

NATIONAL TURFGRASS EVALUATION PROGRAM

The National Turfgrass Evaluation Program (NTEP) is designed to develop and coordinate uniform evaluation trials of turfgrass varieties and promising selections in the United States and Canada. Test results can be used by national companies and plant breeders to determine the broad picture of the adaptation of a cultivar. Results can also be used to determine if a cultivar is well adapted to a local area or level of turf maintenance.

Briefly, the NTEP is a self-supporting, non-profit program, sponsored by the Beltsville Agricultural Research Center and the National Turfgrass Federation, Inc. Program policy is made by a policy committee consisting of one member from each of the four (4) Regional Turfgrass Research Committees in the United States, one member from the Lawn Seed Division of the American Seed Trade Association, one member from the American Sod Producers Association, one member from the United States Golf Association (USGA) Green Section, one member from the Turfgrass Breeders Association, an executive director and a national program coordinator. The program does not make variety recommendations. However, the data from tests can be used by extension specialists and others for making recommendations.

The policy committee is responsible for determining program policy including, (1) requirements for submission of entries, (2) scheduling tests, (3) evaluation methods, (4) selecting standard or control test entries, (5) setting entry fees, (6) coordinating tests in their respective regions, (7) establishing guidelines for publication and data distribution and (8) scheduling committee meetings.

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LOCATIONS SUBMITTING DATA FOR 1995

<u>State</u>	<u>Location</u>	<u>Code</u>
Illinois	Urbana	IL1
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
Kansas	Wichita	KS2
Kentucky	Lexington	KY1
Manitoba	Winnipeg	MB1
Maryland	Beltsville	UB1
Maryland	Silver Spring	MD1
Massachusetts	Amherst	MA1
Michigan	East Lansing	MI1
Missouri	Columbia (Traffic)	MO1
Missouri	Columbia (No Traffic)	MO2
New Jersey	North Brunswick	NJ1
Ohio	Columbus	OH1
Pennsylvania	University Park	PA1
Rhode Island	Kingston	RI1
Virginia	Charlottesville (Birdwood Country Club)	VA8
Washington	Pullman	WA1
Washington	Puyallup	WA3

1993 NATIONAL BENTGRASS TEST
(Fairway/Tee)

Entries and Sponsors

Entry No.	Name	Species	Sponsor
1	18th Green	creeping	Zajac Performance Seeds/ Johnson Seeds, Ltd.
2	BAR As 492	creeping	Barenbrug Holland
3	BAR Ws 42102	creeping	Barenbrug Holland
4	Trueline	creeping	Turf Merchants
5	Providence	creeping	Seed Research of OR, Inc.
6	Seaside	creeping	Standard entry
7	Cato	creeping	Pickseed West, Inc.
8	Exeter	colonial	Standard entry
9	PRO/CUP	creeping	Forbes Seed & Grain, Inc.
10	Crenshaw	creeping	Loft's Seed, Inc.
11	Southshore	creeping	Loft's Seed, Inc.
12	SR 7100	colonial	Seed Research of OR, Inc.
13	Penncross	creeping	Standard entry
14	Seaside II (DF-1)	creeping	Tee-2-Green Corp.
15	Penn G-2 (G-2)	creeping	Tee-2-Green Corp.
16	Penn G-6 (G-6)	creeping	Tee-2-Green Corp.
17	Penneagle	creeping	Tee-2-Green Corp.
18	Lopez	creeping	Finelawn Research, Inc.
19	Tendenz	colonial	Finelawn Research, Inc.
20	ISI-At-90162	colonial	International Seeds, Inc.
21	OM-At-90163	colonial	O.M. Scott & Sons

TABLE A. 1995 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN THE 1993 NATIONAL BENTGRASS (FAIRWAY/TEE) TEST

LOCATION	SOIL TEXTURE	SOIL PH	SOIL PHOSPHOROUS (LBS/ACRE)	SOIL POTASSIUM (LBS/ACRE)	NITROGEN (LBS/1000 SQ FT)	SUN OR SHADE	MOWING HEIGHT (IN)	IRRIGATION PRACTICED
IA1	SILTY CLAY LOAM	7.1-7.5	0-60	241-375	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	-	-	-	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
IN1	SILT LOAM AND SILT	6.6-7.0	0-60	241-375	1.1-2.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
KS2	SANDY LOAM	7.1-7.5	61-150	151-240	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
KY1	SILT LOAM AND SILT	6.1-6.5	151-270	241-375	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
MA1	LOAM	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MB1	SILTY CLAY AND CLAY	7.6-8.5	61-150	501+	1.1-2.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MD1	SILT LOAM AND SILT	5.6-6.0	61-150	241-375	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MI1	SANDY LOAM	7.1-7.5	-	-	-	FULL SUN	0.6-1.0	TO PREVENT STRESS
MO1	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
MO2	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
NJ1	SANDY LOAM	5.6-6.0	151-270	151-240	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
OH1	SILTY CLAY LOAM	7.1-7.5	0-60	241-375	1.1-2.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
PA1	SILT LOAM AND SILT	6.6-7.0	61-150	0-150	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
RI1	SILT LOAM AND SILT	6.6-7.0	-	0-150	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
UB1	SILT LOAM AND SILT	6.1-6.5	61-150	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
VA8	SANDY CLAY LOAM	4.6-5.5	0-60	0-150	1.1-2.0	FULL SUN	0.6-1.0	NO IRRIGATION
WA1	SILT LOAM AND SILT	5.6-6.0	271-450	501+	5.1-6.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
WA3	SANDY LOAM	5.6-6.0	61-150	241-375	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS

TABLE A. (CONT'D)

FUNGICIDE USE IN 1995 (SUBMITTED TO NTEP)

LOCATION	FUNGICIDE	RATE (OZ/1000 SQ. FT.)	DATE(S) OF APPLICATION
KS2	CHOLOROTHALONIL + FENARIMOL	-	6/7
	FOSETYL-AL	-	8/4
NJ1	TRIADIMEFON	1	8/11, 9/18
	METALAXYL	1.5	8/15
PA1	IRRODIONE + THIOPHANATE METHYL	1.6	6/20
	PROPICONAZOLE	1.5	7/21
	CHOLOROTHALONIL	4	9/19
	IPRODIONE	2	9/19
	TRIADIMEFON	0.1	9/19
UB1	NO FUNGICIDES APPLIED	-	-

TABLE B.

