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 Commmittees 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.

Executive Director - Dr. Robert Shearman, University of Nebraska

National Program Coordinator - Kevin N. Morris, National Turfgrass Federation, Inc.

CURRENT POLICY COMMITTEE MEMBERS:

Dr. Richard White, Texas A&M University
Dr. Anthony Koski, Colorado State University
Dr. Thomas Fermanian, University of Illinois
Dr. Gerald Pepin, Pickseed West, Inc.
Dr. Bridget Ruemmele, University of Rhode Island
Mr. Al Gardner, A-G Turf Farms, Inc.
Dr. Michael Kenna, USGA Green Section
Ms. Crystal Rose-Fricker, Pure-Seed Testing, Inc.

FOR ADDITIONAL REPORTS OR INFORMATION WRITE:

Kevin Morris, National Program Coordinator
National Turfgrass Evaluation Program
Beltsville Agricultural Research Center-West
Building 002, Room 013
Beltsville, Maryland 20705

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1993 National Bentgrass (Fairway/Tee) Test - 1994 data

CONTENTS (Continued)

LOCATIONS SUBMITTING DATA FOR 1994

State	Location	Code
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 Hampshire	Durham	NH1
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
Wisconsin	Madison	WI1

1993 NATIONAL BENTGRASS TEST
(Fairway/Tee)

Entries and Sponsors

Entry No.	Name	Species	Sponsor
1	18th Green	creeping	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	DF-1	creeping	Tee-2-Green Corp.
15	G-2	creeping	Tee-2-Green Corp.
16	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. 1994 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	0.5	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	-	-	-	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
IN1	SILT LOAM AND SILT	7.1-7.5	0-60	241-375	1.1-2.0	FULL SUN	0.5	TO PREVENT STRESS
KS2	SANDY LOAM	6.6-7.0	61-150	241-375	3.1-4.0	FULL SUN	0.6	TO PREVENT STRESS
KY1	SILT LOAM AND SILT	-	-	-	2.1-3.0	FULL SUN	0.5	TO PREVENT STRESS
MA1	SILT LOAM AND SILT	6.1-6.5	61-150	241-375	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MB1	SILTY CLAY AND CIAY	7.6-8.5	61-150	501+	1.1-2.0	FULL SUN	0.5	TO PREVENT STRESS
MD1	SILT LOAM AND SILT	5.6-6.0	61-150	241-375	3.1-4.0	FULL SUN	0.5	TO PREVENT STRESS
MI1	SANDY LOAM	6.6-7.0	-	-	8.1+	FULL SUN	0.625	TO PREVENT STRESS
MO1	SILT LOAM AND SILT	6.1-6.5	61-150	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MO2	SILT LOAM AND SILT	6.1-6.5	61-150	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NH1	LOAM	5.6-6.0	61-150	151-240	3.1-4.0	PARTIAL SHADE	0.6-1.0	TO PREVENT STRESS
NJ1	SANDY LOAM	5.6-6.0	271-450	241-375	2.1-3.0	FULL SUN	0.6	TO PREVENT STRESS
OH1	SILTY CLAY AND CIAY	7.6-8.5	-	-	4.1-5.0	FULL SUN	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	TO PREVENT STRESS
RI1	SILT LOAM AND SILT	6.6-7.0	-	0-150	2.1-3.0	FULL SUN	0.75	TO PREVENT STRESS
UB1	SILT LOAM AND SILT	6.1-6.5	61-150	0-150	3.1-4.0	FULL SUN	0.5	TO PREVENT STRESS
VA8	-	-	-	-	1.1-2.0	FULL SUN	0.85	NO IRRIGATION
WA1	SILT LOAM AND SILT	5.6-6.0	271-450	501+	3.1-4.0	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
WI1	SILT LOAM AND SILT	6.6-7.0	61-150	151-240	2.1-3.0	FULL SUN	0.4	TO PREVENT STRESS

TABLE A. (CONT'D) FUNGICIDE USE IN 1994 (SUBMITTED TO NTEP)

LOCATION	FUNGICIDE	RATE (OZ/1000 SQ. FT.)	DATE(S) OF APPLICATION
IA1	CHLOROTHALONIL (DACONIL 2787)	4	6/6
	CHLOROTHALONIL (DACONIL 2787)	10	7/6
	CHLOROTHALONIL (THALONIL 90 DF)	2	8/9
	IPRODIONE	2	6/24, 9/12
	METALAXYL	2	7/6
IN1	NO FUNGICIDES APPLIED	-	-
KS2	CHLOROTHALONIL	3	6/14
	THIOPHANATE-METHYL	2	7/10, 8/26
MB1	CHLORONEB	-	6/26
	CHLOROTHALONIL	-	10/25
MD1	CHLOROTHALONIL	8	5/24, 6/9, 7/19, 8/30
	IPRODIONE	4	6/20, 7/5
	METALAXYL	2	7/19
	PROPOCONAZOLE	4	8/3, 10,27
	VINCLOZOLIN	2	5/6
MI1	CHLOROTHALONIL	3	7/5
	PROPOCONAZOLE	2	8/25
NJ1	CHLOROTHALONIL	6	6/4 - 8/26, FOUR APPLICATIONS
OH1	VINCLOZOLIN	2	8/16
	VINCLOZOLIN	4	9/16
	CHLOROTHALONIL	6	10/21
RI1	TRIADIMEFON	2	APPLIED ONCE
	CHLOROTHALONIL	4	APPLIED ONCE
UB1	NO FUNGICIDES APPLIED	-	-
VA8	MANEB	5	10/12
	ANILAZINE	5	10/17, 12/8
WI1	NO FUNGICIDES APPLIED	-	-

TABLE B. LOCATIONS AND DATA COLLECTED IN 1994

LOCATION	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	GENETIC COLOR RATING	SPRING GREENUP RATING
IA1						X	X	X	X				
IL1				X	X	X	X	X	X			X	X
IN1				X	X	X	X	X					
KS2			X	X	X	X	X	X				X	
KY1		X	X	X	X	X	X	X	X			X	
MA1			X	X	X	X	X	X	X			X	
MB1							X		X			X	
MD1				X	X		X		X				
MI1								X	X				
MO1			X	X	X	X	X	X	X	X			X
MO2			X	X	X	X	X	X	X	X			X
NH1				X			X			X		X	
NJ1					X	X	X	X	X	X	X		
OH1						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	X
VA8		X	X	X	X	X	X		X	X		X	
WA1					X	X	X	X	X			X	
WA3	X	X	X	X	X	X	X	X	X	X	X	X	
WI1						X	X	X	X			X	

