

2000 NTEP Kentucky Bluegrass Test – 2005 Results and 5-Year Quality Ratings

Glenn Hardebeck and Cale Bigelow

Objective

To evaluate commercial and experimental varieties of Kentucky bluegrass under low maintenance conditions in central Indiana.

Rationale

Kentucky bluegrass is the most widely used turf species in Indiana under low maintenance conditions. Attributes such as good drought tolerance, fair heat tolerance, good wear tolerance, and excellent cold tolerance makes it a good choice for many turf sites. Kentucky bluegrass will form a dense, attractive turf stand when properly maintained. By determining performance of these 173 varieties, we will be able to offer sound information on which varieties of Kentucky bluegrass to plant in Indiana.

How It Was Done

One hundred and seventy three varieties of Kentucky bluegrass were seeded on 31 Aug 2000 at the William H. Daniel Research and Diagnostic Center on a silt loam soil. Seeding rate was 2.2 lbs/1000 ft² and seed was spread using a hand shaker jar. After seeding the area was lightly raked, and a starter fertilizer (8-22-16) was applied at the rate of 1.5 lbs P₂O₅/1000 ft². The area was covered with a germination blanket to prevent washing of seed and mixing of varieties.

Plots are maintained under a low maintenance regime. The mowing height is 2.5 inches and the experiment is mowed twice per week or as needed when under drought stress. Annual fertilization is 2 lbs N/1000 ft² with 1 lb applied in mid-September and 1 lb in early November. No irrigation is applied to the plots.

Data collected in 2005 included genetic color, spring green-up, percent living ground cover, and monthly visual quality ratings from April to October. All data taken were visual observations of turf characteristics and performance. Visual quality ratings were taken using a scale of 1 to 9 with 1 = no living turf, 5 = acceptable turf, and 9 = ideal turf.

Results to Date

- There are no statistical differences in average visual quality during 2005 among the top 43 cultivars (Table 1).
- There are no statistical differences in average visual quality during 2001 through 2005 among the top 44 cultivars (Table 2).
- Other characteristics not accounted for in this study are wear tolerance, heat tolerance, dwarfness, and nitrogen requirement. It is very difficult if not impossible to look solely at a list such as this and pick cultivars for a blend or particular use. When making cultivar selections, it is best to consult the NTEP web page at www.ntep.org for complete performance data from around the country on cultivars, placing special emphasis on how cultivars perform in IN, IL, KY, MI and/or OH (depending if you are located in northern, central, or southern IN) under the specific maintenance regime you intend for that grass.

Acknowledgments

This research was supported by the National Turfgrass Evaluation Program and The Midwest Regional Turf Foundation.

Table 1. Visual quality, genetic color, green-up and fall cover of 173 Kentucky bluegrass cultivars growing under low maintenance in 2005.

