

## Fairway Height Bentgrass Study - Established 1993

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This is the third year of data from the Fairway Height Bentgrass Cultivar trial established in the fall of 1993. Data collection began after the cultivars were fully established in July, 1994. The area is maintained at a 0.5-inch mowing height. This is a National Turfgrass Evaluation Program (NTEP) trial and is being conducted at several research stations in the U.S. It contains 21 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 applied as needed.

Table 1 contains monthly visual quality ratings for the 1996 season. Visual quality is based on a 9 to 1 scale: 9 = best quality, 6 = lowest acceptable quality, and 1 = poorest quality. Data on genetic color (Gcolor), leaf texture (Ltex), greenup, winter kill (Wkill), and (Grnup) ratings are also included.

The highest rated cultivar in 1996 was 18th Green followed by Trueline and Lopez. The first thirteen cultivars are statistically the same.

**Table 1.** The 1996 quality ratings for the fairway height bentgrass study.

	Cultivar	Gcolor	Ltex	Wkill	Grnup	Quality						Mean
						May	June	July	Aug	Sept	Oct	
1	18th Green	8.0	6.7	56.7	6.0	6.7	7.3	7.0	6.7	6.7	6.0	6.7
2	Trueline	6.7	6.3	50.0	5.3	6.3	7.0	6.7	6.3	7.3	6.3	6.7
3	Lopez	7.7	7.0	50.0	5.3	6.0	7.3	6.7	6.3	6.7	6.3	6.6
4	Penncross	7.0	5.7	50.0	5.3	5.3	6.7	7.3	5.7	6.7	6.3	6.3
5	Pro/Cup	7.3	6.7	63.3	5.3	5.0	7.0	7.0	6.3	6.3	6.0	6.3
6	Crenshaw	7.7	7.0	63.3	6.0	4.0	6.7	6.7	6.7	6.7	6.3	6.2
7	Seaside	6.7	6.0	23.3	7.7	6.7	5.7	5.7	5.3	7.0	6.7	6.2
8	OM-AT-90163	6.3	7.0	33.3	7.3	6.7	6.0	5.3	5.3	6.7	6.3	6.1
9	Providence	7.7	6.7	56.7	5.0	5.3	6.3	6.3	6.3	6.0	6.0	6.1
10	Southshore	6.7	6.7	70.0	4.7	3.3	6.0	6.3	6.3	7.3	7.0	6.1
11	ISI-AT-90162*	6.7	7.0	36.7	6.7	6.0	6.0	6.0	5.0	6.0	7.0	6.0
12	Penneagle	7.7	7.3	70.0	4.3	4.0	6.7	6.3	6.7	6.0	6.0	5.9
13	SR 7100	6.7	7.3	36.7	7.7	5.7	7.0	5.3	5.3	6.0	6.3	5.9
14	Cato	7.7	6.7	70.0	5.0	3.0	6.0	6.7	6.0	6.3	6.0	5.7
15	Bar WS 42102	7.0	8.0	76.7	4.7	3.0	5.3	6.3	5.3	7.0	6.3	5.6
16	Penn G-2 (G-2)	6.3	6.3	76.7	5.3	3.3	5.0	6.0	5.0	7.0	7.0	5.6
17	Seaside II (DF-1)	7.0	7.0	80.0	4.3	2.7	6.0	6.3	6.3	6.0	6.3	5.6
18	Tendenz	6.3	7.0	40.0	7.0	6.0	5.3	5.0	5.0	5.3	6.7	5.6
19	Bar AS 492	6.3	7.3	73.3	4.7	3.7	5.3	5.3	5.3	5.7	7.0	5.4
20	Penn G-6 (G-6)	6.7	6.7	80.0	4.3	2.7	5.7	6.0	6.0	5.3	6.7	5.4
21	Exeter	7.0	6.7	66.7	6.7	4.0	5.0	5.3	5.0	5.7	6.7	5.3
	LSD <sub>(0.05)</sub>	2.2	NS	14.7	0.9	1.6	1.3	1.5	1.1	2.9	NS	0.9

\* Colonial Bentgrass

Gcolor (Genetic color): 9 = dark green and 1 = light green. Ltex (Leaf texture): 9 = fine and 1 = coarse.

Wkill (Winter kill): numbers represent % area killed. Grnup (Greenup): 9 = best and 1 = poorest greenup.

Quality based on a 9 to 1 scale: 9 = best quality, 6 = lowest acceptable quality, and 1 = poorest quality.

NS = means are not significantly different at the 0.05 level.