

2000 NTEP Kentucky Bluegrass Test – 2002 Results

Dan Weisenberger

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 will be 2 lbs N/1000 ft² with 1 lb applied in mid-September and 1 lb in early November. No irrigation will be applied to the plots.

Data collected in 2002 included genetic color, spring green-up, leaf texture, seed head proliferation, percent living ground cover, and monthly visual quality ratings from Apr to Nov. 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 among the top 75 cultivars (Table 1).
- There are no statistical differences in the top 74 cultivars in the two year average visual quality (Table 2).
- 67 cultivars appear in both of the two above-mentioned groups.
- The data in Table 2 for color, green-up, and leaf texture show that there is great diversity within the species. 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.

Table 1. Visual quality of 173 Kentucky bluegrass cultivars growing under low maintenance in 2002.

Cultivar	Apr	May	June	July	Aug	Sep	Oct	Nov	Avg
H94-293	5.7	7.3	6.7	5.3	4.7	6.0	6.0	6.3	6.0
A98-365	6.3	6.3	6.0	5.3	5.0	6.0	6.0	6.0	5.9
J-1420	6.0	6.7	6.3	4.7	4.7	5.7	6.3	6.7	5.9
A97-1715	6.0	6.3	5.7	5.0	5.0	6.0	6.0	6.7	5.8
B4-128A	7.0	6.0	5.3	5.7	5.0	6.0	5.3	6.0	5.8
Ba 84-140	6.0	7.0	6.7	5.0	4.3	5.7	5.7	6.3	5.8
J-1838	5.7	6.3	6.0	5.0	5.0	6.3	6.0	6.0	5.8
J-2695	5.7	7.3	6.0	5.0	4.0	5.7	6.3	6.7	5.8
A98-139	6.3	6.0	5.7	5.3	4.7	5.3	5.7	6.7	5.7
Ba 00-6001	6.0	6.0	6.0	5.0	4.7	5.3	6.0	6.3	5.7
Chateau	6.3	6.3	6.3	5.3	4.3	5.3	5.7	6.0	5.7
Coventry	6.3	6.3	6.3	4.3	4.7	5.7	5.7	6.0	5.7
Julia	6.3	6.0	5.7	5.0	5.0	6.0	5.3	6.0	5.7
PST-1701	6.7	5.7	6.0	4.7	4.7	6.0	5.7	6.0	5.7
A96-427	6.0	6.3	5.7	5.0	4.7	5.7	5.3	6.3	5.6
B5-43	6.3	6.3	6.0	4.7	4.7	5.3	5.3	6.3	5.6
Baronie	6.7	6.0	5.3	4.7	4.3	6.0	5.7	6.3	5.6
H92-558	6.0	6.7	6.0	4.7	4.0	5.7	5.7	6.0	5.6
HV 140	5.7	6.3	6.3	5.0	4.0	5.3	5.7	6.7	5.6
J-2885	5.7	6.0	5.7	4.7	4.3	6.0	6.0	6.7	5.6
J-2890	5.3	6.7	5.7	4.7	4.3	5.3	6.0	6.7	5.6
NuGlade	5.7	6.0	6.0	4.3	4.3	6.0	6.0	6.3	5.6
Pp H 6366	6.0	6.3	5.7	5.0	4.7	5.7	5.3	6.0	5.6
Rugby II	5.3	6.3	5.7	4.7	4.7	5.7	5.7	6.7	5.6
Lakeshore (A93-200)	6.0	6.0	5.7	4.7	4.3	5.0	6.0	6.0	5.5
Champlain (A98-1275)	5.7	6.3	6.0	5.0	4.7	5.0	5.3	6.0	5.5
Midnight II (A98-739)	5.7	6.7	5.7	4.7	4.3	5.3	5.7	6.3	5.5
A98-881	5.7	6.3	5.3	5.0	4.3	5.0	5.7	6.3	5.5
Bariris	6.0	6.0	6.0	4.7	4.7	5.7	5.3	6.0	5.5
Cabernet	6.3	6.3	5.7	4.3	4.3	5.7	5.7	6.0	5.5
Eagleton	6.0	6.3	6.0	4.7	4.0	5.3	5.7	6.0	5.5
J-1513	5.7	6.0	5.7	4.3	4.3	5.7	6.0	6.7	5.5
Excursion (J-1648)	5.7	6.7	5.3	5.0	4.0	5.3	5.7	6.3	5.5
J-2561	5.3	6.7	5.7	5.0	4.0	5.0	5.7	6.3	5.5
Limerick	6.3	6.3	6.0	5.0	4.3	5.0	5.0	5.7	5.5
Moon Shadow (Pick 113-3)	6.3	6.7	5.3	4.7	4.0	5.3	5.7	5.7	5.5
Princeton 105	6.0	6.3	6.0	5.0	4.3	5.3	5.3	6.0	5.5
Bluestone (PST-731)	6.0	6.3	5.3	4.7	4.3	5.3	5.7	6.3	5.5
PST-B3-170	5.7	6.7	5.7	4.3	4.3	5.3	5.7	6.0	5.5
Raven	5.0	5.0	5.7	4.7	5.3	5.7	5.7	6.7	5.5
Serene	5.7	6.3	6.0	4.7	4.0	5.3	5.7	6.0	5.5
Baron	5.7	5.3	5.0	4.7	5.0	5.7	5.7	6.3	5.4
Blue Ridge (A97-1449)	5.7	6.3	5.7	4.7	4.3	5.3	5.3	5.7	5.4
Midnight	5.3	6.3	5.7	4.7	4.0	5.3	5.7	6.3	5.4
Pp H 7929	5.3	6.0	6.0	5.0	4.0	5.0	5.7	6.3	5.4
Blacksburg II (PST-1BMY)	6.0	6.7	5.3	4.3	4.3	5.3	5.3	5.7	5.4

