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

CONTENTS

1993 National Bentgrass (Green) Test - 1994 data

CONTENTS (Continued)

LOCATIONS SUBMITTING DATA FOR 1994

State	Location	Code
Arizona	Tucson	AZ1
Colorado	Fort Collins	CO1
Georgia	Griffin (High pH)	GA1
Georgia	Griffin (Low pH)	GA2
Illinois	Urbana	IL1
Illinois	Carbondale	IL2
Iowa	Ames	IA1
Kansas	Manhattan	KS1
Kentucky	Lexington	KY1
Kentucky	Lexington (Griffin Gate Golf Course)	KY2
Massachusetts	Amherst	MA1
Michigan	East Lansing	MI1
Minnesota	St. Paul	MN1
Missouri	Columbia (Traffic)	MO1
Missouri	Columbia (No Traffic)	MO2
New Hampshire	Durham	NH1
New Jersey	North Brunswick	NJ1
Pennsylvania	University Park	PA1
Rhode Island	Kingston	RI1
South Carolina	Florence	SC1
Texas	Dallas	TX1
Virginia	Blacksburg	VA1
Washington	Pullman	WA1
Washington	Puyallup (Native Soil)	WA3
Washington	Puyallup (Sand)	WA4
Wisconsin	Madison (Sand)	WI1
Wisconsin	Madison (Native Soil)	WI2

1993 NATIONAL BENTGRASS TEST
(Greens)

Entries and Sponsors

Entry No.	Name	Species	Sponsor
1	18th Green	creeping	Johnson Seeds, Ltd.
2	Regent	creeping	Barenbrug USA
3	BAR As 492	creeping	Barenbrug Holland
4	BAR Ws 42102	creeping	Barenbrug Holland
5	Trueline	creeping	Turf Merchants
6	Seaside	creeping	Standard entry
7	Cato	creeping	Pickseed West, Inc.
8	PRO/CUP	creeping	Forbes Seed & Grain, Inc.
9	Crenshaw	creeping	Loft's Seed, Inc.
10	Southshore	creeping	Loft's Seed, Inc.
11	Providence	creeping	Seed Research of OR, Inc.
12	SR 1020	creeping	Seed Research of OR, Inc.
13	Syn 92-1	creeping	Texas A&M University
14	Syn 92-2	creeping	Texas A&M University
15	Syn 92-5	creeping	Texas A&M University
16	Penncross	creeping	Standard entry
17	A-1	creeping	Tee-2-Green Corp.
18	A-4	creeping	Tee-2-Green Corp.
19	G-2	creeping	Tee-2-Green Corp.
20	G-6	creeping	Tee-2-Green Corp.
21	Pennlinks	creeping	Tee-2-Green Corp.
22	DG-P	creeping	ProSeeds Marketing
23	MSUEB	creeping	Mississippi State Univ.
24	L-93	creeping	Loft's Seed, Inc.
25	Lopez	creeping	Finelawn Research, Inc.
26	Tendenz	colonial	Finelawn Research, Inc.
27	ISI-Ap-89150	creeping	International Seeds, Inc.
28	Syn-1-88	creeping	Texas A&M University

