5.0 |
| 193 RAD-66 | 4.8 | 5.7 | 4.8 | 4.5 | 4.1 | 5.7 |
| 194 A99-3110 | 4.8 | 5.7 | 4.8 | 4.7 | 4.0 | 4.7 |
| 195 A98-3369 | 4.8 | 5.2 | 3.9 | 5.3 | 4.7 | 3.7 |
| 196 A09-232 | 4.8 | 5.3 | 4.5 | 4.9 | 4.3 | 4.3 |
| 197 PST-07S-95 | 4.8 | 5.6 | 4.5 | 4.7 | 4.2 | 5.0 |
| 198 PST-A07-393 | 4.8 | 4.8 | 4.7 | 5.0 | 4.6 | 5.0 |
| 199 RAD-858 | 4.8 | 4.7 | 4.9 | 4.8 | 4.6 | 5.7 |
| 200 A04-38 | 4.8 | 5.2 | 4.0 | 4.8 | 5.0 | 5.7 |
| 201 A05TB-275 | 4.7 | 4.9 | 5.1 | 4.2 | 4.6 | 7.3 |
| 202 A07-5 | 4.7 | 5.0 | 5.1 | 4.7 | 4.1 | 5.0 |
| 203 PST-K9-101 | 4.7 | 5.1 | 4.5 | 4.8 | 4.5 | 4.7 |
| 204 PST-T7-7 | 4.7 | 5.2 | 4.7 | 4.5 | 4.5 | 4.0 |
| 205 A06-3 | 4.7 | 4.4 | 5.0 | 4.9 | 4.6 | 5.3 |
| 206 STR 2451 | 4.7 | 4.3 | 4.9 | 4.9 | 4.7 | 4.0 |
| 207 RAD-121 | 4.7 | 4.9 | 4.6 | 4.8 | 4.5 | 6.3 |
| 208 PST-K8-80NL | 4.7 | 4.5 | 4.1 | 5.0 | 5.1 | 5.0 |
| 209 Monte Carlo | 4.7 | 5.0 | 4.4 | 5.2 | 4.2 | 4.0 |
| 210 A10-280 | 4.7 | 5.8 | 4.6 | 4.6 | 3.8 | 5.7 |

(Continued)

Table 1. Kentucky bluegrass turf trial, 2010 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | | Spring Green-up ² 9 April 2014 |
|-----------------------|--------------------------------------|-----------|-----------|-----------|-----------|--|
| | 2011-2014 Avg. | 2011 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | |
| 211 PST-K9-89 | 4.7 | 5.1 | 4.3 | 4.7 | 4.7 | 5.3 |
| 212 Zinfandel | 4.7 | 4.7 | 4.8 | 5.0 | 4.2 | 5.0 |
| 213 A04-35 | 4.7 | 5.1 | 3.9 | 4.8 | 4.9 | 5.7 |
| 214 A96-468 | 4.7 | 4.7 | 4.7 | 5.0 | 4.4 | 5.7 |
| 215 A05-825 | 4.7 | 5.1 | 4.4 | 4.8 | 4.4 | 7.0 |
| 216 A06-4 | 4.7 | 4.7 | 4.3 | 5.3 | 4.3 | 5.0 |
| 217 Brooklawn | 4.7 | 5.0 | 4.0 | 4.8 | 4.8 | 6.0 |
| 218 A05-999 | 4.7 | 5.1 | 4.1 | 4.7 | 4.7 | 6.3 |
| 219 PST-K9-100 | 4.6 | 5.4 | 4.5 | 4.4 | 4.3 | 5.0 |
| 220 Champagne | 4.6 | 4.8 | 4.2 | 4.7 | 4.8 | 6.0 |
| 221 Bandera | 4.6 | 4.6 | 4.8 | 4.9 | 4.2 | 4.3 |
| 222 A05-342 | 4.6 | 4.7 | 4.5 | 4.8 | 4.4 | 5.3 |
| 223 SR 2109 | 4.6 | 5.2 | 4.2 | 4.4 | 4.7 | 4.0 |
| 224 STR 2553 | 4.6 | 4.5 | 5.0 | 4.7 | 4.3 | 3.7 |
| 225 PST-101-362 | 4.6 | 4.6 | 4.2 | 4.8 | 4.8 | 4.7 |
| 226 America | 4.6 | 4.7 | 4.7 | 4.7 | 4.3 | 4.7 |
| 227 PST-T10-27 | 4.6 | 4.2 | 4.9 | 5.1 | 4.3 | 5.3 |
| 228 A06-14 | 4.6 | 4.5 | 4.3 | 5.2 | 4.3 | 5.0 |
| 229 RAD-7PH6 | 4.6 | 5.1 | 4.4 | 4.4 | 4.4 | 6.0 |
| 230 PST-K7-29 | 4.6 | 5.0 | 4.0 | 4.9 | 4.4 | 4.7 |
| 231 STR 2332 | 4.6 | 4.0 | 4.8 | 4.8 | 4.7 | 4.3 |
| 232 A08-2 | 4.6 | 4.9 | 4.6 | 4.6 | 4.1 | 5.3 |
| 233 A09-231 | 4.6 | 4.3 | 4.6 | 4.8 | 4.6 | 5.7 |
| 234 5-09 KB | 4.6 | 4.8 | 3.9 | 4.8 | 4.8 | 5.0 |
| 235 Rubicon | 4.6 | 4.5 | 4.3 | 4.7 | 4.8 | 7.3 |
| 236 Touchdown | 4.6 | 4.8 | 4.0 | 4.8 | 4.6 | 6.3 |
| 237 #3725 | 4.6 | 5.3 | 4.6 | 4.5 | 3.8 | 4.3 |
| 238 Voyager II | 4.5 | 4.2 | 4.5 | 5.0 | 4.5 | 4.7 |
| 239 A04-1271 | 4.5 | 5.2 | 4.2 | 4.5 | 4.2 | 4.0 |
| 240 RAD-70 | 4.5 | 5.5 | 4.1 | 4.3 | 4.0 | 5.7 |
| 241 A01-938 | 4.5 | 4.8 | 4.1 | 4.6 | 4.5 | 5.7 |
| 242 PST-K10-115D | 4.5 | 5.0 | 4.5 | 4.2 | 4.2 | 6.3 |
| 243 A05-322 | 4.5 | 4.5 | 4.8 | 4.6 | 4.1 | 4.0 |
| 244 Ulysses | 4.5 | 4.5 | 4.0 | 4.5 | 4.9 | 6.7 |
| 245 Armada | 4.5 | 5.0 | 4.1 | 4.8 | 4.0 | 5.0 |

(Continued)

Table 1. Kentucky bluegrass turf trial, 2010 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | | Spring Green-up ² 9 April 2014 |
|-----------------------|--------------------------------------|-----------|-----------|-----------|-----------|--|
| | 2011-2014 Avg. | 2011 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | |
| 246 Aviator | 4.5 | 5.4 | 3.7 | 4.5 | 4.3 | 4.3 |
| 247 A06-1033 | 4.5 | 5.0 | 4.3 | 4.6 | 3.9 | 5.3 |
| 248 Abbey | 4.4 | 4.9 | 4.0 | 4.7 | 4.1 | 5.0 |
| 249 A04-1315 | 4.4 | 5.3 | 3.4 | 4.5 | 4.6 | 4.7 |
| 250 PST-K9-99 | 4.4 | 5.1 | 3.4 | 4.7 | 4.4 | 4.7 |
| 251 RAD-955 | 4.4 | 3.4 | 4.8 | 5.1 | 4.4 | 3.3 |
| 252 A98-1001 | 4.4 | 4.7 | 4.2 | 4.6 | 4.1 | 3.7 |
| 253 A10-4 | 4.4 | 4.5 | 4.6 | 4.5 | 3.9 | 5.7 |
| 254 A05-344 | 4.4 | 4.4 | 4.7 | 4.5 | 4.0 | 5.0 |
| 255 SR 2100 | 4.4 | 4.2 | 4.2 | 4.7 | 4.3 | 4.7 |
| 256 A04-387 | 4.4 | 4.2 | 4.5 | 4.4 | 4.3 | 4.3 |
| 257 RAD-502 | 4.4 | 5.0 | 3.7 | 4.5 | 4.2 | 4.3 |
| 258 A05-858 | 4.3 | 5.4 | 4.0 | 4.3 | 3.7 | 6.3 |
| 259 PST-T10-28 NO | 4.3 | 4.5 | 4.3 | 4.2 | 4.3 | 8.3 |
| 260 RAD-KCC4L | 4.3 | 5.2 | 4.2 | 4.2 | 3.6 | 4.3 |
| 261 A05-930 | 4.3 | 4.7 | 4.1 | 3.8 | 4.6 | 6.0 |
| 262 A08-377 | 4.3 | 5.1 | 3.0 | 4.8 | 4.2 | 4.3 |
| 263 A10-2 | 4.3 | 4.4 | 4.1 | 4.7 | 3.9 | 5.0 |
| 264 A10-3 | 4.3 | 4.7 | 4.1 | 4.3 | 4.0 | 4.3 |
| 265 Guinness | 4.3 | 4.0 | 4.0 | 4.7 | 4.4 | 6.0 |
| 266 A07-377 | 4.3 | 4.7 | 3.6 | 4.5 | 4.3 | 4.7 |
| 267 H01-492 | 4.3 | 4.3 | 4.2 | 4.5 | 4.1 | 8.3 |
| 268 PST-T10-25 | 4.3 | 4.8 | 4.3 | 4.0 | 3.9 | 5.0 |
| 269 PST-K10-109S | 4.2 | 4.0 | 4.2 | 4.4 | 4.4 | 5.0 |
| 270 PST-K8-76NO | 4.2 | 4.7 | 3.8 | 4.5 | 4.0 | 4.0 |
| 271 Milgro | 4.2 | 4.5 | 4.0 | 4.0 | 4.3 | 4.7 |
| 272 PST-1G4-66 | 4.2 | 4.4 | 3.5 | 4.7 | 4.2 | 5.3 |
| 273 MP07 | 4.2 | 5.0 | 3.9 | 3.8 | 4.1 | 6.3 |
| 274 A05-330 | 4.2 | 4.6 | 3.9 | 4.5 | 3.6 | 5.3 |
| 275 PST-T9-16 | 4.2 | 4.1 | 3.7 | 4.6 | 4.3 | 5.3 |
| 276 A04-1400 | 4.2 | 4.7 | 3.7 | 4.4 | 3.8 | 3.0 |
| 277 Cheetah | 4.1 | 4.8 | 3.4 | 4.2 | 4.2 | 5.3 |
| 278 Mallard | 4.1 | 4.6 | 3.5 | 4.3 | 4.0 | 5.0 |
| 279 A04-1569 | 4.1 | 4.6 | 3.7 | 4.2 | 3.9 | 4.7 |
| 280 Orfeo | 4.1 | 4.2 | 3.7 | 4.3 | 4.2 | 4.3 |

(Continued)

Table 1. Kentucky bluegrass turf trial, 2010 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | | Spring Green-up ² 9 April 2014 |
|-----------------------|--------------------------------------|-----------|-----------|-----------|-----------|--|
| | 2011-2014 Avg. | 2011 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | |
| 281 RAD-941 | 4.0 | 3.8 | 4.2 | 4.1 | 4.1 | 6.0 |
| 282 RSP | 4.0 | 4.8 | 3.7 | 3.9 | 3.7 | 7.7 |
| 283 A99-320 | 4.0 | 4.6 | 3.8 | 3.8 | 3.9 | 6.3 |
| 284 RAD-YOS128 | 4.0 | 4.1 | 3.9 | 4.1 | 4.0 | 6.7 |
| 285 A03-6 | 3.9 | 4.7 | 3.5 | 3.7 | 3.7 | 7.0 |
| 286 STR 23064 | 3.9 | 2.9 | 3.8 | 4.6 | 4.3 | 4.7 |
| 287 A04-1377 | 3.9 | 4.1 | 3.7 | 4.2 | 3.6 | 5.0 |
| 288 TD 08-4 | 3.8 | 3.6 | 3.7 | 3.9 | 4.1 | 5.7 |
| 289 Corsair | 3.8 | 4.6 | 3.0 | 3.9 | 3.7 | 5.3 |
| 290 Spitfire | 3.8 | 3.3 | 3.6 | 4.2 | 3.9 | 5.0 |
| 291 NA 3733 | 3.8 | 3.5 | 3.5 | 4.1 | 3.9 | 4.3 |
| 292 A08-338 | 3.8 | 4.3 | 3.0 | 4.0 | 3.8 | 5.3 |
| 293 RAD-51 | 3.6 | 3.4 | 3.1 | 4.0 | 4.0 | 4.7 |
| 294 RAD-902 | 3.5 | 3.3 | 3.6 | 3.8 | 3.1 | 4.3 |
| 295 Boutique | 3.1 | 1.1 | 2.9 | 4.2 | 4.0 | 4.7 |
| 296 Action | 2.5 | 2.2 | 1.8 | 3.1 | 3.1 | 6.3 |
| 297 Camas | 2.4 | 2.3 | 1.7 | 2.6 | 2.9 | 7.0 |
| LSD at 5% = | 0.6 | 0.8 | 0.8 | 0.7 | 0.7 | 1.0 |

¹9 = best turf quality

²9 = best spring green-up

Table 2. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2011 at Adelphia, NJ.

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | Spring Green-up ² 8 April 2014 | Stemmi- ness ³ 23 May 2014 |
|-----------------------|--------------------------------------|--------------|--------------|--------------|---|--|
| | 2012- 2014 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | | |
| 1 Everest | 6.1 | 6.9 | 5.6 | 6.0 | 3.7 | 8.0 |
| 2 Perfection | 6.1 | 6.2 | 5.9 | 6.1 | 3.3 | 8.3 |
| 3 A05TB-386 | 6.0 | 6.4 | 6.0 | 5.6 | 5.0 | 8.3 |
| 4 Beyond | 6.0 | 6.4 | 5.5 | 6.0 | 3.7 | 8.3 |
| 5 A11-26 | 6.0 | 5.8 | 5.7 | 6.4 | 4.3 | 7.7 |
| 6 Quantum Leap | 6.0 | 6.7 | 5.3 | 5.9 | 2.3 | 8.3 |
| 7 PST-K11-123 | 5.9 | 5.5 | 5.9 | 6.3 | 5.0 | 8.3 |
| 8 A06-46 | 5.9 | 6.2 | 5.2 | 6.3 | 6.7 | 8.3 |
| 9 RAD-138 | 5.9 | 6.0 | 5.9 | 5.8 | 5.7 | 8.0 |
| 10 Solar Eclipse | 5.9 | 6.3 | 5.4 | 6.0 | 3.7 | 7.3 |
| 11 Award | 5.8 | 6.1 | 5.4 | 6.0 | 2.7 | 8.0 |
| 12 A04-340 | 5.8 | 6.0 | 5.7 | 5.8 | 3.3 | 6.7 |
| 13 A06-1053 | 5.8 | 6.6 | 5.4 | 5.5 | 3.0 | 8.0 |
| 14 A11-31 | 5.8 | 5.9 | 6.0 | 5.5 | 2.7 | 8.3 |
| 15 Freedom III | 5.8 | 6.6 | 5.3 | 5.5 | 3.0 | 7.7 |
| 16 NuBlue Plus | 5.8 | 6.4 | 5.1 | 5.9 | 2.3 | 8.0 |
| 17 Shiraz | 5.8 | 5.9 | 5.8 | 5.6 | 6.0 | 6.3 |
| 18 Sudden Impact | 5.8 | 5.8 | 5.3 | 6.1 | 3.3 | 7.3 |
| 19 A04-69 | 5.8 | 5.9 | 5.1 | 6.2 | 5.3 | 8.7 |
| 20 Liberator | 5.7 | 6.2 | 5.2 | 5.8 | 3.3 | 7.3 |
| 21 NuDestiny | 5.7 | 6.4 | 5.2 | 5.6 | 2.7 | 8.0 |
| 22 A05-295 | 5.7 | 5.9 | 5.3 | 6.0 | 6.0 | 8.0 |
| 23 A11-40 | 5.7 | 5.6 | 5.6 | 6.0 | 6.0 | 8.7 |
| 24 Alexa II | 5.7 | 6.1 | 5.1 | 6.0 | 1.7 | 8.0 |
| 25 PST-K11-126 | 5.7 | 5.3 | 6.1 | 5.8 | 3.0 | 9.0 |
| 26 PST-102-45 | 5.7 | 5.8 | 5.5 | 5.8 | 4.0 | 4.3 |
| 27 Blue Note | 5.7 | 5.7 | 5.9 | 5.4 | 5.7 | 8.3 |
| 28 Rush | 5.6 | 6.0 | 5.2 | 5.8 | 3.3 | 8.0 |
| 29 A11-47 | 5.6 | 5.9 | 5.5 | 5.5 | 4.0 | 9.0 |
| 30 NuChicago | 5.6 | 6.0 | 4.9 | 5.9 | 2.7 | 8.3 |
| 31 A99-2758 | 5.6 | 6.0 | 5.3 | 5.6 | 5.0 | 8.3 |
| 32 Everglade | 5.6 | 6.0 | 5.5 | 5.4 | 3.3 | 6.3 |
| 33 A06-11 | 5.6 | 5.6 | 5.6 | 5.7 | 6.0 | 6.3 |
| 34 PST-T10-17 | 5.6 | 5.5 | 5.3 | 6.1 | 3.7 | 8.3 |
| 35 A11-41 | 5.6 | 5.2 | 5.8 | 5.8 | 5.0 | 7.7 |

(Continued)

Table 2. Kentucky bluegrass turf trial, 2011 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | Spring Green-up ² 8 April 2014 | Stemmi- ness ³ 23 May 2014 |
|-----------------------|--------------------------------------|--------------|--------------|--------------|---|--|
| | 2012- 2014 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | | |
| 36 A06-2 | 5.6 | 5.5 | 5.8 | 5.5 | 4.0 | 5.7 |
| 37 A05-361 | 5.6 | 5.5 | 5.8 | 5.5 | 5.3 | 7.3 |
| 38 H01-697 | 5.6 | 5.7 | 5.7 | 5.4 | 5.0 | 7.0 |
| 39 A94-677 | 5.6 | 5.6 | 5.6 | 5.5 | 4.3 | 5.3 |
| 40 Diva | 5.6 | 5.9 | 5.2 | 5.7 | 5.3 | 7.0 |
| 41 3713 | 5.6 | 6.0 | 5.1 | 5.6 | 4.7 | 7.7 |
| 42 Right | 5.6 | 6.0 | 4.8 | 5.9 | 4.0 | 6.3 |
| 43 A06-8 | 5.6 | 5.3 | 5.3 | 6.0 | 6.3 | 6.0 |
| 44 Moonlight SLT | 5.5 | 6.4 | 4.7 | 5.6 | 4.0 | 2.3 |
| 45 Bluechip | 5.5 | 6.1 | 5.0 | 5.5 | 3.7 | 8.3 |
| 46 PST-K11-122 | 5.5 | 5.2 | 5.6 | 5.8 | 6.7 | 4.7 |
| 47 A04-46 | 5.5 | 5.4 | 5.3 | 5.8 | 2.3 | 4.7 |
| 48 A04-36 | 5.5 | 5.1 | 5.8 | 5.6 | 6.0 | 7.0 |
| 49 A11-48 | 5.5 | 6.1 | 4.8 | 5.5 | 5.3 | 8.3 |
| 50 A96-425 | 5.5 | 5.3 | 5.4 | 5.8 | 5.7 | 6.7 |
| 51 A09-305 | 5.5 | 5.9 | 4.9 | 5.7 | 4.0 | 4.0 |
| 52 Odyssey | 5.5 | 6.3 | 4.9 | 5.3 | 3.3 | 8.3 |
| 53 A04-74 | 5.5 | 5.5 | 5.7 | 5.2 | 3.3 | 4.3 |
| 54 Ginney II | 5.5 | 6.0 | 4.7 | 5.6 | 3.0 | 8.0 |
| 55 Bluenote | 5.5 | 5.6 | 5.5 | 5.3 | 5.7 | 7.7 |
| 56 PST-K10-107 | 5.4 | 5.7 | 5.3 | 5.3 | 4.7 | 7.7 |
| 57 Arcadia | 5.4 | 6.3 | 4.8 | 5.2 | 3.3 | 7.3 |
| 58 Keeneland | 5.4 | 5.4 | 5.5 | 5.3 | 4.7 | 6.7 |
| 59 Awesome | 5.4 | 5.6 | 5.1 | 5.5 | 3.3 | 7.7 |
| 60 A11-53 | 5.4 | 5.7 | 5.1 | 5.4 | 3.3 | 4.7 |
| 61 A06-26 | 5.4 | 5.0 | 5.6 | 5.4 | 4.3 | 6.3 |
| 62 Bewitched | 5.4 | 5.3 | 5.1 | 5.6 | 1.7 | 6.0 |
| 63 A98-3320 | 5.3 | 4.9 | 5.1 | 6.0 | 5.3 | 7.3 |
| 64 A04-66 | 5.3 | 5.5 | 5.3 | 5.3 | 5.3 | 8.3 |
| 65 PST-K11-127G | 5.3 | 5.6 | 5.0 | 5.4 | 4.0 | 4.3 |
| 66 PST-K10-111 | 5.3 | 5.5 | 5.4 | 5.2 | 4.3 | 7.7 |
| 67 A98-879 | 5.3 | 5.0 | 5.4 | 5.6 | 6.0 | 7.3 |
| 68 A98-363 | 5.3 | 5.2 | 5.7 | 5.1 | 5.3 | 6.7 |
| 69 A11-71 | 5.3 | 5.7 | 4.9 | 5.4 | 5.3 | 7.7 |
| 70 PST-T10-20 | 5.3 | 5.8 | 4.6 | 5.6 | 5.7 | 8.7 |