TABLE B. (CONT'D) LOCATIONS AND DATA COLLECTED IN 1994

LOCATION	LEAF TEXTURE RATING	WEAR TOLERANCE	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	PERCENT WINTER KILL	TYPHULA BLIGHT	FUSARIUM PATCH	LEAF SPOT
IA1														
IL1	X		X											
IN1							X							
KS2			X							X				
KY1														
MA1														
MB1					X	X								
MD1			X											
MI1														
MO1		X	X	X	X	X	X	X	X					
MO2			X	X	X	X	X	X	X					
NH1				X	X									X
NJ1			X											
OH1	X						X	X	X		X			
PA1	X		X	X		X			X			X		
RI1	X		X											
UB1	X		X								X			
VA8							X			X				
WA1	X		X											
WA3			X	X		X				X			X	
WI1			X											

TABLE B (CONT'D) LOCATIONS AND DATA COLLECTED IN 1994

LOCATION	DOLLAR SPOT	BROWN PATCH	SEED HEAD	PERCENT POA MAY	SCALPING RATING	VERTICAL GROWTH
IA1						
IL1				X		
IN1	X					
KS2						
KY1						
MA1		X				
MB1						
MD1						
MI1						
MO1	X	X				
MO2	X	X				
NH1						
NJ1		X			X	
OH1						
PA1	X	X	X			
RI1						
UB1						
VA8						
WA1						
WA3						X
WI1						

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A FAIRWAY OR TEE AT TWENTY-ONE LOCATIONS IN THE U.S. AND CANADA 1994 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/

NAME	IA1	IL1	IN1	KS2	KY1	MA1	MB1	MD1	MI1	MO1	MO2	NH1	NJ1	OH1	PA1	RI1	UB1	VA8	WA1	WA3	WI1	MEAN
* PROVIDENCE	6.6	5.7	6.5	7.2	7.5	6.6	7.3	6.5	5.8	7.8	7.8	6.6	6.4	8.1	6.6	5.2	7.0	4.9	7.3	6.2	7.6	6.7
* CATO	7.0	5.1	7.2	7.8	6.5	7.1	7.3	5.8	5.7	7.4	7.4	5.2	7.0	8.0	7.1	4.7	6.7	4.8	7.3	5.9	7.5	6.6
* CRENSHAW	6.3	5.6	6.4	7.6	7.3	7.0	7.5	6.4	6.2	7.4	7.3	5.1	7.6	8.0	5.8	4.7	6.7	4.8	7.3	5.4	7.4	6.6
* PENNEAGLE	6.8	5.7	6.8	7.8	7.8	6.1	6.7	6.2	6.2	7.7	7.3	5.6	6.4	7.9	7.1	4.6	6.6	4.9	7.0	5.8	6.9	6.6
* SOUTHSHORE	6.8	5.4	6.2	7.6	7.1	5.7	7.3	6.3	6.2	7.5	7.6	4.0	6.4	8.3	6.2	5.1	6.4	5.1	7.1	5.9	6.9	6.4
* G-6	6.3	5.1	6.3	6.6	7.3	6.6	6.7	6.6	5.5	7.2	7.3	4.0	7.5	8.1	6.6	4.3	6.9	5.3	7.0	5.3	8.1	6.4
* PRO/CUP	5.7	4.8	6.4	6.6	7.2	6.0	6.7	5.8	5.7	7.4	7.5	5.8	5.7	7.8	5.7	5.1	6.7	5.1	7.2	6.0	7.2	6.3
* G-2	5.7	4.3	6.9	6.7	6.6	6.6	6.8	6.1	5.7	6.9	6.9	4.3	7.2	7.8	6.8	4.2	7.0	4.5	7.0	6.1	7.7	6.3
* PENNCROSS	5.3	5.2	6.5	7.3	7.5	6.0	6.8	6.3	5.7	7.5	7.1	5.4	5.1	7.8	5.8	4.6	6.1	5.2	6.7	5.5	7.1	6.2
BAR WS 42102	6.0	4.8	6.7	6.6	6.7	6.1	7.3	5.9	5.8	7.2	7.0	5.1	5.5	8.0	6.0	4.8	6.4	4.0	7.1	5.4	7.1	6.2
* TRUELINE	6.1	5.0	6.1	7.1	6.4	6.1	6.5	5.8	5.7	7.1	7.4	5.0	6.1	7.7	5.3	4.9	6.9	4.4	6.6	5.7	6.9	6.1
* LOPEZ	5.8	4.3	6.2	7.2	6.8	5.9	6.5	5.6	5.7	6.8	6.9	5.9	6.0	7.4	5.6	4.7	6.8	4.6	7.1	5.6	7.0	6.1
* 18TH GREEN	5.6	4.3	6.6	6.8	6.3	6.6	8.2	5.4	5.5	7.5	7.5	5.0	5.4	8.0	5.3	3.9	6.8	4.0	7.1	4.9	6.8	6.1
* DF-1	5.6	5.3	6.3	7.2	7.2	5.7	6.3	5.9	5.8	7.4	7.3	4.6	5.8	7.8	5.7	4.5	5.8	4.9	6.9	4.7	7.0	6.1
ISI-AT-90162	4.3	5.1	5.2	4.6	7.4	6.2	7.2	5.3	5.2	6.5	6.4	4.4	5.8	7.3	6.2	4.8	5.5	3.9	6.6	6.5	7.2	5.8
* SR 7100	4.4	4.2	4.7	5.4	7.2	5.8	5.8	5.1	5.7	7.7	7.1	5.0	5.3	7.3	6.1	4.6	5.8	4.9	6.1	6.0	7.3	5.8
OM-AT-90163	3.9	4.8	4.5	5.1	7.6	5.9	7.0	5.0	5.7	7.0	6.6	4.6	5.0	7.4	6.0	4.5	5.5	3.6	6.5	5.5	7.3	5.7
* TENDENZ	3.8	4.2	4.5	4.2	7.0	6.5	6.7	5.0	5.2	6.4	6.2	4.6	4.7	7.3	6.3	3.6	5.6	4.1	5.9	5.2	7.3	5.4
BAR AS 492	3.8	3.6	4.8	5.6	6.0	5.6	5.3	4.8	5.2	6.7	6.6	5.1	4.5	7.1	5.4	5.1	5.9	4.4	5.3	5.8	6.9	5.4
* SEASIDE	4.0	4.5	4.7	5.0	6.6	3.9	6.3	5.3	5.2	6.3	6.5	5.0	3.2	7.2	4.2	4.6	4.2	4.0	5.3	4.8	5.6	5.1
* EXETER	3.2	4.2	3.9	4.8	6.8	3.8	5.3	4.5	5.0	6.0	6.0	5.4	3.1	6.3	4.4	4.2	3.8	3.7	5.9	4.8	6.8	4.8
LSD VALUE	0.9	0.7	1.0	1.0	0.7	0.5	1.1	0.5	0.7	0.4	0.5	0.4	0.7	0.4	0.7	0.8	0.5	0.7	0.8	0.3	0.5	0.2

* COMMERCIALLY AVAILABLE IN THE USA IN 1995

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 TWENTY-ONE LOCATIONS IN THE U.S. AND CANADA 1994 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 1/