TABLE A. 1994 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN THE 1993 NATIONAL BENTGRASS (GREEN) 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
AZ1	SAND	7.6-8.5	0-60	0-150	3.1-4.0	FULL SUN	0.1575	TO PREVENT STRESS
CO1	SAND	7.1-7.5	0-60	0-150	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
GA1	SANDY CLAY LOAM	5.6-6.0	61-150	151-240	2.1-3.0	FULL SUN	0.6	TO PREVENT STRESS
GA2	SANDY CLAY LOAM	3.6-4.5	61-150	151-240	2.1-3.0	FULL SUN	1.0	NO IRRIGATION
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
IL2	SILTY CLAY LOAM	6.1-6.5	0-60	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
KS1	SAND	7.6-8.5	151-270	0-150	3.1-4.0	FULL SUN	0.1562	TO PREVENT STRESS
KY1	SAND	-	-	-	4.1-5.0	FULL SUN	0.1875	TO PREVENT STRESS
KY2	SAND	-	-	-	4.1-5.0	FULL SUN	0.1875	TO PREVENT STRESS
MA1	SANDY LOAM	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MI1	LOAMY SAND	6.6-7.0	-	-	8.1+	FULL SUN	0.1875	TO PREVENT STRESS
MN1	SILTY CLAY LOAM	7.5	151-270	241-375	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MO1	SAND	7.1-7.5	151-270	241-375	5.1-6.0	FULL SUN	0.1562	TO PREVENT STRESS
MO2	SILT LOAM AND SILT	6.1-6.5	61-150	0-150	1.1-2.0	FULL SUN	0.1562	TO PREVENT STRESS
NH1	SANDY LOAM	5.6-6.0	61-150	151-240	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NJ1	SANDY LOAM	6.1-6.5	271-450	241-375	4.1-5.0	FULL SUN	0.25	TO PREVENT STRESS
OK1	SAND	7.1-7.5	0-60	151-240	4.1-5.0	FULL SUN	0.1875	TO PREVENT STRESS
PA1	LOAMY SAND	6.1-6.5	61-150	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
RI1	SILT LOAM AND SILT	6.6-7.0	-	0-150	4.1-5.0	FULL SUN	0.1875	TO PREVENT STRESS
SC1	SANDY LOAM	6.1-6.5	-	-	5.1-6.0	FULL SUN	0.25	TO PREVENT STRESS
TX1	LOAMY SAND	6.1-6.5	0-60	0-150	7.1-8.0	FULL SUN	0.15-0.25	TO PREVENT STRESS
VA1	SAND	5.6-6.0	0-60	0-150	5.1-6.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
WA1	SILT LOAM AND SILT	5.6-6.0	271-450	501+	3.1-4.0	FULL SUN	0.1875	TO PREVENT STRESS
WA3	SANDY LOAM	5.6-6.0	61-150	241-375	5.1-6.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
WA4	SAND	6.1-6.5	0-60	151-240	7.1-8.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
WI1	SAND	7.6-8.5	0-60	241-375	2.1-3.0	FULL SUN	0.1875	TO PREVENT STRESS
WI2	SILT LOAM AND SILT	6.6-7.0	61-150	376-500	2.1-3.0	FULL SUN	0.1875	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
GA1	NO FUNGICIDES APPLIED	-	-
GA2	NO FUNGICIDES APPLIED	-	-
KS1	IPRODIONE	4	5/10, 6/10, 8/9
KY1	-	-	TWO APPLICATIONS (CURATIVE)
KY2	-	-	PREVENTATIVE
MI1	NO FUNGICIDES APPLIED	-	-
MO1	CHLOROTHALONIL	6	5/18, 6/1, 6/15, 6/29, 7/13, 8/8, 9/7
	FENARIMOL	1.5	5/18, 6/1, 6/15, 6/29, 7/13, 8/8, 9/7
MO2	CHLOROTHALONIL	6	5/18, 6/1, 6/15, 6/29, 7/13, 8/8, 9/7
	FENARIMOL	1.5	5/18, 6/1, 6/15, 6/29, 7/13, 8/8, 9/7
NJ1	CHLOROTHALONIL	6	6/4 - 8/26, FOUR APPLICATIONS
OK1	CHLOROTHALONIL	8	10/21, 11/3
	PROPOCONAZOLE	1	11/3
RI1	TRIADIMEFON	2	APPLIED ONCE
	CHLOROTHALONIL	4	APPLIED ONCE
	CYPROCONAZOLE	0.2	TWO APPLICATIONS
SC1	METALAXYL	2	JUNE, JULY, AUGUST
	CHLOROTHALONIL	6	JUNE - SEPT. (EVERY 14 DAYS)
TX1	FENARIMOL	8	3/24
	CHLOROTHALONIL	4	5/13, 6/23
	CHLOROTHALONIL	3.5	8/31
	CHLOROTHALONIL	5	9/8
	MANEB + ZINC	8	8/11
	MANCOZEB	8	8/23
	ECHO 500	8	10/13, 11/16
WA1	NO FUNGICIDES APPLIED	-	-
WI1	NO FUNGICIDES APPLIED	-	-
WI2	NO FUNGICIDES APPLIED	-	-