Rambo	6.0	6.3	5.3	4.3	4.3	5.3	5.7	6.0	5.4
Award	5.3	6.3	6.0	4.3	4.0	5.0	5.3	6.3	5.3
BAR Pp 0573	5.3	6.0	6.0	5.0	4.3	4.7	5.3	5.7	5.3
Baritone	5.7	6.0	5.7	4.3	4.0	5.7	5.0	5.7	5.3
BH 00-6002	6.0	5.3	5.3	4.7	4.7	5.3	5.3	5.7	5.3
Blackstone	5.0	6.0	5.7	4.7	4.3	5.3	5.3	6.0	5.3
Champagne	6.0	5.7	5.3	4.3	4.3	5.7	5.3	6.0	5.3
Chicago II	5.0	6.0	5.7	4.3	3.7	5.3	5.7	6.3	5.3
CVB-20631	5.0	5.7	5.0	5.0	5.0	5.0	5.3	6.0	5.3
Everest	5.3	5.7	5.3	4.3	4.3	5.0	5.7	6.3	5.3
Barrister (J-1665)	5.3	6.7	5.3	4.3	4.0	5.0	5.7	6.0	5.3
Tsunami (J-2487)	5.3	6.7	5.3	4.3	3.7	5.3	5.7	6.3	5.3
Jefferson	6.0	5.7	5.3	4.3	4.3	5.0	5.3	6.0	5.3
Marquis	5.3	5.3	5.7	5.0	5.0	5.3	5.3	5.7	5.3
Pp H 6370	5.7	5.7	4.7	5.0	4.3	5.3	5.7	6.3	5.3
Pp H 7097	5.3	6.0	5.7	4.7	4.0	5.0	6.0	6.0	5.3
Pp H 7832	5.7	6.0	5.0	4.3	4.3	5.3	5.3	6.0	5.3
SRX 26351	5.3	6.3	6.0	4.3	4.0	4.7	5.3	6.0	5.3
SRX 27921	5.7	6.7	6.3	4.7	3.3	5.0	5.3	5.7	5.3
Unique	5.7	5.7	5.7	5.0	4.7	5.3	5.3	5.3	5.3
Unknown	6.0	6.7	5.7	4.7	3.3	5.0	5.3	6.0	5.3
99AN-53	6.0	5.7	5.3	4.7	4.3	5.0	5.0	5.7	5.2
A97-1432	5.0	6.0	5.7	4.3	4.0	5.3	5.3	5.7	5.2
Royce (A98-304)	5.3	6.0	5.3	4.3	4.3	5.0	5.7	5.3	5.2
Apollo	5.3	5.3	5.3	4.7	4.3	5.3	5.3	5.7	5.2
Freedom II	5.7	6.7	5.3	4.3	3.7	5.0	5.0	6.0	5.2
HV 238	6.0	6.0	5.7	4.3	4.0	5.0	5.0	5.3	5.2
Pro Seeds-453	5.0	6.0	5.7	4.0	4.3	5.3	5.3	6.0	5.2
Quantum Leap	5.7	6.0	5.7	4.7	4.0	4.7	5.0	6.0	5.2
A98-1028	5.3	6.0	5.0	4.3	4.0	5.0	5.0	6.0	5.1
A98-183	5.0	5.7	5.3	5.0	4.0	5.0	5.0	5.7	5.1
Arcadia	5.0	6.0	5.7	4.3	4.0	4.7	5.3	6.0	5.1
Ascot	4.7	5.7	6.0	4.7	4.0	5.0	5.3	5.3	5.1
Barzan	5.7	5.0	5.3	4.0	4.0	5.3	5.7	6.0	5.1
Blue Knight	5.0	6.0	5.0	4.7	4.0	5.0	5.0	6.0	5.1
Boomerang	5.0	5.7	5.0	4.7	4.0	5.0	5.7	5.7	5.1
Envicta	4.7	4.7	5.0	4.7	4.7	5.7	5.7	6.0	5.1
Fairfax	5.7	6.7	5.7	4.3	3.7	4.3	5.0	5.3	5.1
Julius	5.3	6.0	5.7	4.7	3.7	5.0	5.0	5.3	5.1
Limousine	6.0	5.7	5.7	4.7	3.7	4.7	5.0	5.7	5.1
Mallard (A97-1439)	5.0	5.3	5.3	4.3	5.0	5.0	5.3	5.3	5.1
Misty	5.7	6.0	6.0	4.0	3.7	4.7	5.3	5.7	5.1
PST-108-79	5.0	6.7	6.0	4.0	4.0	4.7	5.0	5.7	5.1
PST-161	6.0	6.3	5.0	3.7	4.0	4.7	5.7	5.7	5.1
Showcase	6.0	5.0	5.0	5.0	4.3	5.0	5.0	5.3	5.1
Washington	6.3	4.7	5.0	4.3	4.3	5.3	5.0	6.0	5.1
A96-742	5.7	5.0	5.0	4.0	4.0	5.3	5.3	6.0	5.0
Goldstar (A98-296)	5.0	6.0	5.3	4.3	3.7	4.7	5.3	5.3	5.0
A98-407	5.0	6.0	5.3	4.3	4.0	5.0	4.7	5.7	5.0
Abbey	5.0	4.3	5.3	4.7	4.3	5.3	5.3	5.7	5.0
Allure	5.7	6.0	5.7	4.7	4.0	4.3	4.7	5.3	5.0