NAME	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
PROVIDENCE	5.3	5.8	6.1	6.6	6.7	6.6	6.6	7.1	7.0	6.5	6.7	6.7
CATO	4.0	4.9	6.3	6.4	6.8	6.8	6.6	7.0	6.9	5.8	6.0	6.6
CRENSHAW	2.3	5.3	6.2	6.4	6.9	6.9	6.6	6.8	6.5	5.7	6.0	6.6
PENNEAGLE	4.7	6.0	6.3	6.6	6.4	6.8	6.6	6.9	6.7	5.9	6.0	6.6
SOUTHSHORE	4.3	5.1	6.1	6.5	6.5	6.6	6.5	6.7	6.5	5.9	6.3	6.4
G-6	2.7	5.0	5.9	6.1	6.3	6.5	6.4	6.9	6.8	6.0	6.8	6.4
PRO/CUP	3.3	5.6	6.0	6.4	6.4	6.4	6.3	6.4	6.2	6.3	6.3	6.3
G-2	5.3	4.3	5.6	6.0	6.2	6.4	6.2	6.8	6.7	5.9	7.3	6.3
PENNCROSS	4.0	6.2	6.2	6.5	6.4	6.2	6.2	6.2	6.1	5.8	4.8	6.2
BAR WS 42102	2.3	4.3	5.8	6.2	6.4	6.3	6.1	6.4	6.2	5.3	5.0	6.2
TRUELINE	4.0	4.8	5.5	5.9	6.2	6.3	6.3	6.5	6.2	5.8	5.8	6.1
LOPEZ	4.3	4.7	5.5	5.9	6.1	6.2	6.3	6.4	6.2	5.8	5.8	6.1
18TH GREEN	2.7	4.7	5.7	6.1	6.2	6.4	6.3	6.2	5.9	5.1	3.3	6.1
DF-1	5.0	5.3	5.7	5.8	5.9	6.2	6.0	6.5	6.2	6.0	6.0	6.1
ISI-AT-90162	5.3	5.6	5.8	5.6	5.9	5.4	5.8	6.1	6.2	5.5	6.2	5.8
SR 7100	6.0	5.7	6.1	5.9	6.2	5.6	5.7	5.8	5.9	5.9	4.7	5.8
OM-AT-90163	4.0	5.4	6.1	5.8	5.7	5.2	5.6	5.8	5.9	5.4	5.8	5.7
TENDENZ	3.3	4.8	6.1	5.8	5.7	4.8	5.5	5.4	5.6	5.1	4.0	5.4
BAR AS 492	6.0	4.4	4.8	5.4	5.2	5.1	5.5	5.9	5.6	6.1	6.2	5.4
SEASIDE	5.3	5.2	5.3	5.2	4.8	4.7	4.9	4.9	5.1	5.3	4.8	5.1
EXETER	5.0	5.8	5.1	4.9	4.5	4.4	4.6	4.9	5.0	4.9	4.8	4.8
LSD VALUE	0.9	1.0	0.8	0.6	0.5	0.6	0.5	0.5	0.5	1.0	1.1	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 ON A FAIRWAY OR TEE AT TWENTY-ONE LOCATIONS IN THE U.S. AND CANADA 1/
1994 DATA

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

NAME	IA1	IL1	IN1	KS2	KY1	MA1	MB1	MD1	MI1	MO1	MO2	NH1	NJ1	OH1	PA1	RI1	UB1	VA8	WA1	WA3	WI1	MEAN
PROVIDENCE	4.0	2.0	6.0	6.0	4.0	4.0	4.5	2.0	5.0	1.0	1.0	1.0	7.0	2.5	4.0	1.0	2	5.5	2.0	2.0	3.0	1
CATO	1.0	7.0	1.0	1.5	18.0	1.0	4.5	10.5	10.5	9.0	5.0	7.0	4.0	6.0	2.0	9.0	7	9.5	3.0	6.0	4.0	2
CRENSHAW	5.0	3.0	8.5	3.5	6.0	2.0	2.0	3.0	2.0	9.0	7.5	9.0	1.0	6.0	12.5	9.0	8	9.5	1.0	14.5	5.0	3
PENNEAGLE	2.5	1.0	3.0	1.5	1.0	9.0	12.5	6.0	2.0	3.0	7.5	4.0	5.5	8.0	1.0	11.0	10	7.5	10.0	8.0	16.5	4
SOUTHSHORE	2.5	4.0	12.5	3.5	11.0	17.0	4.5	4.0	2.0	4.0	2.0	21.0	5.5	1.0	7.5	2.5	12	3.5	8.0	7.0	16.5	5
G-6	6.0	8.0	10.5	13.5	7.0	5.5	12.5	1.0	15.5	11.5	9.0	20.0	2.0	2.5	5.0	17.0	3	1.0	10.0	16.0	1.0	6
PRO/CUP	10.5	13.0	8.5	12.0	8.5	12.0	12.5	10.5	10.5	9.0	4.0	3.0	12.0	10.5	14.5	2.5	9	3.5	4.0	4.0	9.5	7
G-2	10.5	16.0	2.0	11.0	16.5	5.5	9.5	7.0	10.5	15.0	14.0	19.0	3.0	10.5	3.0	18.0	1	12.0	10.0	3.0	2.0	8
PENNCROSS	14.0	6.0	7.0	5.0	3.0	13.0	9.5	5.0	10.5	6.0	11.0	5.5	16.0	10.5	12.5	12.0	13	2.0	13.0	12.0	11.5	9
BAR WS 42102	8.0	11.5	4.0	13.5	15.0	10.5	4.5	8.5	5.0	11.5	13.0	9.0	13.0	4.0	10.5	6.0	11	17.5	6.0	14.5	11.5	10
TRUELINE	7.0	10.0	14.0	9.0	19.0	10.5	15.5	12.0	10.5	13.0	6.0	12.5	8.0	13.0	18.0	5.0	4	13.5	14.5	10.0	16.5	11
LOPEZ	9.0	16.0	12.5	7.0	13.0	15.0	15.5	13.0	10.5	16.0	15.0	2.0	9.0	14.5	16.0	9.0	6	11.0	6.0	11.0	13.5	12
18TH GREEN	12.5	16.0	5.0	10.0	20.0	3.0	1.0	14.0	15.5	5.0	3.0	12.5	14.0	6.0	19.0	20.0	5	16.0	6.0	18.0	19.5	13
DF-1	12.5	5.0	10.5	8.0	8.5	18.0	17.5	8.5	5.0	7.0	10.0	15.0	10.5	10.5	14.5	15.5	15	7.5	12.0	21.0	13.5	14
ISI-AT-90162	16.0	9.0	15.0	20.0	5.0	8.0	7.0	15.5	18.5	18.0	19.0	18.0	10.5	17.0	7.5	7.0	19	19.0	14.5	1.0	9.5	15
SR 7100	15.0	19.0	18.0	16.0	10.0	16.0	19.0	17.0	10.5	2.0	12.0	12.5	15.0	17.0	9.0	13.5	16	5.5	17.0	5.0	7.5	16
OM-AT-90163	18.0	11.5	20.0	17.0	2.0	14.0	8.0	18.5	10.5	14.0	16.0	16.0	17.0	14.5	10.5	15.5	18	21.0	16.0	13.0	6.0	17
TENDENZ	20.0	19.0	19.0	21.0	12.0	7.0	12.5	18.5	18.5	19.0	20.0	17.0	18.0	17.0	6.0	21.0	17	15.0	18.0	17.0	7.5	18
BAR AS 492	19.0	21.0	16.0	15.0	21.0	19.0	20.5	20.0	18.5	17.0	17.0	9.0	19.0	20.0	17.0	4.0	14	13.5	20.0	9.0	16.5	19
SEASIDE	17.0	14.0	17.0	18.0	16.5	20.0	17.5	15.5	18.5	20.0	18.0	12.5	20.0	19.0	21.0	13.5	20	17.5	21.0	20.0	21.0	20
EXETER	21.0	19.0	21.0	19.0	14.0	21.0	20.5	21.0	21.0	21.0	21.0	5.5	21.0	21.0	20.0	19.0	21	20.0	19.0	19.0	19.5	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
1994 DATA