| Cultivar | Visual quality ^a | | | | | | | | Genetic Color ^b | Spring green-up ^c | % cover ^d |
|--------------------------|-----------------------------|-----|------|------|-----|-----|-----|-----|----------------------------|------------------------------|----------------------|
| | April | May | June | July | Aug | Sep | Oct | Avg | | | |
| Glenmont (H94-293) | 8.3 | 6.7 | 4.3 | 7.0 | 6.3 | 7.0 | 7.7 | 6.8 | 7.0 | 7.3 | 98.7 |
| Moonlight | 8.0 | 6.7 | 4.7 | 6.3 | 6.0 | 7.0 | 8.0 | 6.7 | 8.0 | 5.0 | 98.7 |
| BlueMax (PST-B5-89) | 7.3 | 7.0 | 4.3 | 6.3 | 6.3 | 7.3 | 7.7 | 6.6 | 8.0 | 5.7 | 98.7 |
| Hallmark | 6.3 | 7.7 | 4.7 | 6.7 | 6.3 | 6.7 | 6.7 | 6.4 | 6.0 | 3.7 | 96.0 |
| Ascot | 5.3 | 7.0 | 5.3 | 7.0 | 6.0 | 7.0 | 7.3 | 6.4 | 6.3 | 4.0 | 98.3 |
| Valor (A97-1330) | 8.0 | 5.3 | 4.3 | 7.0 | 6.3 | 7.0 | 7.0 | 6.4 | 6.3 | 7.3 | 99.0 |
| BAR Pp 0566 | 8.0 | 6.0 | 5.0 | 5.7 | 6.0 | 6.7 | 7.3 | 6.4 | 7.3 | 7.7 | 99.0 |
| Midnight | 6.0 | 6.3 | 3.7 | 6.7 | 6.3 | 7.3 | 7.7 | 6.3 | 8.3 | 3.3 | 99.0 |
| Ba 00-6001 | 7.7 | 6.3 | 4.3 | 6.3 | 6.0 | 6.3 | 7.3 | 6.3 | 6.7 | 5.0 | 98.7 |
| H92-558 | 7.3 | 6.0 | 3.7 | 6.3 | 6.3 | 7.0 | 7.7 | 6.3 | 7.0 | 6.7 | 98.7 |
| Boutique | 8.3 | 6.0 | 4.0 | 6.3 | 6.0 | 6.7 | 7.0 | 6.3 | 6.3 | 8.0 | 98.7 |
| SRX 2114 | 7.3 | 4.7 | 4.0 | 6.7 | 6.0 | 7.0 | 7.7 | 6.2 | 7.3 | 4.7 | 97.3 |
| Freedom III (J-2890) | 6.0 | 6.3 | 4.3 | 6.7 | 6.0 | 6.7 | 7.7 | 6.2 | 8.3 | 3.0 | 98.7 |
| Royale (A97-1336) | 7.3 | 5.7 | 4.0 | 5.7 | 6.0 | 6.7 | 7.3 | 6.1 | 7.0 | 7.0 | 96.7 |
| Wildwood | 6.7 | 7.0 | 4.7 | 6.0 | 5.7 | 6.0 | 6.3 | 6.1 | 6.3 | 4.7 | 97.3 |
| CVB-20631 | 6.7 | 6.0 | 4.0 | 6.3 | 6.0 | 6.7 | 6.7 | 6.1 | 6.3 | 4.3 | 98.0 |
| Kingfisher (SRX 2394) | 8.3 | 4.3 | 3.0 | 6.3 | 6.0 | 7.0 | 7.7 | 6.1 | 7.3 | 7.7 | 98.3 |
| Bordeaux | 7.7 | 4.7 | 4.0 | 6.0 | 6.0 | 6.7 | 7.3 | 6.1 | 7.3 | 7.3 | 99.0 |
| Durham (A96-427) | 8.0 | 4.3 | 3.3 | 6.3 | 6.3 | 7.0 | 7.3 | 6.1 | 7.0 | 7.7 | 98.7 |
| SR 2284 (SRX 2284) | 7.3 | 5.7 | 3.3 | 6.0 | 5.7 | 7.3 | 7.7 | 6.1 | 6.3 | 8.0 | 98.0 |
| Champlain (A98-1275) | 7.0 | 5.3 | 4.0 | 6.3 | 6.3 | 6.7 | 7.0 | 6.1 | 6.7 | 3.7 | 98.0 |
| Alexa (J-2561) | 5.7 | 6.0 | 3.7 | 6.3 | 6.0 | 7.0 | 7.7 | 6.1 | 7.3 | 3.0 | 99.0 |
| Awesome (J-1420) | 5.7 | 6.7 | 3.7 | 6.3 | 5.7 | 6.7 | 7.7 | 6.1 | 8.3 | 3.0 | 98.7 |
| B4-128A | 7.7 | 5.7 | 3.7 | 5.7 | 5.7 | 6.7 | 7.3 | 6.1 | 5.3 | 7.0 | 98.7 |
| BAR Pp 0471 | 7.7 | 5.0 | 4.3 | 6.0 | 6.0 | 6.3 | 7.3 | 6.1 | 6.7 | 6.7 | 99.0 |
| Bedazzled | 7.3 | 6.7 | 4.3 | 5.3 | 5.0 | 6.0 | 7.3 | 6.0 | 6.7 | 7.7 | 97.3 |
| Brilliant | 7.7 | 5.7 | 3.7 | 5.3 | 5.7 | 6.3 | 7.3 | 6.0 | 6.0 | 6.3 | 98.3 |
| PST-222 | 7.7 | 6.0 | 3.7 | 6.3 | 6.0 | 6.3 | 6.3 | 6.0 | 7.0 | 6.3 | 98.7 |
| Unknown | 5.7 | 7.0 | 4.0 | 6.0 | 6.0 | 6.3 | 6.7 | 6.0 | 8.3 | 3.3 | 97.7 |
| Sorbonne (DLF 76-9037) | 7.7 | 5.0 | 3.7 | 6.0 | 5.7 | 6.7 | 7.3 | 6.0 | 6.0 | 6.3 | 97.3 |
| Moon Shadow (Pick 113-3) | 7.3 | 5.7 | 4.0 | 6.0 | 5.7 | 6.3 | 7.0 | 6.0 | 6.7 | 5.0 | 98.7 |
| BAR Pp 0573 | 7.3 | 6.3 | 4.7 | 5.3 | 5.3 | 6.3 | 7.0 | 6.0 | 6.7 | 6.7 | 98.7 |
| Monte Carlo (A96-402) | 7.0 | 6.0 | 4.3 | 5.7 | 6.0 | 6.3 | 6.3 | 5.9 | 6.7 | 5.7 | 96.7 |
| PST-B5-125 | 6.0 | 7.0 | 3.7 | 6.0 | 6.0 | 6.0 | 6.3 | 5.9 | 6.3 | 4.3 | 97.0 |