LOCATIONS AND DATA COLLECTED IN 1995

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING
IA1					X	X	X	X	X	X		
IL1				X	X	X	X	X	X	X		
IN1				X	X	X	X	X	X	X		
KS2				X	X	X	X	X	X			
KY1			X	X	X	X	X	X	X	X		
MA1				X	X	X	X	X	X	X		
MB1					X	X	X	X	X	X		
MD1				X	X	X	X	X	X	X		
MI1					X	X	X	X	X	X		
MO1				X	X	X	X					
MO2				X	X	X	X	X	X	X		
NJ1			X	X	X	X	X	X	X	X	X	
OH1					X	X	X	X	X	X		
PA1				X	X	X	X	X	X	X		
RI1					X	X	X	X	X	X	X	
UB1				X	X	X	X	X	X	X	X	
VA8	X	X		X	X	X	X	X	X	X	X	X
WA1				X	X	X	X	X	X	X		
WA3	X	X	X	X	X	X	X	X	X	X	X	X

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1995

LOCATION	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	THATCH MEASUREMENTS	FUSARIUM PATCH
IA1	X		X								
IL1	X	X	X								
IN1	X		X								
KS2	X		X								
KY1	X		X								
MA1	X	X									
MB1	X	X	X	X	X	X					
MD1	X		X								
MI1	X		X								
MO1		X									
MO2	X	X	X								
NJ1	X		X								
OH1	X	X	X							X	
PA1	X	X		X	X						
RI1	X	X	X								
UB1	X	X	X				X				
VA8			X					X	X		
WA1	X	X	X								X
WA3	X	X	X	X	X	X		X	X		X

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1995

LOCATION	DOLLAR SPOT	BROWN PATCH	PERCENT DOLLAR SPOT (JUNE)	SCALPING RATINGS	WINTER DENSITY	PERCENT BROWN PATCH (JUNE 14)	PERCENT BROWN PATCH (JUNE 26)	THATCH ASHED DRY WEIGHT	FALL VERDUCE RATINGS	BLACK CUTWORM RATINGS
IA1		X								
IL1		X								
IN1	X	X								
KS2										
KY1			X			X	X			
MA1										
MB1										
MD1		X								
MI1	X									
MO1	X									
MO2	X									
NJ1	X	X								
OH1	X	X								X
PA1	X	X		X						
RI1	X	X								
UB1	X									
VA8										
WA1										
WA3					X			X	X	

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A FAIRWAY OR TEE AT NINETEEN LOCATIONS IN THE U.S. AND CANADA
1995 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/																			
	IA1	IL1	IN1	KS2	KY1	MA1	MB1	MD1	MI1	MO1	MO2	NJ1	OH1	PA1	RI1	UB1	VAB	WA1	WA3	MEAN
* CATO	7.3	6.3	4.8	8.3	6.8	5.8	7.1	6.2	5.3	6.5	7.3	7.2	7.9	6.8	5.2	6.1	4.8	7.6	5.1	6.4
* PROVIDENCE	7.2	5.9	4.9	8.1	7.4	5.7	7.3	6.2	5.3	6.4	7.2	6.7	7.9	6.6	5.3	6.0	5.6	6.9	5.6	6.4
* PENN G-2 (G-2)	6.7	5.5	3.4	8.4	7.4	5.6	7.3	7.1	5.3	5.9	6.9	6.7	7.8	6.7	5.1	5.9	4.5	7.4	5.7	6.3
* PENNEAGLE	7.2	5.7	5.1	7.5	7.4	5.3	6.9	6.1	6.1	6.8	7.2	6.3	7.8	6.7	5.4	5.3	5.1	6.4	4.9	6.3
* SOUTHSHORE	7.7	6.2	4.0	7.7	7.5	5.1	6.8	6.1	5.7	6.3	7.0	6.1	7.9	6.0	6.0	5.3	4.6	6.7	5.3	6.2
* PENN G-6 (G-6)	6.7	6.5	4.1	8.0	7.3	5.0	6.7	6.5	5.3	6.4	7.0	6.5	8.0	6.6	3.5	6.1	4.4	6.5	5.3	6.1
* SEASIDE II (DF-1)	6.1	6.0	4.1	7.6	7.1	4.6	6.4	6.2	5.7	6.2	7.0	5.6	7.7	6.5	6.0	5.5	5.2	6.5	4.7	6.0
* CRENSHAW	7.3	5.7	3.6	8.0	6.9	4.9	7.1	6.3	5.5	6.7	7.0	5.0	7.5	6.0	5.6	4.4	4.7	7.1	5.1	6.0
BAR WS 42102	6.9	6.0	3.7	7.7	7.0	5.0	6.8	6.3	5.4	6.8	7.1	5.3	7.7	6.1	5.3	5.0	4.2	6.7	5.2	6.0
* PRO/CUP	6.7	5.6	4.1	7.6	7.2	5.1	7.2	6.0	5.3	6.7	7.0	4.5	7.6	5.4	6.4	4.5	4.8	6.6	5.2	6.0
* TRUELINE	6.4	5.9	4.5	7.4	7.0	4.9	6.9	6.2	5.3	6.5	7.1	5.1	7.3	5.8	6.1	5.1	4.8	6.3	4.9	6.0
* LOPEZ	5.8	5.1	5.0	7.0	7.4	5.2	6.9	5.9	5.4	6.6	7.0	5.0	6.7	6.2	4.7	4.9	4.3	6.9	5.0	5.8
* PENNCROSS	6.1	5.2	5.4	7.4	7.7	4.7	6.9	6.0	5.5	6.4	6.9	4.7	6.9	5.3	3.9	4.5	5.4	6.1	4.8	5.8
ISI-AT-90162	4.9	5.3	3.1	5.1	7.5	5.4	6.8	5.7	4.9	5.8	6.6	5.1	6.1	6.3	5.9	6.3	3.5	6.5	5.8	5.6
* 18TH GREEN	6.1	5.1	2.8	8.2	4.8	4.8	8.0	6.0	4.4	5.3	7.2	3.7	7.6	5.4	4.7	3.8	3.7	6.7	4.6	5.4
BAR AS 492	4.8	4.6	3.9	6.4	6.1	4.5	5.9	5.5	5.0	5.3	5.8	4.6	6.6	5.6	5.8	5.9	3.5	6.2	5.6	5.4
* SR 7100	4.9	4.6	2.2	5.4	6.6	5.4	6.3	5.6	5.6	5.6	6.0	5.0	6.2	6.1	5.1	5.6	4.2	5.1	5.2	5.3
OM-AT-90163	4.9	4.4	3.0	5.2	7.0	4.8	6.7	5.1	5.4	5.9	6.3	4.3	6.6	5.2	6.0	5.6	3.2	5.9	5.3	5.3
* TENDENZ	4.1	3.8	2.5	4.9	6.5	5.1	6.8	4.8	4.8	5.7	6.0	3.8	5.8	5.6	5.3	5.8	3.4	5.6	4.6	5.0
* EXETER	3.6	4.0	2.3	5.3	6.0	3.6	5.4	5.0	4.7	5.1	6.2	4.0	5.2	4.3	5.3	3.5	3.5	5.9	4.2	4.6
* SEASIDE	4.7	4.1	4.4	4.8	5.8	3.6	5.4	4.9	4.9	4.8	5.6	2.1	6.5	3.4	4.7	3.2	4.1	4.1	3.8	4.5
LSD VALUE	1.1	0.7	1.5	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.7	1.0	0.9	0.7	0.8	0.7	0.4	0.2