(Continued)

Table 2. Kentucky bluegrass turf trial, 2011 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | Spring Green-up ² 8 April 2014 | Stemmi- ness ³ 23 May 2014 |
|-----------------------|--------------------------------------|--------------|--------------|--------------|---|--|
| | 2012- 2014 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | | |
| 71 Zinfandel | 5.3 | 5.7 | 5.1 | 5.1 | 4.7 | 6.7 |
| 72 A06-33 | 5.3 | 5.3 | 5.5 | 5.1 | 5.7 | 5.7 |
| 73 A10-249 | 5.3 | 5.2 | 5.4 | 5.3 | 5.0 | 6.0 |
| 74 A00-4199 | 5.3 | 5.4 | 5.2 | 5.3 | 3.7 | 5.3 |
| 75 H99-1653 | 5.3 | 5.5 | 4.7 | 5.6 | 6.3 | 9.0 |
| 76 TD-5 JP08 | 5.3 | 5.5 | 4.9 | 5.5 | 5.7 | 7.7 |
| 77 Oasis | 5.3 | 5.1 | 5.7 | 5.0 | 5.7 | 4.3 |
| 78 STR 2451 | 5.3 | 5.6 | 5.2 | 5.1 | 3.0 | 2.7 |
| 79 A11-52 | 5.3 | 5.3 | 4.9 | 5.6 | 2.0 | 5.0 |
| 80 Babe | 5.3 | 5.1 | 5.1 | 5.5 | 5.3 | 6.3 |
| 81 A05-360 | 5.3 | 4.9 | 5.3 | 5.6 | 6.0 | 8.7 |
| 82 A11-49 | 5.2 | 5.2 | 4.8 | 5.7 | 2.3 | 5.0 |
| 83 A06-28 | 5.2 | 5.2 | 4.9 | 5.6 | 4.3 | 3.3 |
| 84 A01-1106 | 5.2 | 5.3 | 4.5 | 5.9 | 4.3 | 8.7 |
| 85 P-105 | 5.2 | 5.3 | 4.9 | 5.5 | 2.3 | 4.3 |
| 86 Touche | 5.2 | 5.6 | 4.6 | 5.5 | 5.7 | 8.7 |
| 87 Emblem | 5.2 | 5.2 | 5.0 | 5.5 | 2.3 | 7.0 |
| 88 A00-1400 | 5.2 | 5.5 | 5.3 | 4.8 | 4.3 | 7.3 |
| 89 H98-767 | 5.2 | 5.6 | 5.0 | 5.1 | 3.0 | 3.0 |
| 90 RAD-1776 | 5.2 | 4.8 | 5.2 | 5.5 | 6.7 | 7.7 |
| 91 A04-1272 | 5.2 | 5.3 | 4.5 | 5.7 | 3.7 | 4.0 |
| 92 PST-07S-176 | 5.2 | 4.9 | 4.6 | 6.1 | 5.0 | 8.3 |
| 93 A04-32 | 5.2 | 5.3 | 5.3 | 5.0 | 6.0 | 4.0 |
| 94 Zinger | 5.2 | 5.0 | 5.0 | 5.6 | 5.3 | 6.3 |
| 95 PST-K7-39 | 5.2 | 5.7 | 4.8 | 5.0 | 4.0 | 6.0 |
| 96 A11-32 | 5.2 | 4.7 | 5.4 | 5.5 | 7.3 | 8.0 |
| 97 A04-1381 | 5.2 | 5.2 | 5.3 | 5.0 | 3.7 | 7.3 |
| 98 SR 2284 | 5.2 | 5.2 | 4.8 | 5.5 | 4.7 | 3.3 |
| 99 PST-K11-118 | 5.2 | 5.4 | 5.1 | 4.9 | 4.7 | 4.7 |
| 100 A11-34 | 5.1 | 5.2 | 5.1 | 5.2 | 5.7 | 6.7 |
| 101 PST-K10-110 | 5.1 | 5.5 | 4.9 | 5.0 | 4.7 | 6.0 |
| 102 A11-37 | 5.1 | 4.7 | 5.4 | 5.3 | 5.7 | 7.7 |
| 103 AKB707 | 5.1 | 5.4 | 5.1 | 4.9 | 4.3 | 4.7 |
| 104 A10-252 | 5.1 | 4.9 | 5.2 | 5.3 | 5.0 | 5.7 |
| 105 RAD-845 | 5.1 | 5.0 | 4.9 | 5.5 | 6.0 | 7.0 |

(Continued)

Table 2. Kentucky bluegrass turf trial, 2011 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | Spring Green-up ² 8 April 2014 | Stemmi- ness ³ 23 May 2014 |
|-----------------------|--------------------------------------|--------------|--------------|--------------|---|--|
| | 2012- 2014 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | | |
| 106 Mystere | 5.1 | 4.8 | 5.1 | 5.5 | 5.0 | 8.0 |
| 107 Krypton | 5.1 | 5.4 | 5.0 | 4.9 | 4.7 | 5.0 |
| 108 A11-28 | 5.1 | 4.9 | 5.2 | 5.2 | 5.7 | 6.7 |
| 109 Dauntless | 5.1 | 4.8 | 5.3 | 5.2 | 6.0 | 7.3 |
| 110 Fullback | 5.1 | 5.7 | 4.8 | 4.9 | 4.7 | 5.3 |
| 111 PST-K10-112 | 5.1 | 5.3 | 5.0 | 5.0 | 5.3 | 7.7 |
| 112 Avid | 5.1 | 5.2 | 5.1 | 5.0 | 2.3 | 6.3 |
| 113 A04-40 | 5.1 | 5.0 | 5.4 | 4.8 | 5.3 | 7.3 |
| 114 Merlot | 5.1 | 5.7 | 5.3 | 4.4 | 5.0 | 5.3 |
| 115 PST-K9-104 | 5.1 | 4.4 | 5.2 | 5.7 | 3.3 | 7.0 |
| 116 Prosperity | 5.1 | 5.4 | 4.9 | 5.0 | 3.0 | 5.7 |
| 117 A06-40 | 5.1 | 5.4 | 5.0 | 4.8 | 3.7 | 5.3 |
| 118 Juliet | 5.1 | 5.7 | 4.5 | 5.1 | 5.7 | 8.7 |
| 119 Alpine | 5.1 | 5.2 | 4.9 | 5.2 | 2.0 | 6.3 |
| 120 Rugby II | 5.1 | 5.3 | 4.9 | 5.0 | 3.3 | 7.3 |
| 121 A99-447 | 5.1 | 5.5 | 4.9 | 4.8 | 3.3 | 6.7 |
| 122 A04-38 | 5.1 | 4.6 | 5.3 | 5.4 | 4.7 | 5.3 |
| 123 H01-938 | 5.1 | 5.5 | 4.5 | 5.3 | 4.7 | 9.0 |
| 124 AKB1820 | 5.1 | 5.1 | 5.2 | 4.9 | 3.3 | 4.0 |
| 125 A99-2897 | 5.1 | 5.5 | 4.7 | 5.0 | 6.0 | 5.7 |
| 126 A05-351 | 5.1 | 5.0 | 4.8 | 5.4 | 2.3 | 5.0 |
| 127 4-Season | 5.1 | 4.8 | 5.0 | 5.4 | 4.3 | 5.0 |
| 128 A03-37 | 5.1 | 5.0 | 5.0 | 5.2 | 6.3 | 7.7 |
| 129 PST-T10-23 | 5.1 | 5.0 | 4.5 | 5.6 | 6.3 | 9.0 |
| 130 A08-34 | 5.0 | 5.1 | 5.1 | 4.9 | 3.0 | 3.7 |
| 131 A98-1001 | 5.0 | 5.3 | 5.0 | 4.8 | 3.7 | 5.0 |
| 132 PST-109-996 | 5.0 | 4.9 | 5.0 | 5.3 | 5.3 | 7.3 |
| 133 Ridgeline | 5.0 | 4.6 | 5.2 | 5.3 | 4.0 | 4.0 |
| 134 Empire | 5.0 | 5.2 | 5.0 | 5.0 | 4.7 | 6.3 |
| 135 Longhorn | 5.0 | 5.4 | 4.5 | 5.1 | 6.0 | 7.3 |
| 136 A11-42 | 5.0 | 4.4 | 5.2 | 5.5 | 6.0 | 6.3 |
| 137 PST-102-983 | 5.0 | 4.8 | 5.2 | 5.0 | 3.7 | 4.7 |
| 138 PST-K11-119 Sw | 5.0 | 5.1 | 4.5 | 5.4 | 7.3 | 8.3 |
| 139 A05-342 | 5.0 | 5.3 | 4.7 | 5.0 | 5.0 | 4.7 |
| 140 A11-39 | 5.0 | 4.7 | 5.2 | 5.0 | 4.7 | 5.3 |

(Continued)

Table 2. Kentucky bluegrass turf trial, 2011 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | Spring Green-up ² 8 April 2014 | Stemmi- ness ³ 23 May 2014 |
|-----------------------|--------------------------------------|--------------|--------------|--------------|---|--|
| | 2012- 2014 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | | |
| 141 A11-43 | 5.0 | 4.8 | 5.0 | 5.1 | 5.7 | 6.3 |
| 142 A11-36 | 5.0 | 4.8 | 4.9 | 5.2 | 5.7 | 5.7 |
| 143 A04-35 | 5.0 | 4.3 | 5.3 | 5.3 | 5.7 | 7.0 |
| 144 A05-925 | 5.0 | 5.0 | 4.6 | 5.3 | 4.3 | 6.3 |
| 145 A05-310 | 4.9 | 4.6 | 5.0 | 5.2 | 5.0 | 7.0 |
| 146 RAD-121 | 4.9 | 4.5 | 5.1 | 5.2 | 5.7 | 8.3 |
| 147 PST-T10-22-BS | 4.9 | 5.0 | 4.7 | 5.1 | 6.0 | 8.3 |
| 148 PST-K9-96 | 4.9 | 4.9 | 5.1 | 4.8 | 4.7 | 8.3 |
| 149 PST-K11-121 | 4.9 | 4.6 | 5.3 | 4.8 | 4.0 | 8.3 |
| 150 PST-K8-77NO | 4.9 | 4.5 | 4.7 | 5.5 | 4.0 | 3.0 |
| 151 Champagne | 4.9 | 4.7 | 4.7 | 5.2 | 5.3 | 5.7 |
| 152 Bedazzled | 4.9 | 4.9 | 4.9 | 4.9 | 3.3 | 4.7 |
| 153 A05-853 | 4.9 | 4.8 | 4.5 | 5.3 | 4.7 | 7.3 |
| 154 A04-338 | 4.9 | 5.2 | 4.8 | 4.6 | 4.0 | 5.0 |
| 155 A05-847 | 4.9 | 5.5 | 4.2 | 4.9 | 5.3 | 8.3 |
| 156 A00-1002 | 4.9 | 5.0 | 4.6 | 5.1 | 4.7 | 5.3 |
| 157 A04-1569 | 4.9 | 5.6 | 4.7 | 4.3 | 4.0 | 4.0 |
| 158 A09-231 | 4.9 | 4.8 | 5.0 | 4.8 | 5.0 | 8.7 |
| 159 Jump Start | 4.9 | 4.7 | 4.8 | 5.1 | 6.0 | 8.0 |
| 160 STR 2485 | 4.9 | 5.0 | 4.3 | 5.3 | 6.0 | 8.7 |
| 161 A04-1384 | 4.9 | 4.9 | 4.7 | 5.0 | 4.0 | 6.0 |
| 162 A99-2031 | 4.8 | 4.8 | 4.5 | 5.2 | 5.3 | 4.0 |
| 163 PSG 2677 | 4.8 | 4.1 | 5.0 | 5.4 | 5.3 | 6.7 |
| 164 A04-1474 | 4.8 | 5.8 | 4.2 | 4.5 | 3.3 | 1.0 |
| 165 AKB1812 | 4.8 | 4.5 | 5.1 | 4.9 | 2.7 | 3.3 |
| 166 TD-4 JP08 | 4.8 | 4.8 | 4.6 | 5.1 | 4.7 | 7.0 |
| 167 STR 2278 | 4.8 | 4.8 | 4.7 | 5.0 | 3.7 | 3.0 |
| 168 PST-T7-7 | 4.8 | 5.1 | 4.8 | 4.5 | 3.7 | 8.0 |
| 169 A10-247 | 4.8 | 4.9 | 4.8 | 4.7 | 3.7 | 6.7 |
| 170 A98-210 | 4.8 | 5.0 | 4.8 | 4.6 | 5.3 | 6.0 |
| 171 Avalanche | 4.8 | 5.4 | 4.1 | 4.9 | 6.0 | 8.3 |
| 172 Blackberry | 4.8 | 4.4 | 5.1 | 4.9 | 5.0 | 5.0 |
| 173 Sonoma | 4.8 | 4.6 | 4.9 | 4.9 | 5.0 | 5.3 |
| 174 A10-241 | 4.8 | 5.1 | 4.9 | 4.3 | 3.3 | 6.7 |
| 175 PST-102-158 | 4.8 | 4.8 | 4.8 | 4.7 | 4.3 | 2.3 |

(Continued)

Table 2. Kentucky bluegrass turf trial, 2011 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | Spring Green-up ² 8 April 2014 | Stemmi- ness ³ 23 May 2014 |
|-----------------------|--------------------------------------|--------------|--------------|--------------|---|--|
| | 2012- 2014 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | | |
| 176 Argos | 4.8 | 4.0 | 5.2 | 5.0 | 5.7 | 6.3 |
| 177 Fielder | 4.7 | 3.9 | 5.1 | 5.2 | 6.3 | 5.0 |
| 178 PST-T10-21 | 4.7 | 5.1 | 4.6 | 4.5 | 5.7 | 8.7 |
| 179 PST-K10-113 | 4.7 | 4.8 | 4.7 | 4.7 | 5.3 | 5.3 |
| 180 Bandera | 4.7 | 5.0 | 4.4 | 4.8 | 2.7 | 2.3 |
| 181 A07-377 | 4.7 | 5.4 | 3.7 | 5.0 | 2.3 | 2.0 |
| 182 A10-238 | 4.7 | 4.9 | 4.8 | 4.4 | 4.7 | 4.3 |
| 183 PST-K11-120 Gr | 4.7 | 4.5 | 5.0 | 4.6 | 3.3 | 6.7 |
| 184 H03-556 | 4.7 | 4.5 | 4.4 | 5.2 | 7.3 | 9.0 |
| 185 Concerto | 4.7 | 4.2 | 4.9 | 5.0 | 5.7 | 5.7 |
| 186 STR 23064 | 4.7 | 4.4 | 4.9 | 4.8 | 3.3 | 4.0 |
| 187 PST-1QG-38 | 4.7 | 5.1 | 4.5 | 4.4 | 2.7 | 3.0 |
| 188 PST-K11-124 | 4.7 | 4.7 | 4.8 | 4.6 | 3.0 | 4.7 |
| 189 Rubicon | 4.7 | 4.7 | 4.4 | 5.0 | 7.0 | 7.0 |
| 190 Rock Star | 4.7 | 3.9 | 5.0 | 5.1 | 5.7 | 5.0 |
| 191 AKB719 | 4.7 | 4.7 | 4.6 | 4.7 | 4.0 | 5.7 |
| 192 PST-K11-117G | 4.7 | 4.3 | 4.8 | 4.8 | 4.3 | 5.0 |
| 193 Milagro | 4.7 | 4.6 | 4.6 | 4.7 | 4.3 | 8.3 |
| 194 A05-347 | 4.6 | 4.7 | 4.7 | 4.5 | 3.3 | 6.0 |
| 195 PST-104-208 | 4.6 | 4.5 | 4.8 | 4.5 | 5.3 | 7.7 |
| 196 A05-297 | 4.6 | 4.9 | 4.6 | 4.4 | 4.0 | 5.3 |
| 197 SR 2109 | 4.6 | 4.5 | 4.3 | 5.0 | 3.3 | 6.3 |
| 198 STR 2332 | 4.6 | 4.7 | 4.6 | 4.6 | 3.0 | 1.3 |
| 199 H02-607 | 4.6 | 4.3 | 4.8 | 4.6 | 3.3 | 5.3 |
| 200 SR 2100 | 4.6 | 4.9 | 4.6 | 4.3 | 3.7 | 4.3 |
| 201 PST-K8-64 | 4.6 | 4.4 | 4.5 | 4.9 | 4.0 | 2.7 |
| 202 A11-30 | 4.6 | 4.7 | 4.7 | 4.4 | 3.7 | 5.3 |
| 203 Bonaire | 4.6 | 4.0 | 4.6 | 5.1 | 6.0 | 4.7 |
| 204 PST-K11-116G | 4.6 | 4.8 | 4.3 | 4.5 | 4.7 | 7.0 |
| 205 PST-K9-88 | 4.6 | 4.7 | 4.8 | 4.2 | 4.7 | 5.0 |
| 206 PST-K8-66 | 4.6 | 3.9 | 5.1 | 4.7 | 4.0 | 4.0 |
| 207 A10-3 | 4.6 | 4.9 | 4.5 | 4.3 | 4.7 | 6.7 |
| 208 Guinness | 4.6 | 4.3 | 4.7 | 4.7 | 5.3 | 5.3 |
| 209 STR 2553 | 4.5 | 4.1 | 4.6 | 5.0 | 3.7 | 3.3 |
| 210 GS-3-09 | 4.5 | 3.7 | 4.8 | 5.2 | 3.0 | 4.0 |

(Continued)

Table 2. Kentucky bluegrass turf trial, 2011 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | Spring Green-up ² 8 April 2014 | Stemmi- ness ³ 23 May 2014 |
|-----------------------|--------------------------------------|--------------|--------------|--------------|---|--|
| | 2012- 2014 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | | |
| 211 A04-1477 | 4.5 | 4.5 | 4.4 | 4.6 | 3.0 | 4.7 |
| 212 A10-254 | 4.5 | 4.8 | 3.9 | 4.8 | 7.0 | 8.0 |
| 213 A05-999 | 4.5 | 4.4 | 4.2 | 5.0 | 6.0 | 8.0 |
| 214 Ulysses | 4.5 | 3.9 | 4.6 | 5.0 | 5.3 | 7.0 |
| 215 Limousine | 4.5 | 4.6 | 4.7 | 4.2 | 4.3 | 6.0 |
| 216 A04-1240 | 4.5 | 4.7 | 4.6 | 4.2 | 3.0 | 7.7 |
| 217 Blueberry | 4.5 | 4.8 | 4.6 | 4.1 | 4.7 | 5.0 |
| 218 PST-K11-128 | 4.5 | 4.4 | 4.6 | 4.5 | 4.0 | 4.7 |
| 219 Hampton | 4.5 | 4.8 | 4.0 | 4.6 | 4.7 | 8.0 |
| 220 A99-3110 | 4.5 | 4.0 | 4.9 | 4.5 | 4.0 | 4.7 |
| 221 PST-K8-76NO | 4.5 | 4.6 | 4.6 | 4.2 | 2.3 | 4.3 |
| 222 PST-K9-101 | 4.5 | 4.5 | 4.3 | 4.5 | 4.0 | 5.3 |
| 223 A01-881 | 4.5 | 4.2 | 4.7 | 4.5 | 8.0 | 9.0 |
| 224 A99-3193 | 4.5 | 4.1 | 4.4 | 4.8 | 4.7 | 5.0 |
| 225 A03-6 | 4.5 | 4.8 | 3.9 | 4.6 | 8.3 | 8.7 |
| 226 STR 2509 | 4.5 | 4.3 | 4.7 | 4.4 | 2.3 | 2.7 |
| 227 A06-1040 | 4.4 | 4.8 | 4.1 | 4.4 | 4.3 | 3.0 |
| 228 RAD-1405 | 4.4 | 4.4 | 4.5 | 4.4 | 3.7 | 7.0 |
| 229 PST-K8-61S | 4.4 | 4.2 | 4.4 | 4.7 | 5.3 | 3.7 |
| 230 A99-2026 | 4.4 | 4.5 | 4.5 | 4.3 | 2.7 | 2.7 |
| 231 Gaelic | 4.4 | 4.2 | 4.5 | 4.5 | 6.3 | 4.7 |
| 232 A05-930 | 4.4 | 4.3 | 3.9 | 5.0 | 5.0 | 7.3 |
| 233 PST-T10-27 | 4.4 | 4.3 | 4.4 | 4.5 | 5.3 | 3.3 |
| 234 A04-1315 | 4.4 | 4.4 | 4.3 | 4.5 | 4.7 | 6.0 |
| 235 A99-2328 | 4.4 | 4.2 | 4.6 | 4.3 | 4.3 | 5.7 |
| 236 A10-2 | 4.4 | 4.6 | 4.6 | 4.0 | 4.0 | 5.0 |
| 237 PST-K8-60 | 4.4 | 4.3 | 4.4 | 4.4 | 4.3 | 4.3 |
| 238 A10-741 | 4.4 | 4.2 | 4.4 | 4.5 | 5.3 | 8.3 |
| 239 Spitfire | 4.4 | 4.2 | 4.6 | 4.2 | 4.0 | 5.3 |
| 240 A04-1547 | 4.3 | 4.2 | 4.3 | 4.5 | 3.0 | 4.7 |
| 241 A08-2 | 4.3 | 4.4 | 4.6 | 4.0 | 4.7 | 5.3 |
| 242 A05-344 | 4.3 | 4.5 | 4.7 | 3.8 | 4.3 | 2.3 |
| 243 Cheetah | 4.3 | 4.3 | 4.0 | 4.7 | 5.3 | 3.3 |
| 244 Monte Carlo | 4.3 | 4.3 | 4.5 | 4.1 | 3.7 | 3.7 |
| 245 America | 4.3 | 4.1 | 4.3 | 4.5 | 4.7 | 3.7 |