DLF 76-9034	6.0	4.7	5.3	4.0	3.7	5.3	5.3	5.7	5.0
J-1368	5.3	5.3	5.0	4.3	4.0	5.0	5.3	6.0	5.0
J-1515	6.0	6.0	5.3	4.3	3.3	4.7	5.3	5.3	5.0
Beyond (J-1880)	4.7	5.3	5.3	4.3	4.3	5.3	5.3	5.7	5.0
Lily	5.0	5.7	5.7	4.3	4.0	4.7	4.7	5.7	5.0
NA-K991	5.0	6.0	5.7	4.3	4.0	5.0	5.0	5.3	5.0
Odyssey	4.7	6.0	5.3	4.0	3.7	5.0	5.7	6.0	5.0
SI A96-386	5.0	5.7	5.7	4.0	4.0	4.7	5.3	5.7	5.0
SRX 2114	5.0	6.3	5.3	4.0	3.7	5.0	5.3	5.7	5.0
B3-171	5.0	5.0	5.0	4.0	4.3	5.0	5.3	5.3	4.9
B5-144	6.0	6.0	5.7	4.3	3.7	4.0	4.7	5.0	4.9
B5-45	5.7	5.7	6.0	4.7	3.7	4.3	4.7	4.7	4.9
BAR Pp 0566	5.7	5.7	5.3	4.0	3.7	4.3	5.0	5.7	4.9
Bratitia	4.3	5.0	5.3	4.0	4.3	5.0	5.3	6.0	4.9
Brooklawn	5.7	6.0	5.0	4.3	3.3	4.7	4.7	5.3	4.9
Chelsea	5.3	5.3	5.3	3.7	3.7	4.7	5.3	5.7	4.9
PST-222	5.0	5.3	5.3	4.3	4.0	5.0	5.0	5.3	4.9
PST-604	5.7	5.7	4.7	4.0	3.7	4.7	5.0	6.0	4.9
PST-B5-89	5.0	5.7	5.7	4.3	4.0	4.7	5.0	5.0	4.9
Rita	5.3	5.7	4.7	4.0	4.0	5.0	5.0	5.3	4.9
SR 2284 (SRX 2284)	4.7	5.7	5.3	4.0	4.0	4.7	5.0	5.7	4.9
A96-451	4.7	5.0	5.0	4.7	3.7	5.0	5.0	5.3	4.8
A97-1330	4.7	5.3	5.3	4.3	3.7	4.7	5.0	5.3	4.8
BH 00-6003	4.3	5.0	5.3	4.3	4.0	4.7	5.0	6.0	4.8
Bodacious	4.7	5.3	5.0	4.3	3.7	4.7	5.3	5.3	4.8
DLF 76-9036	5.0	4.3	5.0	4.0	3.7	5.0	5.0	6.0	4.8
H92-203	5.0	5.0	5.3	4.3	4.0	4.7	5.0	5.0	4.8
Impact	4.3	6.0	5.0	4.3	3.3	4.3	5.0	5.7	4.8
Jewel	5.7	5.3	4.7	3.7	3.7	4.7	5.0	6.0	4.8
North Star	5.0	5.7	5.0	4.0	3.7	4.3	5.0	5.7	4.8
Pick-232	5.0	5.3	4.7	4.3	4.0	4.7	4.7	5.7	4.8
PST-1QG-27	5.0	5.3	4.7	4.3	4.0	4.7	5.0	5.7	4.8
PST-H5-35	5.0	6.0	5.0	4.0	3.3	4.3	4.7	5.7	4.8
PST-York Harbor 4	4.7	6.0	5.0	4.0	3.3	4.7	4.7	5.7	4.8
SRX OG245	5.3	5.3	4.3	3.7	3.3	5.0	5.0	6.0	4.8
A97-857	5.3	5.3	4.3	3.3	3.3	4.3	5.3	6.0	4.7
B3-185	4.7	5.0	5.0	4.3	4.0	4.7	5.0	5.0	4.7
Baronette (Ba 81-058)	5.0	5.3	5.0	4.0	3.3	4.3	4.7	5.7	4.7
Ba 82-288	5.3	5.7	4.7	4.0	3.3	4.7	4.7	5.3	4.7
BAR Pp 0471	4.7	5.0	5.0	4.0	4.0	4.3	5.0	5.3	4.7
Bordeaux	4.7	5.7	5.0	4.0	3.3	4.7	4.7	5.3	4.7
Everglade	5.0	5.3	5.3	3.7	3.0	4.3	5.3	5.7	4.7
IB7-308	4.7	5.3	5.7	4.3	3.7	4.3	4.7	5.0	4.7
Pick 417	5.0	5.7	4.7	4.0	3.3	4.3	5.0	5.3	4.7
PST-B5-125	5.0	5.3	4.7	4.3	3.3	4.7	5.0	5.3	4.7
Total Eclipse	5.0	5.3	5.0	3.7	3.7	4.3	5.3	5.3	4.7
A96-739	5.0	5.3	4.3	4.0	3.7	4.3	5.0	5.0	4.6
Ba 83-113	5.0	5.0	5.0	4.3	3.3	4.0	4.7	5.7	4.6
Boutique	4.3	5.3	5.3	4.0	3.3	4.3	4.7	5.3	4.6
Goldrush	4.0	4.7	4.7	4.3	3.7	5.0	4.7	5.7	4.6
Hallmark	4.7	6.0	4.7	4.0	3.3	4.0	4.7	5.3	4.6