TABLE B. LOCATIONS AND DATA COLLECTED IN 1994

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	GENETIC COLOR RATING	SPRING GREENUP RATING
AZ1					X	X	X	X	X		X	X	X	
CO1														
GA1			X	X	X	X	X	X	X	X	X	X	X	
GA2			X	X	X	X	X	X	X	X	X	X	X	
IA1							X	X	X	X				
IL1					X	X	X	X	X	X	X		X	X
IL2						X	X	X	X	X				
KS1					X	X	X	X	X				X	
KY1			X	X	X	X	X	X	X	X			X	
KY2			X	X	X	X	X	X	X	X				
MA1						X	X	X	X	X			X	
MI1									X	X				
MN1							X	X	X	X			X	
MO1				X	X	X	X	X	X	X	X			X
MO2					X	X	X	X	X	X	X		X	
NH1						X		X		X			X	
NJ1						X	X	X	X	X	X	X		
OK1						X	X	X	X	X	X		X	
PA1					X	X	X	X	X	X			X	
RI1						X	X	X	X	X	X		X	
SC1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
TX1	X	X	X	X		X	X	X	X	X	X	X		
VA1					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		
WA4														
WI1							X	X	X	X			X	
WI2							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	THATCH	FUSARIUM PATCH	LEAF SPOT	DOLLAR SPOT	BROWN PATCH	PYTHIUM ROOT ROT	ESTABLISHMENT RATINGS	PERCENT POA MAY	SCALPING RATING
AZ1	X		X		X	X	X			X	X								
CO1			X																
GA1						X			X										
GA2						X			X										
IA1																			
IL1	X		X															X	
IL2							X	X	X										
KS1			X																
KY1	X																		
KY2																			
MA1							X												
MI1																			
MN1	X		X		X			X	X										
MO1		X	X	X	X	X	X	X	X					X					
MO2	X			X	X	X	X	X	X										
NH1				X	X	X							X						
NJ1			X												X				X
OK1	X					X				X				X	X		X		
PA1	X		X	X	X				X					X	X	X	X		
RI1	X		X																
SC1	X		X											X	X				
TX1			X											X					
VA1	X						X							X					
WA1	X		X																
WA3			X	X	X					X		X							
WA4			X																
WI1			X																
WI2			X																

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN AT TWENTY-SIX LOCATIONS IN THE U.S. 1994 DATA