(Continued)

Table 2. Kentucky bluegrass turf trial, 2011 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | Spring Green-up ² 8 April 2014 | Stemmi- ness ³ 23 May 2014 |
|-----------------------|--------------------------------------|--------------|--------------|--------------|---|--|
| | 2012- 2014 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | | |
| 246 A06-663 | 4.3 | 4.5 | 4.3 | 4.2 | 4.0 | 7.0 |
| 247 A09-258 | 4.3 | 4.4 | 3.8 | 4.6 | 9.0 | 9.0 |
| 248 A09-353 | 4.3 | 4.3 | 4.2 | 4.2 | 3.3 | 3.7 |
| 249 PST-A07-393 | 4.3 | 4.3 | 4.5 | 4.1 | 3.3 | 1.7 |
| 250 A04TB-275 | 4.2 | 4.4 | 4.0 | 4.3 | 6.3 | 7.0 |
| 251 Full Moon | 4.2 | 3.7 | 4.7 | 4.3 | 4.3 | 6.7 |
| 252 Brooklawn | 4.2 | 4.0 | 4.2 | 4.5 | 5.3 | 4.7 |
| 253 A06-658 | 4.2 | 4.2 | 3.7 | 4.8 | 6.0 | 4.0 |
| 254 3925 | 4.2 | 4.4 | 4.2 | 4.1 | 3.0 | 5.0 |
| 255 RAD-1791 | 4.2 | 4.6 | 4.2 | 3.9 | 4.0 | 4.0 |
| 256 PST-K7-29 | 4.2 | 4.7 | 4.1 | 3.8 | 5.0 | 6.3 |
| 257 A06-3 | 4.2 | 4.0 | 4.4 | 4.1 | 4.7 | 4.3 |
| 258 3725 | 4.2 | 4.2 | 4.3 | 4.0 | 3.0 | 4.7 |
| 259 Bordeaux | 4.2 | 4.4 | 4.2 | 3.9 | 5.7 | 4.0 |
| 260 Kingfisher | 4.2 | 4.1 | 4.2 | 4.2 | 4.7 | 5.0 |
| 261 Orfeo | 4.2 | 3.7 | 4.0 | 4.8 | 4.0 | 5.7 |
| 262 Noble | 4.1 | 4.3 | 4.3 | 3.9 | 4.0 | 3.0 |
| 263 PST-102-965 | 4.1 | 4.1 | 3.9 | 4.4 | 5.0 | 7.0 |
| 264 A05-827 | 4.1 | 3.9 | 4.1 | 4.4 | 7.3 | 8.3 |
| 265 Touchdown | 4.1 | 3.8 | 4.1 | 4.4 | 5.7 | 7.0 |
| 266 A04-1239 | 4.1 | 3.5 | 4.2 | 4.5 | 6.3 | 8.3 |
| 267 RAD-ADT 320 | 4.1 | 3.3 | 4.3 | 4.6 | 3.7 | 4.7 |
| 268 Blue Ghost | 4.0 | 3.4 | 4.5 | 4.3 | 3.7 | 4.7 |
| 269 PST-K11-125 | 4.0 | 4.8 | 3.6 | 3.6 | 4.7 | 5.0 |
| 270 PST-IG4-66 | 3.9 | 3.7 | 4.3 | 3.8 | 3.3 | 5.3 |
| 271 RAD-8IH34 | 3.8 | 4.3 | 3.6 | 3.7 | 4.3 | 4.7 |
| 272 PST-IG4-68 | 3.8 | 3.4 | 4.2 | 4.0 | 4.0 | 5.3 |
| 273 A06-6 | 3.8 | 3.1 | 4.2 | 4.0 | 4.0 | 2.7 |
| 274 2-09 KB | 3.8 | 3.3 | 4.2 | 3.8 | 4.0 | 5.0 |
| 275 PST-K8-65 | 3.8 | 3.6 | 3.8 | 3.9 | 4.7 | 3.7 |
| 276 H03-546 | 3.7 | 3.6 | 3.4 | 4.1 | 7.0 | 8.7 |
| 277 RAD-1216 | 3.6 | 2.2 | 3.9 | 4.6 | 4.7 | 5.0 |
| 278 ARC | 3.5 | 3.8 | 4.0 | 2.8 | 5.0 | 5.3 |
| 279 Action | 3.3 | 2.8 | 3.1 | 4.0 | 8.7 | 7.0 |
| 280 RAD-857 | 3.2 | 1.8 | 3.9 | 3.9 | 4.3 | 4.3 |

(Continued)

Table 2. Kentucky bluegrass turf trial, 2011 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | Spring Green-up ² 8 April 2014 | Stemmi- ness ³ 23 May 2014 |
|-----------------------|--------------------------------------|--------------|--------------|--------------|---|--|
| | 2012- 2014 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | | |
| 281 Boutique | 2.8 | 1.2 | 3.7 | 3.6 | 4.7 | 5.3 |
| 282 RAD-197 | 2.2 | 1.2 | 2.6 | 2.7 | 3.0 | 2.7 |
| LSD at 5% = | 0.6 | 0.8 | 0.7 | 0.8 | 1.5 | 1.6 |

¹9 = best turf quality

²9 = best spring green-up

³9 = lowest stem count

Table 3. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2011 at Adelphia, NJ. (Includes all entries of the 2011 National Turfgrass Evaluation Program (NTEP) Kentucky Bluegrass Test.)

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | | Spring Green-up ² 8 April 2014 | Stemmi-ness ³ 24 May 2014 | Genetic Color ⁴ 7 Aug. 2014 | Uniformity ⁵ 7 Aug. 2014 |
|-----------------------|--------------------------------------|-----------|-----------|-----------|-----------|---|--|--|---|
| | 2012-2014 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | 2014 Avg. | | | | |
| 1 J-1136 | 6.8 | 7.2 | 6.4 | 6.8 | 6.8 | 2.7 | 7.3 | 8.0 | 8.3 |
| 2 J-1853 | 6.5 | 6.8 | 6.3 | 6.5 | 6.5 | 3.0 | 5.3 | 8.0 | 8.0 |
| 3 J-1770 | 6.5 | 6.9 | 6.1 | 6.5 | 6.5 | 2.7 | 5.3 | 8.0 | 7.7 |
| 4 A03-1017 | 6.5 | 6.8 | 6.1 | 6.5 | 6.5 | 2.3 | 6.0 | 7.7 | 8.7 |
| 5 A06-46 | 6.3 | 6.6 | 5.7 | 6.5 | 6.5 | 4.0 | 8.0 | 6.7 | 7.7 |
| 6 A05-361 | 6.3 | 6.1 | 6.2 | 6.5 | 6.5 | 5.3 | 7.7 | 4.7 | 7.7 |
| 7 Blue Note | 6.3 | 6.0 | 6.5 | 6.2 | 6.2 | 5.3 | 8.7 | 3.7 | 7.7 |
| 8 Sudden Impact | 6.2 | 6.6 | 5.9 | 6.2 | 6.2 | 2.3 | 6.0 | 7.3 | 7.7 |
| 9 Pick 033 | 6.1 | 6.1 | 5.9 | 6.3 | 6.3 | 4.3 | 7.7 | 7.0 | 7.0 |
| 10 SRX 4338 | 6.0 | 6.5 | 5.9 | 5.7 | 5.7 | 3.3 | 6.3 | 4.7 | 7.0 |
| 11 Keeneland | 6.0 | 6.2 | 6.4 | 5.5 | 5.5 | 3.3 | 7.0 | 5.0 | 6.3 |
| 12 Nu Chicago | 6.0 | 6.3 | 6.0 | 5.8 | 5.8 | 2.3 | 5.3 | 6.7 | 7.7 |
| 13 Legend | 6.0 | 6.2 | 5.9 | 6.0 | 6.0 | 4.0 | 4.3 | 8.0 | 7.3 |
| 14 Pick 4340 | 6.0 | 6.5 | 6.2 | 5.2 | 5.2 | 2.7 | 6.3 | 5.3 | 6.0 |
| 15 Midnight | 5.9 | 6.4 | 5.5 | 5.9 | 5.9 | 3.0 | 5.7 | 7.7 | 8.3 |
| 16 Arrowhead | 5.8 | 5.4 | 5.8 | 6.3 | 6.3 | 6.7 | 7.7 | 6.7 | 8.0 |
| 17 SRX 2758 | 5.8 | 6.4 | 5.8 | 5.2 | 5.2 | 4.7 | 7.7 | 6.7 | 7.7 |
| 18 BAR Pp 110358 | 5.8 | 5.1 | 6.3 | 6.0 | 6.0 | 6.0 | 7.7 | 4.0 | 7.7 |
| 19 Rush | 5.7 | 6.2 | 5.3 | 5.7 | 5.7 | 3.7 | 6.0 | 7.3 | 7.7 |
| 20 Skye | 5.7 | 5.6 | 5.6 | 6.0 | 6.0 | 5.7 | 6.3 | 5.0 | 8.0 |
| 21 PST K9-90 | 5.7 | 5.3 | 5.5 | 6.2 | 6.2 | 3.3 | 7.7 | 6.3 | 7.7 |
| 22 SRX 466 | 5.6 | 6.0 | 5.6 | 5.3 | 5.3 | 5.0 | 7.3 | 6.0 | 6.0 |
| 23 A06-26 | 5.6 | 5.4 | 5.9 | 5.4 | 5.4 | 4.3 | 4.7 | 5.3 | 7.0 |
| 24 A05-360 | 5.6 | 5.6 | 5.2 | 5.9 | 5.9 | 6.3 | 8.3 | 4.3 | 6.3 |
| 25 Avid | 5.6 | 5.1 | 5.8 | 5.8 | 5.8 | 2.3 | 3.7 | 5.7 | 7.0 |

(Continued)

Table 3. Kentucky bluegrass turf trial, 2011, NTEP (continued).

| Cultivar or Selection | Turf Quality ¹ | | | | | Spring Green-up ² 8 April 2014 | Stemmi-ness ³ 24 May 2014 | Genetic Color ⁴ 7 Aug. 2014 | Uniformity ⁵ 7 Aug. 2014 |
|-----------------------|---------------------------|-----------|-----------|-----------|-----------|---|--|--|---|
| | 2012-2014 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | 2014 Avg. | | | | |
| 26 A00-4199 | 5.5 | 5.5 | 5.8 | 5.4 | 5.4 | 4.0 | 4.3 | 4.3 | 5.7 |
| 27 BAR 12PP 612 | 5.5 | 5.3 | 5.2 | 6.0 | 6.0 | 6.0 | 8.3 | 6.3 | 6.7 |
| 28 Lunar | 5.5 | 5.9 | 4.9 | 5.6 | 5.6 | 6.0 | 5.0 | 9.0 | 6.3 |
| 29 Dauntless | 5.5 | 5.2 | 5.7 | 5.5 | 5.5 | 6.0 | 6.7 | 4.0 | 7.3 |
| 30 A00-2882 | 5.5 | 5.5 | 5.3 | 5.5 | 5.5 | 5.3 | 8.0 | 5.3 | 6.0 |
| 31 A04-74 | 5.5 | 5.3 | 5.7 | 5.5 | 5.5 | 4.0 | 4.7 | 7.0 | 7.0 |
| 32 Endurance | 5.5 | 4.5 | 5.6 | 6.4 | 6.4 | 6.3 | 4.3 | 7.3 | 8.3 |
| 33 Burl 3-51 | 5.4 | 5.6 | 5.5 | 5.2 | 5.2 | 4.0 | 3.0 | 7.3 | 5.7 |
| 34 Pick TD8 | 5.4 | 5.0 | 5.6 | 5.6 | 5.6 | 6.0 | 5.0 | 6.7 | 7.3 |
| 35 A01-1106 | 5.4 | 5.8 | 5.0 | 5.4 | 5.4 | 4.3 | 8.0 | 5.7 | 6.3 |
| 36 Award | 5.3 | 5.0 | 5.5 | 5.5 | 5.5 | 2.3 | 5.7 | 7.3 | 6.3 |
| 37 A04-38 | 5.3 | 4.8 | 5.6 | 5.6 | 5.6 | 5.7 | 6.3 | 4.0 | 6.0 |
| 38 Merlot | 5.3 | 5.4 | 5.3 | 5.3 | 5.3 | 5.7 | 5.7 | 6.0 | 6.7 |
| 39 Rubix | 5.3 | 5.2 | 5.2 | 5.5 | 5.5 | 6.7 | 8.3 | 4.7 | 8.0 |
| 40 RAD-849 | 5.2 | 5.5 | 5.3 | 4.9 | 4.9 | 6.3 | 7.3 | 4.7 | 5.3 |
| 41 PST K10-106D | 5.2 | 5.1 | 5.3 | 5.3 | 5.3 | 6.3 | 7.7 | 6.0 | 6.3 |
| 42 Oasis | 5.2 | 4.8 | 5.5 | 5.4 | 5.4 | 5.0 | 3.7 | 8.0 | 6.0 |
| 43 BAR 8PP 504 | 5.2 | 5.1 | 5.0 | 5.4 | 5.4 | 5.7 | 7.7 | 3.7 | 7.3 |
| 44 A04-36 | 5.2 | 5.0 | 5.5 | 5.1 | 5.1 | 5.3 | 6.7 | 4.3 | 6.3 |
| 45 SRX 5321 | 5.2 | 4.8 | 5.6 | 5.1 | 5.1 | 3.3 | 7.0 | 3.7 | 5.3 |
| 46 Cabernet | 5.1 | 4.5 | 5.1 | 5.7 | 5.7 | 4.7 | 6.7 | 5.0 | 5.7 |
| 47 Burl 06-11 | 5.1 | 4.9 | 5.4 | 5.0 | 5.0 | 5.7 | 5.7 | 4.0 | 5.7 |
| 48 H99-1653 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 6.7 | 8.0 | 4.7 | 7.0 |
| 49 Empire | 5.1 | 5.0 | 4.9 | 5.2 | 5.2 | 5.0 | 5.0 | 6.7 | 6.7 |
| 50 A05-TB-382 | 5.0 | 5.4 | 4.8 | 4.9 | 4.9 | 4.3 | 5.0 | 5.0 | 4.7 |

(Continued)

Table 3. Kentucky bluegrass turf trial, 2011, NTEP (continued).

| Cultivar or Selection | Turf Quality ¹ | | | | Spring Green-up ² 8 April 2014 | Stemmi-ness ³ 24 May 2014 | Genetic Color ⁴ 7 Aug. 2014 | Uniformity ⁵ 7 Aug. 2014 |
|-----------------------|---------------------------|-----------|-----------|-----------|---|--|--|---|
| | 2012-2014 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | | | | |
| 51 Aramintha | 5.0 | 5.2 | 4.8 | 5.0 | 4.3 | 7.7 | 4.7 | 7.7 |
| 52 Pick TD9 | 5.0 | 4.7 | 4.7 | 5.5 | 4.7 | 7.3 | 7.0 | 8.3 |
| 53 Barvette HGT | 5.0 | 4.7 | 4.9 | 5.3 | 8.7 | 7.3 | 4.7 | 7.7 |
| 54 Blue Coat | 4.9 | 4.7 | 4.9 | 5.3 | 2.7 | 5.3 | 8.0 | 6.7 |
| 55 PST-K9-97 | 4.9 | 3.8 | 5.4 | 5.5 | 5.7 | 7.0 | 7.3 | 7.3 |
| 56 PST-T10-18 | 4.9 | 5.4 | 4.5 | 4.8 | 5.3 | 8.0 | 3.7 | 6.3 |
| 57 PST-K4-3 | 4.9 | 5.1 | 4.9 | 4.7 | 6.7 | 7.0 | 6.3 | 7.0 |
| 58 A98-363 | 4.8 | 4.8 | 5.0 | 4.7 | 5.0 | 6.3 | 5.3 | 5.7 |
| 59 A05-306 | 4.8 | 4.5 | 5.0 | 5.0 | 6.0 | 6.7 | 3.7 | 6.3 |
| 60 A06-47 | 4.8 | 4.3 | 5.1 | 5.1 | 6.0 | 5.7 | 4.3 | 7.3 |
| 61 RAD-1492 | 4.8 | 4.5 | 5.0 | 4.9 | 4.0 | 6.3 | 6.7 | 5.7 |
| 62 Zedor | 4.7 | 4.5 | 4.6 | 5.1 | 5.7 | 6.3 | 4.0 | 5.0 |
| 63 BAR VV-112916 | 4.7 | 5.2 | 4.1 | 4.7 | 9.0 | 5.3 | 5.7 | 6.7 |
| 64 Waterworks | 4.7 | 4.4 | 4.8 | 4.8 | 4.3 | 2.3 | 7.7 | 6.0 |
| 65 A05-999 | 4.6 | 4.3 | 4.7 | 4.7 | 5.3 | 7.0 | 4.7 | 6.0 |
| 66 America | 4.5 | 4.4 | 4.6 | 4.6 | 4.3 | 3.7 | 5.7 | 5.3 |
| 67 Geisha | 4.5 | 4.2 | 4.7 | 4.6 | 4.0 | 2.3 | 5.7 | 5.0 |
| 68 BAR VV 118532 | 4.3 | 4.3 | 4.3 | 4.4 | 5.7 | 4.3 | 4.0 | 4.3 |
| 69 Thermal Blue | 4.3 | 4.3 | 4.1 | 4.4 | 5.0 | 6.3 | 2.3 | 5.3 |
| 70 BAR Pp 119326 | 4.3 | 4.4 | 4.2 | 4.2 | 4.7 | 6.0 | 2.3 | 3.7 |
| 71 Shamrock | 4.3 | 3.8 | 4.7 | 4.3 | 5.7 | 4.3 | 5.0 | 6.0 |
| 72 Pick MD07 | 4.2 | 4.0 | 4.0 | 4.8 | 7.0 | 6.7 | 3.3 | 6.3 |
| 73 RAD-507 | 4.0 | 4.2 | 3.8 | 4.0 | 5.3 | 3.7 | 5.0 | 4.0 |
| 74 Baron | 4.0 | 3.9 | 4.1 | 3.9 | 4.0 | 3.0 | 6.0 | 4.0 |
| 75 AKB 2555 | 3.9 | 3.5 | 4.2 | 4.0 | 4.3 | 5.0 | 5.7 | 5.7 |

(Continued)

Table 3. Kentucky bluegrass turf trial, 2011, NTEP (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | | Spring Green-up ² 8 April 2014 | Stemmi-ness ³ 24 May 2014 | Genetic Color ⁴ 7 Aug. 2014 | Uniformity ⁵ 7 Aug. 2014 |
|-----------------------|--------------------------------------|--------------|--------------|--------------|---|--|--|---|
| | 2012- 2014 Avg. | 2012 Avg. | 2013 Avg. | 2014 Avg. | | | | |
| 76 BAR Pp 119327 | 3.9 | 4.0 | 3.8 | 3.9 | 2.7 | 4.0 | 5.3 | 3.7 |
| 77 3733 | 3.8 | 3.5 | 4.4 | 3.6 | 4.7 | 4.0 | 7.0 | 2.7 |
| 78 Aretesia | 3.8 | 3.6 | 4.1 | 3.7 | 4.0 | 3.0 | 6.0 | 3.3 |
| 79 Barduke | 3.8 | 4.0 | 3.5 | 3.8 | 4.3 | 3.0 | 5.7 | 5.0 |
| 80 Blackjack | 3.7 | 3.9 | 3.6 | 3.7 | 6.0 | 4.7 | 6.0 | 5.3 |
| 81 PST-K9-99 | 3.7 | 3.8 | 3.6 | 3.7 | 3.7 | 3.7 | 4.0 | 3.0 |
| 82 Kenblue | 3.5 | 3.6 | 3.8 | 3.0 | 8.3 | 6.0 | 3.7 | 3.0 |
| LSD at 5% = | 0.5 | 0.6 | 0.7 | 0.8 | 1.5 | 1.5 | 1.4 | 1.9 |

¹9 = best turf quality
²9 = best spring green-up
³9 = lowest stem count
⁴9 = best genetic color
⁵9 = highest uniformity

Table 4. Performance of Kentucky bluegrass cultivars and selections in a turf trial seeded in September 2012 at Adelphia, NJ.