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

NAME	IL1	KS2	KY1	MA1	MB1	NH1	OH1	PA1	RI1	UB1	VA8	WA1	WA3	WI1	MEAN
18TH GREEN	7.3	8.0	8.3	8.3	9.0	7.0	7.0	8.0	7.0	8.0	5.0	8.3	7.0	6.3	7.5
CATO	7.7	8.3	7.7	8.0	7.7	7.0	7.3	5.3	6.7	7.3	5.0	8.0	6.3	6.7	7.1
TENDENZ	5.3	8.0	8.3	7.3	7.3	7.0	8.0	8.7	4.0	6.0	6.7	5.7	7.3	8.0	7.0
PROVIDENCE	7.7	7.3	7.7	8.0	7.0	8.0	7.0	6.7	5.7	7.0	5.0	8.0	5.7	6.0	6.9
CRENSHAW	7.3	7.0	8.0	8.3	6.7	6.7	6.7	7.7	6.0	7.0	5.0	8.0	5.0	6.7	6.9
ISI-AT-90162	5.3	7.7	8.0	6.3	6.3	7.0	8.0	7.0	4.7	6.0	6.3	6.0	7.0	8.0	6.7
G-6	7.3	8.0	7.7	8.0	6.7	7.0	7.3	4.0	5.3	8.0	5.0	8.0	4.3	6.7	6.7
OM-AT-90163	6.0	7.7	7.7	6.7	7.3	7.0	7.7	7.0	4.0	6.0	6.7	6.0	6.0	7.7	6.7
G-2	7.0	8.0	7.3	8.0	6.7	6.0	7.0	6.0	6.0	7.7	5.7	8.0	3.3	6.0	6.6
LOPEZ	6.7	7.3	6.7	6.7	7.3	7.7	7.3	5.7	6.3	6.3	5.0	7.7	6.0	6.0	6.6
SOUTHSHORE	7.3	7.0	8.0	5.7	6.7	6.0	7.0	7.0	5.0	7.0	5.0	8.0	5.0	6.0	6.5
BAR WS 42102	7.3	8.0	8.0	6.7	6.7	7.0	7.0	4.0	5.3	7.0	5.0	8.0	4.7	5.7	6.5
TRUELINE	6.7	7.3	6.3	7.0	7.0	6.3	7.0	5.0	6.0	7.0	5.0	7.7	6.0	6.0	6.5
PRO/CUP	6.7	7.0	8.0	6.7	6.7	7.0	7.0	5.7	5.0	6.3	5.0	7.7	5.0	6.0	6.4
PENNEAGLE	7.3	7.0	7.3	6.7	6.7	7.0	7.0	5.3	5.0	7.0	5.0	7.3	4.0	6.0	6.3
PENNCROSS	7.0	7.0	7.3	7.0	6.0	7.0	7.3	5.7	5.0	6.3	4.0	7.3	5.3	6.3	6.3
SR 7100	5.7	7.0	7.7	6.3	6.7	7.0	7.3	6.0	3.7	6.0	6.3	5.3	5.0	8.0	6.3
BAR AS 492	6.3	6.3	6.3	6.0	7.0	7.0	7.3	5.0	4.0	6.0	6.3	6.3	4.3	6.7	6.1
DF-1	7.0	6.7	7.0	7.0	6.0	6.0	7.0	4.0	5.0	6.7	5.0	7.3	2.7	6.0	6.0
EXETER	7.0	5.7	6.0	4.0	6.7	7.0	6.0	4.3	4.7	5.0	5.3	6.0	5.3	6.3	5.7
SEASIDE	6.0	5.0	6.3	4.0	6.0	5.3	7.0	2.0	3.0	5.0	5.7	5.7	1.7	6.0	4.9
LSD VALUE	1.0	0.9	0.9	1.3	0.9	0.6	0.7	1.2	0.9	0.5	0.8	0.9	1.2	0.7	0.2

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).

TABLE 5. SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS GROWN ON A FAIRWAY OR TEE 1994 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 1/

NAME	IL1	MO1	MO2	UB1	MEAN
18TH GREEN	5.7	9.0	8.7	7.3	7.7
TRUELINE	6.3	7.7	7.7	8.0	7.4
SR 7100	7.7	7.0	7.7	6.7	7.3
EXETER	6.7	7.0	8.3	7.0	7.3
LOPEZ	6.3	7.7	7.7	7.3	7.3
SEASIDE	7.0	7.3	7.7	7.0	7.3
BAR WS 42102	5.7	8.0	8.0	7.0	7.2
TENDENZ	6.3	8.0	7.3	7.0	7.2
CATO	5.7	8.0	8.3	6.0	7.0
PENNEAGLE	7.3	7.3	7.3	6.0	7.0
PRO/CUP	6.3	7.7	7.7	6.3	7.0
G-6	6.0	7.7	7.3	6.7	6.9
OM-AT-90163	6.3	7.3	7.0	7.0	6.9
BAR AS 492	5.7	7.3	6.3	8.0	6.8
ISI-AT-90162	6.3	7.7	7.3	6.0	6.8
DF-1	6.0	7.7	7.3	6.0	6.8
G-2	6.3	7.3	7.0	6.3	6.8
CRENSHAW	6.7	8.0	7.0	5.0	6.7
PENNCROSS	6.3	7.7	7.0	5.7	6.7
SOUTHSHORE	6.0	8.3	7.3	5.0	6.7
PROVIDENCE	6.3	7.7	7.3	5.3	6.7
LSD VALUE	1.3	1.1	1.0	1.0	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 6. LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1994 DATA