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

NAME	AZ1	GA1	GA2	IA1	IL1	IL2	KS1	KY1	KY2	MA1	MI1	MN1	MO1	MO2	NH1	NJ1	OK1	PA1	RI1	SC1	TX1	VA1	WA1	WA3	WI1	WI2	MEAN
* A-4	7.2	4.0	2.1	6.7	5.5	7.1	6.9	7.7	7.6	6.1	6.0	7.8	7.3	7.3	6.7	6.0	6.6	6.6	6.1	5.2	7.1	6.6	6.7	6.3	7.4	7.8	6.5
* L-93	6.6	4.3	1.9	6.6	5.3	6.3	6.9	8.0	7.4	7.5	6.3	7.3	6.9	6.9	5.9	7.3	6.4	7.4	6.2	5.1	6.4	6.1	6.2	5.7	7.2	7.3	6.4
* PROVIDENCE	6.2	4.2	2.4	6.5	5.9	6.5	6.9	7.4	7.5	7.3	5.8	6.9	7.6	7.5	7.1	6.2	5.9	6.8	6.0	4.3	7.1	6.0	6.4	5.8	7.3	7.2	6.3
* A-1	6.1	3.9	2.2	6.1	5.3	5.7	6.0	8.1	7.4	7.3	5.2	7.4	6.6	7.2	5.2	7.2	6.3	7.3	5.8	5.6	6.7	6.4	6.5	6.2	7.6	7.4	6.3
* CRENSHAW	6.4	3.9	2.3	5.8	5.5	6.7	7.5	7.2	7.4	7.0	5.8	6.9	6.9	7.4	6.2	6.5	6.1	6.1	5.9	5.0	7.1	6.2	6.7	4.9	6.9	7.1	6.2
* CATO	7.3	4.1	2.0	6.6	5.1	5.3	6.7	8.0	6.8	7.4	5.8	7.2	7.0	7.0	6.7	5.7	6.0	6.8	6.5	5.0	6.0	6.1	6.0	6.0	7.1	7.3	6.2
* G-6	6.2	4.1	2.2	6.3	4.8	5.5	5.3	7.7	6.8	7.5	5.5	7.5	6.3	7.0	6.4	6.6	6.7	6.5	5.8	5.1	6.3	6.2	6.1	6.0	7.3	7.3	6.1
* G-2	6.2	3.9	2.1	5.4	4.9	5.7	5.4	7.8	7.1	6.5	5.8	7.8	6.9	7.2	5.9	6.8	6.1	6.7	6.1	5.1	5.9	6.1	6.5	5.9	7.2	7.5	6.1
* SOUTHSHORE	6.0	4.5	1.9	6.2	4.9	6.5	6.6	7.1	6.5	6.1	5.5	7.5	7.1	7.2	6.4	5.9	5.7	6.7	6.2	5.1	6.8	5.8	6.3	5.5	7.2	6.6	6.1
SYN 92-1	6.1	3.9	2.2	5.8	5.1	6.5	7.0	7.1	7.3	6.6	5.2	7.4	7.1	7.3	5.3	5.8	5.9	6.1	5.9	4.4	6.5	6.1	6.1	6.2	7.0	6.8	6.0
SYN 92-5	5.7	3.9	1.9	5.8	5.1	7.1	5.6	7.1	6.6	6.4	5.5	6.5	6.8	7.1	5.1	6.2	5.9	6.3	5.4	4.4	6.9	6.5	6.5	6.4	7.1	7.2	6.0
SYN 92-2	5.7	4.4	2.3	5.3	4.5	7.3	6.5	6.7	7.2	6.0	5.3	7.3	6.9	7.1	5.8	6.0	5.5	5.7	5.7	4.4	6.5	6.3	5.9	5.7	6.8	6.8	5.9
* SR 1020	5.9	4.3	2.4	5.6	4.8	5.7	6.1	7.1	6.8	5.9	5.5	7.1	6.8	7.0	6.4	5.1	5.8	5.8	6.1	4.6	7.2	5.6	6.3	5.5	7.0	6.9	5.9
* PENNLINKS	5.0	4.3	2.5	5.5	5.0	6.4	6.5	7.7	6.5	5.8	5.2	6.8	7.3	7.4	6.0	5.4	5.3	6.2	5.3	4.7	6.1	5.5	6.3	5.2	6.8	7.0	5.8