* COMMERCIALY AVAILABLE IN THE USA IN 1996

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS FOR EACH MONTH GROWN ON A FAIRWAY OR TEE AT NINETEEN LOCATIONS IN THE U.S. AND CANADA
1995 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS												1/ MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CATO	3.7	4.2	6.2	6.2	6.5	6.5	6.5	6.5	6.6	6.5	5.3	3.7	6.4
PROVIDENCE	4.5	5.2	6.6	6.1	6.4	6.6	6.5	6.6	6.5	6.5	5.4	4.3	6.4
PENN G-2 (G-2)	4.8	5.0	6.2	6.0	6.4	6.5	6.3	6.4	6.4	6.3	5.2	2.8	6.3
PENNEAGLE	4.2	4.5	6.2	6.0	6.2	6.3	6.4	6.6	6.3	6.3	4.7	3.7	6.3
SOUTHSHORE	4.5	4.8	6.2	5.9	6.2	6.5	6.3	6.3	6.2	6.3	4.7	3.2	6.2
PENN G-6 (G-6)	5.2	4.7	6.6	5.9	6.3	6.3	6.2	6.3	6.1	6.0	4.3	2.7	6.1
SEASIDE II (DF-1)	4.7	4.7	5.9	5.5	5.9	5.9	6.2	6.4	6.2	6.1	5.2	3.3	6.0
CRENSHAW	4.2	4.2	5.6	5.7	6.0	6.4	6.1	6.0	5.9	6.1	4.4	3.5	6.0
BAR WS 42102	3.5	3.8	5.3	5.5	6.2	6.5	6.1	5.9	5.9	6.1	4.5	3.3	6.0
PRO/CUP	5.0	4.8	5.7	5.7	6.2	6.2	6.1	5.8	5.9	5.8	4.3	3.5	6.0
TRUELINE	4.0	4.3	6.1	5.8	6.0	6.0	6.1	5.9	6.1	5.9	4.5	3.7	6.0
LOPEZ	3.7	4.8	6.3	5.7	5.9	6.1	5.9	5.8	5.8	5.8	4.1	3.3	5.8
PENNCROSS	4.5	4.3	6.2	5.9	6.0	5.9	5.7	5.6	5.8	5.5	4.3	4.5	5.8
ISI-AT-90162	4.3	5.0	6.9	5.4	5.9	5.8	5.4	5.3	5.9	5.6	5.0	3.3	5.6
18TH GREEN	3.3	3.5	3.6	5.1	5.5	5.8	5.9	5.6	5.4	5.0	3.1	2.0	5.4
BAR AS 492	5.7	5.0	6.0	4.8	5.3	5.2	5.0	5.1	5.8	5.6	5.5	3.8	5.4
SR 7100	4.3	4.2	6.4	5.3	5.7	5.5	4.9	4.9	5.4	5.3	4.9	3.7	5.3
OM-AT-90163	3.7	4.3	6.4	5.2	5.8	5.3	4.9	4.8	5.4	5.4	4.7	3.0	5.3
TENDENZ	3.8	3.7	6.1	5.0	5.5	5.1	4.7	4.6	5.0	5.0	4.2	2.8	5.0
EXETER	3.8	4.8	5.7	4.4	4.4	3.9	4.5	4.7	4.9	4.8	4.2	3.5	4.6
SEASIDE	4.3	4.7	4.1	4.1	4.2	4.3	4.5	4.4	4.8	4.6	3.3	3.5	4.5
LSD VALUE	1.1	0.9	1.1	0.7	0.5	0.5	0.6	0.6	0.7	0.6	1.1	1.3	0.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN 1/
ON A FAIRWAY OR TEE AT NINETEEN LOCATIONS IN THE U.S. AND CANADA
1995 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING 2/

NAME	IA1	IL1	IN1	KS2	KY1	MA1	MB1	MD1	MI1	MO1	MO2	NJ1	OH1	PA1	RI1	UB1	VA8	WA1	WA3	MEAN
CATO	2.0	2.0	5.0	2.0	15.0	1.0	6.0	7.5	11.5	6.5	1.0	1.0	4.0	1	14.0	2.5	6.5	1.0	11	1
PROVIDENCE	4.5	6.0	4.0	4.0	7.0	2.0	3.0	5.5	11.5	9.0	3.0	2.5	3.0	4	11.5	4.0	1.0	5.0	3	2
PENN G-2 (G-2)	8.0	11.0	15.0	1.0	5.0	3.0	2.0	1.0	14.5	13.5	14.0	2.5	5.0	3	16.0	5.5	10.0	2.0	2	3
PENNEAGLE	4.5	8.0	2.0	11.0	5.0	6.0	8.5	10.0	1.0	1.5	2.0	5.0	6.0	2	9.0	11.0	4.0	13.0	14	4
SOUTHSHORE	1.0	3.0	11.0	7.0	2.5	8.5	13.5	9.0	3.0	11.0	11.0	6.0	2.0	11	4.5	12.0	9.0	6.5	7	5
PENN G-6 (G-6)	8.0	1.0	10.0	5.5	8.0	12.0	16.0	2.0	14.5	9.0	11.0	4.0	1.0	5	21.0	2.5	11.0	11.5	6	6
SEASIDE II (DF-1)	11.5	4.0	8.5	9.0	10.0	18.0	17.0	5.5	2.0	12.0	7.5	7.0	8.0	6	4.5	10.0	3.0	11.5	17	7
CRENSHAW	3.0	9.0	14.0	5.5	14.0	13.0	5.0	4.0	5.5	3.5	9.0	11.5	11.0	12	8.0	18.0	8.0	3.0	12	8
BAR WS 42102	6.0	5.0	13.0	8.0	12.5	11.0	11.5	3.0	8.5	1.5	5.0	8.0	7.0	10	11.5	14.0	13.0	6.5	8	9
PRO/CUP	8.0	10.0	8.5	10.0	9.0	8.5	4.0	12.0	11.5	3.5	7.5	16.0	9.5	17	1.0	16.5	5.0	9.0	9	10
TRUELINE	10.0	7.0	6.0	12.0	11.0	14.0	8.5	7.5	11.5	6.5	6.0	9.0	12.0	13	2.0	13.0	6.5	14.0	15	11
LOPEZ	14.0	15.0	3.0	14.0	5.0	7.0	8.5	14.0	7.0	5.0	11.0	11.5	14.0	8	17.0	15.0	12.0	4.0	13	12
PENNCROSS	11.5	13.0	1.0	13.0	1.0	17.0	8.5	12.0	5.5	9.0	13.0	14.0	13.0	18	20.0	16.5	2.0	16.0	16	13
ISI-AT-90162	16.5	12.0	16.0	19.0	2.5	4.0	11.5	15.0	17.0	15.0	15.0	10.0	19.0	7	6.0	1.0	18.0	10.0	1	14
18TH GREEN	13.0	14.0	18.0	3.0	21.0	15.5	1.0	12.0	21.0	18.5	4.0	20.0	9.5	16	18.5	19.0	16.0	8.0	18	15
BAR AS 492	18.0	16.5	12.0	15.0	18.0	19.0	19.0	17.0	16.0	18.5	20.0	15.0	15.5	14	7.0	5.5	18.0	15.0	4	16
SR 7100	16.5	16.5	21.0	16.0	16.0	5.0	18.0	16.0	4.0	17.0	18.5	13.0	18.0	9	15.0	8.0	14.0	20.0	10	17
QM-AT-90163	15.0	18.0	17.0	18.0	12.5	15.5	15.0	18.0	8.5	13.5	16.0	17.0	15.5	19	3.0	9.0	21.0	17.5	5	18
TENDENZ	20.0	21.0	19.0	20.0	17.0	10.0	13.5	21.0	19.0	16.0	18.5	19.0	20.0	15	11.5	7.0	20.0	19.0	19	19
EXETER	21.0	20.0	20.0	17.0	19.0	20.0	21.0	19.0	20.0	20.0	17.0	18.0	21.0	20	11.5	20.0	18.0	17.5	20	20
SEASIDE	19.0	19.0	7.0	21.0	20.0	21.0	20.0	20.0	18.0	21.0	21.0	21.0	17.0	21	18.5	21.0	15.0	21.0	21	21