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | Spring Green-up ² 8 April 2014 | Stemmi- ness ³ 4 June 2014 | Wear Quality ⁴ 11 Aug. 2014 |
|-----------------------|--------------------------------------|--------------|--------------|---|--|---|
| | 2013- 2014 Avg. | 2013 Avg. | 2014 Avg. | | | |
| 1 Pick 033 | 6.3 | 6.5 | 6.1 | 5.0 | 7.0 | 6.0 |
| 2 A06-33 | 6.1 | 6.1 | 6.1 | 5.7 | 6.0 | 5.7 |
| 3 2683-10K | 6.1 | 6.2 | 5.9 | 4.7 | 7.3 | 6.3 |
| 4 GO-12R26-28 | 6.0 | 6.1 | 6.0 | 4.3 | 6.0 | 5.3 |
| 5 A10-280 | 5.9 | 6.6 | 5.3 | 4.7 | 6.0 | 7.0 |
| 6 A00-1400 | 5.9 | 6.4 | 5.4 | 4.7 | 6.3 | 3.3 |
| 7 A05-361 | 5.9 | 6.0 | 5.8 | 6.0 | 7.3 | 4.3 |
| 8 A11-26 | 5.9 | 6.3 | 5.5 | 4.0 | 7.7 | 5.3 |
| 9 A10-249 | 5.9 | 6.3 | 5.4 | 5.0 | 5.3 | 4.3 |
| 10 Quantum Leap | 5.9 | 6.6 | 5.1 | 3.3 | 3.7 | 6.0 |
| 11 A04-69 | 5.8 | 6.2 | 5.5 | 5.0 | 6.3 | 5.3 |
| 12 Endurance | 5.8 | 5.6 | 6.1 | 5.3 | 6.7 | 6.3 |
| 13 Midnight II | 5.8 | 6.4 | 5.2 | 4.0 | 4.3 | 5.0 |
| 14 A12-4 | 5.8 | 5.5 | 6.0 | 6.0 | 6.3 | 6.7 |
| 15 Impact | 5.8 | 6.5 | 5.1 | 4.0 | 5.3 | 6.0 |
| 16 Hampton | 5.8 | 5.9 | 5.6 | 6.0 | 7.3 | 5.7 |
| 17 A12-38 | 5.8 | 5.8 | 5.7 | 4.0 | 6.3 | 8.7 |
| 18 A07-5 | 5.8 | 5.6 | 5.9 | 4.0 | 6.7 | 7.3 |
| 19 Diva | 5.8 | 5.8 | 5.7 | 4.3 | 7.0 | 5.7 |
| 20 PST-K11-118 | 5.8 | 5.6 | 5.9 | 6.0 | 5.3 | 5.7 |
| 21 A99-2758 | 5.8 | 6.4 | 5.1 | 4.7 | 6.7 | 5.7 |
| 22 PST-K11-123 | 5.7 | 5.4 | 6.1 | 5.7 | 7.0 | 5.3 |
| 23 PST-K11-126 | 5.7 | 5.6 | 5.9 | 4.7 | 8.0 | 9.0 |
| 24 PST-T10-17 | 5.7 | 6.2 | 5.2 | 4.3 | 5.7 | 6.7 |
| 25 A00-4199 | 5.7 | 6.0 | 5.3 | 4.7 | 6.7 | 5.7 |
| 26 PST-K10-111 | 5.6 | 5.8 | 5.3 | 4.0 | 6.7 | 8.3 |
| 27 PST-K8-66 | 5.6 | 5.1 | 6.0 | 5.3 | 5.7 | 5.7 |
| 28 Touche | 5.6 | 5.3 | 5.8 | 4.7 | 6.3 | 8.3 |
| 29 A12-30 | 5.6 | 5.8 | 5.3 | 4.3 | 5.3 | 5.3 |
| 30 PST-K11-127G | 5.5 | 5.7 | 5.3 | 5.0 | 5.7 | 3.3 |
| 31 Blue Velvet | 5.5 | 6.3 | 4.7 | 4.0 | 4.0 | 5.7 |
| 32 A12-49 | 5.5 | 6.0 | 5.1 | 3.7 | 5.3 | 5.7 |
| 33 GO-12R24-25 | 5.5 | 5.7 | 5.3 | 4.7 | 6.7 | 5.0 |
| 34 A05-360 | 5.5 | 5.7 | 5.3 | 6.0 | 7.0 | 5.3 |
| 35 Freedom III | 5.5 | 6.0 | 4.9 | 3.7 | 3.3 | 4.3 |

(Continued)

Table 4. Kentucky bluegrass turf trial, 2012 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | Spring Green-up ² 8 April 2014 | Stemmi- ness ³ 4 June 2014 | Wear Quality ⁴ 11 Aug. 2014 |
|-----------------------|--------------------------------------|--------------|--------------|---|--|---|
| | 2013- 2014 Avg. | 2013 Avg. | 2014 Avg. | | | |
| 36 A12-6 | 5.5 | 5.7 | 5.2 | 3.3 | 4.0 | 5.0 |
| 37 A12-31 | 5.5 | 5.8 | 5.1 | 6.7 | 5.0 | 3.7 |
| 38 A12-34 | 5.5 | 5.8 | 5.1 | 4.7 | 4.3 | 5.0 |
| 39 PST-T10-18 | 5.5 | 5.8 | 5.1 | 5.3 | 6.7 | 7.7 |
| 40 Blue Chip | 5.5 | 6.2 | 4.7 | 3.7 | 4.3 | 3.7 |
| 41 Award | 5.5 | 6.2 | 4.7 | 3.7 | 5.0 | 5.0 |
| 42 Legend | 5.5 | 5.7 | 5.2 | 4.7 | 4.3 | 3.7 |
| 43 Right | 5.4 | 6.0 | 4.9 | 5.3 | 6.0 | 4.3 |
| 44 PST-K10-107 | 5.4 | 5.4 | 5.4 | 5.3 | 6.7 | 4.3 |
| 45 PST-K11-122 | 5.4 | 5.7 | 5.1 | 5.3 | 5.3 | 5.3 |
| 46 GO-12R22B-23 | 5.4 | 5.4 | 5.4 | 4.7 | 6.0 | 5.7 |
| 47 A12-37 | 5.4 | 5.7 | 5.1 | 4.3 | 6.3 | 4.7 |
| 48 Midnight | 5.4 | 6.1 | 4.7 | 3.0 | 4.7 | 5.0 |
| 49 A99-2897 | 5.4 | 5.8 | 5.0 | 5.3 | 3.3 | 3.3 |
| 50 Nuglade | 5.4 | 5.8 | 5.0 | 3.7 | 4.3 | 5.3 |
| 51 PST-K9-88 | 5.4 | 5.7 | 5.1 | 6.0 | 6.0 | 2.7 |
| 52 Washington II | 5.4 | 5.5 | 5.3 | 5.0 | 6.3 | 8.3 |
| 53 Pick TD8 | 5.4 | 5.5 | 5.2 | 5.0 | 6.3 | 4.7 |
| 54 PST-T12-31 | 5.3 | 5.3 | 5.3 | 4.3 | 6.7 | 6.3 |
| 55 A04-74 | 5.3 | 5.7 | 5.0 | 4.0 | 3.7 | 4.3 |
| 56 Fullback | 5.3 | 5.8 | 4.8 | 5.3 | 5.3 | 4.0 |
| 57 PST-K12-130 | 5.3 | 5.3 | 5.4 | 6.7 | 5.0 | 3.3 |
| 58 PST-K12-129 | 5.3 | 5.5 | 5.1 | 4.7 | 6.7 | 7.3 |
| 59 Mercury | 5.3 | 6.0 | 4.6 | 4.3 | 5.0 | 4.0 |
| 60 TD5-JP08 | 5.3 | 5.2 | 5.5 | 5.3 | 6.7 | 4.7 |
| 61 Sudden Impact | 5.3 | 5.7 | 4.9 | 4.3 | 5.0 | 5.0 |
| 62 Liberator | 5.3 | 5.9 | 4.7 | 4.0 | 4.7 | 4.7 |
| 63 3-11 KB | 5.3 | 5.4 | 5.2 | 6.0 | 6.0 | 3.7 |
| 64 Krypton | 5.3 | 5.4 | 5.1 | 5.0 | 5.7 | 5.0 |
| 65 A05-312 | 5.3 | 5.3 | 5.2 | 5.7 | 6.3 | 6.3 |
| 66 PST-K12-132 | 5.3 | 4.9 | 5.6 | 7.3 | 5.7 | 4.3 |
| 67 A03-1017 | 5.3 | 5.9 | 4.6 | 3.3 | 5.0 | 5.7 |
| 68 A96-1338 | 5.2 | 5.4 | 5.1 | 5.0 | 7.0 | 7.3 |
| 69 PST-K9-96 | 5.2 | 5.8 | 4.6 | 5.0 | 5.3 | 4.0 |
| 70 PST-K11-117G | 5.2 | 5.6 | 4.9 | 5.0 | 6.0 | 4.3 |

(Continued)

Table 4. Kentucky bluegrass turf trial, 2012 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | Spring Green-up ² 8 April 2014 | Stemmi- ness ³ 4 June 2014 | Wear Quality ⁴ 11 Aug. 2014 |
|-----------------------|--------------------------------------|--------------|--------------|---|--|---|
| | 2013- 2014 Avg. | 2013 Avg. | 2014 Avg. | | | |
| 71 PSG 2677 | 5.2 | 4.6 | 5.8 | 5.3 | 5.7 | 5.7 |
| 72 H99-1653 | 5.2 | 5.3 | 5.1 | 5.0 | 7.0 | 8.7 |
| 73 A12-11 | 5.2 | 5.5 | 4.9 | 5.3 | 6.3 | 7.0 |
| 74 CREST 5K-12 | 5.2 | 5.4 | 5.0 | 5.0 | 5.0 | 3.3 |
| 75 4-Season | 5.2 | 5.1 | 5.3 | 5.0 | 5.0 | 5.7 |
| 76 Beyond | 5.2 | 5.7 | 4.7 | 4.0 | 3.3 | 4.0 |
| 77 Rugby II | 5.2 | 5.5 | 4.8 | 4.3 | 4.3 | 4.7 |
| 78 KB 4-11 | 5.2 | 5.3 | 5.0 | 5.0 | 5.0 | 3.7 |
| 79 Nu Destiny | 5.2 | 5.8 | 4.5 | 3.7 | 3.7 | 4.3 |
| 80 Everest | 5.2 | 5.8 | 4.5 | 4.0 | 3.7 | 3.7 |
| 81 Shiraz | 5.2 | 5.1 | 5.2 | 5.7 | 6.0 | 4.7 |
| 82 A12-5 | 5.1 | 5.2 | 5.1 | 4.7 | 4.7 | 6.0 |
| 83 Armada | 5.1 | 5.5 | 4.8 | 5.7 | 4.3 | 4.0 |
| 84 Rush | 5.1 | 5.6 | 4.7 | 4.0 | 3.7 | 4.0 |
| 85 BlueNote | 5.1 | 5.3 | 4.9 | 5.7 | 7.3 | 4.0 |
| 86 A04-387 | 5.1 | 4.8 | 5.4 | 4.7 | 5.7 | 8.0 |
| 87 A12-3 | 5.1 | 5.0 | 5.2 | 4.7 | 5.7 | 5.7 |
| 88 PST-K12-133G | 5.1 | 4.9 | 5.3 | 5.0 | 6.3 | 7.3 |
| 89 NuBlue Plus | 5.1 | 5.7 | 4.5 | 3.7 | 4.3 | 4.3 |
| 90 A12-7 | 5.1 | 5.3 | 4.8 | 4.7 | 6.7 | 7.0 |
| 91 RAD-1776 | 5.1 | 5.2 | 5.0 | 5.7 | 6.0 | 5.7 |
| 92 Solar Eclipse | 5.1 | 5.7 | 4.4 | 3.7 | 4.3 | 3.3 |
| 93 Mallard | 5.1 | 5.6 | 4.5 | 4.0 | 4.3 | 2.7 |
| 94 A12-1 | 5.0 | 5.2 | 4.9 | 4.7 | 6.3 | 4.0 |
| 95 A09-231 | 5.0 | 5.1 | 5.0 | 5.0 | 6.7 | 5.3 |
| 96 A05-853 | 5.0 | 4.8 | 5.3 | 5.0 | 7.0 | 6.0 |
| 97 PST-K10-106D | 5.0 | 4.9 | 5.1 | 6.0 | 6.3 | 6.7 |
| 98 DDOKM | 5.0 | 5.5 | 4.6 | 4.0 | 3.7 | 3.0 |
| 99 A05-940 | 5.0 | 5.0 | 5.0 | 3.7 | 5.3 | 5.3 |
| 100 GO-12R8-12 | 5.0 | 4.8 | 5.2 | 5.3 | 5.3 | 4.7 |
| 101 PST-T10-22-BS | 5.0 | 4.9 | 5.1 | 6.3 | 7.0 | 6.7 |
| 102 PST-K11-125 | 5.0 | 5.1 | 4.9 | 5.3 | 7.3 | 5.7 |
| 103 DKH-KB | 5.0 | 5.3 | 4.6 | 4.0 | 4.3 | 3.0 |
| 104 Kingfisher | 5.0 | 5.1 | 4.9 | 5.0 | 5.7 | 5.0 |
| 105 SR 2284 | 5.0 | 4.9 | 5.0 | 5.7 | 5.3 | 5.7 |

(Continued)

Table 4. Kentucky bluegrass turf trial, 2012 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | Spring Green-up ² 8 April 2014 | Stemmi- ness ³ 4 June 2014 | Wear Quality ⁴ 11 Aug. 2014 |
|-----------------------|--------------------------------------|--------------|--------------|---|--|---|
| | 2013- 2014 Avg. | 2013 Avg. | 2014 Avg. | | | |
| 106 Cabernet | 5.0 | 4.8 | 5.1 | 5.7 | 6.3 | 6.3 |
| 107 A98-1001 | 5.0 | 5.2 | 4.8 | 2.7 | 4.3 | 5.7 |
| 108 A04-1381 | 5.0 | 5.2 | 4.8 | 4.5 | 6.5 | 5.0 |
| 109 RAD-926 | 5.0 | 4.8 | 5.1 | 4.7 | 6.3 | 6.3 |
| 110 A99-2031 | 4.9 | 5.4 | 4.4 | 4.0 | 7.0 | 3.0 |
| 111 A05-853 | 4.9 | 4.9 | 5.0 | 5.0 | 6.7 | 6.3 |
| 112 RAD-861 | 4.9 | 5.2 | 4.7 | 4.0 | 6.0 | 5.0 |
| 113 Crest 5X-11 | 4.9 | 5.1 | 4.8 | 5.0 | 4.7 | 4.3 |
| 114 A07-783 | 4.9 | 5.3 | 4.6 | 3.0 | 6.7 | 7.3 |
| 115 AKB-1820 | 4.9 | 5.5 | 4.3 | 4.0 | 4.7 | 3.3 |
| 116 Granite | 4.9 | 5.3 | 4.5 | 3.7 | 3.3 | 4.7 |
| 117 366JP08-2 | 4.9 | 4.7 | 5.0 | 5.7 | 6.0 | 3.7 |
| 118 Baron | 4.9 | 4.9 | 4.8 | 4.3 | 6.0 | 5.3 |
| 119 A05TB-459 | 4.9 | 5.3 | 4.5 | 4.7 | 6.7 | 5.3 |
| 120 Prosperity | 4.9 | 4.6 | 5.1 | 4.7 | 6.7 | 6.7 |
| 121 A04-35 | 4.9 | 5.1 | 4.6 | 5.0 | 6.3 | 4.7 |
| 122 2109 5K | 4.8 | 5.3 | 4.4 | 5.0 | 7.0 | 4.7 |
| 123 Nobel | 4.8 | 5.3 | 4.3 | 3.7 | 3.7 | 3.3 |
| 124 Wildwood | 4.8 | 5.1 | 4.5 | 5.3 | 5.0 | 5.7 |
| 125 Arrowhead | 4.8 | 4.9 | 4.8 | 5.0 | 6.3 | 4.7 |
| 126 A05-306 | 4.8 | 4.9 | 4.8 | 5.3 | 6.0 | 5.0 |
| 127 A12-9 | 4.8 | 4.4 | 5.2 | 5.7 | 6.7 | 4.7 |
| 128 Aries | 4.8 | 4.7 | 4.9 | 5.3 | 5.7 | 4.0 |
| 129 A12-10 | 4.8 | 5.1 | 4.5 | 5.0 | 6.7 | 3.3 |
| 130 A12-28 | 4.8 | 4.8 | 4.7 | 4.7 | 5.0 | 4.3 |
| 131 A05-930 | 4.8 | 5.1 | 4.5 | 4.7 | 6.7 | 5.0 |
| 132 Lunar | 4.8 | 4.9 | 4.6 | 5.0 | 3.7 | 2.3 |
| 133 PST-K9-90 | 4.8 | 4.5 | 5.1 | 5.3 | 7.3 | 7.7 |
| 134 Unigue II | 4.8 | 4.5 | 5.1 | 4.3 | 5.3 | 4.0 |
| 135 H01-938 | 4.8 | 4.8 | 4.8 | 4.7 | 2.0 | 6.3 |
| 136 PST-T10-27 | 4.8 | 5.0 | 4.5 | 5.0 | 2.3 | 3.3 |
| 137 PST-T10-28NO | 4.8 | 4.8 | 4.7 | 8.0 | 6.0 | 4.3 |
| 138 Ginney II | 4.8 | 5.2 | 4.3 | 4.0 | 4.7 | 4.3 |
| 139 P-105 | 4.8 | 5.0 | 4.6 | 5.0 | 6.0 | 3.7 |
| 140 PST-K11-128 | 4.8 | 4.5 | 5.0 | 5.7 | 6.7 | 3.0 |

(Continued)

Table 4. Kentucky bluegrass turf trial, 2012 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | Spring Green-up ² 8 April 2014 | Stemmi- ness ³ 4 June 2014 | Wear Quality ⁴ 11 Aug. 2014 |
|-----------------------|--------------------------------------|--------------|--------------|---|--|---|
| | 2013- 2014 Avg. | 2013 Avg. | 2014 Avg. | | | |
| 141 Fahrenheit 90 | 4.8 | 5.0 | 4.5 | 4.7 | 4.3 | 4.0 |
| 142 A08-2 | 4.8 | 5.2 | 4.3 | 5.0 | 3.7 | 3.0 |
| 143 A05-303 | 4.7 | 4.7 | 4.8 | 5.0 | 4.7 | 5.0 |
| 144 A12-29 | 4.7 | 5.3 | 4.2 | 4.0 | 6.3 | 2.3 |
| 145 PST-K11-120GR | 4.7 | 4.3 | 5.2 | 4.7 | 7.7 | 8.7 |
| 146 A12-8 | 4.7 | 4.9 | 4.6 | 3.7 | 4.7 | 5.7 |
| 147 PST-K10-110 | 4.7 | 4.3 | 5.1 | 5.0 | 5.0 | 4.3 |
| 148 Bandera | 4.7 | 4.8 | 4.7 | 3.0 | 5.3 | 5.7 |
| 149 A05-351 | 4.7 | 5.2 | 4.3 | 3.3 | 6.0 | 5.0 |
| 150 STR 2553 | 4.7 | 5.0 | 4.4 | 3.0 | 4.3 | 5.0 |
| 151 AKB-1812 | 4.7 | 5.1 | 4.3 | 4.3 | 4.3 | 3.3 |
| 152 A12-2 | 4.7 | 4.7 | 4.6 | 6.0 | 5.7 | 3.3 |
| 153 GS 3-09 KB | 4.7 | 4.6 | 4.8 | 4.3 | 6.0 | 6.0 |
| 154 A09-314-12OT | 4.7 | 4.8 | 4.5 | 4.7 | 4.7 | 3.3 |
| 155 Volt | 4.7 | 4.6 | 4.7 | 5.0 | 5.7 | 3.7 |
| 156 Ridgeline | 4.7 | 4.9 | 4.4 | 5.0 | 4.3 | 3.3 |
| 157 Bewitched | 4.6 | 4.9 | 4.4 | 4.7 | 6.0 | 3.7 |
| 158 Babe | 4.6 | 4.5 | 4.8 | 5.7 | 5.7 | 4.3 |
| 159 Jumpstart | 4.6 | 4.5 | 4.8 | 5.7 | 7.0 | 7.0 |
| 160 A09-353 | 4.6 | 5.1 | 4.2 | 4.0 | 6.7 | 4.7 |
| 161 Everglade | 4.6 | 5.1 | 4.1 | 3.7 | 4.0 | 3.3 |
| 162 PST-K9-101 | 4.6 | 4.9 | 4.2 | 3.7 | 5.3 | 4.0 |
| 163 Crest | 4.6 | 4.7 | 4.5 | 5.0 | 5.7 | 5.7 |
| 164 ARC | 4.6 | 4.6 | 4.6 | 6.0 | 6.7 | 3.3 |
| 165 A05-316 | 4.5 | 4.5 | 4.6 | 4.7 | 5.7 | 4.7 |
| 166 A06-671 | 4.5 | 4.5 | 4.5 | 4.7 | 6.0 | 6.0 |
| 167 Wildhorse | 4.5 | 4.4 | 4.7 | 5.3 | 6.7 | 3.3 |
| 168 ORF 10K | 4.5 | 4.6 | 4.5 | 4.5 | 6.0 | 3.5 |
| 169 A07-377 | 4.5 | 4.7 | 4.3 | 4.3 | 5.3 | 4.7 |
| 170 SPF 30 | 4.5 | 4.7 | 4.3 | 5.3 | 5.7 | 4.7 |
| 171 RAD-1216 | 4.5 | 4.7 | 4.3 | 4.3 | 5.3 | 2.7 |
| 172 A11-341 | 4.5 | 4.1 | 4.9 | 5.0 | 5.3 | 4.0 |
| 173 Ulysses | 4.5 | 4.2 | 4.8 | 5.3 | 6.3 | 6.7 |
| 174 7115P08-7 | 4.5 | 4.4 | 4.6 | 5.0 | 6.3 | 3.3 |
| 175 A06-643 | 4.5 | 3.7 | 5.2 | 4.0 | 6.7 | 7.3 |