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

NAME	IL1	OH1	PA1	RI1	UB1	WA1	MEAN
BAR WS 42102	8.0	8.0	9.0	6.7	8.0	7.7	7.9
CATO	8.3	8.3	9.0	6.3	7.7	7.3	7.8
G-2	8.0	8.3	7.3	6.3	8.7	7.3	7.7
SR 7100	8.3	8.3	5.7	7.0	8.0	8.0	7.6
G-6	8.3	8.0	7.7	6.0	7.7	7.0	7.4
PROVIDENCE	8.0	8.0	7.3	6.3	8.0	7.0	7.4
SOUTHSHORE	8.0	8.0	6.7	7.0	7.7	7.0	7.4
DF-1	8.0	8.7	6.3	6.3	7.7	7.0	7.3
CRENSHAW	7.3	8.7	8.0	4.3	8.0	7.3	7.3
ISI-AT-90162	8.0	9.0	5.3	6.3	7.7	7.3	7.3
OM-AT-90163	8.0	8.3	5.0	6.3	7.7	8.0	7.2
TENDENZ	8.7	8.7	4.7	6.3	7.3	7.7	7.2
18TH GREEN	7.7	8.0	8.3	4.3	7.3	7.0	7.1
PENNEAGLE	7.7	8.0	5.7	6.3	7.7	7.0	7.1
PRO/CUP	7.3	8.7	5.7	6.3	7.7	6.7	7.1
BAR AS 492	7.7	8.7	4.0	6.7	7.7	7.3	7.0
TRUELINE	7.0	8.3	3.3	6.3	8.0	7.0	6.7
PENNCROSS	7.0	8.3	4.3	5.7	7.0	7.0	6.6
EXETER	7.3	9.0	4.3	6.7	5.0	7.0	6.6
LOPEZ	7.0	8.3	3.0	5.7	7.0	7.0	6.3
SEASIDE	7.0	9.0	1.7	7.3	5.0	6.3	6.1
LSD VALUE	0.6	0.7	1.2	1.7	0.7	0.6	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 7. WEAR TOLERANCE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1994 DATA

WEAR TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE 1/

NAME	MO1
CRENSHAW	7.3
DF-1	7.3
PROVIDENCE	7.3
SOUTHSHORE	7.3
G-6	7.0
LOPEZ	7.0
BAR AS 492	6.7
BAR WS 42102	6.7
CATO	6.7
G-2	6.7
ISI-AT-90162	6.7
OM-AT-90163	6.7
PENNCROSS	6.7
PENNEAGLE	6.7
SR 7100	6.3
TENDENZ	6.3
TRUELINE	6.3
PRO/CUP	6.0
SEASIDE	6.0
EXETER	5.7
18TH GREEN	5.3
LSD VALUE	1.3

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 8. SEEDLING VIGOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1994 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 1/

NAME	IL1	KS2	MD1	MO1	MO2	NJ1	PA1	RI1	UB1	WA1	WA3	WI1	MEAN
SEASIDE	6.0	8.3	6.7	7.3	7.7	9.0	6.3	7.7	8.0	9.0	8.7	8.7	7.8
PROVIDENCE	5.3	7.3	7.0	7.0	7.0	7.7	6.7	6.0	7.0	8.0	7.3	8.7	7.1
PENNCROSS	4.3	7.3	7.7	7.0	7.0	8.3	6.7	5.7	6.7	8.3	7.3	8.0	7.0
PENNEAGLE	4.3	6.7	7.0	7.0	7.3	7.7	5.3	6.0	6.3	8.7	7.3	7.0	6.7
CRENSHAW	5.0	6.0	7.3	5.3	6.7	6.7	6.0	6.7	6.7	7.7	8.3	8.0	6.7
OM-AT-90163	4.0	4.7	6.0	6.7	7.3	7.7	5.7	7.0	7.7	7.7	7.3	8.3	6.7
SOUTHSHORE	3.7	6.3	7.0	7.0	7.3	8.0	5.7	6.3	6.0	7.7	7.3	7.0	6.6
EXETER	4.0	8.7	5.7	7.0	7.3	7.7	4.7	6.7	7.0	8.0	6.0	6.0	6.6
PRO/CUP	4.3	7.0	6.3	6.3	7.3	8.0	4.7	5.3	6.0	8.3	6.3	8.3	6.5
DF-1	4.0	6.0	6.3	6.3	6.7	8.3	4.0	5.7	6.3	8.7	6.7	8.0	6.4
SR 7100	3.7	5.7	6.0	6.3	6.7	7.0	5.0	6.3	7.3	8.3	5.3	7.3	6.3
ISI-AT-90162	3.3	3.3	6.0	6.7	7.3	7.0	5.0	5.7	7.0	7.7	6.0	7.7	6.1
CATO	4.0	4.0	6.0	6.0	6.3	7.3	4.7	5.3	5.7	7.3	7.0	6.3	5.8
TENDENZ	3.7	4.7	5.3	4.7	5.7	7.3	4.7	5.7	7.0	8.0	7.3	5.0	5.8
BAR WS 42102	4.0	5.3	4.7	6.0	5.7	7.0	2.7	4.7	5.3	8.0	5.0	7.7	5.5
LOPEZ	3.3	6.0	5.7	5.3	6.0	6.7	4.0	5.3	5.0	7.7	4.7	5.3	5.4
TRUELINE	5.3	6.3	5.3	4.3	4.7	6.0	4.0	5.0	4.7	7.3	5.7	6.3	5.4
18TH GREEN	3.7	3.7	5.0	6.0	6.7	7.3	5.0	5.3	5.3	7.3	3.7	5.7	5.4
G-6	3.3	5.7	7.0	4.7	4.7	6.0	2.7	5.7	4.3	8.0	5.0	7.3	5.4
G-2	3.0	5.7	5.7	4.7	5.7	6.3	2.7	5.7	4.3	7.3	4.3	7.7	5.3
BAR AS 492	2.3	6.7	3.3	4.3	5.7	4.7	1.3	6.0	3.3	6.7	1.3	3.3	4.1
LSD VALUE	1.3	2.3	1.4	1.9	1.5	1.0	1.2	1.4	0.7	1.3	1.2	2.1	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 9. SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1994 DATA

