

**BENTGRASS EVALUATIONS AT THE  
HANCOCK TURFGRASS RESEARCH CENTER**  
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Three bentgrass variety trials are currently being evaluated at the Hancock Turfgrass Research Center. They are the 1989 and 1993 National Turfgrass Evaluation Program (NTEP) bentgrass trials at greens height and the NTEP bentgrass trial at fairway/tee height. Monthly ratings for quality and disease outbreaks have been taken on these trials since their establishment. Ratings are based on a 1-9 scale with a score of 1 indicating a dead plot and 9 being highest quality or no disease. The 1989 trial has been rated monthly for quality since the fall of 1990. Additionally dollar spot ratings were taken in 1993 and 1994, Typhula blight ratings were taken in 1993 and brown patch ratings were taken in 1995 (Table 1). The 1993 greens trial has been rated monthly for quality since the fall of 1994 and brown patch data was collected in 1995 (Table 2). The 1993 fairway/tee trial has been rated for quality since the fall of 1994 and dollar spot data was collected in 1995 (Table 3).

Overall 'Providence' was the best performer from the 1989 trial at greens height. However, 'Penncross' and MSCB-6 were also in the top statistical group for all categories evaluated. Limited data has been collected to date from the 1993 trial at greens height. The early leaders are L-93, (experimental from Loft's seed), 'Cato', 'Providence', and 'Southshore'. These four cultivars were in the top statistical group for quality and brown patch tolerance in 1995. The leading varieties from the 1993 trial at fairway/tee height are DF-1(experimental from Tee-2-Green), 'Southshore', and SR7100 which is an experimental colonial bentgrass from Seed Research. DF-1 had the highest overall score, however, all four of these cultivars were in the top statistical group for quality and dollar spot tolerance in 1995. Additionally, the cultivar 'Penneagle' had the highest overall quality but was not in the top group for dollar spot resistance.

**Table 1.** Data from the 1989 NTEP bentgrass variety trial at greens height.

Entry	Quality Mean	Early Season Quality	Dollar Spot Mean	Typhula Blight Mean	Brown Patch Mean
Providence	6.5†	5.7	7.3‡	5.3	7.0
88.CBE	6.4	5.6	7.0	6.0	6.0
Viper	6.4	5.6	6.3	5.7	6.3
Penncross	6.3	5.8	7.0	5.3	6.3
Pennlinks	6.3	5.6	7.3	5.0	6.0
Regent	6.3	5.3	7.0	6.3	6.0
SR 1020	6.2	5.3	4.7	3.0	5.7
Cobra	6.2	5.4	6.3	4.7	6.0
Putter	6.1	5.3	5.3	4.7	6.0
PRO/CUP	6.0	5.2	5.0	3.3	6.0
MSCB-6	6.0	5.2	7.3	5.3	7.3
TAMU 88-1	5.9	5.0	6.3	4.3	5.7
MSCB-8	5.9	5.2	8.3	4.0	7.0
Carmen	5.8	5.0	5.0	3.0	5.3
Lopez	5.4	4.6	5.7	2.7	7.0
Emerald	5.3	4.6	5.7	6.3	5.3
18th Green	5.2	4.3	3.7	3.0	5.7
National	5.0	4.2	6.3	4.3	5.7
LSD	0.66	0.62	2.3	1.6	1.1

† Quality rated on a 1-9 scale with 1= dead turf and 9=highest quality.

‡ Disease rated on a 1-9 scale with 1= dead plot and 9=no disease.

**Table 2.** Data from the 1993 NTEP bentgrass variety trial at greens height.

Entry	Quality Mean	Brown Patch Mean
A-4	6.3†	5.7‡
L-93	6.3	8.7
G-2	6.2	5.0
Providence	5.9	8.0
BAR Ws 42102	5.9	7.3
Cato	5.9	8.3
Crenshaw	5.9	7.0
Syn 92-5-93	5.9	6.7
SR 1020	5.8	7.0
Southshore	5.8	7.7
G-6	5.7	7.3
Regent	5.7	8.0
18th Green	5.7	7.3
Pennlinks	5.7	7.7
Lopez	5.7	8.0
Syn 92-2-93	5.6	6.7
Syn 92-1-93	5.6	7.3
Penncross	5.5	7.7
A-1	5.5	6.7
DG-P	5.5	6.0
MSUEB	5.5	6.3
ISI-Ap-89150	5.5	7.0
PRO/CUP	5.3	8.7
Trueline	5.2	6.7
Syn-1-88	5.2	5.7
Tendez	4.3	6.0
Seaside	4.1	8.0
BAR As 493	4.0	7.0
LSD	0.56	1.8

† Quality rated on a 1-9 scale with 1= dead turf and 9=highest quality.

‡ Disease rated on a 1-9 scale with 1= dead plot and 9=no disease.

**Table 3.** Data from the 1993 NTEP bentgrass variety trial at fairway/tee height

Entry	Quality Mean	Dollar Spot Mean
Penneagle	6.1†	5.7‡
DF-1	5.7	6.7
Southshore	5.6	5.7
SR 7100	5.6	6.3
Crenshaw	5.5	4.0
Penncross	5.5	5.0
BAR Ws 42102	5.4	4.0
Lopez	5.4	5.0
Trueline	5.3	4.7
Providence	5.3	5.0
Cato	5.3	4.3
PRO/CUP	5.3	4.3
G-2	5.3	4.3
OM-At-90163	5.3	6.3
BAR As 493	4.9	5.7
Seaside	4.9	6.0
ISI-At-90162	4.9	5.3
Tendez	4.8	5.7
Exeter	4.7	5.7
18th Green	4.4	3.7
LSD	0.61	1.1

† Quality rated on a 1-9 scale with 1= dead turf and 9=highest quality.

‡ Disease rated on a 1-9 scale with 1= dead plot and 9=no disease.