| | | | | | | | | | | | |
|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| PST-York Harbor 4 | 6.0 | 6.0 | 3.7 | 6.3 | 6.0 | 6.3 | 7.0 | 5.9 | 6.7 | 4.7 | 97.7 |
| Mallard (A97-1439) | 6.7 | 6.3 | 4.3 | 5.7 | 5.7 | 6.0 | 6.7 | 5.9 | 6.3 | 5.3 | 98.7 |
| Dynamo (B3-185) | 7.3 | 5.0 | 4.3 | 6.3 | 6.0 | 6.3 | 6.3 | 5.9 | 6.0 | 6.0 | 99.0 |
| PST-B4-246 | 7.3 | 6.3 | 3.7 | 5.3 | 5.3 | 6.3 | 7.3 | 5.9 | 7.3 | 5.0 | 95.7 |
| SI A96-386 | 7.3 | 6.0 | 3.7 | 5.0 | 5.7 | 6.3 | 7.3 | 5.9 | 6.3 | 4.3 | 98.0 |
| Diva (Pro Seeds-453) | 7.7 | 4.3 | 3.0 | 6.0 | 6.3 | 6.7 | 7.3 | 5.9 | 6.3 | 6.3 | 98.0 |
| A98-183 | 7.7 | 6.7 | 4.7 | 5.0 | 5.0 | 6.0 | 6.0 | 5.9 | 7.3 | 5.3 | 98.0 |
| Courtyard (J-1838) | 5.7 | 6.0 | 3.7 | 6.0 | 5.7 | 6.7 | 7.3 | 5.9 | 8.0 | 3.0 | 98.3 |
| Blue Velvet (J-1513) | 5.0 | 6.3 | 4.0 | 6.3 | 6.0 | 6.7 | 7.0 | 5.9 | 8.0 | 3.0 | 99.0 |
| PST-108-79 | 6.3 | 6.0 | 4.7 | 5.0 | 5.3 | 6.3 | 7.0 | 5.8 | 5.0 | 4.0 | 98.7 |
| Voyager II (PST-1QG-27) | 7.3 | 6.0 | 3.0 | 6.3 | 5.7 | 6.3 | 6.3 | 5.8 | 6.0 | 7.3 | 99.0 |
| Midnight II (A98-739) | 4.7 | 6.3 | 3.3 | 5.3 | 5.7 | 7.0 | 8.0 | 5.8 | 8.0 | 2.7 | 98.7 |
| Blue-Tastic (IB7-308) | 6.7 | 7.0 | 4.7 | 5.7 | 5.3 | 5.3 | 5.7 | 5.8 | 8.3 | 5.3 | 95.7 |
| PST-H6-150 | 7.0 | 5.7 | 4.0 | 5.3 | 5.3 | 6.3 | 6.7 | 5.8 | 6.0 | 6.0 | 96.7 |
| Goldstar (A98-296) | 7.3 | 6.0 | 4.3 | 5.3 | 5.7 | 6.0 | 6.3 | 5.8 | 7.3 | 7.0 | 99.0 |
| Royce (A98-304) | 7.7 | 4.7 | 3.7 | 6.3 | 5.7 | 6.3 | 6.0 | 5.8 | 6.0 | 7.0 | 98.7 |
| Princeton 105 | 5.7 | 6.0 | 4.3 | 6.3 | 6.0 | 6.3 | 6.3 | 5.8 | 7.3 | 4.7 | 95.3 |
| Excursion (J-1648) | 5.7 | 6.3 | 3.7 | 6.7 | 5.7 | 6.0 | 6.7 | 5.8 | 7.7 | 3.7 | 98.7 |
| Bartitia | 5.7 | 6.0 | 4.0 | 6.0 | 5.7 | 6.3 | 6.7 | 5.8 | 6.3 | 4.7 | 99.0 |
| Blackstone | 7.0 | 4.3 | 3.7 | 6.3 | 5.7 | 6.3 | 7.3 | 5.8 | 7.0 | 7.7 | 98.7 |
| Delight (A97-1432) | 7.3 | 5.7 | 3.3 | 6.0 | 5.7 | 5.7 | 6.0 | 5.7 | 6.7 | 8.0 | 98.7 |
| Alpine | 4.7 | 7.3 | 4.0 | 6.0 | 5.7 | 6.0 | 6.0 | 5.7 | 5.7 | 4.0 | 96.7 |
| Ba 84-140 | 6.0 | 6.7 | 4.3 | 5.7 | 5.3 | 6.0 | 6.0 | 5.7 | 7.7 | 5.7 | 98.7 |
| Showcase | 7.0 | 4.7 | 3.3 | 6.3 | 5.7 | 6.3 | 6.3 | 5.7 | 5.3 | 6.7 | 98.3 |
| Arcadia | 6.0 | 6.3 | 3.7 | 5.7 | 5.3 | 6.0 | 6.7 | 5.7 | 7.7 | 3.3 | 98.0 |
| Perfection (J-1515) | 6.3 | 5.7 | 3.7 | 6.0 | 5.3 | 6.0 | 6.7 | 5.7 | 8.0 | 3.0 | 97.7 |
| Ginney (J-1368) | 5.3 | 6.7 | 4.0 | 5.7 | 5.3 | 6.3 | 6.7 | 5.7 | 7.3 | 3.0 | 97.7 |
| J-2885 | 7.0 | 5.7 | 2.7 | 6.0 | 5.7 | 6.3 | 6.7 | 5.7 | 8.0 | 4.0 | 98.7 |
| Nu Destiny (J-2695) | 5.7 | 6.0 | 2.7 | 6.3 | 6.0 | 6.3 | 7.0 | 5.7 | 8.3 | 3.0 | 99.0 |
| Barrister (J-1665) | 5.3 | 6.0 | 3.7 | 6.0 | 5.7 | 6.3 | 6.7 | 5.7 | 7.7 | 3.0 | 98.7 |
| Beyond (J-1880) | 5.7 | 6.0 | 3.3 | 6.0 | 5.3 | 6.3 | 7.0 | 5.7 | 7.3 | 3.3 | 98.7 |
| Award | 5.0 | 6.3 | 4.0 | 5.3 | 5.3 | 6.3 | 7.7 | 5.7 | 7.7 | 3.0 | 98.7 |
| Freedom II | 6.0 | 6.0 | 3.7 | 5.3 | 5.3 | 6.3 | 7.3 | 5.7 | 7.3 | 4.0 | 98.7 |
| BAR Pp 0468 | 7.3 | 5.0 | 3.7 | 5.3 | 5.3 | 6.3 | 7.0 | 5.7 | 5.7 | 7.0 | 98.7 |
| Bariris | 7.0 | 5.3 | 4.0 | 5.7 | 5.7 | 6.0 | 6.0 | 5.7 | 5.7 | 6.3 | 98.3 |
| Serene | 6.7 | 5.3 | 4.0 | 6.0 | 5.3 | 6.3 | 6.3 | 5.7 | 6.3 | 5.7 | 98.0 |
| Rita | 6.7 | 6.0 | 3.7 | 5.3 | 5.3 | 6.3 | 6.7 | 5.7 | 7.0 | 6.7 | 98.7 |