(Continued)

Table 4. Kentucky bluegrass turf trial, 2012 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | Spring Green-up ² 8 April 2014 | Stemmi- ness ³ 4 June 2014 | Wear Quality ⁴ 11 Aug. 2014 |
|-----------------------|--------------------------------------|--------------|--------------|---|--|---|
| | 2013- 2014 Avg. | 2013 Avg. | 2014 Avg. | | | |
| 176 PST-K12-131 | 4.5 | 4.6 | 4.3 | 6.7 | 4.7 | 2.0 |
| 177 PST-K11-124 | 4.5 | 4.4 | 4.5 | 4.3 | 5.3 | 5.7 |
| 178 A05-342 | 4.5 | 5.1 | 3.9 | 5.0 | 5.7 | 2.3 |
| 179 A06-622 | 4.5 | 4.1 | 4.8 | 5.7 | 7.3 | 4.3 |
| 180 SR 2109 | 4.5 | 4.7 | 4.2 | 4.7 | 6.3 | 4.0 |
| 181 KB 2-11 | 4.5 | 4.2 | 4.7 | 5.0 | 4.3 | 4.0 |
| 182 Gaelic | 4.5 | 4.3 | 4.6 | 6.0 | 5.3 | 3.3 |
| 183 A05-999 | 4.4 | 4.4 | 4.4 | 4.3 | 4.7 | 3.0 |
| 184 Champagne | 4.4 | 4.3 | 4.5 | 5.7 | 4.3 | 4.3 |
| 185 A11-348 | 4.4 | 4.4 | 4.4 | 5.7 | 5.3 | 4.0 |
| 186 A11-344 | 4.4 | 4.1 | 4.7 | 5.3 | 5.3 | 4.0 |
| 187 A04-1271 | 4.4 | 4.4 | 4.4 | 3.3 | 5.7 | 7.3 |
| 188 PST-K8-60 | 4.4 | 4.6 | 4.1 | 5.0 | 3.0 | 1.7 |
| 189 PST-K12-134G | 4.4 | 4.4 | 4.3 | 5.3 | 5.0 | 3.0 |
| 190 America | 4.4 | 4.6 | 4.1 | 4.3 | 5.3 | 4.3 |
| 191 Milagro | 4.3 | 4.4 | 4.2 | 5.7 | 5.3 | 4.0 |
| 192 Shannon | 4.3 | 4.3 | 4.4 | 6.0 | 4.3 | 4.0 |
| 193 PST-T12-30 | 4.3 | 4.4 | 4.2 | 7.7 | 2.3 | 4.0 |
| 194 Zinfandel | 4.3 | 4.2 | 4.3 | 5.7 | 5.3 | 5.0 |
| 195 Spitfire | 4.2 | 4.1 | 4.4 | 5.0 | 5.0 | 4.7 |
| 196 A08-377 | 4.2 | 4.5 | 3.9 | 3.7 | 6.3 | 3.7 |
| 197 SPTR 2959 | 4.2 | 4.2 | 4.2 | 5.0 | 5.3 | 3.0 |
| 198 PST-K9-99FR | 4.2 | 4.6 | 3.8 | 3.7 | 6.7 | 3.3 |
| 199 A09-258 | 4.2 | 4.4 | 3.9 | 6.0 | 6.3 | 7.0 |
| 200 A12-26 | 4.1 | 4.3 | 4.0 | 5.7 | 7.0 | 1.7 |
| 201 A09-353 | 4.1 | 4.5 | 3.7 | 3.7 | 6.0 | 4.3 |
| 202 Guinness | 4.1 | 4.1 | 4.1 | 5.7 | 5.3 | 2.7 |
| 203 A11-349 | 4.1 | 3.4 | 4.7 | 5.0 | 4.3 | 3.0 |
| 204 A04-1260 | 4.1 | 4.1 | 4.0 | 4.7 | 2.3 | 3.7 |
| 205 PST-K109S | 4.1 | 3.8 | 4.3 | 4.3 | 6.3 | 4.7 |
| 206 Touchdown | 4.1 | 3.9 | 4.2 | 5.7 | 5.3 | 6.3 |
| 207 PST-K8-76NO | 4.0 | 4.2 | 3.9 | 3.3 | 7.0 | 4.7 |
| 208 PST-K9-97 | 4.0 | 3.9 | 4.2 | 5.7 | 6.7 | 5.0 |
| 209 2-09 KB | 4.0 | 3.7 | 4.3 | 5.3 | 6.3 | 2.0 |
| 210 RAD-1733 | 4.0 | 4.4 | 3.5 | 4.0 | 6.0 | 6.0 |

(Continued)

Table 4. Kentucky bluegrass turf trial, 2012 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | | Spring Green-up ² 8 April 2014 | Stemmi- ness ³ 4 June 2014 | Wear Quality ⁴ 11 Aug. 2014 |
|-----------------------|--------------------------------------|--------------|--------------|---|--|---|
| | 2013- 2014 Avg. | 2013 Avg. | 2014 Avg. | | | |
| 211 Bordeaux | 4.0 | 4.1 | 3.8 | 5.0 | 4.7 | 3.7 |
| 212 Cadet | 3.5 | 3.6 | 3.5 | 5.3 | 4.0 | 3.7 |
| 213 Blue Ghost | 3.4 | 3.4 | 3.4 | 5.7 | 5.7 | 2.7 |
| 214 Action | 3.3 | 3.6 | 3.1 | 7.7 | 4.7 | 2.0 |
| 215 Camas | 3.0 | 3.0 | 3.0 | 8.0 | 2.3 | 3.0 |
| 216 GO-12R5-7 | 2.6 | 2.3 | 2.9 | 5.7 | 4.3 | 2.0 |
| 217 RAD-860 | 1.4 | 1.1 | 1.6 | 4.7 | 4.0 | 1.3 |
| 218 RAD-1214 | 1.2 | 1.1 | 1.3 | 4.7 | 4.0 | 1.7 |
| LSD at 5% = | 0.6 | 0.7 | 0.8 | 1.0 | 1.3 | 2.1 |

¹9 = best turf quality

²9 = best spring green-up

³9 = lowest stem count

⁴9 = highest wear quality

Table 5. Performance of Kentucky bluegrass cultivars and selections in a low maintenance trial seeded in September 2012 at North Brunswick, NJ.

| Cultivar or Selection | -----Turf Quality ¹ ----- | | |
|-----------------------|--------------------------------------|-----------|-----------|
| | 2013-2014 Avg. | 2013 Avg. | 2014 Avg. |
| 1 Pick 033 | 7.2 | 7.1 | 7.2 |
| 2 A10-280 TBH | 7.2 | 7.2 | 7.1 |
| 3 A04-383 | 7.1 | 7.0 | 7.1 |
| 4 Impact | 6.6 | 6.2 | 7.0 |
| 5 A03-3 | 6.5 | 6.5 | 6.6 |
| 6 A96-1338 | 6.5 | 6.4 | 6.7 |
| 7 A03-1017 | 6.5 | 6.3 | 6.8 |
| 8 A12-38 | 6.5 | 6.7 | 6.3 |
| 9 Beyond | 6.4 | 6.4 | 6.5 |
| 10 Solar Eclipse | 6.3 | 6.7 | 6.0 |
| 11 2683-10K | 6.3 | 6.2 | 6.3 |
| 12 Liberator | 6.2 | 6.5 | 5.9 |
| 13 Diva | 6.2 | 6.6 | 5.9 |
| 14 A05-360 | 6.2 | 6.0 | 6.4 |
| 15 A09-258 | 6.2 | 6.2 | 6.2 |
| 16 Legend | 6.1 | 6.5 | 5.7 |
| 17 K11-118 | 6.1 | 5.9 | 6.4 |
| 18 GO-12R24-25 | 6.1 | 6.0 | 6.3 |
| 19 Midnight | 6.1 | 6.6 | 5.6 |
| 20 Granite | 6.1 | 5.9 | 6.3 |
| 21 A99-2031 | 6.1 | 6.3 | 5.9 |
| 22 K10-111 | 6.0 | 5.6 | 6.5 |
| 23 A11-26 GD200xOP | 6.0 | 5.5 | 6.6 |
| 24 Fahrenheit 90 | 6.0 | 6.1 | 5.9 |
| 25 T10-18 TBH | 6.0 | 6.0 | 6.1 |
| 26 A05-853 | 6.0 | 5.8 | 6.2 |
| 27 A07-783 | 6.0 | 5.6 | 6.3 |
| 28 NuDestiny | 5.9 | 5.9 | 5.9 |
| 29 Blue Chip | 5.9 | 6.3 | 5.5 |
| 30 A04-69 | 5.9 | 5.8 | 6.1 |
| 31 Everest | 5.9 | 5.6 | 6.2 |
| 32 STR 2553 | 5.8 | 6.4 | 5.2 |
| 33 A04-1260 | 5.8 | 6.2 | 5.5 |
| 34 Bewitched | 5.8 | 6.1 | 5.5 |
| 35 GO-12R26-28 | 5.8 | 5.5 | 6.1 |

(Continued)

Table 5. Kentucky bluegrass low-maintenance turf trial, 2012 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | |
|-----------------------|--------------------------------------|-----------|-----------|
| | 2013-2014 Avg. | 2013 Avg. | 2014 Avg. |
| 36 Rush | 5.8 | 5.8 | 5.9 |
| 37 Award | 5.8 | 5.9 | 5.7 |
| 38 A12-40 TBH | 5.8 | 5.3 | 6.3 |
| 39 A00-4199 | 5.8 | 5.4 | 6.1 |
| 40 Diva | 5.7 | 5.8 | 5.8 |
| 41 A99-2897 | 5.7 | 6.3 | 5.2 |
| 42 Quantum Leap | 5.7 | 5.7 | 5.9 |
| 43 A05-853 | 5.7 | 5.3 | 6.2 |
| 44 Blue Velvet | 5.7 | 5.4 | 6.0 |
| 45 AKB 1812 | 5.7 | 5.7 | 5.7 |
| 46 GO-12R8-12 | 5.7 | 5.5 | 5.8 |
| 47 Midnight II | 5.7 | 6.0 | 5.3 |
| 48 A06-33 | 5.7 | 5.9 | 5.4 |
| 49 NuGlade | 5.6 | 5.4 | 5.9 |
| 50 GO-12R22B-23 | 5.6 | 5.3 | 5.9 |
| 51 Blue Note | 5.6 | 5.8 | 5.3 |
| 52 DDOKM | 5.6 | 6.4 | 4.9 |
| 53 K12-129 | 5.6 | 5.5 | 5.6 |
| 54 AKB 1820 | 5.6 | 5.8 | 5.4 |
| 55 A98-1001 | 5.5 | 5.8 | 5.2 |
| 56 Ariel | 5.5 | 5.5 | 5.6 |
| 57 SR 2284 | 5.5 | 5.6 | 5.4 |
| 58 Touche | 5.5 | 5.1 | 5.9 |
| 59 A99-2758 | 5.5 | 5.2 | 5.8 |
| 60 A10-249 | 5.5 | 5.9 | 5.0 |
| 61 Bewitched | 5.4 | 5.6 | 5.3 |
| 62 Hampton | 5.4 | 5.4 | 5.4 |
| 63 A04-1271 | 5.4 | 5.0 | 5.8 |
| 64 Prosperity | 5.4 | 5.6 | 5.1 |
| 65 Babe | 5.4 | 5.3 | 5.5 |
| 66 Right | 5.4 | 5.9 | 4.9 |
| 67 A12-7 | 5.4 | 5.1 | 5.6 |
| 68 A09-231 | 5.3 | 5.0 | 5.6 |
| 69 Washington II | 5.3 | 5.0 | 5.6 |
| 70 Gaelic | 5.3 | 5.6 | 5.0 |

(Continued)

Table 5. Kentucky bluegrass low-maintenance turf trial, 2012 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | |
|-----------------------|--------------------------------------|-----------|-----------|
| | 2013-2014 Avg. | 2013 Avg. | 2014 Avg. |
| 71 Mercury | 5.3 | 5.8 | 4.8 |
| 72 A12-37 | 5.3 | 5.3 | 5.3 |
| 73 H06-596 | 5.3 | 5.1 | 5.5 |
| 74 A12-34 | 5.2 | 5.1 | 5.3 |
| 75 A07-378 | 5.2 | 4.8 | 5.7 |
| 76 H06-671 TBH | 5.2 | 5.1 | 5.4 |
| 77 Ginney II | 5.2 | 5.1 | 5.3 |
| 78 H99-1653 | 5.2 | 5.1 | 5.4 |
| 79 06-10005 | 5.2 | 4.5 | 5.9 |
| 80 Fullback | 5.2 | 5.4 | 5.0 |
| 81 Freedom III | 5.1 | 4.9 | 5.4 |
| 82 Wildwood | 5.1 | 4.7 | 5.6 |
| 83 K10-107 | 5.1 | 4.6 | 5.7 |
| 84 Nobel | 5.1 | 5.6 | 4.6 |
| 85 T10-22-BS TBH | 5.1 | 4.9 | 5.3 |
| 86 A09-314-120T | 5.1 | 5.4 | 4.8 |
| 87 A12-57 TBH | 5.1 | 4.3 | 5.9 |
| 88 Sudden Impact | 5.1 | 4.8 | 5.4 |
| 89 A12-5 | 5.1 | 5.0 | 5.1 |
| 90 Prosperity | 5.0 | 4.7 | 5.4 |
| 91 K9-96 | 5.0 | 5.1 | 5.0 |
| 92 Rugby II | 4.9 | 4.2 | 5.7 |
| 93 Unique II | 4.9 | 5.8 | 4.1 |
| 94 K12-132 | 4.9 | 3.9 | 6.0 |
| 95 Jump Start | 4.9 | 4.7 | 5.1 |
| 96 A05-316 | 4.9 | 5.3 | 4.6 |
| 97 A04-1381 | 4.9 | 4.7 | 5.2 |
| 98 A12-3 | 4.9 | 4.9 | 4.9 |
| 99 A05-303 | 4.9 | 5.4 | 4.5 |
| 100 A05-312 | 4.9 | 4.8 | 5.1 |
| 101 A12-30 | 4.9 | 4.7 | 5.1 |
| 102 A12-10 | 4.9 | 5.4 | 4.3 |
| 103 Wildhorse | 4.8 | 5.0 | 4.6 |
| 104 K11-123 | 4.8 | 4.5 | 5.0 |
| 105 DKH | 4.8 | 5.7 | 4.0 |

(Continued)

Table 5. Kentucky bluegrass low-maintenance turf trial, 2012 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | |
|-----------------------|--------------------------------------|-----------|-----------|
| | 2013-2014 Avg. | 2013 Avg. | 2014 Avg. |
| 106 A12-28 | 4.8 | 4.3 | 5.3 |
| 107 K11-126 | 4.8 | 4.8 | 4.8 |
| 108 3-11 KB | 4.8 | 4.9 | 4.7 |
| 109 NuBlue Plus | 4.7 | 4.5 | 5.0 |
| 110 K10-106D | 4.7 | 4.6 | 4.9 |
| 111 Ridgeline | 4.7 | 5.0 | 4.4 |
| 112 A12-55 TBH | 4.7 | 4.0 | 5.3 |
| 113 P-105 | 4.6 | 4.3 | 5.1 |
| 114 A04-74 | 4.6 | 4.9 | 4.4 |
| 115 K11-122 | 4.6 | 4.2 | 5.1 |
| 116 A04-35 | 4.6 | 4.8 | 4.5 |
| 117 Arc | 4.6 | 4.4 | 4.9 |
| 118 A08-2 | 4.6 | 5.2 | 4.0 |
| 119 America | 4.6 | 4.6 | 4.6 |
| 120 Krypton | 4.6 | 4.4 | 4.7 |
| 121 A12-36 | 4.6 | 5.3 | 3.8 |
| 122 Zinfandel | 4.5 | 3.8 | 5.3 |
| 123 A05-342 | 4.5 | 4.8 | 4.3 |
| 124 A06-671 | 4.5 | 3.4 | 5.7 |
| 125 A12-2 | 4.5 | 4.8 | 4.3 |
| 126 Volt | 4.5 | 4.5 | 4.6 |
| 127 H01-938 | 4.5 | 4.0 | 5.0 |
| 128 H94-643 | 4.5 | 4.2 | 4.9 |
| 129 Mallard | 4.5 | 4.9 | 4.1 |
| 130 Crest | 4.5 | 4.5 | 4.4 |
| 131 SPTR 2959 | 4.5 | 4.3 | 4.7 |
| 132 A12-33 | 4.5 | 4.8 | 4.2 |
| 133 Everglade | 4.4 | 3.9 | 5.0 |
| 134 KB 4-11 | 4.4 | 4.5 | 4.4 |
| 135 Champagne | 4.4 | 3.9 | 5.0 |
| 136 Endurance | 4.4 | 4.3 | 4.5 |
| 137 A12-8 | 4.4 | 4.2 | 4.6 |
| 138 A12-35 | 4.4 | 4.6 | 4.1 |
| 139 Arrowhead | 4.3 | 4.0 | 4.7 |
| 140 K10-110 | 4.3 | 4.4 | 4.3 |

(Continued)

Table 5. Kentucky bluegrass low-maintenance turf trial, 2012 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | |
|-----------------------|--------------------------------------|-----------|-----------|
| | 2013-2014 Avg. | 2013 Avg. | 2014 Avg. |
| 141 A12-9 | 4.3 | 4.1 | 4.6 |
| 142 A11-348 TBH | 4.3 | 3.9 | 4.8 |
| 143 A06-30 | 4.3 | 4.1 | 4.6 |
| 144 Zinger | 4.3 | 4.3 | 4.3 |
| 145 A12-6 | 4.3 | 4.7 | 3.9 |
| 146 T12-31 TBH | 4.3 | 3.7 | 4.9 |
| 147 Baron | 4.3 | 4.2 | 4.4 |
| 148 A12-54 TBH | 4.3 | 3.4 | 5.3 |
| 149 A09-353 | 4.2 | 4.1 | 4.4 |
| 150 Shannon | 4.2 | 3.9 | 4.5 |
| 151 A09-353 | 4.2 | 4.0 | 4.5 |
| 152 Armada | 4.2 | 4.4 | 4.1 |
| 153 T10-17 TBH | 4.1 | 3.5 | 4.7 |
| 154 A12-50 TBH | 4.1 | 3.6 | 4.7 |
| 155 4-Season | 4.1 | 3.5 | 4.7 |
| 156 Cabernet | 4.1 | 3.6 | 4.6 |
| 157 Guinness | 4.1 | 3.9 | 4.2 |
| 158 A12-27 | 4.1 | 3.6 | 4.6 |
| 159 Bordeaux | 4.1 | 3.6 | 4.5 |
| 160 RAD-861 | 4.1 | 3.9 | 4.2 |
| 161 K8-66 | 4.1 | 4.4 | 3.7 |
| 162 A12-26 | 4.1 | 4.8 | 3.4 |
| 163 A12-49 TBH | 4.1 | 3.9 | 4.2 |
| 164 A08-377 | 4.1 | 4.0 | 4.2 |
| 165 K9-97 | 4.0 | 4.1 | 4.0 |
| 166 T10-28NO TBH | 4.0 | 3.5 | 4.5 |
| 167 PSG 2677 TBH | 4.0 | 3.6 | 4.4 |
| 168 Lunar | 4.0 | 4.0 | 4.0 |
| 169 Crest 5K-11 | 4.0 | 4.1 | 3.9 |
| 170 A12-32 | 4.0 | 4.6 | 3.4 |
| 171 Bandera | 4.0 | 3.8 | 4.2 |
| 172 A05TB-459 TBH | 4.0 | 3.4 | 4.5 |
| 173 A12-39 TBH | 4.0 | 3.6 | 4.4 |
| 174 A12-53 TBH | 3.9 | 3.6 | 4.3 |
| 175 SPF 30 | 3.9 | 3.9 | 3.9 |

(Continued)