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

NAME	MO1	MO2	NH1	PA1	WA3	MEAN
PROVIDENCE	8.3	8.0	7.0	6.3	7.3	7.4
CRENSHAW	7.7	8.0	7.0	7.0	7.0	7.3
SOUTHSHORE	8.7	8.3	5.3	7.7	6.7	7.3
PRO/CUP	7.7	7.7	7.0	7.0	7.0	7.3
BAR WS 42102	7.3	7.7	7.0	5.3	8.3	7.1
PENNCROSS	7.7	8.0	7.3	7.3	5.3	7.1
CATO	7.7	8.0	6.3	4.7	8.0	6.9
PENNEAGLE	8.0	7.7	5.0	7.0	6.7	6.9
SR 7100	7.7	7.0	5.0	7.3	7.0	6.8
18TH GREEN	8.0	7.3	6.0	5.7	6.0	6.6
G-2	6.7	7.0	5.7	5.3	7.7	6.5
DF-1	8.0	7.7	4.0	6.0	5.7	6.3
ISI-AT-90162	7.0	6.7	4.3	6.7	6.7	6.3
TENDENZ	6.0	6.3	5.0	7.0	7.0	6.3
LOPEZ	7.0	7.0	6.7	5.7	4.7	6.2
TRUELINE	7.7	7.7	7.0	4.7	4.0	6.2
OM-AT-90163	7.3	6.3	4.0	7.3	5.7	6.1
G-6	7.3	7.7	3.7	5.7	6.0	6.1
BAR AS 492	6.7	5.7	8.0	4.3	5.0	5.9
EXETER	6.7	6.0	6.7	6.0	4.0	5.9
SEASIDE	6.7	6.3	4.0	5.3	2.0	4.9
LSD VALUE	1.2	0.9	0.6	1.2	1.5	0.5

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 10. SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A FAIRWAY OR TEE 1994 DATA

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

NAME	MB1	MO1	MO2	NH1	MEAN
18TH GREEN	8.3	8.3	8.0	5.0	7.4
SOUTHSHORE	7.3	8.0	8.0	6.0	7.3
CATO	7.3	7.7	8.0	6.0	7.3
CRENSHAW	7.7	8.0	7.3	6.0	7.3
PRO/CUP	7.3	8.0	7.7	6.0	7.3
PROVIDENCE	7.0	8.0	8.0	6.0	7.3
PENNEAGLE	6.7	8.0	8.0	6.0	7.2
TRUELINE	7.3	7.7	7.7	6.0	7.2
SR 7100	5.7	8.3	8.0	6.0	7.0
DF-1	6.7	8.0	8.0	4.7	6.8
PENNCROSS	7.7	7.7	8.0	4.0	6.8
BAR WS 42102	7.3	7.3	7.7	4.7	6.8
G-6	6.0	7.0	7.7	6.3	6.8
ISI-AT-90162	7.7	6.7	6.7	6.0	6.8
OM-AT-90163	8.0	7.3	6.3	5.3	6.8
LOPEZ	6.3	7.0	7.0	6.0	6.6
G-2	6.7	7.0	7.3	4.3	6.3
TENDENZ	6.7	6.0	6.3	6.3	6.3
EXETER	5.7	7.0	6.0	6.0	6.2
SEASIDE	6.7	6.0	6.3	4.7	5.9
BAR AS 492	4.7	6.7	6.3	3.7	5.3
LSD VALUE	2.0	1.1	0.8	0.8	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 11. FALL DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1994 DATA

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

NAME	MB1	MO1	MO2	PA1	WA3	MEAN
DF-1	9.0	8.0	8.0	6.3	8.7	8.0
PROVIDENCE	8.7	7.7	8.0	7.3	8.3	8.0
CATO	8.7	7.7	8.0	8.0	7.7	8.0
SR 7100	7.3	8.3	8.0	8.7	7.3	7.9
OM-AT-90163	8.7	8.0	6.7	8.7	7.7	7.9
PENNCROSS	9.0	7.7	8.0	7.0	7.7	7.9
G-2	9.0	7.7	7.3	7.3	7.7	7.8
G-6	8.7	7.7	7.7	7.0	7.7	7.7
ISI-AT-90162	8.0	7.0	6.7	8.3	8.0	7.6
PENNEAGLE	8.3	8.0	7.7	7.3	6.7	7.6
SOUTHSHORE	8.7	8.0	8.3	6.3	6.7	7.6
TENDENZ	7.7	7.7	6.3	9.0	7.3	7.6
PRO/CUP	9.0	8.0	7.7	5.3	7.3	7.5
LOPEZ	8.7	7.0	7.3	6.7	7.3	7.4
TRUELINE	8.3	8.0	7.3	6.7	6.7	7.4
BAR WS 42102	8.7	7.3	7.7	5.3	7.3	7.3
CRENSHAW	9.0	8.0	7.7	4.7	6.3	7.1
BAR AS 492	6.3	7.3	6.3	8.3	7.0	7.1
EXETER	8.0	7.3	6.0	7.3	6.7	7.1
18TH GREEN	9.0	8.3	8.0	3.7	5.7	6.9
SEASIDE	8.7	7.3	6.3	5.7	4.3	6.5
LSD VALUE	1.2	0.8	0.9	1.5	1.2	0.5

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 12. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS GROWN ON A FAIRWAY OR TEE
1994 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 1/

NAME	IN1	MO1	MO2	OH1	VA8	MEAN
PENNCROSS	86.7	83.3	85.0	61.7	99.0	83.1
SEASIDE	56.7	78.3	90.0	73.3	99.0	79.5
SOUTHSHORE	56.7	81.7	83.3	75.0	99.0	79.1
PENNEAGLE	78.3	81.7	83.3	53.3	98.7	79.1
18TH GREEN	63.3	80.0	81.7	68.3	98.3	78.3
CRENSHAW	63.3	76.7	85.0	66.7	99.0	78.1
DF-1	56.7	76.7	80.0	75.0	99.0	77.5
PRO/CUP	70.0	75.0	80.0	61.7	98.7	77.1
PROVIDENCE	56.7	76.7	86.7	61.7	99.0	76.1
CATO	73.3	71.7	68.3	68.3	99.0	76.1
OM-AT-90163	36.7	83.3	78.3	61.7	98.0	71.6
SR 7100	38.3	76.7	85.0	58.3	98.7	71.4
TRUELINE	53.3	68.3	71.7	60.0	98.7	70.4
BAR WS 42102	46.7	68.3	60.0	78.3	97.3	70.1
G-6	53.3	68.3	71.7	58.3	99.0	70.1
LOPEZ	50.0	70.0	63.3	55.0	99.0	67.5
EXETER	36.7	66.7	73.3	60.0	97.3	66.8
ISI-AT-90162	36.7	73.3	73.3	51.7	98.7	66.7
G-2	60.0	58.3	56.7	55.0	96.0	65.2
TENDENZ	40.0	71.7	60.0	43.3	98.0	62.6
BAR AS 492	28.3	55.0	53.3	53.3	98.7	57.7
LSD VALUE	30.6	19.0	15.6	25.4	1.3	9.4

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 13. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS GROWN ON A FAIRWAY OR TEE
1994 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/