PST-1804	5.0	5.3	4.7	4.0	3.7	4.7	4.7	5.0	4.6
Shamrock	5.3	5.7	4.7	3.7	3.7	4.0	4.3	5.3	4.6
A97-1409	4.0	5.0	5.0	4.3	3.3	4.7	4.7	5.3	4.5
Arrow (A97-1567)	5.0	4.7	4.7	4.0	3.3	4.3	4.7	5.0	4.5
Bedazzled	5.0	5.0	4.3	4.3	3.3	4.3	4.7	4.7	4.5
Langara	4.7	5.3	5.0	4.0	3.7	4.0	4.3	4.7	4.5
Liberator	4.7	5.3	4.7	4.0	3.3	4.3	4.7	5.3	4.5
NA-K992	5.7	4.7	4.0	3.7	3.0	4.7	5.0	5.0	4.5
Pick 453	5.0	5.0	4.7	4.0	3.3	4.3	4.7	5.0	4.5
PST-H6-150	5.0	4.7	4.7	4.3	3.7	4.3	4.7	5.0	4.5
Royale (A97-1336)	5.0	5.3	4.7	3.7	3.7	4.3	5.0	4.7	4.5
Sonoma	4.7	5.0	4.7	4.0	3.3	4.7	4.7	5.3	4.5
Wellington	5.7	4.3	3.7	3.7	3.3	4.3	4.7	6.0	4.5
Wildwood	5.0	5.0	4.7	3.7	3.3	4.0	4.7	5.7	4.5
GO-9LM9	5.7	3.3	3.7	3.3	3.7	4.3	5.3	5.7	4.4
Monte Carlo (A96-402)	5.0	4.7	4.3	4.0	3.7	4.0	4.7	5.0	4.4
PST-B4-246	4.3	5.0	5.0	3.7	3.3	4.3	4.7	5.0	4.4
Alpine	5.0	5.0	4.7	3.3	2.7	3.7	4.7	5.0	4.3
BAR Pp 0468	4.7	4.7	4.3	4.0	3.3	4.0	4.7	5.0	4.3
DLF 76-9032	4.0	4.7	4.3	4.0	3.0	4.0	4.7	5.3	4.3
DLF 76-9037	4.3	5.0	4.7	3.7	3.0	4.3	4.3	5.0	4.3
Kenblue	5.7	4.0	3.3	3.7	3.0	4.3	4.7	6.0	4.3
Moonlight	4.3	4.7	5.0	4.0	3.3	4.3	4.3	4.3	4.3
SRX 2394	4.0	4.3	4.7	4.3	3.3	4.0	4.7	4.7	4.3
Brilliant	4.3	4.7	4.0	3.7	3.7	4.3	4.3	4.7	4.2
LSD (0.05)	1.1	1.3	1.1	1.1	1.2	1.1	1.0	1.1	0.9