* REGENT	5.4	4.3	1.8	5.7	4.7	6.0	6.5	7.1	6.7	6.2	5.2	7.0	6.8	7.3	6.2	5.8	5.4	5.6	5.4	4.3	7.2	5.4	6.1	5.2	7.1	6.4	5.8
BAR WS 42102	5.9	3.9	1.7	5.3	4.6	5.5	6.5	7.4	7.2	5.7	5.3	7.4	6.8	7.0	5.9	4.8	5.5	6.8	5.6	3.9	6.0	5.9	6.4	5.5	7.1	7.3	5.8
MSUEB	4.8	4.1	2.2	5.4	4.7	6.7	6.0	7.2	7.2	5.6	5.2	6.6	7.5	7.2	5.3	5.8	5.3	6.3	5.2	5.0	5.7	5.3	6.1	4.7	6.9	6.7	5.7
ISI-AP-89150	5.0	3.9	1.7	5.5	4.8	5.0	5.9	7.3	6.1	6.6	5.2	7.2	7.2	7.2	5.6	5.3	5.3	6.3	5.2	4.0	6.5	5.5	6.5	5.7	7.1	6.5	5.7
* 18TH GREEN	5.4	3.7	1.7	5.2	4.1	4.7	5.5	6.8	7.1	6.3	5.3	7.5	7.1	7.3	7.2	5.2	5.7	5.9	4.9	4.0	6.1	5.9	6.0	4.9	6.5	7.0	5.7
* LOPEZ	4.8	3.9	3.2	5.5	4.3	6.3	5.9	7.7	6.0	6.1	5.2	6.8	7.2	7.1	5.6	5.8	5.1	5.6	5.2	3.4	6.4	5.4	6.1	4.8	6.8	6.7	5.6
* PRO/CUP	5.0	4.1	1.7	4.8	4.5	5.1	6.6	7.3	7.2	5.7	4.8	6.7	6.6	7.1	6.0	5.8	5.3	5.5	5.6	3.6	6.5	5.5	6.1	5.3	6.8	6.6	5.6
DG-P	5.0	3.9	1.8	4.7	4.2	5.7	5.7	7.5	6.0	6.1	5.2	7.0	6.9	7.1	5.8	5.3	5.3	6.2	4.9	3.8	6.5	5.3	5.6	5.2	7.0	6.6	5.6
* PENNCROSS	4.9	4.3	2.7	5.3	4.7	6.1	5.9	7.0	7.3	5.2	5.2	6.8	7.0	7.1	6.2	4.7	4.9	5.3	4.8	3.5	7.0	5.2	6.2	4.8	6.2	6.1	5.5
* TRUELINE	4.8	3.8	2.2	5.2	4.3	4.0	6.4	7.3	6.9	5.5	4.3	7.0	7.4	7.1	6.3	5.9	5.1	5.4	5.6	3.4	6.1	5.4	6.0	4.8	7.1	6.6	5.5
* SYN-1-88	4.8	4.6	2.0	4.3	4.8	5.1	5.9	7.1	6.7	4.9	4.7	6.8	6.7	7.1	5.0	5.3	5.3	4.5	4.8	3.8	6.5	5.3	6.0	4.5	6.6	6.3	5.4
* TENDENZ	2.5	3.9	4.4	3.4	3.3	5.3	4.3	5.8	5.1	5.0	4.2	6.5	6.3	6.8	5.9	4.2	3.7	5.1	3.8	3.1	6.1	5.7	5.1	4.4	5.9	5.8	4.8
BAR AS 492	2.4	4.8	5.2	3.6	3.1	4.1	5.6	4.6	4.6	3.8	3.5	6.3	6.0	7.0	2.7	3.6	3.6	4.5	5.0	2.5	5.2	5.1	4.5	4.2	6.8	6.5	4.6
* SEASIDE	3.7	4.3	3.3	3.5	3.9	3.9	4.9	6.3	5.8	3.8	4.0	6.4	6.0	7.0	3.6	3.0	4.0	3.3	4.8	2.8	6.3	3.8	5.1	3.1	5.6	5.6	4.5
LSD VALUE	0.7	0.7	0.7	0.9	0.6	1.8	1.4	0.5	0.6	0.9	0.8	0.8	0.7	0.6	0.4	0.6	0.4	0.7	0.9	0.8	1.2	0.5	0.6	0.4	0.5	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 GREEN AT TWENTY-SIX LOCATIONS IN THE U.S.
1994 DATA