| | | | | | | | | | | | |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| HV 140 | 6.0 | 5.7 | 4.3 | 5.3 | 5.3 | 6.0 | 6.7 | 5.6 | 6.7 | 5.3 | 99.0 |
| Envicta | 5.7 | 5.7 | 4.0 | 6.0 | 6.0 | 6.0 | 6.0 | 5.6 | 5.7 | 5.7 | 98.3 |
| Julia | 7.0 | 4.7 | 4.3 | 5.3 | 5.3 | 6.3 | 6.3 | 5.6 | 6.3 | 7.0 | 97.7 |
| Skye (A97-1715) | 7.3 | 5.0 | 3.0 | 5.3 | 5.3 | 6.3 | 6.7 | 5.6 | 7.3 | 7.3 | 98.7 |
| A98-365 | 7.3 | 4.7 | 3.3 | 4.3 | 5.0 | 6.3 | 8.0 | 5.6 | 6.3 | 7.3 | 97.3 |
| Total Eclipse | 5.0 | 6.3 | 3.7 | 5.0 | 5.7 | 6.3 | 7.0 | 5.6 | 7.3 | 3.7 | 97.7 |
| PST-B3-170 | 6.3 | 5.7 | 3.3 | 5.7 | 5.3 | 6.3 | 6.7 | 5.6 | 6.7 | 5.0 | 97.7 |
| Pp H 6366 | 7.0 | 5.0 | 3.3 | 5.7 | 5.0 | 5.7 | 7.0 | 5.5 | 5.3 | 6.7 | 99.0 |
| HV 238 | 6.0 | 5.7 | 3.7 | 6.0 | 5.7 | 5.7 | 5.7 | 5.5 | 5.3 | 7.7 | 98.7 |
| Rampart (Pick 417) | 7.0 | 6.3 | 3.7 | 4.7 | 5.0 | 5.7 | 6.3 | 5.5 | 6.3 | 5.3 | 95.7 |
| Raven | 5.3 | 5.3 | 3.7 | 6.3 | 5.7 | 6.3 | 6.0 | 5.5 | 5.7 | 6.0 | 98.7 |
| Katie (A96-451) | 7.0 | 5.7 | 3.7 | 5.3 | 5.0 | 5.7 | 6.3 | 5.5 | 7.3 | 6.3 | 97.3 |
| SRX 26351 | 7.3 | 4.3 | 4.0 | 5.3 | 5.0 | 6.0 | 6.3 | 5.5 | 5.7 | 7.3 | 98.7 |
| Sonoma | 7.0 | 5.3 | 4.0 | 5.0 | 5.0 | 5.7 | 6.3 | 5.5 | 6.3 | 5.3 | 97.3 |
| Cabernet | 6.7 | 4.0 | 3.3 | 5.7 | 5.7 | 6.3 | 6.7 | 5.5 | 6.3 | 7.0 | 98.7 |
| Chicago II | 6.3 | 5.7 | 3.3 | 4.7 | 5.3 | 6.3 | 7.0 | 5.5 | 8.3 | 4.3 | 98.7 |
| Rugby II | 6.0 | 5.3 | 3.0 | 5.3 | 5.3 | 6.3 | 7.3 | 5.5 | 8.0 | 3.3 | 99.0 |
| Bodacious | 5.0 | 6.3 | 4.0 | 5.0 | 5.0 | 5.7 | 6.7 | 5.4 | 7.0 | 5.3 | 97.3 |
| Lakeshore (A93-200) | 6.3 | 3.7 | 3.0 | 5.3 | 5.3 | 6.7 | 7.3 | 5.4 | 6.3 | 6.7 | 98.3 |
| Coventry | 6.7 | 4.7 | 3.3 | 5.3 | 5.0 | 6.3 | 6.7 | 5.4 | 6.0 | 5.7 | 99.0 |
| Apollo | 7.7 | 4.3 | 3.3 | 5.7 | 5.3 | 5.7 | 5.7 | 5.4 | 6.0 | 6.7 | 98.3 |
| Chateau | 7.0 | 4.3 | 3.3 | 5.3 | 5.3 | 6.0 | 6.3 | 5.4 | 6.0 | 6.0 | 99.0 |
| Champagne | 6.7 | 5.0 | 3.3 | 5.0 | 5.0 | 6.0 | 6.7 | 5.4 | 5.3 | 6.7 | 99.0 |
| Impact | 5.3 | 6.3 | 3.7 | 4.3 | 5.0 | 6.0 | 7.0 | 5.4 | 8.0 | 3.3 | 97.7 |
| Tsunami (J-2487) | 5.3 | 5.7 | 3.3 | 5.7 | 5.3 | 6.0 | 6.7 | 5.4 | 8.0 | 3.0 | 98.7 |
| Everglade | 4.3 | 6.7 | 4.0 | 5.0 | 5.3 | 6.0 | 6.3 | 5.4 | 7.3 | 3.0 | 97.3 |
| Rambo | 6.0 | 4.3 | 3.3 | 5.3 | 5.7 | 6.0 | 7.0 | 5.4 | 7.0 | 5.3 | 99.0 |
| PST-H5-35 | 7.0 | 5.7 | 3.0 | 5.3 | 5.3 | 5.7 | 6.0 | 5.4 | 7.3 | 6.0 | 97.7 |
| Bluestone (PST-731) | 5.7 | 6.7 | 3.7 | 5.3 | 5.3 | 5.7 | 5.7 | 5.4 | 7.7 | 3.3 | 97.7 |
| Unique | 6.7 | 4.7 | 3.0 | 5.7 | 5.3 | 6.0 | 6.3 | 5.4 | 6.7 | 6.0 | 97.3 |
| Limerick | 6.3 | 5.7 | 4.3 | 5.0 | 4.7 | 5.3 | 5.7 | 5.3 | 5.0 | 3.0 | 97.0 |
| Blacksburg II (PST-1BMY) | 7.3 | 4.7 | 3.7 | 4.7 | 5.0 | 6.0 | 6.0 | 5.3 | 7.0 | 6.3 | 98.0 |
| Blue Ridge (A97-1449) | 7.7 | 4.7 | 3.3 | 4.7 | 5.0 | 5.7 | 5.7 | 5.3 | 6.7 | 7.7 | 98.0 |
| Mercury (Pick-232) | 7.3 | 5.3 | 3.7 | 4.3 | 4.7 | 5.7 | 6.3 | 5.3 | 7.3 | 6.0 | 98.0 |
| B5-43 | 6.7 | 5.0 | 3.0 | 5.3 | 5.3 | 6.0 | 6.0 | 5.3 | 6.0 | 5.0 | 99.0 |
| Casablanca (B3-171) | 7.3 | 4.3 | 3.3 | 5.0 | 5.3 | 5.7 | 6.3 | 5.3 | 6.7 | 6.7 | 99.0 |
| Quantum Leap | 4.7 | 6.0 | 3.7 | 5.0 | 5.0 | 5.7 | 7.0 | 5.3 | 8.0 | 3.0 | 97.3 |