^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.

Table 2. Color, green-up, leaf texture, percent cover and seed heads related in 2002; and yearly average visual quality for 2001, 2002 and two year average of 173 Kentucky bluegrass cultivars growing under low maintenance in 2002.

Cultivar	2002					Visual quality ^f		
	Genetic color ^a	Spring green-up ^b	Leaf texture ^c	% cover ^d	Seed heads ^e	2001	2002	Avg
PST-1701	6.0	6.0	6.3	99.0	9.0	6.3	5.7	6.0
A97-1715	7.0	4.7	6.0	98.0	8.7	6.0	5.8	5.9
Baronie	6.3	6.3	6.0	99.0	8.3	6.2	5.6	5.9
H94-293	7.0	5.7	6.0	99.0	8.3	5.8	6.0	5.9
J-1420	7.0	3.7	6.0	99.0	9.0	5.8	5.9	5.9
HV 140	6.7	3.7	6.0	99.0	7.3	5.9	5.6	5.8
J-2695	7.0	3.3	6.0	98.7	9.0	5.8	5.8	5.8
Julia	6.0	5.3	6.0	99.0	8.3	6.0	5.7	5.8
A96-427	7.0	5.3	6.0	98.7	7.3	5.8	5.6	5.7
Chateau	6.0	4.3	5.7	99.0	7.0	5.6	5.7	5.7
Coventry	5.7	4.3	6.0	99.0	8.3	5.8	5.7	5.7
Eagleton	5.7	4.3	5.7	98.7	8.7	5.9	5.5	5.7
H92-558	7.0	4.3	5.3	99.0	8.0	5.8	5.6	5.7
Moon Shadow (Pick 113-3)	6.3	4.3	6.0	99.0	8.3	5.9	5.5	5.7
A98-139	6.7	5.7	6.0	98.7	8.0	5.5	5.7	5.6
A98-365	7.3	5.0	6.3	99.0	8.0	5.4	5.9	5.6
Midnight II (A98-739)	7.7	3.7	5.7	98.3	8.7	5.8	5.5	5.6
B4-128A	6.3	5.0	6.3	99.0	8.7	5.5	5.8	5.6
Ba 84-140	8.7	5.3	6.3	98.7	8.3	5.4	5.8	5.6
Bariris	6.0	4.3	6.0	98.3	8.0	5.6	5.5	5.6
Baron	6.3	4.7	6.0	99.0	7.7	5.8	5.4	5.6
Cabernet	6.3	4.7	6.7	99.0	8.0	5.7	5.5	5.6
J-1838	7.3	3.7	5.7	99.0	9.0	5.4	5.8	5.6
J-2885	7.0	4.3	6.0	98.7	8.7	5.6	5.6	5.6
Midnight	7.0	3.3	6.0	98.7	8.0	5.8	5.4	5.6
NuGlade	7.0	3.3	6.0	99.0	8.7	5.5	5.6	5.6
Pp H 6370	6.3	5.3	6.7	99.0	8.0	5.9	5.3	5.6
Blacksburg II (PST-1BMY)	7.3	5.0	6.0	98.7	8.0	5.8	5.4	5.6
Bluestone (PST-731)	7.0	3.7	6.0	98.7	8.7	5.6	5.5	5.6
Rambo	6.7	4.3	6.0	99.0	7.7	5.9	5.4	5.6
Raven	6.0	3.7	5.7	99.0	8.3	5.7	5.5	5.6
Lakeshore (A93-200)	6.3	5.0	6.0	99.0	7.7	5.6	5.5	5.5
Champlain (A98-1275)	6.3	4.0	6.0	98.3	9.0	5.5	5.5	5.5
A98-881	6.3	4.7	6.0	99.0	8.0	5.5	5.5	5.5
Ba 00-6001	7.0	4.0	6.0	98.7	7.7	5.4	5.7	5.5
Baritone	6.3	4.3	6.0	98.7	8.0	5.7	5.3	5.5
HV 238	6.7	4.7	6.0	98.0	8.7	5.8	5.2	5.5
J-1513	7.0	4.0	6.0	98.7	8.7	5.4	5.5	5.5
Excursion (J-1648)	7.3	4.3	6.0	99.0	9.0	5.5	5.5	5.5
Barrister (J-1665)	7.3	3.7	6.0	98.3	9.0	5.6	5.3	5.5
Tsunami (J-2487)	7.3	3.3	6.0	98.7	9.0	5.7	5.3	5.5
Jefferson	6.3	5.0	6.0	98.7	8.0	5.7	5.3	5.5