Table 5. Kentucky bluegrass low-maintenance turf trial, 2012 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | |
|-----------------------|--------------------------------------|-----------|-----------|
| | 2013-2014 Avg. | 2013 Avg. | 2014 Avg. |
| 176 RAD-1776 | 3.9 | 4.0 | 3.8 |
| 177 A07-377 | 3.9 | 3.4 | 4.4 |
| 178 K12-133G | 3.9 | 3.9 | 3.9 |
| 179 Crest 5K-12 | 3.9 | 3.6 | 4.1 |
| 180 7115P08-7 | 3.9 | 4.0 | 3.7 |
| 181 A12-1 | 3.9 | 4.0 | 3.7 |
| 182 Milagro | 3.8 | 3.5 | 4.1 |
| 183 K11-124 | 3.8 | 3.6 | 4.1 |
| 184 A05-351 | 3.8 | 3.4 | 4.4 |
| 185 A07-5 | 3.8 | 3.1 | 4.6 |
| 186 K11-120GR | 3.8 | 3.3 | 4.3 |
| 187 A12-4 | 3.8 | 3.0 | 4.6 |
| 188 A12-31 | 3.8 | 3.3 | 4.4 |
| 189 Shiraz | 3.7 | 3.3 | 4.2 |
| 190 Pick TD8 | 3.7 | 3.8 | 3.6 |
| 191 A05-361 | 3.7 | 3.5 | 4.0 |
| 192 A06-643 | 3.7 | 3.1 | 4.3 |
| 193 K11-117G | 3.7 | 3.6 | 3.7 |
| 194 Touchdown | 3.7 | 3.3 | 4.1 |
| 195 A05-940 | 3.7 | 3.1 | 4.2 |
| 196 A12-56 TBH | 3.6 | 2.9 | 4.4 |
| 197 K11-125 | 3.6 | 3.6 | 3.5 |
| 198 A12-42 TBH | 3.5 | 2.8 | 4.2 |
| 199 K8-60 | 3.5 | 3.3 | 3.8 |
| 200 Kingfisher | 3.5 | 3.1 | 3.9 |
| 201 A11-349 TBH | 3.5 | 3.1 | 3.9 |
| 202 A12-48 TBH | 3.5 | 3.4 | 3.6 |
| 203 SR2109 5K | 3.4 | 3.0 | 3.9 |
| 204 ORF-10K | 3.4 | 3.0 | 3.7 |
| 205 A12-29 | 3.4 | 3.4 | 3.3 |
| 206 A05-930 | 3.4 | 3.0 | 3.8 |
| 207 K9-99FR | 3.3 | 3.3 | 3.4 |
| 208 Ulysses | 3.3 | 2.7 | 4.1 |
| 209 A05-999 | 3.3 | 2.6 | 4.1 |
| 210 A12-47 TBH | 3.3 | 2.6 | 4.1 |

(Continued)

Table 5. Kentucky bluegrass low-maintenance turf trial, 2012 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | |
|-----------------------|--------------------------------------|-----------|-----------|
| | 2013-2014 Avg. | 2013 Avg. | 2014 Avg. |
| 211 K9-90 | 3.3 | 3.4 | 3.2 |
| 212 GS 3-09 | 3.3 | 3.1 | 3.4 |
| 213 K9-101 | 3.2 | 3.5 | 2.9 |
| 214 A06-622 | 3.2 | 2.6 | 3.8 |
| 215 A05-930 | 3.1 | 2.4 | 3.9 |
| 216 SR2109 | 3.1 | 2.9 | 3.2 |
| 217 Action | 3.0 | 2.7 | 3.4 |
| 218 RAD-1733 | 3.0 | 2.4 | 3.8 |
| 219 K8-76NO | 3.0 | 2.8 | 3.3 |
| 220 K10-109S | 3.0 | 2.8 | 3.3 |
| 221 RAD-1216 | 3.0 | 2.4 | 3.5 |
| 222 RAD-860 | 3.0 | 2.4 | 3.5 |
| 223 2-09 KB | 3.0 | 2.7 | 3.2 |
| 224 T10-27 TBH | 2.9 | 2.8 | 3.1 |
| 225 K11-127G | 2.9 | 3.0 | 2.9 |
| 226 A12-45 TBH | 2.9 | 2.4 | 3.6 |
| 227 A12-44 TBH | 2.9 | 2.5 | 3.3 |
| 228 A12-58 | 2.9 | 2.3 | 3.5 |
| 229 A04-1242 | 2.9 | 3.4 | 2.4 |
| 230 A12-51 TBH | 2.9 | 2.3 | 3.5 |
| 231 A11-341 TBH | 2.8 | 2.5 | 3.1 |
| 232 A12-41TBH | 2.8 | 2.2 | 3.5 |
| 233 A12-52 TBH | 2.8 | 2.2 | 3.5 |
| 234 Blue Ghost | 2.8 | 2.7 | 2.9 |
| 235 K9-88 | 2.8 | 2.8 | 2.7 |
| 236 KB 2-11 | 2.8 | 2.4 | 3.1 |
| 237 Spitfire | 2.7 | 2.4 | 3.0 |
| 238 RAD-926 | 2.7 | 2.0 | 3.4 |
| 239 TD 5-JP08 | 2.7 | 2.4 | 3.0 |
| 240 Cadet | 2.6 | 2.6 | 2.7 |
| 241 RAD-1214 | 2.6 | 2.2 | 3.1 |
| 242 A12-11 | 2.6 | 2.1 | 3.2 |
| 243 K12-134G | 2.6 | 2.2 | 3.0 |
| 244 A11-344 TBH | 2.5 | 2.2 | 2.9 |
| 245 GO-12R5-7 | 2.3 | 1.9 | 2.8 |

(Continued)

Table 5. Kentucky bluegrass low-maintenance turf trial, 2012 (continued).

| Cultivar or Selection | -----Turf Quality ¹ ----- | | |
|-----------------------|--------------------------------------|-----------|-----------|
| | 2013-2014 Avg. | 2013 Avg. | 2014 Avg. |
| 246 Camas | 2.3 | 2.0 | 2.6 |
| 247 366JP08-2 | 2.3 | 2.1 | 2.5 |
| 248 A12-43 TBH | 2.3 | 1.7 | 2.9 |
| 249 T12-30 TBH | 2.2 | 2.3 | 2.2 |
| 250 A12-46 TBH | 2.0 | 1.5 | 2.4 |
| LSD at 5%= | 1.2 | 1.5 | 1.3 |

¹9 = best turf quality

Table 6. Performance of Kentucky bluegrass cultivars and selections in a trial seeded in September 2013 at Adelphia, NJ.

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Establishment ² 18 Oct. 2013 |
|-----------------------|---|---|
| 1 Prosperity | 6.8 | 7.0 |
| 2 103-585 | 6.8 | 7.7 |
| 3 Greenstar | 6.8 | 7.0 |
| 4 Prafin | 6.7 | 8.3 |
| 5 KB11-6 | 6.6 | 8.0 |
| 6 A06-46 | 6.5 | 7.0 |
| 7 Impact | 6.4 | 8.0 |
| 8 KB11-28 | 6.4 | 6.7 |
| 9 A03-3957 | 6.4 | 5.0 |
| 10 Pick 033 | 6.3 | 8.0 |
| 11 Gladstone | 6.3 | 4.7 |
| 12 A00-1400 | 6.2 | 6.7 |
| 13 Quantum Leap | 6.2 | 7.3 |
| 14 SRX 4338 | 6.2 | 5.7 |
| 15 Diva | 6.2 | 5.7 |
| 16 A05-361 | 6.2 | 5.7 |
| 17 Bewitched | 6.2 | 7.5 |
| 18 NuGlade | 6.1 | 8.0 |
| 19 A06-1053 | 6.1 | 6.7 |
| 20 Award | 6.1 | 8.0 |
| 21 Everest | 6.1 | 7.3 |
| 22 A04-49 | 6.1 | 7.3 |
| 23 KB11-31 | 6.1 | 7.0 |
| 24 SRX 5321 | 6.1 | 8.0 |
| 25 SRX 466 | 6.1 | 8.0 |
| 26 A07-783 | 6.0 | 5.7 |
| 27 A06-8 | 6.0 | 4.7 |
| 28 A12-30 | 6.0 | 6.0 |
| 29 KB11-4 | 6.0 | 6.3 |
| 30 Bluechip Plus | 5.9 | 6.7 |
| 31 Madison | 5.9 | 6.7 |
| 32 Lunar | 5.9 | 6.3 |
| 33 NuDestiny | 5.9 | 6.7 |
| 34 A04-67 | 5.9 | 7.7 |
| 35 A12-38 | 5.9 | 6.3 |

(Continued)

Table 6. Kentucky bluegrass turf trial, 2013 (continued).

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Establishment ² 18 Oct. 2013 |
|-----------------------|---|---|
| 36 PST-K11-125 | 5.9 | 4.3 |
| 37 PST-T13-33 | 5.9 | 6.7 |
| 38 Midnight | 5.9 | 6.7 |
| 39 A98-1001 | 5.9 | 7.0 |
| 40 A11-52 | 5.9 | 5.0 |
| 41 A07-1230 | 5.9 | 5.3 |
| 42 Liberator | 5.8 | 7.0 |
| 43 KB11-32 | 5.8 | 6.3 |
| 44 Mystere | 5.8 | 7.7 |
| 45 PST-K13-141 | 5.8 | 7.7 |
| 46 Right | 5.8 | 7.3 |
| 47 PST-K12-130 | 5.8 | 7.3 |
| 48 A09-305 | 5.8 | 6.3 |
| 49 PST-K10-106D | 5.8 | 6.0 |
| 50 RAD-2154 | 5.8 | 7.0 |
| 51 Avalanche | 5.8 | 7.7 |
| 52 Hampton | 5.8 | 7.0 |
| 53 A07-1248 | 5.8 | 6.7 |
| 54 A04-46 | 5.7 | 6.3 |
| 55 Arrowhead | 5.7 | 7.0 |
| 56 TD7-08 | 5.7 | 6.7 |
| 57 RAD-848 | 5.7 | 5.7 |
| 58 A07-782 | 5.7 | 5.0 |
| 59 A13-13 | 5.7 | 5.3 |
| 60 PST-K11-118 | 5.7 | 5.7 |
| 61 PST-K13-138 | 5.7 | 5.7 |
| 62 GO-2628KBG | 5.7 | 6.0 |
| 63 366-6-JP08 | 5.7 | 6.7 |
| 64 TD-2-JP08 | 5.7 | 6.0 |
| 65 A10-241 | 5.7 | 5.3 |
| 66 PST-K13-139 | 5.6 | 6.7 |
| 67 Endurance | 5.6 | 6.0 |
| 68 Shiraz | 5.6 | 6.0 |
| 69 SRX 2758 | 5.6 | 6.7 |
| 70 A09-231 | 5.6 | 6.0 |

(Continued)

Table 6. Kentucky bluegrass turf trial, 2013 (continued).

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Establishment ² 18 Oct. 2013 |
|-----------------------|---|---|
| 71 A05-321 | 5.6 | 6.3 |
| 72 PST-K10-107 | 5.6 | 5.0 |
| 73 KB11-30 | 5.6 | 6.7 |
| 74 H99-1653 | 5.6 | 7.3 |
| 75 Apollo | 5.6 | 7.0 |
| 76 Touche | 5.6 | 7.3 |
| 77 A00-4199 | 5.6 | 6.3 |
| 78 A12-33 | 5.6 | 5.0 |
| 79 A12-37 | 5.6 | 5.3 |
| 80 Midnight II | 5.6 | 7.7 |
| 81 Rugby II | 5.6 | 7.0 |
| 82 A07-21 | 5.6 | 6.0 |
| 83 Midnight | 5.5 | 6.7 |
| 84 Moonlight SLT | 5.5 | 6.7 |
| 85 SPF 30 | 5.5 | 8.7 |
| 86 Everglade | 5.5 | 7.3 |
| 87 4 Season | 5.5 | 4.7 |
| 88 TD5JP08 | 5.5 | 6.3 |
| 89 A13-20 | 5.5 | 6.0 |
| 90 Nublu Plus | 5.5 | 7.3 |
| 91 A04-383 | 5.5 | 7.0 |
| 92 A13-12 | 5.5 | 3.7 |
| 93 PST-T12-31 | 5.5 | 6.7 |
| 94 Bedazzled | 5.5 | 7.7 |
| 95 A07-393 | 5.5 | 7.0 |
| 96 A06-08 | 5.5 | 5.0 |
| 97 PST-K13-136 | 5.4 | 6.3 |
| 98 PST-K12-133G | 5.4 | 7.3 |
| 99 J-1136 | 5.4 | 7.3 |
| 100 Crest 5K10 | 5.4 | 7.0 |
| 101 Pick 4340 | 5.4 | 4.7 |
| 102 PST-T10-17 | 5.4 | 7.3 |
| 103 RAD-1409 | 5.4 | 6.0 |
| 104 Fullback | 5.4 | 4.3 |
| 105 Bluenote | 5.4 | 6.3 |

(Continued)

Table 6. Kentucky bluegrass turf trial, 2013 (continued).

| Cultivar or Selection | Turf Quality ¹ | Establishment ² |
|-----------------------|---------------------------|----------------------------|
| | 2014 Avg. | 18 Oct. 2013 |
| 106 Ginney II | 5.4 | 7.3 |
| 107 A09-258 | 5.4 | 7.3 |
| 108 A06-33 | 5.4 | 6.7 |
| 109 PST-T10-22-BS | 5.4 | 6.3 |
| 110 RAD-1371 | 5.4 | 4.7 |
| 111 A06-11 | 5.4 | 5.3 |
| 112 A07-1247 | 5.4 | 5.3 |
| 113 A13-5 | 5.4 | 5.0 |
| 114 A13-4 | 5.3 | 6.0 |
| 115 A13-11 | 5.3 | 4.3 |
| 116 Juliet | 5.3 | 8.0 |
| 117 A05-342 | 5.3 | 5.7 |
| 118 KB11-24 | 5.3 | 6.7 |
| 119 DDOKM | 5.3 | 5.7 |
| 120 A99-3122 | 5.3 | 5.3 |
| 121 A06-40 | 5.3 | 5.0 |
| 122 A12-29 | 5.3 | 6.3 |
| 123 A05TB-258 | 5.3 | 3.3 |
| 124 A13-10 | 5.3 | 5.0 |
| 125 A06-632 | 5.3 | 7.0 |
| 126 Moonshadow | 5.3 | 5.0 |
| 127 Crest 5K-12 | 5.3 | 5.3 |
| 128 A13-304 | 5.3 | 3.7 |
| 129 Babe | 5.3 | 6.7 |
| 130 PST-K11-123 | 5.3 | 7.0 |
| 131 Gaelic | 5.3 | 6.0 |
| 132 Avaitor | 5.3 | 6.3 |
| 133 A12-7 | 5.3 | 5.7 |
| 134 Merlot | 5.3 | 6.3 |
| 135 A01-1789 | 5.3 | 6.3 |
| 136 A13-17 | 5.2 | 5.3 |
| 137 PST-K10-111 | 5.2 | 5.7 |
| 138 11-520 | 5.2 | 5.7 |
| 139 RAD-507 | 5.2 | 6.0 |
| 140 A06-2 | 5.2 | 5.0 |

(Continued)

Table 6. Kentucky bluegrass turf trial, 2013 (continued).

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Establishment ² 18 Oct. 2013 |
|-----------------------|---|---|
| 141 Malbec | 5.2 | 7.3 |
| 142 A04-38 | 5.2 | 5.7 |
| 143 A98-344 | 5.2 | 6.7 |
| 144 A04-14 | 5.2 | 8.7 |
| 145 A12-28 | 5.2 | 6.0 |
| 146 A13-3 | 5.2 | 5.0 |
| 147 PST-K8-66 | 5.2 | 7.3 |
| 148 A11-28 | 5.2 | 6.3 |
| 149 A10-247 | 5.2 | 6.3 |
| 150 Rubicon | 5.2 | 4.0 |
| 151 Champagne | 5.2 | 6.0 |
| 152 PST-K10-110 | 5.1 | 5.3 |
| 153 PST-K13-142 | 5.1 | 5.7 |
| 154 PST-T10-18 | 5.1 | 8.0 |
| 155 Blue Sapphire | 5.1 | 8.3 |
| 156 KB11-18 | 5.1 | 6.3 |
| 157 A09-353 | 5.1 | 7.0 |
| 158 A13-15 | 5.1 | 4.7 |
| 159 A13-19 | 5.1 | 5.3 |
| 160 PST-K7-29 | 5.1 | 5.7 |
| 161 Washington II | 5.1 | 6.3 |
| 162 Bandera | 5.1 | 6.0 |
| 163 A99-320 | 5.1 | 6.3 |
| 164 A13-7 | 5.1 | 5.0 |
| 165 A13-21 | 5.1 | 5.7 |
| 166 PST-K13-137 | 5.1 | 6.7 |
| 167 PST-T11-29G | 5.1 | 6.7 |
| 168 GO-2425KBG | 5.1 | 5.0 |
| 169 KB11-17 | 5.1 | 5.3 |
| 170 H99-163 | 5.1 | 4.3 |
| 171 Jump Start | 5.0 | 7.7 |
| 172 RAD-1377 | 5.0 | 6.3 |
| 173 P-105 | 5.0 | 6.7 |
| 174 PICK MP07 | 5.0 | 7.3 |
| 175 A05-347 | 5.0 | 5.5 |

(Continued)

Table 6. Kentucky bluegrass turf trial, 2013 (continued).

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Establishment ² 18 Oct. 2013 |
|-----------------------|---|---|
| 176 A13-8 | 5.0 | 4.7 |
| 177 RAD-1427 | 5.0 | 5.0 |
| 178 A12-8 | 5.0 | 4.0 |
| 179 STR 2553 | 5.0 | 6.3 |
| 180 A05-351 | 5.0 | 5.7 |
| 181 A04-1381 | 5.0 | 5.7 |
| 182 A05-1405 | 5.0 | 3.7 |
| 183 A07-385 | 5.0 | 7.5 |
| 184 PST-K9-96 | 4.9 | 6.3 |
| 185 Blue Coat | 4.9 | 4.3 |
| 186 KB11-45 | 4.9 | 7.0 |
| 187 Legend | 4.9 | 6.0 |
| 188 A13-1 | 4.9 | 3.7 |
| 189 A13-22 | 4.9 | 4.3 |
| 190 PST-K9-88 | 4.9 | 4.7 |
| 191 RAD-1404 | 4.9 | 5.7 |
| 192 11-526 | 4.9 | 5.7 |
| 193 KB11-46 | 4.9 | 6.0 |
| 194 A11-30 | 4.9 | 4.0 |
| 195 PST-K13-135 | 4.9 | 6.0 |
| 196 PST-T13-32 | 4.9 | 5.3 |
| 197 Midnight Star | 4.9 | 8.7 |
| 198 GO-22B23KBG | 4.9 | 5.0 |
| 199 Arc | 4.9 | 5.3 |
| 200 Argos | 4.9 | 5.7 |
| 201 SR 2284 | 4.9 | 6.0 |
| 202 A10-238 | 4.9 | 5.3 |
| 203 A13-2 | 4.8 | 4.0 |
| 204 11-511 | 4.8 | 5.0 |
| 205 Shannon | 4.8 | 7.3 |
| 206 Black Jack | 4.8 | 6.0 |
| 207 Milagro | 4.8 | 7.0 |
| 208 Wildhorse | 4.8 | 6.0 |
| 209 A08-2 | 4.8 | 5.0 |
| 210 A12-3 | 4.8 | 5.0 |

(Continued)

Table 6. Kentucky bluegrass turf trial, 2013 (continued).

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Establishment ² 18 Oct. 2013 |
|-----------------------|---|---|
| 211 A12-1 | 4.8 | 6.0 |
| 212 KB11-22 | 4.8 | 7.0 |
| 213 A12-31 | 4.8 | 5.7 |
| 214 PST-K11-124 | 4.8 | 6.7 |
| 215 PST-K9-97 | 4.8 | 4.7 |
| 216 RAD-KCC4L | 4.8 | 5.3 |
| 217 Rubix | 4.8 | 4.7 |
| 218 Aries | 4.8 | 5.7 |
| 219 A12-26 | 4.8 | 5.0 |
| 220 A13-14 | 4.7 | 1.7 |
| 221 PST-K12-132 | 4.7 | 4.7 |
| 222 Blueberry | 4.7 | 6.7 |
| 223 3925 | 4.7 | 4.7 |
| 224 Spitfire | 4.7 | 6.7 |
| 225 A05-316 | 4.7 | 6.0 |
| 226 A13-16 | 4.7 | 6.0 |
| 227 A13-18 | 4.7 | 5.0 |
| 228 KB11-10 | 4.7 | 7.3 |
| 229 Bonaire | 4.7 | 7.0 |
| 230 Brooklawn | 4.7 | 6.0 |
| 231 Dauntless | 4.7 | 6.0 |
| 232 RAD-1405 | 4.6 | 7.0 |
| 233 A04-1260 | 4.6 | 5.0 |
| 234 Corsair | 4.6 | 5.7 |
| 235 Volt | 4.6 | 7.3 |
| 236 PSG A12-2 | 4.6 | 6.0 |
| 237 A04-13 | 4.6 | 9.0 |
| 238 PST-K12-134G | 4.6 | 6.0 |
| 239 Bluestar | 4.5 | 6.3 |
| 240 4-11KB | 4.5 | 5.0 |
| 241 Mercury | 4.5 | 5.3 |
| 242 PST-K13-143 | 4.5 | 3.7 |
| 243 PST-PP-48431-10 | 4.5 | 9.0 |
| 244 Crest | 4.5 | 7.3 |
| 245 PST-K8-76NO | 4.4 | 5.7 |

(Continued)

Table 6. Kentucky bluegrass turf trial, 2013 (continued).