| | | | | | | | | | | | |
|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Goldrush | 5.3 | 5.7 | 3.7 | 6.0 | 5.7 | 5.7 | 5.3 | 5.3 | 6.0 | 5.3 | 98.7 |
| BH 00-6003 | 5.3 | 5.7 | 3.7 | 5.0 | 5.3 | 6.0 | 6.3 | 5.3 | 6.3 | 5.0 | 97.3 |
| Ba 83-113 | 6.0 | 5.0 | 4.3 | 5.0 | 5.0 | 6.0 | 6.0 | 5.3 | 7.3 | 6.7 | 98.7 |
| Chelsea | 6.3 | 4.3 | 3.0 | 5.3 | 5.3 | 6.0 | 6.7 | 5.3 | 5.7 | 5.3 | 97.3 |
| Julius | 7.3 | 4.0 | 3.0 | 5.7 | 5.0 | 6.0 | 6.3 | 5.3 | 5.3 | 5.3 | 97.7 |
| Blue Sapphire (NA-K991) | 5.7 | 6.3 | 4.3 | 5.7 | 5.3 | 5.0 | 5.0 | 5.3 | 7.0 | 5.0 | 94.3 |
| Langara | 6.7 | 4.0 | 2.3 | 5.0 | 5.3 | 6.7 | 7.3 | 5.3 | 6.7 | 7.3 | 96.7 |
| A96-739 | 6.7 | 6.0 | 3.3 | 4.7 | 4.7 | 5.7 | 5.7 | 5.3 | 6.0 | 6.7 | 96.3 |
| A96-742 | 6.7 | 4.7 | 3.3 | 5.7 | 5.0 | 6.0 | 6.0 | 5.3 | 5.3 | 7.3 | 98.7 |
| Pp H 7929 | 6.0 | 5.0 | 4.0 | 5.0 | 5.0 | 5.7 | 6.0 | 5.2 | 6.0 | 5.3 | 98.0 |
| Shamrock | 6.3 | 4.3 | 3.0 | 5.0 | 5.0 | 6.0 | 6.7 | 5.2 | 6.0 | 6.0 | 97.7 |
| H92-203 | 7.7 | 3.7 | 3.3 | 4.3 | 4.7 | 6.0 | 6.7 | 5.2 | 6.3 | 6.3 | 98.7 |
| A97-1409 | 7.3 | 6.0 | 4.0 | 5.0 | 4.7 | 5.0 | 4.7 | 5.2 | 7.3 | 6.7 | 97.0 |
| Brooklawn | 6.3 | 4.3 | 3.3 | 4.7 | 5.0 | 6.3 | 6.7 | 5.2 | 6.3 | 6.0 | 97.0 |
| DLF 76-9032 | 5.7 | 6.3 | 3.3 | 5.3 | 4.7 | 5.7 | 5.7 | 5.2 | 6.3 | 4.0 | 96.7 |
| A97-857 | 6.7 | 4.7 | 3.0 | 5.0 | 5.3 | 5.7 | 6.3 | 5.2 | 6.3 | 6.7 | 97.3 |
| Baronie | 7.0 | 4.3 | 2.7 | 5.3 | 5.0 | 5.7 | 6.3 | 5.2 | 6.7 | 7.7 | 98.0 |
| Baron | 5.0 | 5.3 | 4.0 | 6.0 | 5.3 | 5.0 | 5.0 | 5.1 | 4.7 | 5.0 | 96.7 |
| Ulysses (Pp H 7832) | 6.7 | 4.0 | 3.0 | 5.0 | 5.3 | 5.7 | 6.3 | 5.1 | 6.0 | 6.0 | 96.0 |
| Baronette (Ba 81-058) | 7.0 | 5.7 | 3.7 | 4.3 | 4.3 | 5.0 | 5.7 | 5.1 | 7.3 | 6.7 | 96.7 |
| Marquis | 5.0 | 5.3 | 3.0 | 5.7 | 5.3 | 5.7 | 5.7 | 5.1 | 5.0 | 5.7 | 97.3 |
| Ba 82-288 | 7.0 | 5.3 | 3.3 | 4.3 | 4.3 | 5.7 | 6.0 | 5.1 | 6.7 | 6.7 | 98.3 |
| SRX QG245 | 7.3 | 3.7 | 2.7 | 5.0 | 5.3 | 5.7 | 6.0 | 5.1 | 6.7 | 7.3 | 95.0 |
| A98-407 | 7.0 | 4.3 | 3.7 | 4.7 | 4.7 | 5.3 | 5.7 | 5.1 | 7.7 | 8.0 | 97.7 |
| Everest | 5.3 | 5.7 | 3.3 | 5.0 | 5.0 | 5.3 | 6.3 | 5.1 | 8.0 | 3.3 | 97.7 |
| Liberator | 6.0 | 5.0 | 3.7 | 4.3 | 5.0 | 5.7 | 6.3 | 5.1 | 7.0 | 4.0 | 98.3 |
| Baritone | 7.3 | 5.3 | 4.3 | 5.0 | 4.7 | 5.0 | 4.3 | 5.1 | 6.0 | 6.0 | 96.7 |
| North Star | 4.7 | 4.7 | 3.7 | 5.3 | 5.0 | 5.7 | 6.3 | 5.1 | 6.7 | 4.0 | 97.0 |
| Eagleton | 5.3 | 3.7 | 3.7 | 5.0 | 5.3 | 6.0 | 6.3 | 5.0 | 5.3 | 6.0 | 99.0 |
| PST-604 | 7.3 | 5.3 | 3.7 | 4.3 | 4.3 | 5.0 | 5.3 | 5.0 | 7.3 | 8.0 | 99.0 |
| PST-161 | 5.3 | 4.7 | 2.3 | 4.3 | 5.0 | 6.3 | 7.3 | 5.0 | 6.7 | 6.3 | 97.7 |
| Moonshine (PST-1804) | 6.3 | 5.3 | 3.0 | 4.3 | 4.3 | 5.3 | 6.3 | 5.0 | 5.3 | 6.0 | 97.3 |
| B5-45 | 7.0 | 4.7 | 3.0 | 4.3 | 4.7 | 5.3 | 6.0 | 5.0 | 5.3 | 5.7 | 98.3 |
| Limousine | 6.3 | 5.0 | 3.3 | 4.3 | 4.3 | 5.7 | 6.0 | 5.0 | 6.3 | 5.3 | 96.7 |
| Allure | 6.0 | 5.0 | 3.0 | 4.7 | 4.7 | 5.7 | 6.0 | 5.0 | 6.0 | 4.7 | 96.7 |
| A98-1028 | 6.7 | 3.7 | 2.7 | 5.0 | 5.0 | 5.7 | 6.3 | 5.0 | 6.3 | 7.3 | 98.0 |
| Odyssey | 5.3 | 5.0 | 3.3 | 4.7 | 5.0 | 5.7 | 6.0 | 5.0 | 8.0 | 3.7 | 98.7 |