Limerick	6.0	3.7	6.0	98.7	7.3	5.6	5.5	5.5
Marquis	6.7	4.0	5.7	99.0	8.7	5.7	5.3	5.5
Princeton 105	6.3	4.3	5.7	98.0	8.3	5.5	5.5	5.5
PST-B3-170	6.7	4.3	6.0	98.0	8.3	5.5	5.5	5.5
Rugby II	7.0	4.0	6.0	98.7	9.0	5.5	5.6	5.5
Serene	6.3	4.3	5.7	98.3	8.0	5.5	5.5	5.5
Unique	6.7	5.3	6.0	96.0	8.7	5.8	5.3	5.5
Unknown	7.0	3.3	6.0	98.7	9.0	5.7	5.3	5.5
Award	7.0	3.7	5.7	98.3	9.0	5.5	5.3	5.4
B5-43	6.0	5.3	5.7	98.7	7.0	5.2	5.6	5.4
BH 00-6002	6.0	5.7	6.0	98.3	8.7	5.5	5.3	5.4
Blackstone	7.0	4.7	6.3	98.7	8.7	5.6	5.3	5.4
Champagne	6.7	4.3	5.7	99.0	8.3	5.4	5.3	5.4
Fairfax	6.0	4.7	6.0	97.7	7.7	5.6	5.1	5.4
Freedom II	7.0	4.0	6.0	98.3	9.0	5.5	5.2	5.4
J-2890	7.3	4.0	6.0	99.0	9.0	5.3	5.6	5.4
Pp H 6366	6.0	4.7	6.7	99.0	8.7	5.3	5.6	5.4
Pro Seeds-453	6.7	4.7	6.0	98.3	7.7	5.5	5.2	5.4
SRX 26351	6.3	3.7	7.0	99.0	7.0	5.6	5.3	5.4
A96-742	6.3	5.0	6.0	98.7	7.7	5.5	5.0	5.3
Royce (A98-304)	6.0	4.3	6.0	98.7	8.0	5.4	5.2	5.3
Blue Ridge (A97-1449)	7.7	5.7	6.0	98.3	6.7	5.2	5.4	5.3
Chicago II	8.0	4.0	5.7	98.3	8.3	5.3	5.3	5.3
Envicta	6.0	3.7	5.7	98.7	8.0	5.5	5.1	5.3
J-1515	7.0	3.7	5.7	98.3	9.0	5.6	5.0	5.3
J-2561	7.0	3.7	6.0	98.3	8.7	5.0	5.5	5.3
Misty	6.3	4.3	6.0	98.3	8.0	5.4	5.1	5.3
Pp H 7097	7.0	4.0	6.0	98.7	7.7	5.2	5.3	5.3
Pp H 7929	6.0	4.0	6.0	99.0	7.0	5.2	5.4	5.3
PST-161	6.7	4.7	5.3	98.3	9.0	5.4	5.1	5.3
Quantum Leap	7.3	3.7	5.7	98.7	8.7	5.4	5.2	5.3
Washington	6.0	6.3	6.7	98.7	9.0	5.5	5.1	5.3
99AN-53	7.0	4.3	6.0	98.7	8.0	5.2	5.2	5.2
A98-1028	6.3	4.3	6.0	98.7	7.3	5.3	5.1	5.2
Arcadia	7.0	3.3	6.0	98.3	8.7	5.3	5.1	5.2
Ascot	7.0	3.0	6.0	98.0	7.0	5.3	5.1	5.2
Boomerang	7.3	4.0	6.0	98.7	7.7	5.3	5.1	5.2
Brooklawn	6.3	4.3	5.7	98.0	7.3	5.5	4.9	5.2
J-1368	7.0	3.3	5.7	98.3	9.0	5.3	5.0	5.2
Limousine	6.3	4.3	6.3	98.3	7.7	5.3	5.1	5.2
Mallard (A97-1439)	7.0	4.7	5.7	98.0	6.7	5.4	5.1	5.2
Odyssey	7.0	3.3	6.0	98.7	9.0	5.3	5.0	5.2
Pp H 7832	7.0	4.3	6.0	98.7	8.0	5.2	5.3	5.2
PST-108-79	6.0	3.7	7.0	99.0	8.7	5.3	5.1	5.2
SRX 2114	7.0	4.0	6.0	98.0	8.7	5.4	5.0	5.2
SRX 27921	7.0	4.0	6.0	98.3	7.0	5.1	5.3	5.2
Goldstar (A98-296)	6.7	4.7	5.3	97.7	7.0	5.3	5.0	5.1
Abbey	6.3	3.3	5.0	98.3	7.3	5.1	5.0	5.1
Allure	6.0	4.0	5.0	97.7	6.7	5.1	5.0	5.1
Apollo	6.3	5.3	6.0	98.3	8.0	5.0	5.2	5.1
Barzan	6.0	3.7	6.0	98.7	6.7	5.2	5.1	5.1