NAME	MO1	MO2	OH1	MEAN
SOUTHSHORE	83.3	78.3	90.0	83.9
DF-1	81.7	78.3	85.0	81.7
SR 7100	80.0	86.7	78.3	81.7
PENNEAGLE	81.7	80.0	81.7	81.1
PROVIDENCE	73.3	85.0	81.7	80.0
BAR WS 42102	76.7	70.0	91.7	79.4
CATO	75.0	76.7	86.7	79.4
CRENSHAW	76.7	76.7	85.0	79.4
G-6	73.3	76.7	87.3	79.1
PRO/CUP	71.7	78.3	85.0	78.3
PENNCROSS	65.0	81.7	86.7	77.8
18TH GREEN	66.7	78.3	88.3	77.8
OM-AT-90163	75.0	76.7	79.0	76.9
SEASIDE	68.3	76.7	83.3	76.1
G-2	70.0	70.0	86.7	75.6
LOPEZ	68.3	73.3	79.3	73.7
TENDENZ	73.3	66.7	78.3	72.8
TRUELINE	68.3	76.7	73.3	72.8
ISI-AT-90162	65.0	73.3	73.3	70.6
BAR AS 492	61.7	71.7	76.7	70.0
EXETER	66.7	73.3	70.0	70.0
LSD VALUE	17.0	10.6	13.1	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 14. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS GROWN ON A FAIRWAY OR TEE
1994 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 1/

NAME	MO1	MO2	OH1	PA1	MEAN
SR 7100	80.0	85.0	78.3	99.0	85.6
PENNEAGLE	86.7	83.3	68.3	98.7	84.3
LOPEZ	80.0	81.7	70.0	96.0	81.9
G-6	78.3	81.7	71.7	94.7	81.6
DF-1	81.7	78.3	68.3	96.3	81.2
PROVIDENCE	85.0	83.3	60.0	96.3	81.2
BAR AS 492	75.0	83.3	63.3	99.0	80.2
PRO/CUP	78.3	81.7	68.3	91.0	79.8
TRUELINE	75.0	85.0	65.0	92.7	79.4
ISI-AT-90162	80.0	83.3	53.3	99.0	78.9
PENNCROSS	81.7	80.0	55.0	98.7	78.8
EXETER	71.7	76.7	65.0	99.0	78.1
OM-AT-90163	78.3	78.3	56.7	99.0	78.1
CRENSHAW	81.7	76.7	66.7	85.0	77.5
BAR WS 42102	78.3	80.0	60.0	91.0	77.3
CATO	80.0	81.7	46.7	99.0	76.8
G-2	80.0	80.0	53.3	92.7	76.5
TENDENZ	78.3	78.3	50.0	99.0	76.4
SOUTHSHORE	80.0	78.3	45.0	99.0	75.6
SEASIDE	70.0	71.7	60.0	99.0	75.2
18TH GREEN	73.3	75.0	70.0	61.7	70.0
LSD VALUE	7.8	8.6	27.9	9.1	7.9

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 15. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1994 DATA

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

NAME	KS2	VA8	WA3	MEAN
BAR AS 492	8.3	6.7	6.7	7.2
EXETER	8.3	6.7	6.7	7.2
SR 7100	6.7	6.7	7.0	6.8
OM-AT-90163	6.3	7.0	6.3	6.6
ISI-AT-90162	6.0	6.7	6.0	6.2
LOPEZ	6.3	6.0	5.0	5.8
PRO/CUP	6.3	6.0	5.0	5.8
PENNEAGLE	5.3	5.7	5.7	5.6
TRUELINE	6.0	5.7	5.0	5.6
PENNCROSS	5.7	6.0	4.7	5.4
TENDENZ	4.7	7.3	4.3	5.4
SEASIDE	5.3	5.7	5.0	5.3
SOUTHSHORE	5.0	5.7	5.3	5.3
PROVIDENCE	6.0	5.0	4.7	5.2
G-6	5.7	6.0	3.7	5.1
G-2	7.0	5.3	3.0	5.1
DF-1	4.3	5.7	5.0	5.0
CATO	5.0	5.3	4.0	4.8
CRENSHAW	5.0	6.7	2.7	4.8
BAR WS 42102	5.3	5.3	2.0	4.2
18TH GREEN	3.0	5.7	3.0	3.9
LSD VALUE	1.5	1.3	1.1	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 16. PERCENT WINTER KILL RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1994 DATA

PERCENT WINTER KILL RATINGS: LOCATIONS 1/

NAME	OH1	UB1	MEAN
ISI-AT-90162	76.3	25.0	50.7
EXETER	70.7	23.3	47.0
SR 7100	83.0	6.7	44.8
OM-AT-90163	65.3	23.3	44.3
DF-1	72.0	13.3	42.7
BAR AS 492	74.0	5.0	39.5
18TH GREEN	75.7	1.7	38.7
TENDENZ	72.3	3.3	37.8
CATO	71.7	0.0	35.8
PROVIDENCE	71.7	0.0	35.8
SOUTHSHORE	71.3	0.0	35.7
G-6	63.0	5.0	34.0
TRUELINE	68.0	0.0	34.0
PENNCROSS	63.3	3.3	33.3
SEASIDE	61.7	5.0	33.3
G-2	57.3	8.3	32.8
LOPEZ	62.3	0.0	31.2
BAR WS 42102	50.7	5.0	27.8
CRENSHAW	55.0	0.0	27.5
PRO/CUP	53.0	1.7	27.3
PENNEAGLE	52.7	0.0	26.3
LSD VALUE	24.6	7.0	12.8

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 17. TYPHULA BLIGHT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1994 DATA

TYPHULA BLIGHT RATINGS 1-9; 9=NO DISEASE 1/

NAME	PA1
ISI-AT-90162	9.0
OM-AT-90163	9.0
TENDENZ	9.0
18TH GREEN	8.7
BAR AS 492	8.7
BAR WS 42102	8.7
SR 7100	8.7
G-2	8.3
PENNCROSS	8.3
CATO	8.0
DF-1	8.0
EXETER	8.0
G-6	8.0
LOPEZ	8.0
PENNEAGLE	8.0
PRO/CUP	8.0
PROVIDENCE	8.0
SOUTHSHORE	8.0
TRUELINE	8.0
CRENSHAW	7.3
SEASIDE	6.0
LSD VALUE	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 18. FUSARIUM PATCH RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1994 DATA

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

NAME	WA3
ISI-AT-90162	8.7
OM-AT-90163	8.3
PENNCROSS	8.3
SR 7100	8.3
EXETER	8.0
TENDENZ	8.0
CATO	7.7
LOPEZ	7.7
BAR AS 492	7.3
CRENSHAW	7.3
PENNEAGLE	7.3
PRO/CUP	7.3
TRUELINE	7.3
PROVIDENCE	7.0
SOUTHSHORE	7.0
BAR WS 42102	6.7
DF-1	6.3
G-6	6.0
18TH GREEN	5.3
G-2	5.3
SEASIDE	4.7
LSD VALUE	2.9

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 19. LEAF SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1994 DATA

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

NAME	NH1
LOPEZ	8.0
PENNCROSS	8.0
PROVIDENCE	8.0
EXETER	7.7
TRUELINE	7.3
18TH GREEN	7.0
BAR AS 492	7.0
BAR WS 42102	7.0
CATO	7.0
CRENSHAW	7.0
DF-1	7.0
G-6	7.0
ISI-AT-90162	7.0
PENNEAGLE	7.0
PRO/CUP	7.0
SR 7100	7.0
OM-AT-90163	6.7
TENDENZ	6.7
G-2	6.0
SOUTHSHORE	5.0
SEASIDE	4.0
LSD VALUE	0.5