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Establishment ² 18 Oct. 2013 |
|-----------------------|---|---|
| 246 A06-3 | 4.4 | 4.7 |
| 247 Guinness | 4.4 | 7.0 |
| 248 SR 2100 | 4.4 | 5.3 |
| 249 Touchdown | 4.4 | 4.7 |
| 250 Pick TD8 | 4.4 | 6.0 |
| 251 A12-34 | 4.4 | 3.0 |
| 252 PST-101-362 | 4.3 | 5.0 |
| 253 GS 3-09 | 4.3 | 5.3 |
| 254 Waterworks | 4.2 | 4.3 |
| 255 A05-344 | 4.2 | 4.7 |
| 256 KB11-47 | 4.2 | 3.3 |
| 257 PST-K8-60 | 4.1 | 3.0 |
| 258 PST-T13-34 | 4.1 | 3.3 |
| 259 RAD-1776 | 4.1 | 4.7 |
| 260 America | 4.0 | 5.7 |
| 261 11-672 | 4.0 | 4.3 |
| 262 Noble | 4.0 | 7.3 |
| 263 12-0038 | 4.0 | 4.3 |
| 264 A10-873 | 4.0 | 6.3 |
| 265 11-583 | 3.9 | 5.0 |
| 266 KB11-36 | 3.9 | 5.3 |
| 267 A05TB-275 | 3.9 | 4.3 |
| 268 Fielder | 3.9 | 4.7 |
| 269 11-559 | 3.9 | 4.0 |
| 270 GO-812KBG | 3.8 | 4.0 |
| 271 Blue Ghost | 3.7 | 5.3 |
| 272 Armanda | 3.7 | 3.0 |
| 273 11-592 | 3.7 | 5.7 |
| 274 PST-K13-140 | 3.6 | 5.3 |
| 275 11-695 | 3.6 | 5.3 |
| 276 Artesia | 2.4 | 2.3 |
| 277 GO-5675KBG | 1.2 | 1.7 |
| LSD at 5% = | 0.9 | 1.8 |

¹9 = best turf quality

²9 = best establishment

Table 7. Performance of Kentucky bluegrass cultivars and selections in a trial seeded in September 2013 at Adelphia, NJ.

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Establishment ² 27 Sept. 2013 | Stem Rust ³ 25 Oct. 2013 | Green Cover (%) ⁴ 7 April 2014 |
|-----------------------|---|--|---|---|
| 1 Mercury | 7.5 | 6.0 | 9.0 | 99.0 |
| 2 DLF 1139 | 6.9 | 6.3 | 5.7 | 76.7 |
| 3 H99-1653 | 6.7 | 6.0 | 8.0 | 68.3 |
| 4 Volt | 6.2 | 6.7 | 6.0 | 50.0 |
| 5 Langara | 5.9 | 6.3 | 6.7 | 65.0 |
| 6 LTP-A-03-38 | 5.8 | 5.3 | 7.3 | 61.7 |
| 7 Legend | 5.5 | 5.0 | 7.7 | 36.7 |
| 8 Cabernet | 5.3 | 4.7 | 7.0 | 65.0 |
| 9 Kenblue | 5.3 | 6.7 | 7.7 | 70.0 |
| 10 Kenblue | 4.6 | 5.7 | 6.0 | 50.0 |
| 11 Armada | 4.6 | 1.7 | 8.7 | 48.3 |
| 12 Fielder | 4.5 | 5.3 | 5.3 | 26.7 |
| 13 Shiraz | 4.3 | 4.0 | 8.0 | 33.3 |
| 14 Merit | 4.1 | 4.0 | 6.7 | 25.0 |
| 15 Zinfandel | 4.0 | 3.0 | 7.0 | 20.0 |
| 16 Midnight | 4.0 | 5.3 | 4.7 | 20.0 |
| 17 Baron | 3.9 | 5.3 | 3.3 | 16.7 |
| 18 DLF 1126 | 3.9 | 3.7 | 6.0 | 23.3 |
| 19 SR 2284 | 3.7 | 4.0 | 7.7 | 26.7 |
| 20 Raven | 3.6 | 5.7 | 4.7 | 26.7 |
| 21 Arrowhead | 3.5 | 5.7 | 3.3 | 20.0 |
| 22 BlueNote | 3.5 | 4.3 | 6.0 | 31.7 |
| 23 Bordeaux | 3.4 | 4.7 | 5.7 | 36.7 |
| 24 Fahrenheit 90 | 3.3 | 2.3 | 8.0 | 18.3 |
| 25 Merlot | 2.5 | 4.3 | 5.0 | 15.0 |
| LSD at 5% = | 1.1 | 1.4 | 1.9 | 20.0 |

¹9 = best turf quality

²9 = best establishment

³9 = best stem rust resistance

⁴100% = best green cover

Table 8. Performance of Kentucky bluegrass cultivars and selections in a low maintenance turf trial seeded in September 2013 at Adelphia, NJ.

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Turf Emergence ² Oct. 2013 | Snow Mold ³ April 2014 | Drought Quality ⁴ July 2014 | Stem Rust ³ Sept. 2014 |
|-----------------------|---|---|---|--|---|
| 1 A04-13 | 7.1 | 6.3 | 8.7 | 8.0 | 8.3 |
| 2 KB11-22 | 6.9 | 8.3 | 7.0 | 5.3 | 8.0 |
| 3 PST-T10-18 | 6.9 | 7.3 | 7.0 | 5.3 | 8.3 |
| 4 Pick 033 | 6.9 | 8.3 | 6.7 | 7.0 | 6.0 |
| 5 Washington II | 6.8 | 9.0 | 6.7 | 4.0 | 7.7 |
| 6 A06-46 | 6.8 | 8.7 | 8.0 | 5.0 | 6.7 |
| 7 Avalanche | 6.8 | 8.3 | 6.7 | 5.3 | 8.0 |
| 8 A09-305 | 6.8 | 5.3 | 8.3 | 6.7 | 8.0 |
| 9 Hampton | 6.7 | 7.3 | 7.3 | 4.3 | 5.3 |
| 10 A00-2882 | 6.7 | 7.7 | 6.7 | 4.7 | 5.0 |
| 11 Touche | 6.7 | 6.0 | 6.3 | 5.7 | 7.3 |
| 12 A07-783 | 6.7 | 7.0 | 6.3 | 7.0 | 7.0 |
| 13 Keeneland | 6.6 | 7.7 | 6.7 | 7.0 | 7.0 |
| 14 RAD-1409 | 6.6 | 6.3 | 4.3 | 6.0 | 7.3 |
| 15 KB11-30 | 6.6 | 8.3 | 6.3 | 6.0 | 7.3 |
| 16 A03-38 | 6.6 | 6.7 | 6.3 | 5.3 | 6.7 |
| 17 H99-1653 | 6.5 | 7.0 | 7.0 | 4.7 | 7.7 |
| 18 KB11-4 | 6.5 | 6.3 | 6.7 | 5.0 | 7.3 |
| 19 H05-710 | 6.5 | 5.0 | 8.3 | 5.0 | 7.0 |
| 20 TD7-08 | 6.4 | 5.7 | 7.7 | 5.7 | 7.7 |
| 21 A07-21 RSP | 6.4 | 6.3 | 7.7 | 5.0 | 6.7 |
| 22 A04-383 | 6.4 | 8.7 | 7.3 | 2.3 | 7.3 |
| 23 A07-782 | 6.4 | 6.0 | 5.3 | 7.0 | 7.0 |
| 24 H01-938 | 6.3 | 7.7 | 8.3 | 6.0 | 7.0 |
| 25 PST-K8-66 | 6.3 | 8.0 | 5.7 | 6.0 | 7.0 |
| 26 Fullback | 6.3 | 5.7 | 7.0 | 7.3 | 6.7 |
| 27 Legend | 6.3 | 7.3 | 6.3 | 7.0 | 7.3 |
| 28 Juliet | 6.3 | 7.7 | 7.0 | 5.7 | 8.0 |
| 29 TD-2-JP08 | 6.3 | 8.0 | 6.7 | 5.3 | 4.7 |
| 30 A00-1400 | 6.3 | 5.3 | 6.3 | 6.7 | 5.7 |
| 31 A04-13 U-1885 | 6.2 | 7.7 | 9.0 | 3.3 | 5.3 |
| 32 Bluenote | 6.2 | 6.7 | 7.3 | 6.0 | 6.3 |
| 33 SPF 30 | 6.1 | 8.0 | 6.3 | 5.3 | 5.7 |
| 34 KB11-6 | 6.1 | 8.0 | 7.7 | 5.3 | 7.3 |
| 35 KB11-47 | 6.1 | 4.0 | 6.3 | 6.7 | 7.7 |

(Continued)

Table 8. Kentucky bluegrass low maintenance turf trial, 2013 (continued).

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Turf Emergence ² Oct. 2013 | Snow Mold ³ April 2014 | Drought Quality ⁴ July 2014 | Stem Rust ³ Sept. 2014 |
|-----------------------|---|---|---|--|---|
| 36 A12-1KB | 6.0 | 7.7 | 6.3 | 5.3 | 6.3 |
| 37 Volt | 6.0 | 8.3 | 6.0 | 4.3 | 5.0 |
| 38 H05-276 | 6.0 | 5.3 | 6.0 | 6.7 | 5.0 |
| 39 KB11-28 | 6.0 | 7.7 | 6.0 | 7.0 | 7.3 |
| 40 4724-8 | 6.0 | 3.0 | 7.3 | 7.3 | 7.0 |
| 41 A12-7 | 5.9 | 6.3 | 6.7 | 4.7 | 4.3 |
| 42 A05-930 | 5.9 | 4.0 | 5.7 | 6.7 | 7.3 |
| 43 A06-215 | 5.9 | 2.7 | 8.0 | 5.7 | 7.0 |
| 44 PST-K13-139 | 5.9 | 6.3 | 6.3 | 4.3 | 6.0 |
| 45 A03-3957 | 5.9 | 5.7 | 5.7 | 5.3 | 6.3 |
| 46 RAD-2154 | 5.9 | 6.7 | 5.7 | 4.3 | 5.3 |
| 47 TD-5-JP08 | 5.9 | 7.3 | 5.7 | 2.7 | 6.3 |
| 48 Shiraz | 5.9 | 7.0 | 6.3 | 5.7 | 7.3 |
| 49 PST-K13-135 | 5.9 | 5.7 | 6.7 | 6.3 | 6.7 |
| 50 Midnight II | 5.8 | 7.0 | 5.3 | 5.0 | 5.3 |
| 51 A04-49 | 5.8 | 5.7 | 7.0 | 4.7 | 5.7 |
| 52 A05-351 | 5.8 | 3.7 | 5.3 | 5.7 | 6.3 |
| 53 PST-T10-17 | 5.8 | 6.7 | 6.7 | 4.3 | 5.7 |
| 54 A04-38 | 5.8 | 7.7 | 7.3 | 2.7 | 3.7 |
| 55 Aries | 5.8 | 7.7 | 7.3 | 5.0 | 5.0 |
| 56 PST-K13-136 | 5.8 | 7.3 | 6.7 | 3.7 | 5.0 |
| 57 Right | 5.8 | 8.0 | 6.7 | 4.3 | 6.0 |
| 58 A13-20 | 5.8 | 4.0 | 6.3 | 5.3 | 8.0 |
| 59 Mystere | 5.7 | 6.7 | 5.7 | 5.7 | 6.3 |
| 60 Champagne | 5.7 | 7.3 | 5.7 | 4.7 | 6.3 |
| 61 RAD-848 | 5.7 | 5.7 | 6.7 | 3.0 | 5.3 |
| 62 A07-1230 | 5.7 | 6.0 | 7.7 | 6.3 | 4.7 |
| 63 A09-258 | 5.7 | 8.3 | 7.3 | 2.3 | 4.3 |
| 64 A09-353 | 5.7 | 7.7 | 7.0 | 6.0 | 3.7 |
| 65 Everest | 5.7 | 8.7 | 4.0 | 5.0 | 5.3 |
| 66 A13-19 P-105 x OP | 5.7 | 5.0 | 6.3 | 4.0 | 7.0 |
| 67 SRX 5321 | 5.7 | 8.3 | 5.7 | 5.7 | 5.3 |
| 68 A04-14 | 5.7 | 9.0 | 8.7 | 4.0 | 6.0 |
| 69 PST-K11-123 | 5.7 | 5.3 | 6.0 | 6.0 | 5.7 |
| 70 PP 10847 | 5.7 | 8.0 | 6.7 | 5.0 | 5.3 |

(Continued)

Table 8. Kentucky bluegrass low maintenance turf trial, 2013 (continued).

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Turf Emergence ² Oct. 2013 | Snow Mold ³ April 2014 | Drought Quality ⁴ July 2014 | Stem Rust ³ Sept. 2014 |
|-----------------------|---|---|---|--|---|
| 71 A04-74 | 5.6 | 7.7 | 6.0 | 6.3 | 5.7 |
| 72 PST-K12-132 | 5.6 | 7.0 | 6.7 | 5.3 | 6.0 |
| 73 H04-CTBT-184 | 5.6 | 7.7 | 7.3 | 3.3 | 5.7 |
| 74 SRX 466 | 5.6 | 7.0 | 6.7 | 3.7 | 5.0 |
| 75 A03-1017 | 5.6 | 7.3 | 4.7 | 4.0 | 6.0 |
| 76 PST-K10-111 | 5.6 | 6.0 | 6.7 | 5.0 | 6.0 |
| 77 A07-385 | 5.6 | 8.0 | 4.3 | 3.3 | 3.0 |
| 78 RAD-1377 | 5.6 | 6.0 | 7.3 | 6.3 | 7.7 |
| 79 Blue Sapphire | 5.6 | 7.3 | 6.3 | 5.7 | 5.0 |
| 80 NuDestiny | 5.6 | 8.0 | 5.3 | 5.0 | 4.7 |
| 81 A98-233 | 5.6 | 7.0 | 7.0 | 6.7 | 5.3 |
| 82 A04-67 | 5.6 | 8.7 | 6.7 | 4.0 | 5.3 |
| 83 SRX 4338 | 5.5 | 6.3 | 6.0 | 5.3 | 6.7 |
| 84 P-105 | 5.5 | 6.7 | 6.0 | 5.0 | 7.0 |
| 85 A10-247 | 5.5 | 6.7 | 6.3 | 6.0 | 6.3 |
| 86 KB11-32 | 5.5 | 7.0 | 4.3 | 4.7 | 5.0 |
| 87 PST-T13-33 | 5.5 | 5.3 | 5.7 | 5.0 | 5.7 |
| 88 RAD-1404 | 5.5 | 5.0 | 5.3 | 5.0 | 5.3 |
| 89 103-585 | 5.5 | 6.7 | 6.7 | 7.0 | 5.3 |
| 90 Bedazzled | 5.5 | 8.7 | 6.0 | 5.7 | 5.3 |
| 91 A06-206 | 5.5 | 5.3 | 7.3 | 6.3 | 6.0 |
| 92 Pick 4340 | 5.5 | 3.0 | 4.3 | 6.3 | 7.0 |
| 93 Mercury | 5.5 | 7.3 | 7.3 | 5.0 | 6.3 |
| 94 Madison | 5.5 | 7.7 | 5.7 | 4.0 | 5.3 |
| 95 KB11-45 | 5.5 | 7.3 | 5.3 | 5.3 | 6.0 |
| 96 PST-K13-141 | 5.5 | 7.0 | 6.0 | 5.7 | 6.3 |
| 97 A07-1248 | 5.5 | 6.3 | 5.0 | 4.3 | 5.3 |
| 98 A13-18 | 5.5 | 6.0 | 6.0 | 5.7 | 5.0 |
| 99 A12-3-KB | 5.4 | 5.3 | 6.7 | 4.3 | 5.7 |
| 100 Babe | 5.4 | 7.3 | 6.3 | 5.3 | 6.0 |
| 101 NuGlade | 5.4 | 8.3 | 4.3 | 4.7 | 4.7 |
| 102 KB11-17 | 5.4 | 6.3 | 6.0 | 4.3 | 6.0 |
| 103 PpPK 5 | 5.4 | 7.0 | 5.0 | 4.3 | 5.0 |
| 104 PST-T10-22-BS | 5.4 | 6.7 | 6.3 | 5.0 | 3.3 |
| 105 RAD-1776 | 5.4 | 5.7 | 5.0 | 5.0 | 6.7 |

(Continued)

Table 8. Kentucky bluegrass low maintenance turf trial, 2013 (continued).

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Turf Emergence ² Oct. 2013 | Snow Mold ³ April 2014 | Drought Quality ⁴ July 2014 | Stem Rust ³ Sept. 2014 |
|-----------------------|---|---|---|--|---|
| 106 Award | 5.4 | 8.0 | 5.7 | 3.7 | 4.3 |
| 107 A06-33 | 5.4 | 5.3 | 5.7 | 5.7 | 6.7 |
| 108 A05-316 | 5.3 | 7.0 | 6.3 | 5.3 | 6.0 |
| 109 A98-1001 | 5.3 | 8.0 | 5.3 | 6.7 | 3.3 |
| 110 A05-361 | 5.3 | 6.3 | 5.7 | 4.3 | 4.3 |
| 111 A10-873 | 5.3 | 7.3 | 4.0 | 5.0 | 5.0 |
| 112 A12-8 | 5.3 | 4.0 | 5.3 | 6.3 | 6.7 |
| 113 KB11-46 | 5.3 | 7.7 | 5.3 | 6.0 | 5.3 |
| 114 A06-604 | 5.3 | 5.3 | 5.0 | 3.7 | 6.0 |
| 115 A04-1381 | 5.3 | 5.7 | 4.7 | 5.3 | 4.7 |
| 116 PST-K9-96 | 5.3 | 8.0 | 7.3 | 3.7 | 5.3 |
| 117 Julia | 5.3 | 7.0 | 6.7 | 4.3 | 4.7 |
| 118 A13-10 | 5.3 | 4.3 | 6.7 | 5.0 | 6.3 |
| 119 Crest 5K-10 | 5.2 | 6.7 | 5.0 | 4.3 | 5.7 |
| 120 SR 2100 | 5.2 | 7.7 | 5.7 | 4.7 | 5.0 |
| 121 Gaelic | 5.2 | 8.3 | 6.0 | 4.7 | 3.7 |
| 122 A06-2 | 5.2 | 7.7 | 6.0 | 5.7 | 5.7 |
| 123 Oasis | 5.2 | 6.7 | 6.0 | 6.0 | 6.7 |
| 124 RAD-1405 | 5.2 | 6.0 | 6.0 | 4.0 | 7.0 |
| 125 12-0038 | 5.2 | 5.3 | 6.0 | 5.0 | 5.3 |
| 126 J-1136 | 5.2 | 8.3 | 4.7 | 4.7 | 4.7 |
| 127 A99-3122 | 5.2 | 8.0 | 7.0 | 4.3 | 6.0 |
| 128 A13-17 | 5.2 | 5.3 | 6.0 | 4.0 | 5.7 |
| 129 GS3-09 | 5.2 | 5.7 | 5.7 | 5.0 | 4.7 |
| 130 Moonlight SLT | 5.2 | 6.7 | 7.7 | 3.7 | 4.3 |
| 131 RAD-1371 | 5.2 | 3.7 | 5.7 | 7.0 | 8.3 |
| 132 A04-46 | 5.2 | 6.0 | 6.0 | 5.0 | 6.0 |
| 133 Impact | 5.2 | 7.3 | 5.0 | 4.7 | 4.3 |
| 134 A06-11 | 5.2 | 6.7 | 6.0 | 5.3 | 7.0 |
| 135 A07-5 | 5.2 | 4.7 | 4.0 | 5.7 | 6.0 |
| 136 Green Star | 5.2 | 4.7 | 6.3 | 4.3 | 5.7 |
| 137 PST-K13-142 | 5.2 | 4.7 | 4.0 | 5.0 | 5.3 |
| 138 98-10 Purple | 5.2 | 5.7 | 8.3 | 7.7 | 6.7 |
| 139 A13-1 | 5.2 | 3.0 | 5.0 | 7.0 | 7.3 |
| 140 Pick MP07 | 5.1 | 4.0 | 5.0 | 4.3 | 6.0 |

(Continued)

Table 8. Kentucky bluegrass low maintenance turf trial, 2013 (continued).