1/ THIS TABLE CONTAINS NO STATISTICAL VALUES (LSD VALUES) THEREFORE IT SHOULD ONLY BE USED TO DETERMINE THE GENERAL PERFORMANCE OF AN ENTRY OR ENTRIES ACROSS SEVERAL LOCATIONS OR REGIONS. TO ASSESS STATISTICAL DIFFERENCES AMONG ENTRIES, REFER TO THE MEANS AND LSD VALUES FOUND IN TABLE 1.

2/ RANKING OF MEAN TURFGRASS QUALITY IS ACHIEVED BY ASSIGNING "1" TO THE HIGHEST MEAN, "2" TO THE SECOND HIGHEST MEAN, ETC. FOR EACH LOCATION. FOR EXAMPLE, IF TWO MEANS ARE TIED FOR THE SECOND AND THIRD RANKS, BOTH ARE ASSIGNED "2.5".

TABLE 4.

GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1995 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/

NAME	IA1	IL1	IN1	KS2	KY1	MA1	MB1	MD1	MI1	MO2	NJ1	OH1	PA1	RI1	UB1	WA1	WA3	MEAN
18TH GREEN	8.0	8.0	5.3	8.0	4.7	7.0	9.0	5.3	5.3	8.7	6.0	8.3	9.0	8.3	8.0	8.0	7.7	7.3
CATO	8.0	7.3	7.0	7.3	6.7	5.3	7.7	5.7	5.7	8.7	7.3	8.7	6.7	5.3	8.0	8.0	7.3	7.1
PROVIDENCE	8.0	7.7	6.7	8.0	6.3	5.0	7.0	6.0	5.7	8.3	5.7	8.7	6.3	6.3	7.7	7.7	8.3	7.0
CRENSHAW	7.7	6.7	6.0	8.0	6.3	4.0	7.7	6.0	5.7	9.0	5.3	8.3	6.7	7.0	7.0	8.3	7.7	6.9
PENN G-2 (G-2)	8.0	7.0	5.7	7.3	6.7	6.3	7.7	6.3	6.0	8.7	6.0	8.7	5.7	6.7	7.0	6.7	6.3	6.9
PENN G-6 (G-6)	6.7	6.7	5.7	7.7	6.3	5.0	7.0	6.3	6.0	9.0	6.0	9.0	6.3	6.0	7.0	7.3	6.3	6.7
SOUTHSHORE	8.3	6.7	5.7	7.0	6.0	4.7	6.7	5.7	6.0	7.7	5.7	8.3	6.3	6.3	7.0	7.7	7.0	6.6
TRUELINE	8.0	6.3	5.3	8.3	6.0	5.0	6.7	5.7	5.3	9.0	5.0	8.0	6.7	5.7	7.0	7.7	6.7	6.6
LOPEZ	7.0	7.0	5.7	7.7	6.0	5.0	6.7	6.0	5.3	8.0	4.7	8.0	6.3	6.7	7.0	7.0	7.0	6.5
BAR WS 42102	8.3	7.3	5.3	7.7	6.0	5.3	6.3	5.7	5.3	8.3	4.0	8.3	7.0	5.7	7.0	7.0	6.3	6.5
PRO/CUP	7.7	7.3	5.0	8.0	6.0	4.7	7.0	5.7	6.0	8.7	4.0	8.0	6.0	6.3	7.0	7.0	6.7	6.5
PENNEAGLE	8.0	7.0	5.7	7.0	6.0	4.0	6.3	5.7	6.0	8.7	5.7	8.3	6.3	5.3	7.0	7.0	6.7	6.5
PENNCROSS	7.3	7.0	5.7	6.7	6.7	4.3	6.3	5.3	5.7	8.3	5.0	8.7	5.7	5.0	7.3	7.7	6.7	6.4
OM-AT-90163	7.0	7.0	5.7	6.7	7.7	7.0	5.3	6.7	4.7	7.3	3.3	8.3	5.3	6.3	6.0	6.7	5.3	6.3
SEASIDE II (DF-1)	7.7	7.3	5.0	7.3	6.0	4.3	6.0	6.0	6.0	8.0	5.0	8.0	4.7	5.0	7.0	7.0	5.7	6.2
TENDENZ	6.3	7.7	6.0	7.3	8.0	6.7	6.0	6.0	4.7	6.7	4.3	8.3	6.7	3.3	6.0	6.3	5.3	6.2
ISI-AT-90162	6.3	7.0	5.0	7.3	7.0	5.7	5.3	6.7	5.0	6.7	3.3	8.0	5.3	5.7	6.0	7.0	5.0	6.0
BAR AS 492	6.7	7.7	5.7	5.3	5.0	6.0	5.7	6.7	4.7	6.7	3.3	8.3	4.0	6.7	6.0	7.3	6.0	6.0
EXETER	6.0	7.7	5.0	7.3	1.0	4.7	6.7	6.7	4.3	7.0	4.7	8.0	3.7	6.0	5.0	7.0	5.7	5.7
SR 7100	6.7	6.3	4.7	6.0	5.0	7.0	5.3	7.0	5.7	6.0	3.0	8.0	4.7	4.7	5.7	6.3	3.7	5.6
SEASIDE	7.3	6.7	4.3	6.3	1.0	3.7	5.0	6.0	5.0	6.3	1.7	8.0	3.7	4.0	5.0	5.7	6.0	5.0
LSD VALUE	1.4	1.1	1.4	1.2	0.7	1.0	1.0	0.8	0.8	0.8	1.2	0.7	0.9	1.2	0.4	1.1	1.2	0.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 5.

SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1995 DATA

NAME	SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN											1/ MEAN
	IL1	MA1	MB1	MO1	MO2	OHL	PA1	RI1	UB1	WA1	WA3	
SR 7100	7.3	5.7	7.0	6.7	6.0	7.0	7.0	7.3	5.7	7.3	8.7	6.9
TENDENZ	6.7	4.3	6.3	7.3	7.0	7.0	7.7	8.0	6.0	7.0	7.7	6.8
OM-AT-90163	7.0	3.7	6.7	7.3	6.7	7.3	5.3	7.7	5.3	7.0	7.3	6.5
ISI-AT-90162	6.7	4.0	7.0	7.0	6.7	7.0	6.0	7.3	5.0	7.0	7.3	6.5
EXETER	7.3	2.0	7.0	6.0	7.0	7.0	6.3	5.7	6.3	7.3	8.7	6.4
BAR AS 492	6.7	2.0	6.3	6.0	6.3	7.0	6.0	5.7	7.0	7.3	8.0	6.2
TRUELINE	6.3	3.3	6.0	7.7	7.3	7.0	4.7	5.0	6.0	7.3	6.7	6.1
CATO	6.3	3.3	6.7	8.0	8.0	7.0	3.0	4.0	5.7	7.3	6.0	5.9
PENNEAGLE	6.7	2.3	6.7	7.3	7.3	7.0	4.0	4.0	5.7	7.3	6.7	5.9
PENNCROSS	5.3	3.7	6.0	7.3	7.0	7.0	4.3	5.3	5.3	7.3	6.0	5.9
PROVIDENCE	6.3	3.3	6.0	7.3	7.7	7.0	2.7	4.7	5.0	7.0	6.7	5.8
SOUTHSHORE	6.3	2.3	6.0	7.3	7.0	7.0	3.3	4.3	5.7	7.3	7.0	5.8
PRO/CUP	6.0	2.7	6.7	7.7	7.7	7.0	3.7	4.0	4.7	7.0	6.3	5.8
CRENSHAW	6.3	2.7	6.7	7.7	7.3	7.0	3.3	3.3	5.3	7.0	6.3	5.7
LOPEZ	6.3	3.0	6.0	7.0	7.3	7.0	4.7	4.0	5.3	7.0	5.3	5.7
SEASIDE	5.7	2.3	6.7	5.0	5.3	6.7	4.3	5.0	4.3	7.0	9.0	5.6
PENN G-6 (G-6)	6.3	2.3	5.7	7.7	6.7	7.0	2.0	3.7	5.3	7.0	6.3	5.5
BAR WS 42102	6.7	2.7	5.7	7.3	7.7	7.0	2.3	3.7	3.7	6.0	7.3	5.5
SEASIDE II (DF-1)	5.3	2.0	5.3	7.3	7.3	7.0	2.7	4.0	4.3	7.0	6.3	5.3
PENN G-2 (G-2)	6.7	2.7	6.0	7.0	6.7	7.0	1.0	2.3	4.7	7.0	6.3	5.2
18TH GREEN	5.7	3.3	5.3	7.3	8.0	7.7	1.3	2.3	4.0	6.3	5.0	5.1
LSD VALUE	1.1	1.0	0.8	0.9	0.8	0.4	1.0	1.4	1.5	0.6	0.8	0.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 6.

LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1995 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 1/

NAME	IA1	IL1	IN1	KS2	KY1	MB1	MD1	MI1	MO2	NJ1	OH1	RI1	UB1	VA8	WA1	WA3	MEAN
PENN G-2 (G-2)	7.0	8.7	7.0	8.3	9.0	4.3	7.7	5.7	8.3	8.0	7.7	9.0	8.0	7.0	8.0	7.3	7.6
PENN G-6 (G-6)	7.0	9.0	7.3	8.7	8.0	4.0	7.3	5.7	7.7	8.0	8.0	6.0	8.0	6.7	7.3	7.3	7.3
BAR WS 42102	7.7	8.3	8.0	9.0	7.7	4.7	6.3	5.0	7.3	7.0	8.0	6.3	8.0	6.0	8.3	7.7	7.2
CATO	7.3	8.7	7.7	8.3	7.7	4.3	6.3	5.7	7.7	6.7	7.7	6.7	8.0	5.0	8.0	7.0	7.0
SOUTHSHORE	7.7	9.0	7.3	8.7	8.0	4.0	6.0	6.0	7.7	6.3	8.0	6.0	7.7	5.0	7.7	7.3	7.0
CRENSHAW	7.7	9.0	7.3	8.3	7.3	4.0	7.3	5.3	7.3	5.7	8.0	5.7	8.0	4.7	8.0	6.3	6.9
SEASIDE II (DF-1)	5.7	9.0	7.0	8.3	8.3	3.7	7.0	6.0	7.0	4.3	8.0	7.0	8.0	5.0	7.0	7.0	6.8
PROVIDENCE	7.3	8.0	7.3	8.0	7.0	3.7	6.3	5.7	7.7	6.0	7.7	5.3	8.0	4.7	7.3	6.0	6.6
PENNEAGLE	7.3	8.0	7.3	8.7	7.0	3.7	5.7	6.0	7.0	5.0	8.0	6.0	8.0	4.0	7.7	6.0	6.6
SR 7100	6.3	9.0	7.0	5.7	7.0	2.3	6.3	5.3	8.0	6.0	8.0	6.0	7.7	5.3	7.3	7.3	6.5
ISI-AT-90162	6.3	8.3	6.7	5.3	6.7	3.7	6.0	5.0	8.7	5.0	7.0	6.3	8.0	5.0	7.0	8.0	6.4
18TH GREEN	7.0	7.7	7.0	7.3	8.0	4.0	5.7	4.7	7.7	5.0	8.0	5.0	7.0	5.7	7.7	5.0	6.4
OM-AT-90163	5.7	8.3	7.0	4.7	5.7	4.0	5.7	5.0	8.3	5.0	7.3	7.0	8.0	5.0	7.0	6.0	6.2
LOPEZ	5.7	7.7	7.0	7.3	7.7	3.3	6.0	5.7	7.3	4.3	8.0	6.0	7.0	3.7	7.0	5.3	6.2
TRUELINE	7.3	7.7	7.0	7.0	6.3	4.0	6.0	5.0	7.0	3.3	7.7	5.3	7.0	4.0	7.0	6.0	6.1
PRO/CUP	6.0	7.7	6.7	7.0	7.0	3.3	5.3	5.3	7.0	3.7	8.0	5.7	7.0	4.3	7.3	5.0	6.0
BAR AS 492	5.3	8.3	7.0	5.7	5.0	2.7	6.0	4.3	8.0	5.0	7.3	6.3	7.7	4.7	6.7	6.0	6.0
PENNCROSS	8.3	7.3	7.3	6.3	6.7	4.3	6.0	5.0	7.3	2.3	7.3	6.0	7.0	4.3	6.3	4.0	6.0
TENDENZ	5.0	8.7	6.7	4.3	7.0	3.0	5.7	5.0	7.7	4.3	7.7	4.7	7.7	5.3	6.7	4.7	5.9
EXETER	4.7	7.7	6.7	4.7	6.0	2.0	5.7	5.0	8.3	3.0	7.7	6.3	6.3	3.3	6.0	5.3	5.5
SEASIDE	6.3	7.0	5.3	3.7	5.0	2.3	5.0	4.0	7.0	1.0	7.7	4.7	6.0	2.7	4.3	2.3	4.6
LSD VALUE	1.9	0.7	1.0	0.9	0.9	1.3	0.9	0.6	0.8	1.2	0.7	1.5	0.5	1.1	0.9	1.2	0.3