| | | | | | | | | | | | |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Pick 453 | 7.0 | 6.0 | 4.0 | 3.7 | 3.7 | 4.7 | 5.0 | 4.9 | 7.0 | 6.0 | 95.0 |
| Fairfax | 6.0 | 4.7 | 3.0 | 5.3 | 5.0 | 5.0 | 5.0 | 4.9 | 5.3 | 5.7 | 98.3 |
| Abbey | 4.3 | 5.7 | 3.7 | 5.3 | 5.0 | 5.3 | 5.0 | 4.9 | 5.7 | 5.3 | 97.7 |
| NA-K992 | 6.7 | 5.0 | 3.7 | 4.3 | 4.3 | 5.0 | 5.0 | 4.9 | 7.3 | 6.7 | 97.3 |
| SRX 27921 | 6.7 | 4.3 | 3.0 | 4.3 | 4.7 | 5.7 | 5.3 | 4.9 | 7.0 | 6.3 | 98.7 |
| NuGlade | 5.3 | 4.7 | 3.3 | 4.7 | 4.3 | 5.3 | 7.0 | 4.9 | 7.7 | 3.7 | 98.0 |
| Boomerang | 5.0 | 5.0 | 4.0 | 5.0 | 4.7 | 5.0 | 5.0 | 4.8 | 6.7 | 4.7 | 97.3 |
| Arrow (A97-1567) | 6.0 | 6.3 | 3.3 | 4.3 | 4.3 | 5.0 | 4.7 | 4.8 | 6.3 | 5.3 | 97.0 |
| Misty | 5.3 | 3.3 | 2.3 | 4.7 | 5.0 | 6.0 | 6.7 | 4.8 | 6.7 | 5.3 | 98.3 |
| DLF 76-9036 | 4.3 | 5.3 | 3.7 | 5.3 | 4.7 | 5.0 | 5.0 | 4.8 | 6.7 | 5.3 | 97.7 |
| Mongoose (A98-881) | 7.0 | 3.3 | 2.3 | 4.7 | 4.7 | 5.3 | 6.3 | 4.8 | 6.7 | 6.3 | 98.0 |
| Appalachian (A98-139) | 6.0 | 4.3 | 3.3 | 4.0 | 4.7 | 5.3 | 6.3 | 4.8 | 6.7 | 7.3 | 98.7 |
| Lily | 6.0 | 4.7 | 3.0 | 4.7 | 4.7 | 4.7 | 5.3 | 4.7 | 6.0 | 5.0 | 97.7 |
| BH 00-6002 | 6.0 | 3.3 | 2.3 | 5.3 | 5.3 | 5.3 | 5.7 | 4.7 | 5.7 | 7.3 | 98.3 |
| Blue Knight | 4.3 | 4.0 | 2.7 | 5.3 | 5.0 | 5.3 | 5.7 | 4.6 | 7.3 | 4.7 | 97.0 |
| Jefferson | 6.3 | 3.0 | 2.3 | 5.3 | 5.0 | 5.3 | 5.3 | 4.6 | 6.3 | 8.7 | 98.0 |
| Pp H 7907 | 5.3 | 4.3 | 3.0 | 4.7 | 5.0 | 4.7 | 4.7 | 4.5 | 6.7 | 6.0 | 97.7 |
| Avalanche (PST-1701) | 6.0 | 3.7 | 2.7 | 4.3 | 4.7 | 5.0 | 5.0 | 4.5 | 6.3 | 8.7 | 98.7 |
| B5-144 | 5.7 | 5.0 | 3.0 | 4.3 | 4.3 | 4.7 | 4.3 | 4.5 | 5.7 | 4.3 | 98.0 |
| Jewel | 6.0 | 3.7 | 2.7 | 4.7 | 4.7 | 5.3 | 4.7 | 4.5 | 6.7 | 6.7 | 95.3 |
| Cheeta (Pp H 6370) | 4.7 | 4.3 | 2.7 | 4.3 | 4.3 | 5.0 | 5.3 | 4.4 | 6.3 | 5.7 | 95.0 |
| Washington | 4.7 | 3.3 | 2.3 | 4.7 | 4.7 | 5.3 | 5.3 | 4.3 | 5.7 | 8.0 | 98.0 |
| DLF 76-9034 | 5.3 | 3.0 | 2.7 | 3.7 | 4.0 | 4.7 | 5.3 | 4.1 | 5.7 | 6.7 | 98.7 |
| Barzan | 4.0 | 3.3 | 2.3 | 4.0 | 4.3 | 5.3 | 5.7 | 4.1 | 6.0 | 3.7 | 98.0 |
| 99AN-53 | 6.3 | 3.7 | 2.7 | 4.0 | 3.7 | 4.0 | 3.7 | 4.0 | 7.3 | 7.0 | 97.0 |
| GO-9LM9 | 5.0 | 2.0 | 1.7 | 4.0 | 4.3 | 5.0 | 5.3 | 3.9 | 6.7 | 7.0 | 95.7 |
| Wellington | 3.7 | 2.3 | 1.7 | 2.7 | 3.0 | 3.7 | 4.0 | 3.0 | 6.0 | 7.0 | 95.7 |
| Kenblue | 3.3 | 2.0 | 1.7 | 3.0 | 3.3 | 3.7 | 4.3 | 3.0 | 6.7 | 7.3 | 96.0 |
| LSD (0.05) | 1.5 | 1.1 | 1.2 | 1.7 | 1.6 | 1.6 | 1.9 | 0.9 | 1.1 | 1.2 | 4.1 |