Bratitia	6.0	3.7	5.7	98.7	8.0	5.3	4.9	5.1
DLF 76-9036	6.0	4.0	5.3	98.3	7.7	5.5	4.8	5.1
Everest	7.0	3.3	5.7	98.3	8.7	5.0	5.3	5.1
Jewel	6.7	4.3	6.0	98.7	8.3	5.4	4.8	5.1
PST-York Harbor 4	7.0	4.0	6.3	98.0	8.0	5.4	4.8	5.1
Rita	6.7	5.3	5.7	98.0	8.3	5.3	4.9	5.1
Showcase	6.3	5.7	6.0	98.0	7.3	5.2	5.1	5.1
SI A96-386	6.7	4.3	5.7	98.3	9.0	5.3	5.0	5.1
A96-451	7.3	4.3	5.7	98.0	7.3	5.1	4.8	5.0
A97-1432	6.7	5.3	6.0	98.7	8.3	4.9	5.2	5.0
A98-183	7.0	4.3	5.7	98.3	8.3	5.0	5.1	5.0
B5-144	6.0	4.7	5.3	93.7	7.3	5.2	4.9	5.0
B5-45	6.0	4.3	5.7	97.7	7.0	5.1	4.9	5.0
Ba 82-288	6.7	4.7	6.0	98.0	8.0	5.2	4.7	5.0
Ba 83-113	7.0	4.3	5.7	97.3	5.7	5.3	4.6	5.0
BAR Pp 0573	6.7	5.0	6.0	97.7	5.3	4.7	5.3	5.0
Blue Knight	7.0	4.3	6.3	98.7	7.0	4.9	5.1	5.0
CVB-20631	6.0	3.3	6.3	98.7	7.0	4.7	5.3	5.0
GO-9LM9	6.7	5.7	6.3	98.3	9.0	5.5	4.4	5.0
Julius	6.0	3.7	6.3	99.0	7.3	5.0	5.1	5.0
North Star	7.0	3.0	6.0	96.0	8.0	5.2	4.8	5.0
PST-604	7.0	5.7	6.0	97.7	7.7	5.1	4.9	5.0
Shamrock	6.7	4.7	6.0	97.3	7.3	5.3	4.6	5.0
SR 2284 (SRX 2284)	7.0	5.7	5.7	98.7	7.0	5.2	4.9	5.0
SRX OG245	7.0	5.3	6.7	98.7	8.3	5.2	4.8	5.0
A97-1330	6.0	4.3	6.0	98.0	8.0	5.0	4.8	4.9
A97-857	6.0	4.0	6.7	99.0	8.0	5.1	4.7	4.9
A98-407	7.7	5.0	4.7	96.0	5.3	4.8	5.0	4.9
B3-171	6.3	4.7	6.0	98.3	7.7	4.8	4.9	4.9
BAR Pp 0566	7.0	4.7	5.7	97.7	8.0	4.8	4.9	4.9
Bodacious	7.3	4.0	6.3	98.3	7.0	5.0	4.8	4.9
Goldrush	6.3	3.3	6.0	98.3	7.7	5.1	4.6	4.9
Impact	7.0	3.3	5.7	98.3	9.0	5.0	4.8	4.9
Beyond (J-1880)	7.3	4.7	5.7	96.0	8.0	4.8	5.0	4.9
Kenblue	6.3	5.3	7.0	98.7	9.0	5.4	4.3	4.9
Lily	6.0	4.3	5.3	98.0	7.7	4.8	5.0	4.9
NA-K991	8.0	4.3	6.0	98.3	8.7	4.8	5.0	4.9
Pick 417	7.0	4.3	5.0	97.7	8.0	5.1	4.7	4.9
PST-1QG-27	6.0	4.3	6.0	98.0	8.0	5.0	4.8	4.9
PST-222	7.7	5.0	5.3	98.3	6.7	5.0	4.9	4.9
PST-B5-125	6.7	4.0	6.0	98.3	8.3	5.2	4.7	4.9
PST-B5-89	7.7	5.0	5.3	98.0	8.7	4.9	4.9	4.9
Wildwood	6.7	3.7	6.3	97.7	8.3	5.4	4.5	4.9
A96-739	7.0	4.7	5.7	97.3	6.7	5.0	4.6	4.8
Arrow (A97-1567)	6.7	4.3	5.0	97.7	7.3	5.1	4.5	4.8
Baronette (Ba 81-058)	6.7	4.7	6.0	97.7	8.0	5.0	4.7	4.8
Bedazzled	7.0	5.0	5.7	97.3	8.3	5.0	4.5	4.8
BH 00-6003	7.7	4.0	5.0	98.3	7.3	4.8	4.8	4.8
Bordeaux	7.0	4.3	6.0	97.7	7.0	5.0	4.7	4.8
Chelsea	6.3	4.0	7.0	98.7	7.0	4.7	4.9	4.8
DLF 76-9034	6.0	5.0	5.3	98.7	8.3	4.7	5.0	4.8