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 7. SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1995 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/

NAME	MB1	PA1	WA3	MEAN
CATO	8.0	8.0	8.0	8.0
BAR WS 42102	7.7	6.7	8.3	7.6
PROVIDENCE	8.0	7.0	7.3	7.4
SOUTHSHORE	8.7	7.0	6.7	7.4
PENNEAGLE	7.3	8.0	6.7	7.3
PENN G-2 (G-2)	8.7	5.3	7.7	7.2
ISI-AT-90162	7.7	7.0	6.7	7.1
TENDENZ	7.3	7.0	7.0	7.1
CRENSHAW	8.0	6.0	7.0	7.0
PRO/CUP	8.7	5.3	7.0	7.0
SEASIDE II (DF-1)	7.3	7.3	5.7	6.8
OM-AT-90163	7.7	6.7	5.7	6.7
PENN G-6 (G-6)	8.0	6.0	6.0	6.7
SR 7100	6.0	7.0	7.0	6.7
PENNCROSS	8.3	6.0	5.3	6.6
LOPEZ	8.0	6.7	4.7	6.4
18TH GREEN	9.0	4.0	6.0	6.3
TRUELINE	7.7	6.0	4.0	5.9
BAR AS 492	5.7	5.7	5.7	5.7
EXETER	6.7	5.3	4.0	5.3
SEASIDE	6.3	4.0	2.0	4.1
LSD VALUE	1.4	1.5	1.5	0.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 8. SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1995 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/

NAME	MB1	PA1	WA3	MEAN
PROVIDENCE	8.0	8.0	7.7	7.9
PENN G-2 (G-2)	8.7	8.0	7.0	7.9
18TH GREEN	9.0	6.7	7.0	7.6
BAR WS 42102	8.0	7.3	7.3	7.6
CRENSHAW	8.7	7.0	6.7	7.4
PENN G-6 (G-6)	8.0	7.7	6.3	7.3
SEASIDE II (DF-1)	8.3	8.3	5.3	7.3
SOUTHSHORE	7.7	7.7	6.7	7.3
TRUELINE	8.3	6.7	6.7	7.2
CATO	7.7	7.0	6.3	7.0
PENNEAGLE	8.3	7.0	5.7	7.0
PRO/CUP	8.3	5.7	6.7	6.9
ISI-AT-90162	7.3	6.0	7.0	6.8
LOPEZ	7.7	6.3	6.3	6.8
BAR AS 492	7.3	6.7	5.7	6.6
PENNCROSS	8.3	5.3	6.0	6.6
SR 7100	7.0	5.7	5.0	5.9
TENDENZ	7.7	5.3	4.3	5.8
OM-AT-90163	7.3	5.3	3.7	5.4
EXETER	6.0	4.7	4.3	5.0
SEASIDE	6.7	3.3	3.3	4.4
LSD VALUE	1.1	1.1	1.5	0.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 9. FALL DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1995 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/

NAME	MB1	WA3	MEAN
BAR WS 42102	8.3	7.0	7.7
BAR AS 492	7.0	7.7	7.3
ISI-AT-90162	7.0	7.7	7.3
PROVIDENCE	8.3	6.3	7.3
CRENSHAW	8.7	6.0	7.3
SOUTHSHORE	8.3	6.0	7.2
OM-AT-90163	7.7	6.3	7.0
LOPEZ	7.7	6.0	6.8
SR 7100	6.7	7.0	6.8
PENN G-2 (G-2)	8.3	5.0	6.7
CATO	8.7	4.7	6.7
PRO/CUP	8.0	5.3	6.7
PENNEAGLE	8.3	4.7	6.5
TRUELINE	7.7	5.3	6.5
PENNCROSS	8.0	4.7	6.3
18TH GREEN	9.0	3.3	6.2
SEASIDE II (DF-1)	7.0	5.3	6.2
EXETER	6.3	5.3	5.8
PENN G-6 (G-6)	7.3	3.7	5.5
TENDENZ	7.0	3.7	5.3
SEASIDE	6.0	3.0	4.5
LSD VALUE	1.0	1.3	0.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 10. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1995 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/

NAME	UB1
ISI-AT-90162	96.3
BAR AS 492	95.0
PROVIDENCE	94.7
SEASIDE II (DF-1)	93.3
OM-AT-90163	91.7
PENN G-6 (G-6)	91.7
SR 7100	91.7
CATO	90.0
EXETER	90.0
PENN G-2 (G-2)	90.0
PENNEAGLE	90.0
TENDENZ	90.0
SEASIDE	86.7
SOUTHSHORE	86.7
LOPEZ	85.0
PENNCROSS	83.3
TRUELINE	83.3
BAR WS 42102	81.7
PRO/CUP	80.0
CRENSHAW	73.3
18TH GREEN	53.3
LSD VALUE	12.0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 11. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1995 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 1/

NAME	VA8	WA3	MEAN
PROVIDENCE	98.7	99.0	98.8
PENNEAGLE	96.3	99.0	97.7
PENNCROSS	93.0	99.0	96.0
BAR WS 42102	91.7	99.0	95.3
SEASIDE II (DF-1)	91.0	99.0	95.0
CATO	89.7	99.0	94.3
TRUELINE	90.0	96.0	93.0
SR 7100	76.7	97.7	87.2
PRO/CUP	75.0	99.0	87.0
SEASIDE	81.7	91.7	86.7
LOPEZ	69.3	96.3	82.8
CRENSHAW	66.7	98.0	82.3
EXETER	68.3	94.7	81.5
PENN G-2 (G-2)	63.3	99.0	81.2
ISI-AT-90162	58.3	99.0	78.7
SOUTHSHORE	58.3	99.0	78.7
PENN G-6 (G-6)	51.7	99.0	75.3
BAR AS 492	50.0	99.0	74.5
OM-AT-90163	50.0	99.0	74.5
18TH GREEN	41.7	99.0	70.3
TENDENZ	43.3	91.7	67.5
LSD VALUE	35.4	3.1	17.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 12. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1995 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 1/

NAME	VA8	WA3	MEAN
OM-AT-90163	7.7	5.7	6.7
ISI-AT-90162	6.3	6.0	6.2
PENN G-6 (G-6)	7.7	4.0	5.8
SR 7100	6.0	5.3	5.7
PENN G-2 (G-2)	6.3	4.7	5.5
PRO/CJP	7.0	4.0	5.5
CRENSHAW	7.7	3.0	5.3
SOUTHSHORE	6.7	4.0	5.3
SEASIDE	6.3	4.3	5.3
BAR AS 492	4.7	5.7	5.2
EXETER	5.3	4.7	5.0
PROVIDENCE	6.7	3.3	5.0
SEASIDE II (DF-1)	6.3	3.7	5.0
TENDENZ	5.3	4.7	5.0
CATO	6.7	3.0	4.8
BAR WS 42102	6.3	3.3	4.8
PENNCROSS	5.3	4.3	4.8
PENNEAGLE	6.0	3.7	4.8
TRUELINE	6.3	3.3	4.8
LOPEZ	5.7	3.0	4.3
18TH GREEN	4.7	3.3	4.0
LSD VALUE	1.5	1.0	0.9