^a Visual quality ratings were taken using a scale of 1 to 9 with 1 = no living turf, 5 = acceptable turf, and 9 = ideal turf.

^b Color was rated on a scale of 1 to 9 where 1 = light green and 9 = dark green.

^c Green-up was rated on a scale of 1 to 9 where 1 = dormant and 9 = green.

^d Percent of plot area covered by desired species in fall 2005.

Table 2. Average visual quality of 173 Kentucky bluegrass cultivars growing under low maintenance during the 2001 through 2005 growing seasons.

| Cultivar | Visual quality ^a 5-year avg | Cultivar | Visual quality 5-year avg | Cultivar | Visual quality 5-year avg |
|--------------------------|---|--------------------------|------------------------------|-----------------------|------------------------------|
| Glenmont (H94-293) | 6.6 | Ascot | 6.0 | Hallmark | 5.7 |
| Awesome (J-1420) | 6.5 | NuGlade | 6.0 | Avalanche (PST-1701) | 5.7 |
| Nu Destiny (J-2695) | 6.4 | Blackstone | 6.0 | Boutique | 5.7 |
| Midnight II (A98-739) | 6.3 | Diva (Pro Seeds-453) | 5.9 | Champagne | 5.7 |
| Blue Velvet (J-1513) | 6.3 | Quantum Leap | 5.9 | Delight (A97-1432) | 5.7 |
| Courtyard (J-1838) | 6.3 | PST-B3-170 | 5.9 | Bordeaux | 5.7 |
| Freedom III (J-2890) | 6.3 | Julia | 5.9 | Cabernet | 5.7 |
| Midnight | 6.3 | Arcadia | 5.9 | PST-108-79 | 5.7 |
| Moon Shadow (Pick 113-3) | 6.2 | SR 2284 (SRX 2284) | 5.9 | B5-43 | 5.7 |
| Ba 00-6001 | 6.2 | BlueMax (PST-B5-89) | 5.9 | Royce (A98-304) | 5.7 |
| Durham (A96-427) | 6.2 | Mallard (A97-1439) | 5.9 | Bariris | 5.7 |
| J-2885 | 6.2 | Blacksburg II (PST-1BMY) | 5.9 | PST-222 | 5.7 |
| Alexa (J-2561) | 6.2 | SRX 26351 | 5.8 | Goldstar (A98-296) | 5.7 |
| Rugby II | 6.2 | Everest | 5.8 | PST-B5-125 | 5.6 |
| Bluestone (PST-731) | 6.2 | SI A96-386 | 5.8 | Blue Ridge (A97-1449) | 5.6 |
| Excursion (J-1648) | 6.2 | Ginney (J-1368) | 5.8 | Royale (A97-1336) | 5.6 |
| Skye (A97-1715) | 6.1 | Baronie | 5.8 | Kingfisher (SRX 2394) | 5.6 |
| B4-128A | 6.1 | PST-York Harbor 4 | 5.8 | Rita | 5.6 |
| Ba 84-140 | 6.1 | Chateau | 5.8 | Unique | 5.6 |
| Barrister (J-1665) | 6.1 | Valor (A97-1330) | 5.8 | Baron | 5.6 |
| Award | 6.1 | Lakeshore (A93-200) | 5.8 | Apollo | 5.6 |
| Perfection (J-1515) | 6.1 | Coventry | 5.8 | Envicta | 5.6 |
| Unknown | 6.1 | Serene | 5.8 | Moonlight | 5.6 |
| Tsunami (J-2487) | 6.1 | Princeton 105 | 5.8 | Misty | 5.6 |
| Chicago II | 6.0 | Beyond (J-1880) | 5.8 | Mongoose (A98-881) | 5.6 |