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 20. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1994 DATA

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

NAME	IN1	MO1	MO2	PA1	MEAN
BAR AS 492	7.3	5.7	3.3	8.7	6.3
OM-AT-90163	7.3	7.3	3.0	7.0	6.2
ISI-AT-90162	6.7	6.7	3.0	7.7	6.0
SR 7100	7.0	6.7	2.3	7.7	5.9
TENDENZ	6.7	6.7	2.0	8.3	5.9
EXETER	7.0	6.3	3.3	6.3	5.8
PROVIDENCE	6.0	7.0	2.7	6.0	5.4
G-6	7.0	4.3	3.7	5.7	5.2
CATO	6.7	4.3	2.3	6.7	5.0
SEASIDE	7.0	5.7	2.3	4.7	4.9
DF-1	6.3	5.7	2.7	5.0	4.9
G-2	6.7	3.3	3.0	6.0	4.8
PENNEAGLE	7.0	3.3	2.3	6.3	4.8
SOUTHSHORE	7.0	5.0	3.0	4.0	4.8
PENNCROSS	5.7	5.0	3.0	4.0	4.4
LOPEZ	6.3	4.0	3.0	4.3	4.4
TRUELINE	6.3	4.3	2.7	3.7	4.3
PRO/CUP	7.0	4.3	3.7	1.7	4.2
18TH GREEN	4.3	6.3	3.7	1.3	3.9
BAR WS 42102	6.3	4.0	1.7	3.7	3.9
CRENSHAW	5.7	2.3	1.0	1.3	2.6
LSD VALUE	1.7	3.5	3.6	2.0	1.4

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 21. BROWN PATCH RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1994 DATA

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

NAME	MA1	MO1	MO2	NJ1	PA1	MEAN
PROVIDENCE	9.0	7.3	8.3	8.7	9.0	8.5
DF-1	9.0	3.3	8.0	8.7	9.0	7.6
TRUELINE	8.7	3.3	8.0	8.7	9.0	7.5
CATO	9.0	3.3	7.7	8.3	9.0	7.5
G-2	9.0	2.7	8.3	8.3	9.0	7.5
G-6	9.0	2.3	7.7	9.0	9.0	7.4
18TH GREEN	8.3	2.3	8.3	8.7	9.0	7.3
LOPEZ	8.3	4.0	6.7	8.7	9.0	7.3
SOUTHSHORE	9.0	2.0	8.0	8.3	9.0	7.3
PRO/CUP	9.0	2.7	7.7	8.0	9.0	7.3
CRENSHAW	9.0	2.0	6.7	9.0	9.0	7.1
PENNEAGLE	9.0	2.7	6.3	8.7	9.0	7.1
BAR WS 42102	8.3	2.3	7.7	7.3	9.0	6.9
SR 7100	5.7	7.3	5.0	6.3	7.3	6.3
PENNCROSS	8.3	3.0	5.3	5.7	9.0	6.3
EXETER	8.3	3.7	4.7	4.7	9.0	6.1
SEASIDE	8.0	2.7	5.7	5.0	9.0	6.1
ISI-AT-90162	7.3	3.0	5.3	5.0	7.0	5.5
BAR AS 492	7.0	4.7	3.7	3.7	6.3	5.1
TENDENZ	7.3	2.0	3.0	4.0	5.3	4.3
OM-AT-90163	6.0	2.0	2.7	4.0	6.3	4.2
LSD VALUE	1.8	1.6	2.3	1.3	0.8	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 22. SEED HEAD RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1994 DATA

SEED HEAD RATINGS 1-9; 9=NONE 1/

NAME	PA1
EXETER	9.0
SEASIDE	9.0
BAR WS 42102	8.3
DF-1	8.3
CRENSHAW	8.0
OM-AT-90163	8.0
PENNCROSS	8.0
G-2	7.7
G-6	7.7
PENNEAGLE	7.7
PRO/CUP	7.7
SR 7100	7.7
TENDENZ	7.7
TRUELINE	7.7
PROVIDENCE	7.3
ISI-AT-90162	7.0
LOPEZ	7.0
SOUTHSHORE	7.0
CATO	4.7
BAR AS 492	4.0
18TH GREEN	3.3
LSD VALUE	1.6

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 23. PERCENT POA ANNUA (MAY) RATINGS OF BENTGRASS CULTIVARS GROWN ON A FAIRWAY OR TEE
1994 DATA

NAME	PERCENT POA ANNUA 1/ IL1
BAR AS 492	65.0
G-2	45.0
SR 7100	45.0
TENDENZ	45.0
LOPEZ	35.0
BAR WS 42102	30.0
G-6	30.0
18TH GREEN	28.3
ISI-AT-90162	28.3
PRO/CUP	26.7
TRUELINE	26.7
CATO	20.0
DF-1	20.0
EXETER	20.0
OM-AT-90163	20.0
PENNEAGLE	16.7
SOUTHSHORE	16.7
PROVIDENCE	15.0
CRENSHAW	13.3
SEASIDE	11.7
PENNCROSS	10.0
LSD VALUE	17.0

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 24. SCALPING RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
1994 DATA

SCALPING RATINGS 1-9; 9=NONE 1/

NAME	NJ1
CATO	7.7
CRENSHAW	7.7
18TH GREEN	7.3
TRUELINE	7.3
LOPEZ	7.0
BAR WS 42102	6.7
G-6	6.7
G-2	6.3
SOUTHSHORE	6.3
ISI-AT-90162	6.0
PROVIDENCE	6.0
SR 7100	6.0
PENNEAGLE	5.7
PRO/CUP	5.7
OM-AT-90163	5.3
TENDENZ	5.3
PENNCROSS	5.0
BAR AS 492	4.7
DF-1	4.0
EXETER	2.3
SEASIDE	2.0
LSD VALUE	1.4

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 25. VERTICAL GROWTH RATINGS OF BENTGRASS CULTIVARS GROWN ON A FAIRWAY OR TEE 1994 DATA

VERTICAL GROWTH RATINGS 1-9; 9=MOST GROWTH 1/

NAME	WA3
SEASIDE	7.7
EXETER	6.3
OM-AT-90163	6.0
CRENSHAW	5.7
PENNCROSS	5.7
PROVIDENCE	5.3
TENDENZ	5.3
PENNEAGLE	5.0
PRO/CUP	5.0
SOUTHSHORE	5.0
SR 7100	5.0
DF-1	4.3
LOPEZ	4.3
CATO	4.0
TRUELINE	4.0
G-6	3.7
BAR WS 42102	3.3
ISI-AT-90162	3.3
18TH GREEN	3.0
BAR AS 492	2.7
G-2	2.3
LSD VALUE	1.1

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).