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 13. THATCH MEASUREMENTS OF BENTGRASS CULTIVARS 1/
 GROWN ON A FAIRWAY OR TEE
 1995 DATA

THATCH MEASUREMENTS IN MILLIMETERS 2/

NAME	OH1
PENN G-2 (G-2)	8.0
PRO/CUP	8.0
PENN G-6 (G-6)	7.3
SEASIDE II (DF-1)	7.0
SOUTHSHORE	7.0
18TH GREEN	6.0
PENNEAGLE	6.0
CATO	5.3
PENNCROSS	5.3
SR 7100	5.3
BAR WS 42102	5.0
LOPEZ	5.0
TRUELINE	5.0
CRENSHAW	4.7
PROVIDENCE	4.7
TENDENZ	4.7
BAR AS 492	4.3
EXETER	4.3
OM-AT-90163	4.3
ISI-AT-90162	4.0
SEASIDE	1.0
LSD VALUE	3.2

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ THATCH MEASUREMENTS NOT COMPRESSED, USED 2 CM DIAMETER PLUG.

TABLE 14. THATCH ASHED DRY WEIGHT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1995 DATA

THATCH ASHED DRY WEIGHT: KG/SQ. METER 1/

NAME	WA3
CRENSHAW	2.18
LOPEZ	2.12
TRUELINE	2.11
18TH GREEN	2.06
BAR AS 492	2.06
PENNCROSS	2.04
ISI-AT-90162	2.02
EXETER	1.99
CATO	1.98
PENN G-2 (G-2)	1.97
PRO/CUP	1.97
PENNEAGLE	1.97
OM-AT-90163	1.97
SR 7100	1.95
SOUTHSHORE	1.92
PROVIDENCE	1.91
BAR WS 42102	1.90
TENDENZ	1.85
PENN G-6 (G-6)	1.78
SEASIDE	1.76
SEASIDE II (DF-1)	1.65
LSD VALUE	0.35

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 15. FUSARIUM PATCH RATINGS OF BENIGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1995 DATA

FUSARIUM PATCH RATINGS 1-9; 9=NO DISEASE 1/

NAME	WA1	WA3	MEAN
PENNCROSS	6.7	8.7	7.7
BAR AS 492	7.3	7.3	7.3
PENNEAGLE	6.3	8.0	7.2
PRO/CUP	6.0	8.0	7.0
TRUELINE	6.0	8.0	7.0
TENDENZ	5.7	7.7	6.7
EXETER	6.0	7.0	6.5
LOPEZ	6.3	6.7	6.5
OM-AT-90163	4.3	8.7	6.5
CATO	6.7	6.0	6.3
ISI-AT-90162	4.0	8.7	6.3
SR 7100	5.7	6.7	6.2
BAR WS 42102	5.3	7.0	6.2
SOUTHSHORE	5.3	6.7	6.0
CRENSHAW	5.7	5.0	5.3
PROVIDENCE	5.7	5.0	5.3
SEASIDE II (DF-1)	4.7	5.3	5.0
18TH GREEN	6.0	3.7	4.8
PENN G-6 (G-6)	4.3	5.0	4.7
SEASIDE	4.0	4.3	4.2
PENN G-2 (G-2)	4.7	3.0	3.8
LSD VALUE	2.7	1.9	1.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 16.

DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1995 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 1/

NAME	IN1	M11	MO1	MO2	NJ1	OH1	PA1	RI1	UB1	MEAN
TENDENZ	8.0	5.7	9.0	8.0	7.0	7.7	9.0	7.3	9.0	7.9
BAR AS 492	6.7	5.7	8.0	7.0	7.7	7.7	9.0	8.7	8.7	7.7
ISI-AT-90162	7.0	5.3	8.3	8.7	6.0	8.0	9.0	8.7	7.7	7.6
SR 7100	8.0	6.3	8.0	7.3	6.7	8.0	8.3	8.7	6.3	7.5
SEASIDE II (DF-1)	7.0	6.7	8.7	8.0	5.7	7.7	7.3	5.7	7.0	7.1
EXETER	7.3	5.7	8.0	7.0	5.3	7.0	8.7	6.7	7.3	7.0
OM-AT-90163	7.3	6.3	7.7	7.7	5.3	7.0	8.3	6.7	5.7	6.9
PROVIDENCE	7.0	5.0	8.0	6.7	5.0	8.0	7.7	6.0	6.3	6.6
SEASIDE	7.0	6.0	7.7	6.3	5.3	7.7	7.0	7.3	5.0	6.6
PENNEAGLE	5.7	5.7	8.7	7.7	5.7	8.0	4.7	6.0	4.7	6.3
PENN G-2 (G-2)	5.7	4.3	7.3	7.0	5.0	7.3	7.7	5.0	4.7	6.0
CATO	6.3	4.3	8.3	6.7	5.3	6.0	5.7	6.0	4.7	5.9
SOUTHSHORE	4.0	5.7	8.3	7.7	4.3	6.7	6.0	5.0	5.3	5.9
LOPEZ	5.7	5.0	8.7	8.0	4.3	6.7	5.3	5.0	4.0	5.9
BAR WS 42102	5.7	4.0	8.3	7.0	5.3	8.0	5.3	5.0	4.0	5.9
PENN G-6 (G-6)	6.7	5.3	7.7	6.3	4.0	8.0	6.3	3.0	4.7	5.8
PENNCROSS	4.7	5.0	8.0	7.0	5.0	6.7	6.7	3.3	5.7	5.8
TRUELINE	4.7	4.7	8.3	6.7	3.3	6.3	4.3	6.3	5.0	5.5
PRO/CUP	4.0	4.3	9.0	7.3	3.7	5.7	4.7	5.7	2.7	5.2
CRENSHAW	3.3	4.0	6.7	5.7	2.7	5.7	2.7	3.7	3.7	4.2
18TH GREEN	3.3	3.7	6.3	6.7	2.7	4.0	4.3	4.7	1.3	4.1
LSD VALUE	1.8	1.1	1.1	1.8	1.0	2.2	1.5	2.7	2.1	0.6

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 17. PERCENT DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A FAIRWAY OR TEE
 1995 DATA

NAME	KY1
CRENSHAW	27.0
18TH GREEN	26.7
BAR WS 42102	21.3
CATO	19.0
TRUELINE	18.7
PENN G-6 (G-6)	18.0
SEASIDE II (DF-1)	14.7
PENNEAGLE	14.3
SOUTHSHORE	14.3
PRO/CUP	12.7
PROVIDENCE	12.7
PENN G-2 (G-2)	12.3
PENNCROSS	11.7
LOPEZ	4.3
SR 7100	3.7
ISI-AT-90162	1.7
OM-AT-90163	1.0
SEASIDE	1.0
BAR AS 492	0.0
EXETER	0.0
TENDENZ	0.0
LSD VALUE	13.0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 18. BROWN PATCH RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1995 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 1/