| Freedom II | 6.0 | SRX 27921 | 5.8 | A98-183 | 5.6 |
| SRX 2114 | 6.0 | Odyssey | 5.8 | Bedazzled | 5.6 |
| A98-365 | 6.0 | BAR Pp 0566 | 5.8 | HV 238 | 5.6 |
| H92-558 | 6.0 | Showcase | 5.7 | Everglade | 5.6 |
| Champlain (A98-1275) | 6.0 | Raven | 5.7 | North Star | 5.6 |
| Rambo | 6.0 | BAR Pp 0573 | 5.7 | Impact | 5.6 |
| HV 140 | 6.0 | Pp H 6366 | 5.7 | Total Eclipse | 5.6 |

Table 2. Cont'.

| Cultivar | Visual quality 5-year avg | Cultivar | Visual quality 5-year avg | Cultivar | Visual quality 5-year avg |
|-------------------------|------------------------------|------------------------|------------------------------|------------------|------------------------------|
| Voyager II (PST-1QG-27) | 5.6 | Pp H 7907 | 5.4 | Allure | 5.1 |
| Appalachian (A98-139) | 5.6 | H92-203 | 5.4 | A97-1409 | 5.1 |
| CVB-20631 | 5.6 | Julius | 5.4 | SRX QG245 | 5.1 |
| Wildwood | 5.5 | Cheeta (Pp H 6370) | 5.4 | Lily | 5.1 |
| BAR Pp 0471 | 5.5 | Monte Carlo (A96-402) | 5.4 | Pick 453 | 5.1 |
| Bartitia | 5.5 | Rampart (Pick 417) | 5.4 | NA-K992 | 5.0 |
| Pp H 7929 | 5.5 | Sorbonne (DLF 76-9037) | 5.4 | Washington | 5.0 |
| Blue-Tastic (IB7-308) | 5.5 | PST-604 | 5.4 | Arrow (A97-1567) | 5.0 |
| Baritone | 5.5 | Baronette (Ba 81-058) | 5.4 | DLF 76-9032 | 5.0 |
| Katie (A96-451) | 5.5 | A96-739 | 5.3 | 99AN-53 | 5.0 |
| Langara | 5.5 | Liberator | 5.3 | B5-144 | 5.0 |
| Marquis | 5.5 | Bodacious | 5.3 | DLF 76-9034 | 4.7 |
| Ba 83-113 | 5.5 | Brilliant | 5.3 | GO-9LM9 | 4.4 |
| Casablanca (B3-171) | 5.5 | B5-45 | 5.3 | Wellington | 4.3 |
| PST-B4-246 | 5.5 | BH 00-6002 | 5.3 | Kenblue | 4.3 |
| Limerick | 5.5 | A98-407 | 5.3 | | |
| PST-161 | 5.5 | BAR Pp 0468 | 5.3 | LSD (0.05) | 0.7 |
| Sonoma | 5.5 | PST-H6-150 | 5.3 | | |
| PST-H5-35 | 5.5 | Chelsea | 5.3 | | |
| Dynamo (B3-185) | 5.5 | DLF 76-9036 | 5.3 | | |
| Boomerang | 5.4 | Shamrock | 5.3 | | |
| Eagleton | 5.4 | Goldrush | 5.3 | | |
| Blue Sapphire (NA-K991) | 5.4 | BH 00-6003 | 5.3 | | |
| Ulysses (Pp H 7832) | 5.4 | A96-742 | 5.3 | | |
| Alpine | 5.4 | Limousine | 5.3 | | |
| Mercury (Pick-232) | 5.4 | Abbey | 5.2 | | |
| Ba 82-288 | 5.4 | Moonshine (PST-1804) | 5.2 | | |
| Brooklawn | 5.4 | Fairfax | 5.2 | | |
| A98-1028 | 5.4 | Barzan | 5.2 | | |
| Blue Knight | 5.4 | A97-857 | 5.2 | | |
| Jefferson | 5.4 | Jewel | 5.1 | | |

^a Visual quality ratings were taken using a scale of 1 to 9 with 1 = no living turf, 5 = acceptable turf, and 9 = ideal turf.