H92-203	6.3	5.0	6.0	98.0	8.0	4.9	4.8	4.8
Hallmark	6.7	4.0	6.0	97.7	8.7	5.0	4.6	4.8
IB7-308	7.3	5.0	5.3	97.3	8.0	4.9	4.7	4.8
Pick 453	8.0	4.0	4.7	97.0	8.0	5.1	4.5	4.8
Pick-232	6.7	4.3	6.0	98.3	6.3	4.9	4.8	4.8
PST-1804	6.0	4.0	5.7	98.0	7.7	5.0	4.6	4.8
PST-H5-35	7.0	4.0	5.7	98.0	8.0	4.8	4.8	4.8
Royale (A97-1336)	6.7	4.7	5.7	97.7	7.3	5.0	4.5	4.8
Sonoma	6.7	4.0	6.0	98.0	8.0	5.0	4.5	4.8
Total Eclipse	7.0	3.3	5.7	98.3	8.0	5.0	4.7	4.8
Wellington	6.0	5.0	7.0	98.3	9.0	5.2	4.5	4.8
Alpine	6.3	3.0	6.3	97.3	8.0	5.2	4.3	4.7
BAR Pp 0471	6.3	5.0	6.0	97.7	8.0	4.8	4.7	4.7
Boutique	7.0	5.0	5.7	98.0	7.7	4.8	4.6	4.7
Everglade	7.3	3.7	5.7	98.3	8.7	4.8	4.7	4.7
Liberator	7.0	4.0	5.7	98.0	8.0	4.8	4.5	4.7
NA-K992	7.7	4.3	6.0	98.0	5.3	5.0	4.5	4.7
PST-H6-150	6.0	4.7	6.0	97.3	7.0	4.8	4.5	4.7
B3-185	6.0	4.3	6.0	98.0	8.3	4.6	4.7	4.6
DLF 76-9037	6.3	4.0	6.0	97.7	7.7	4.9	4.3	4.6
Langara	7.0	5.0	5.7	96.7	7.7	4.8	4.5	4.6
Monte Carlo (A96-402)	7.0	4.7	4.7	97.7	8.0	4.9	4.4	4.6
PST-B4-246	7.0	4.0	6.0	97.3	8.7	4.8	4.4	4.6
A97-1409	7.0	4.7	5.7	97.3	7.7	4.5	4.5	4.5
SRX 2394	7.0	4.7	6.0	96.0	8.0	4.7	4.3	4.5
BAR Pp 0468	6.0	4.0	6.3	97.3	7.3	4.5	4.3	4.4
Moonlight	7.7	4.7	4.7	96.7	8.7	4.5	4.3	4.4
Brilliant	6.7	4.7	6.3	97.7	8.7	4.5	4.2	4.3
DLF 76-9032	7.0	4.7	6.3	97.7	8.3	4.3	4.3	4.3
LSD (0.05)	0.6	1.1	0.7	NS	0.9	0.8	0.9	0.8

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

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

^c Leaf texture was rated visually on 8 Aug on a scale of 1 to 9 where 1 = coarse bladed and 9 = very fine bladed.

^d Percent of plot area covered by desired species.

^e Seedheads were rated on a scale of 1 to 9 where 1 = high seedhead production and 9 = no visual seedheads

^f Visual quality ratings were taken monthly using a scale of 1 to 9 with 1 = no living turf, 5 = acceptable turf, and 9 = ideal turf. Monthly ratings were averaged for the yearly average.