NAME	IA1	IL1	IN1	MD1	NJ1	OH1	PA1	MEAN
PROVIDENCE	8.7	7.3	8.3	8.0	7.0	7.3	9.0	7.9
18TH GREEN	8.7	8.7	8.0	8.0	7.3	5.0	9.0	7.8
PENN G-6 (G-6)	9.0	8.0	7.3	8.3	5.0	7.3	9.0	7.6
SOUTHSHORE	8.7	8.3	7.0	8.3	6.0	7.0	9.0	7.6
CRENSHAW	8.7	7.7	6.0	7.7	7.3	7.7	9.0	7.5
LOPEZ	8.3	8.3	6.3	8.0	6.7	6.3	8.7	7.5
PENNEAGLE	9.0	8.0	7.0	8.3	5.7	5.7	8.7	7.5
TRUELINE	8.7	7.7	7.3	8.0	7.0	4.7	9.0	7.5
PRO/CUP	8.0	7.3	6.7	8.0	7.0	5.7	9.0	7.3
CATO	8.7	7.7	5.3	7.3	6.0	7.3	9.0	7.3
PENNCROSS	8.3	8.3	7.3	8.0	6.3	5.3	8.7	7.3
PENN G-2 (G-2)	8.3	6.7	5.3	7.7	6.0	7.7	7.0	7.1
SEASIDE II (DF-1)	7.0	7.0	6.0	8.0	5.7	5.3	8.3	6.8
BAR WS 42102	8.0	8.0	5.3	7.0	5.0	6.7	8.3	6.8
SEASIDE	6.7	6.0	5.3	7.7	4.7	2.7	7.7	5.8
EXETER	3.7	6.0	7.0	7.3	4.7	6.7	3.0	5.5
BAR AS 492	4.7	4.3	3.0	7.0	5.0	4.7	4.7	5.0
ISI-AT-90162	3.3	3.7	3.7	7.3	4.3	2.0	4.0	4.4
OM-AT-90163	3.7	2.7	2.0	6.7	4.7	5.0	3.0	4.0
SR 7100	2.7	5.0	2.0	6.7	5.7	2.0	3.0	4.0
TENDENZ	3.3	5.3	2.3	6.7	4.3	1.7	2.0	3.7
LSD VALUE	1.6	2.6	1.9	1.3	1.0	3.9	1.3	0.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 19. PERCENT BROWN PATCH RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE AT LEXINGTON, KENTUCKY (KY1) 1/
1995 DATA

NAME	JUNE 14	JUNE 26	MEAN
OM-AT-90163	22.3	23.3	22.8
TENDENZ	15.3	19.0	17.2
BAR AS 492	19.3	12.7	16.0
SR 7100	14.3	16.7	15.5
ISI-AT-90162	0.0	11.0	5.5
EXETER	0.0	7.3	3.7
SOUTHSHORE	0.0	0.7	0.3
18TH GREEN	0.0	0.0	0.0
BAR WS 42102	0.0	0.0	0.0
CATO	0.0	0.0	0.0
CRENSHAW	0.0	0.0	0.0
LOPEZ	0.0	0.0	0.0
PENN G-2 (G-2)	0.0	0.0	0.0
PENN G-6 (G-6)	0.0	0.0	0.0
PENNCROSS	0.0	0.0	0.0
PENNEAGLE	0.0	0.0	0.0
PRO/CUP	0.0	0.0	0.0
PROVIDENCE	0.0	0.0	0.0
SEASIDE	0.0	0.0	0.0
SEASIDE II (DF-1)	0.0	0.0	0.0
TRUELINE	0.0	0.0	0.0
LSD VALUE	11.6	7.8	8.0

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 20. WINTER DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1995 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 1/

NAME	WA3
BAR WS 42102	8.0
ISI-AT-90162	8.0
SR 7100	8.0
SOUTHSHORE	7.3
BAR AS 492	6.7
PENN G-2 (G-2)	6.7
PROVIDENCE	6.7
OM-AT-90163	6.3
PENN G-6 (G-6)	6.3
TRUELINE	6.3
18TH GREEN	6.0
LOPEZ	6.0
CRENSHAW	5.7
CATO	5.3
SEASIDE II (DF-1)	5.3
EXETER	5.0
PENNEAGLE	5.0
PRO/CUP	5.0
TENDENZ	5.0
PENNCROSS	4.7
SEASIDE	3.0
LSD VALUE	1.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 21. FALL VERDURE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1995 DATA

FALL VERDURE RATINGS 1-9; 9=BEST 1/

NAME	WA3
BAR AS 492	9.0
OM-AT-90163	9.0
ISI-AT-90162	8.7
SR 7100	8.3
LOPEZ	7.7
PENNCROSS	7.7
BAR WS 42102	7.0
SEASIDE	7.0
EXETER	6.7
PRO/CUP	6.7
CRENSHAW	6.3
SOUTHSHORE	6.3
TENDENZ	6.0
18TH GREEN	5.7
PENN G-6 (G-6)	5.7
TRUELINE	5.7
SEASIDE II (DF-1)	5.3
PENN G-2 (G-2)	4.3
PENNEAGLE	4.0
PROVIDENCE	3.7
CATO	2.7
LSD VALUE	2.4

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 22. SCALPING RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1995 DATA

SCALPING RATINGS 1-9; 9=NONE 1/

NAME	PA1
OM-AT-90163	9.0
TENDENZ	9.0
BAR AS 492	8.7
ISI-AT-90162	8.7
SR 7100	8.7
EXETER	8.3
LOPEZ	8.0
TRUELINE	8.0
18TH GREEN	7.7
SEASIDE	7.7
CATO	7.3
PENNCROSS	7.3
PENNEAGLE	7.3
PRO/CUP	6.0
SOUTHSHORE	6.0
PROVIDENCE	5.7
SEASIDE II (DF-1)	5.7
CRENSHAW	5.3
BAR WS 42102	4.7
PENN G-2 (G-2)	2.7
PENN G-6 (G-6)	2.3
LSD VALUE	1.7

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

TABLE 23. BLACK CUTWORM RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1995 DATA

BLACK CUTWORM RATINGS 1-9; 9=NO DAMAGE 1/

NAME	OH1
OM-AT-90163	8.3
PENNCROSS	8.0
SEASIDE	8.0
SR 7100	8.0
TRUELINE	8.0
EXETER	7.7
PROVIDENCE	7.7
18TH GREEN	7.3
ISI-AT-90162	7.3
PENN G-6 (G-6)	7.3
PENNEAGLE	7.3
SEASIDE II (DF-1)	7.3
TENDENZ	7.3
BAR AS 492	7.0
CATO	7.0
CRENSHAW	7.0
PENN G-2 (G-2)	6.7
SOUTHSHORE	6.7
LOPEZ	6.3
PRO/CUP	6.3
BAR WS 42102	6.0
LSD VALUE	1.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).