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Turf Emergence ² Oct. 2013 | Snow Mold ³ April 2014 | Drought Quality ⁴ July 2014 | Stem Rust ³ Sept. 2014 |
|-----------------------|---|---|---|--|---|
| 141 PST-K8-76NO | 5.1 | 8.0 | 5.3 | 6.0 | 3.3 |
| 142 K10-106D | 5.1 | 6.7 | 6.3 | 4.0 | 3.3 |
| 143 A06-40 | 5.1 | 5.7 | 5.7 | 3.7 | 6.7 |
| 144 A05-1405 | 5.1 | 4.7 | 4.0 | 5.7 | 6.7 |
| 145 KB11-24 | 5.1 | 7.3 | 6.3 | 5.0 | 6.0 |
| 146 PST-K10-107 | 5.1 | 4.7 | 6.0 | 5.0 | 6.7 |
| 147 A07-377 | 5.1 | 3.7 | 3.7 | 5.0 | 7.0 |
| 148 A05-321 | 5.1 | 7.3 | 4.7 | 4.7 | 4.3 |
| 149 KB11-31 | 5.1 | 7.7 | 5.0 | 4.7 | 5.3 |
| 150 PST-T11-29G | 5.1 | 6.7 | 5.0 | 6.0 | 6.3 |
| 151 RAD-1427 | 5.1 | 3.7 | 5.3 | 5.7 | 4.0 |
| 152 A06-632 | 5.1 | 8.7 | 6.0 | 2.0 | 2.3 |
| 153 A13-16 | 5.1 | 5.7 | 5.0 | 3.7 | 4.3 |
| 154 Arc | 5.0 | 5.7 | 5.0 | 5.7 | 3.3 |
| 155 Milagro | 5.0 | 8.3 | 6.3 | 3.3 | 4.7 |
| 156 SRX 2758 | 5.0 | 5.3 | 5.0 | 3.3 | 4.7 |
| 157 Guinness | 5.0 | 7.0 | 4.7 | 3.7 | 4.0 |
| 158 Midnight | 5.0 | 6.0 | 5.0 | 4.0 | 5.0 |
| 159 Bonaire | 5.0 | 7.3 | 5.7 | 5.7 | 3.0 |
| 160 Prafin | 5.0 | 8.0 | 5.3 | 4.7 | 4.7 |
| 161 Geisha | 5.0 | 8.3 | 5.0 | 3.3 | 3.7 |
| 162 PpPK 15 | 5.0 | 5.3 | 6.3 | 5.7 | 5.3 |
| 163 A11-28 | 5.0 | 6.0 | 7.3 | 4.7 | 5.0 |
| 164 Diva | 5.0 | 5.3 | 4.7 | 5.0 | 5.7 |
| 165 KB11-10 | 5.0 | 7.7 | 4.0 | 4.0 | 3.3 |
| 166 KB11-36 | 5.0 | 6.3 | 5.7 | 4.7 | 6.3 |
| 167 PST-K11-118 | 5.0 | 5.3 | 7.0 | 5.7 | 5.0 |
| 168 A13-13 | 5.0 | 5.3 | 5.7 | 4.0 | 4.3 |
| 169 A13-9 | 5.0 | 5.7 | 6.0 | 5.3 | 4.7 |
| 170 Blue Coat | 4.9 | 6.7 | 4.0 | 4.7 | 6.0 |
| 171 A10-5 | 4.9 | 3.3 | 6.7 | 4.3 | 5.7 |
| 172 Apollo | 4.9 | 7.3 | 3.7 | 5.0 | 6.3 |
| 173 KB11-18 | 4.9 | 5.7 | 5.3 | 4.3 | 5.7 |
| 174 PST-K12-134G | 4.9 | 6.3 | 5.3 | 4.3 | 7.0 |
| 175 PST-K7-29 | 4.9 | 5.7 | 6.0 | 4.7 | 3.0 |

(Continued)

Table 8. Kentucky bluegrass low maintenance turf trial, 2013 (continued).

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Turf Emergence ² Oct. 2013 | Snow Mold ³ April 2014 | Drought Quality ⁴ July 2014 | Stem Rust ³ Sept. 2014 |
|-----------------------|---|---|---|--|---|
| 176 A07-393 | 4.9 | 6.7 | 4.0 | 4.0 | 4.3 |
| 177 A04-1488 | 4.9 | 4.3 | 5.3 | 3.3 | 6.0 |
| 178 GO-2425KBG | 4.9 | 5.0 | 5.7 | 4.7 | 6.0 |
| 179 GO-2628KBG | 4.9 | 4.7 | 5.3 | 4.7 | 6.0 |
| 180 Lunar | 4.9 | 5.3 | 6.3 | 4.3 | 5.0 |
| 181 PST-K9-88 | 4.9 | 6.0 | 6.3 | 5.0 | 6.0 |
| 182 A04-1417 | 4.9 | 5.0 | 5.7 | 2.7 | 5.7 |
| 183 A08-3 | 4.9 | 6.0 | 6.0 | 4.7 | 4.7 |
| 184 A13-15 | 4.9 | 6.0 | 6.3 | 3.7 | 4.3 |
| 185 A10-241 | 4.9 | 6.0 | 5.7 | 5.0 | 5.3 |
| 186 A13-22 | 4.9 | 4.3 | 6.7 | 7.0 | 4.3 |
| 187 Pick TD8 | 4.8 | 7.3 | 6.3 | 3.7 | 5.0 |
| 188 STR 2553 | 4.8 | 7.7 | 5.3 | 5.3 | 4.0 |
| 189 Wild Horse | 4.8 | 8.0 | 6.3 | 3.7 | 4.3 |
| 190 PpPK 7 | 4.8 | 6.3 | 5.3 | 3.7 | 4.3 |
| 191 Merlot | 4.8 | 4.7 | 5.3 | 4.0 | 4.3 |
| 192 A05-347 | 4.8 | 5.0 | 6.3 | 6.7 | 6.0 |
| 193 PSG A12-2 | 4.8 | 7.0 | 6.3 | 5.0 | 4.0 |
| 194 Shannon | 4.8 | 7.3 | 6.7 | 5.3 | 4.3 |
| 195 Liberator | 4.8 | 6.7 | 4.3 | 4.7 | 5.0 |
| 196 H06-658 | 4.8 | 5.7 | 4.3 | 5.0 | 4.7 |
| 197 A13-21 | 4.8 | 6.0 | 6.3 | 6.0 | 4.7 |
| 198 PST-T12-31 | 4.8 | 4.7 | 4.7 | 3.0 | 5.0 |
| 199 A04-71 | 4.8 | 3.3 | 5.0 | 4.7 | 5.3 |
| 200 A05-323 | 4.8 | 6.7 | 5.7 | 4.3 | 4.0 |
| 201 Dauntless | 4.7 | 6.3 | 6.3 | 5.3 | 5.0 |
| 202 A13-11 | 4.7 | 3.3 | 5.0 | 5.0 | 5.7 |
| 203 Spitfire | 4.7 | 6.0 | 5.7 | 3.7 | 5.0 |
| 204 Bandera | 4.7 | 6.0 | 4.3 | 4.7 | 3.7 |
| 205 A05-342 | 4.7 | 5.0 | 5.7 | 5.0 | 4.7 |
| 206 PpPK 4 | 4.7 | 6.3 | 6.0 | 4.0 | 4.3 |
| 207 A04-1260 | 4.7 | 6.7 | 6.3 | 2.3 | 5.7 |
| 208 Prosperity | 4.7 | 8.3 | 4.3 | 6.0 | 2.7 |
| 209 A13-4 | 4.7 | 5.3 | 5.0 | 5.3 | 4.0 |
| 210 Moonshadow | 4.6 | 3.3 | 5.0 | 5.0 | 5.7 |

(Continued)

Table 8. Kentucky bluegrass low maintenance turf trial, 2013 (continued).

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Turf Emergence ² Oct. 2013 | Snow Mold ³ April 2014 | Drought Quality ⁴ July 2014 | Stem Rust ³ Sept. 2014 |
|-----------------------|---|---|---|--|---|
| 211 A08-2 | 4.6 | 5.7 | 4.3 | 6.3 | 5.3 |
| 212 RAD-KCC4L | 4.6 | 5.3 | 7.0 | 4.0 | 5.3 |
| 213 Fahrenheit 90 | 4.6 | 7.0 | 5.3 | 3.7 | 4.7 |
| 214 Rhythm | 4.6 | 4.7 | 4.0 | 4.0 | 4.7 |
| 215 A09-231 | 4.6 | 6.3 | 4.3 | 3.3 | 3.3 |
| 216 A13-8 | 4.6 | 5.7 | 4.7 | 4.3 | 4.3 |
| 217 DDOKM | 4.6 | 6.3 | 7.0 | 4.7 | 5.0 |
| 218 PST-K13-138 | 4.6 | 6.0 | 5.3 | 2.7 | 4.7 |
| 219 NuBlue Plus | 4.6 | 7.7 | 4.3 | 4.3 | 4.0 |
| 220 Rugby II | 4.6 | 8.3 | 5.3 | 3.7 | 4.0 |
| 221 Zedor | 4.6 | 5.0 | 6.3 | 3.3 | 3.0 |
| 222 A11-52 | 4.6 | 4.0 | 4.3 | 4.7 | 5.3 |
| 223 Crest 5K-12 | 4.5 | 5.7 | 4.7 | 3.7 | 4.0 |
| 224 A06-3 | 4.5 | 5.0 | 6.7 | 3.0 | 3.7 |
| 225 A06-8 | 4.5 | 5.0 | 7.3 | 4.0 | 5.0 |
| 226 A13-3 | 4.5 | 4.3 | 5.0 | 5.3 | 5.3 |
| 227 Guinney II | 4.5 | 6.7 | 5.0 | 5.0 | 5.3 |
| 228 A07-1247 | 4.5 | 5.3 | 3.7 | 3.7 | 3.3 |
| 229 Argos | 4.5 | 6.3 | 5.0 | 5.0 | 5.3 |
| 230 PST-K10-106D | 4.5 | 6.0 | 6.7 | 2.7 | 2.3 |
| 231 Midnight-Star | 4.5 | 8.0 | 6.7 | 2.3 | 4.0 |
| 232 PST-K8-60 | 4.4 | 3.0 | 6.3 | 5.7 | 7.3 |
| 233 4 Season | 4.4 | 5.7 | 4.7 | 3.7 | 3.0 |
| 234 PpPK 6 | 4.4 | 6.3 | 6.0 | 3.3 | 4.7 |
| 235 366-6-JP08 | 4.4 | 7.0 | 6.0 | 3.0 | 4.3 |
| 236 Quantum Leap | 4.4 | 6.7 | 4.0 | 3.0 | 4.0 |
| 237 Endurance | 4.4 | 5.7 | 5.7 | 5.0 | 4.7 |
| 238 Aviator | 4.4 | 7.0 | 7.3 | 2.7 | 2.3 |
| 239 3925 | 4.4 | 5.3 | 4.0 | 4.0 | 4.3 |
| 240 A99-320 | 4.4 | 7.0 | 6.0 | 2.3 | 5.0 |
| 241 SR 2284 | 4.3 | 5.0 | 6.0 | 3.7 | 4.0 |
| 242 Armada | 4.3 | 5.0 | 6.0 | 4.0 | 3.7 |
| 243 4764-9 | 4.3 | 4.0 | 6.0 | 3.7 | 6.0 |
| 244 Gladstone | 4.3 | 5.0 | 4.0 | 5.7 | 5.3 |
| 245 Bluechip Plus | 4.3 | 7.3 | 5.0 | 3.3 | 4.7 |

(Continued)

Table 8. Kentucky bluegrass low maintenance turf trial, 2013 (continued).

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Turf Emergence ² Oct. 2013 | Snow Mold ³ April 2014 | Drought Quality ⁴ July 2014 | Stem Rust ³ Sept. 2014 |
|-----------------------|---|---|---|--|---|
| 246 Everglade | 4.3 | 7.0 | 4.7 | 4.0 | 3.7 |
| 247 A05-350 | 4.3 | 3.0 | 4.7 | 3.0 | 4.0 |
| 248 Noble | 4.3 | 7.3 | 5.3 | 3.0 | 3.7 |
| 249 PpPK 3 | 4.3 | 6.0 | 5.3 | 3.7 | 3.3 |
| 250 A11-30 | 4.3 | 4.0 | 4.0 | 4.0 | 4.3 |
| 251 A13-7 | 4.3 | 4.7 | 4.7 | 5.3 | 4.7 |
| 252 Touchdown | 4.3 | 3.3 | 5.7 | 4.0 | 6.3 |
| 253 Jump Start | 4.3 | 7.3 | 6.3 | 3.0 | 3.3 |
| 254 PST-T13-32 | 4.3 | 4.0 | 4.3 | 4.0 | 3.7 |
| 255 Brooklawn | 4.3 | 5.7 | 5.7 | 4.7 | 3.7 |
| 256 A10-238 | 4.3 | 5.3 | 5.7 | 4.3 | 5.0 |
| 257 A00-4199 | 4.2 | 6.3 | 3.7 | 4.0 | 3.3 |
| 258 Black Jack | 4.2 | 5.0 | 4.7 | 2.7 | 3.3 |
| 259 PpPK 33 | 4.2 | 5.7 | 4.7 | 3.3 | 4.3 |
| 260 H99-163 | 4.2 | 6.3 | 5.7 | 4.7 | 3.3 |
| 261 PST-K13-140 | 4.2 | 7.7 | 3.0 | 2.3 | 4.3 |
| 262 PpPK 34 | 4.2 | 5.0 | 5.7 | 3.7 | 4.7 |
| 263 A05-331 | 4.2 | 4.0 | 6.3 | 4.3 | 4.0 |
| 264 GO-22B23KBG | 4.2 | 4.7 | 4.3 | 3.0 | 5.0 |
| 265 PST-K13-137 | 4.1 | 5.7 | 4.7 | 3.7 | 4.0 |
| 266 A13-12 | 4.1 | 6.0 | 4.3 | 4.0 | 3.3 |
| 267 A6-08 | 4.1 | 4.7 | 5.0 | 5.0 | 5.3 |
| 268 Rubix | 4.1 | 6.3 | 4.7 | 4.7 | 4.3 |
| 269 PpPK 9 | 4.1 | 5.0 | 5.7 | 4.0 | 2.7 |
| 270 A13-5 | 4.1 | 4.0 | 4.7 | 4.0 | 5.7 |
| 271 Arrowhead | 4.1 | 7.7 | 4.3 | 3.3 | 2.3 |
| 272 P105-OP | 4.1 | 2.3 | 3.0 | 3.3 | 3.7 |
| 273 PST-K10-110 | 4.0 | 5.0 | 5.3 | 3.7 | 3.7 |
| 274 PpPK 1 | 4.0 | 4.7 | 4.0 | 3.0 | 4.0 |
| 275 PpPK 2 | 4.0 | 6.7 | 5.3 | 3.7 | 4.3 |
| 276 A05-344 | 4.0 | 5.0 | 6.0 | 4.3 | 4.7 |
| 277 Bewitched | 4.0 | 6.3 | 5.7 | 4.3 | 3.7 |
| 278 A10-4 | 4.0 | 5.0 | 4.3 | 2.7 | 3.0 |
| 279 A13-6 | 4.0 | 4.7 | 5.7 | 5.0 | 6.0 |
| 280 PST-K11-124 | 4.0 | 6.0 | 3.3 | 4.0 | 4.3 |

(Continued)

Table 8. Kentucky bluegrass low maintenance turf trial, 2013 (continued).

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Turf Emergence ² Oct. 2013 | Snow Mold ³ April 2014 | Drought Quality ⁴ July 2014 | Stem Rust ³ Sept. 2014 |
|-----------------------|---|---|---|--|---|
| 281 Cocktail | 4.0 | 4.7 | 4.3 | 4.3 | 5.0 |
| 282 Blueberry | 3.9 | 7.0 | 5.0 | 4.7 | 4.7 |
| 283 Bluestar | 3.9 | 7.0 | 3.7 | 1.7 | 3.0 |
| 284 Water Works | 3.9 | 5.3 | 4.3 | 5.0 | 6.3 |
| 285 Blue Ghost | 3.8 | 7.0 | 5.0 | 3.7 | 1.7 |
| 286 PST-K9-97 | 3.8 | 4.7 | 4.7 | 2.7 | 1.7 |
| 287 Sombrero | 3.8 | 2.0 | 6.3 | 3.0 | 4.0 |
| 288 4789-6 | 3.7 | 2.7 | 5.0 | 3.7 | 6.7 |
| 289 A05-940 | 3.7 | 3.0 | 3.7 | 4.7 | 6.3 |
| 290 Crest | 3.6 | 6.7 | 2.7 | 2.7 | 3.3 |
| 291 RAD-507 | 3.6 | 4.0 | 6.0 | 3.7 | 4.3 |
| 292 Rhapsody | 3.6 | 3.0 | 5.3 | 5.0 | 5.0 |
| 293 Katie | 3.5 | 5.0 | 4.0 | 4.0 | 3.3 |
| 294 A05-354 | 3.5 | 2.0 | 4.0 | 4.7 | 5.3 |
| 295 4792-4 | 3.5 | 2.0 | 4.0 | 4.3 | 7.0 |
| 296 Rubicon | 3.5 | 5.3 | 4.3 | 4.3 | 4.3 |
| 297 4790-8 | 3.5 | 1.7 | 8.0 | 5.7 | 6.3 |
| 298 Fielder | 3.4 | 2.7 | 4.7 | 5.0 | 3.7 |
| 299 PST-K11-125 | 3.4 | 4.3 | 5.0 | 3.7 | 2.7 |
| 300 America | 3.4 | 4.3 | 5.7 | 3.3 | 3.3 |
| 301 Harmonie | 3.4 | 4.7 | 4.0 | 3.7 | 2.7 |
| 302 Mozart 1 | 3.4 | 3.0 | 3.0 | 4.7 | 5.0 |
| 303 A13-2 | 3.4 | 3.3 | 3.3 | 4.7 | 4.3 |
| 304 4-11KB | 3.3 | 4.3 | 3.3 | 3.0 | 3.3 |
| 305 PST-K13-143 | 3.3 | 4.7 | 3.0 | 4.0 | 5.0 |
| 306 Corsair | 3.1 | 6.0 | 4.3 | 2.3 | 1.3 |
| 307 A06-6 | 3.1 | 3.7 | 5.3 | 3.7 | 4.3 |
| 308 A05-3410 | 3.0 | 1.7 | 5.7 | 2.7 | 3.7 |
| 309 A13-21 | 3.0 | 3.3 | 4.0 | 3.3 | 3.7 |
| 310 PST-T13-34 | 2.9 | 3.3 | 3.3 | 1.7 | 1.7 |
| 311 GO-812KBG | 2.8 | 3.3 | 3.0 | 3.7 | 2.7 |
| 312 PST-101-362 | 2.5 | 6.0 | 3.3 | 1.3 | 1.3 |
| 313 Artesia | 1.8 | 1.7 | 5.0 | 1.7 | 1.7 |
| 314 Anastasia | 1.7 | 3.3 | 4.3 | 2.0 | 1.3 |
| 315 A05-1404 | 1.4 | 1.0 | 4.3 | 2.0 | 4.7 |
| 316 GO-5675KBG | 1.2 | 2.0 | 2.3 | 1.0 | 1.7 |
| 317 Julius | 1.2 | 1.0 | 3.0 | 1.3 | 1.0 |

(Continued)

Table 8. Kentucky bluegrass low maintenance turf trial, 2013 (continued).

| Cultivar or Selection | Turf Quality ¹ 2014 Avg. | Turf Emergence ² Oct. 2013 | Snow Mold ³ April 2014 | Drought Quality ⁴ July 2014 | Stem Rust ³ Sept. 2014 |
|-----------------------|---|---|---|--|---|
| LSD at 5% = | 1.1 | 1.7 | 1.7 | 2.1 | 1.8 |

¹9 = best turf quality

²9 = best emergence

³9 = least disease

⁴9 = best drought quality

Table 9. Yearly nitrogen (N) applied and mowing height (Ht) on Kentucky bluegrass and Texas bluegrass hybrid tests established at Adelphia and North Brunswick, NJ.

| | 2011 | | 2012 | | 2013 | | 2014 | |
|--|----------------|-----------------|------|-----|------|-----|------|-----|
| | N ¹ | Ht ² | N | Ht | N | Ht | N | Ht |
| Table 1 (2010 Adelphia)..... | 2.25 | 1.5 | 3.00 | 1.5 | 3.0 | 1.5 | 2.15 | 1.5 |
| Table 2 (2011 Adelphia)..... | 4.50 | 1.5 | 3.75 | 1.5 | 3.0 | 1.5 | 2.90 | 1.5 |
| Table 3 (2011 Adelphia, NTEP) | 4.50 | 1.5 | 3.75 | 1.5 | 3.0 | 1.5 | 2.90 | 1.5 |
| Table 4 (2012 Adelphia)..... | | | | | 3.0 | 1.5 | 2.90 | 1.5 |
| Table 5 (2012 North Brunswick, Low maintenance)..... | | | | | 1.5 | 3.0 | 1.75 | 3.0 |
| Table 6 (2013 Adelphia) | | | | | | | 3.60 | 1.5 |
| Table 7 (2013 Adelphia) | | | | | | | 1.50 | 2.5 |
| Table 8 (2013 Adelphia, Low maintenance)..... | | | | | | | 1.50 | 2.5 |

¹Annual N applied (lb/1000 ft²)

²Mowing height in inches