

## 2003 Fairway Height Bentgrass Cultivar Trial

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This is the first year of data collection from the new fairway height bentgrass trial that was established in the fall of 2003. The area was maintained at a 0.5 inch mowing height. This is a National Turfgrass Evaluation (NTEP) trial and is being conducted at several research stations in the U.S. It contains 28 of the newest seeded cultivars and a number of experimentals. The cultivars are maintained with 4 lbs of N/1000 ft<sup>2</sup>/growing season. Fungicides are used as needed in a preventative program. Herbicides and insecticides are also applied as needed.

The visual quality was evaluated monthly in 2004 from April through October (Table 1). The values listed under each month in Table 1 are the averages of visual quality ratings made on three replicated plots. Visual quality was based on a scale of 9 to 1: 9 = best quality, 6 = lowest acceptable quality, and 1 = worst quality. The yearly average of the monthly data for each cultivar was calculated and is listed in the last column (Mean). The first cultivar listed in Table 1 had the highest average visual quality rating for the entire 2004 season. The cultivars are listed in descending order by average quality. The last row states the LSD (least significant difference), which is a statistical measurement of how widely the datum in each column must vary before they are considered to be different from one another.

Data for genetic color (Gen Color) and leaf texture (Leaf Tex) were also collected in June 2004. Percent cover data (PctEstab) were collected late in the fall of 2003. Genetic color was rated using a 9 to 1 scale with 9 = dark and 1 = light green. Leaf texture was assessed with a 9 to 1 scale with 9 = fine and 1 = coarse texture.

**Table 1.** 2004 visual quality and other ratings for the Fairway Height Bentgrass Cultivar Trial. All cultivars are creeping bentgrass, with the exception of Bardot, Tiger II, IS-AT 7, SR 7150, PST-9NBC, and PST-9VN which are colonial bentgrasses.

Bentgrass Cultivar	GenColor	LeafTex	PctEstab	-----Visual Quality-----							Mean
				Apr	May	Jun	Jul	Aug	Sep	Oct	
Declaration	8.0	8.0	63.3	6.0	6.7	7.7	8.0	7.3	8.0	8.0	7.4
T-1	9.0	6.7	58.3	6.3	6.3	6.3	7.3	7.7	8.7	9.0	7.4
L-93	7.3	7.7	68.3	6.3	6.3	6.7	7.0	7.3	8.0	8.3	7.1
Penneagle II	8.7	7.3	60.0	5.3	6.0	7.7	7.3	7.3	7.7	8.3	7.1
23R	8.0	8.3	60.0	5.3	6.7	7.0	7.3	7.3	7.7	7.7	7.0
Alpha	8.3	7.0	63.3	5.0	6.0	7.0	7.0	7.7	8.3	7.3	6.9
Pennlinks II	8.3	7.7	63.3	6.3	6.3	7.0	6.7	6.3	7.7	7.7	6.9
Independence	7.7	7.3	63.3	5.7	6.0	6.7	7.3	7.0	7.3	7.7	6.8
Bengal	7.7	7.3	60.0	5.7	6.7	6.0	6.7	6.7	7.3	7.3	6.6
LS-44	7.7	7.0	63.3	5.7	5.7	6.3	7.0	7.0	7.7	6.7	6.6
235050	7.7	7.7	57.0	5.3	6.0	6.0	7.0	7.3	6.7	7.0	6.5
IS-AP 14	7.0	7.3	68.3	5.7	6.0	6.3	6.7	7.0	7.3	6.3	6.5
PST-OEB	8.3	6.3	51.7	5.0	5.3	5.7	6.7	7.7	8.0	7.3	6.5
SR 1119	8.3	6.7	58.3	5.0	5.0	6.0	6.3	7.3	8.3	7.3	6.5
13-M	6.7	7.0	61.7	5.0	6.0	6.0	7.0	7.0	7.3	6.3	6.4
Kingpin (9200)	8.7	6.0	58.3	4.7	5.3	5.3	6.7	7.0	8.0	7.7	6.4
Penncross	7.7	5.7	66.7	6.0	6.3	5.7	6.0	7.0	7.7	5.7	6.3
SRX 1GPD	7.7	7.3	60.0	5.3	6.0	6.0	6.0	6.3	7.0	7.7	6.3
SRX 1PDH	7.3	6.7	58.3	5.3	5.7	6.0	7.0	6.0	7.3	6.7	6.3
Princeville	7.7	6.3	70.0	6.3	5.7	6.0	6.0	6.0	7.7	5.7	6.2
IS-AT 7	8.0	5.7	56.7	5.0	4.7	4.3	5.3	6.0	7.3	6.7	5.6
EWTR	7.3	5.7	60.0	4.0	3.7	4.3	5.7	6.3	7.7	6.7	5.5
SR 7150	8.3	5.7	48.3	4.7	4.0	4.3	5.3	5.7	7.3	7.0	5.5
Bardot	7.7	5.3	50.0	4.0	3.7	4.3	5.0	5.7	7.0	7.0	5.2
PST-9VN	7.7	5.7	55.0	4.0	4.0	3.7	5.0	5.3	7.3	6.3	5.1
Seaside	5.7	5.7	80.0	7.0	4.3	5.0	4.3	5.0	5.0	5.0	5.1
Tiger II	7.3	5.3	56.7	4.3	3.7	3.7	5.0	5.3	7.3	6.3	5.1
PST-9NBC	7.7	5.0	51.7	4.3	4.0	4.3	4.7	5.3	6.3	6.0	5.0
CV	7.4	12.4	10.7	11.6	14.1	12.7	10.3	12.0	10.3	11.2	6.1
LSD	1.0	1.4	11.6	1.0	1.2	1.2	1.0	1.4	1.5	1.3	0.6