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

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
A-4	5.2	6.2	5.6	5.7	6.2	6.6	6.6	6.5	6.5	6.4	5.9	4.9	6.5
L-93	3.8	5.2	5.3	5.1	5.8	6.1	6.4	6.6	6.7	6.6	5.8	4.5	6.4
PROVIDENCE	4.8	5.8	5.5	5.6	6.1	6.4	6.3	6.4	6.4	6.3	5.8	4.4	6.3
A-1	5.0	5.4	5.4	5.3	5.9	6.1	6.4	6.4	6.6	6.5	5.9	4.8	6.3
CRENSHAW	5.7	5.4	5.6	5.3	6.1	6.1	6.4	6.5	6.2	6.1	5.5	3.9	6.2
CATO	4.8	5.0	5.3	5.3	6.1	6.3	6.4	6.3	6.2	6.2	5.7	4.4	6.2
G-6	4.3	5.2	4.7	4.9	5.6	6.0	6.2	6.3	6.3	6.4	5.8	4.4	6.1
G-2	4.2	4.7	4.8	4.9	5.6	5.9	6.0	6.2	6.4	6.4	5.8	5.0	6.1
SOUTHSHORE	5.0	5.9	5.4	5.4	5.8	6.1	6.1	6.2	6.3	5.9	5.5	4.4	6.1
SYN 92-1	4.5	5.4	5.3	5.3	6.2	6.3	6.3	6.3	6.1	5.9	5.3	3.8	6.0
SYN 92-5	4.3	6.1	5.2	5.5	5.9	6.0	6.1	5.9	6.1	6.0	5.3	4.2	6.0
SYN 92-2	4.2	5.7	5.6	5.2	6.0	6.0	6.0	6.1	6.0	5.8	5.1	3.9	5.9
SR 1020	5.2	5.1	5.3	5.2	5.8	5.9	6.0	6.0	5.9	5.9	5.6	4.4	5.9
PENNLINKS	4.0	4.8	5.3	5.4	5.7	5.8	5.8	5.9	6.0	5.9	5.3	4.1	5.8
REGENT	5.5	5.6	5.6	4.8	5.5	5.7	5.8	5.9	6.0	5.8	5.3	4.5	5.8
BAR WS 42102	3.8	4.6	5.2	5.1	5.7	5.8	6.0	5.8	6.0	5.9	4.6	3.5	5.8
MSUEB	4.3	4.6	5.5	5.3	5.6	5.6	5.7	5.8	5.9	5.8	5.2	4.1	5.7
ISI-AP-89150	4.3	5.2	4.8	5.0	5.7	5.6	5.6	5.8	5.9	5.8	5.3	3.8	5.7
18TH GREEN	4.2	3.8	4.8	4.9	5.6	6.0	5.9	6.0	5.6	5.5	4.7	3.1	5.7
LOPEZ	3.5	4.4	4.6	4.9	5.1	5.4	5.8	5.9	5.9	5.9	5.1	4.2	5.6
PRO/CUP	4.5	5.0	5.3	4.9	5.6	5.6	5.5	5.8	5.7	5.7	4.8	3.8	5.6
DG-P	4.0	4.8	4.4	4.4	5.1	5.4	5.6	5.9	5.8	5.8	5.1	3.9	5.6
PENNCROSS	5.0	5.1	5.5	5.4	5.5	5.7	5.6	5.5	5.5	5.6	4.8	3.8	5.5
TRUELINE	3.5	4.8	5.0	4.5	5.2	5.4	5.6	5.8	5.7	5.7	5.0	3.8	5.5
SYN-1-88	3.8	4.7	5.6	4.7	5.2	5.5	5.2	5.4	5.6	5.3	5.1	4.2	5.4
TENDENZ	3.0	4.9	5.1	5.0	4.9	5.2	4.7	4.7	4.9	4.9	4.2	3.4	4.8
BAR AS 492	2.8	3.9	4.0	4.1	4.5	4.3	4.5	4.5	5.0	4.9	4.4	4.1	4.6
SEASIDE	4.5	4.8	5.8	5.0	4.9	4.5	4.4	4.4	4.6	4.3	4.2	3.2	4.5
LSD VALUE	2.1	1.5	1.1	0.8	0.7	0.5	0.5	0.5	0.5	0.6	0.9	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 GREEN AT TWENTY-SIX LOCATIONS IN THE U.S. 1/
1994 DATA

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

NAME	AZ1	GA1	GA2	IA1	IL1	IL2	KS1	KY1	KY2	MA1	MI1	MN1	MO1	MO2	NH1	NJ1	OK1	PA1	RI1	SC1	TX1	VA1	WA1	WA3	WI1	WI2	MEAN
A-4	2.0	16.0	16.0	1.0	3.0	2.5	3.5	7.0	1.0	15.0	2.0	1.0	5.0	5.0	3.5	8.5	2.0	8.0	4.0	2.0	4.0	1.0	1.5	2.0	2.0	1.0	1
L-93	3.0	9.5	21.5	2.5	5.0	10.5	3.5	2.5	5.0	2.0	1.0	10.0	16.0	27.0	15.5	1.0	3.0	1.0	2.5	4.0	16.5	8.0	12.5	9.0	6.0	5.5	2
PROVIDENCE	6.5	11.0	8.0	4.0	1.0	6.5	5.0	10.5	2.0	4.5	4.5	17.5	1.0	1.0	2.0	6.0	8.5	4.0	7.0	15.5	5.0	11.0	7.5	8.0	3.5	8.5	3
A-1	9.0	24.0	14.5	7.0	4.0	14.0	15.5	1.0	3.5	4.5	18.0	7.0	23.5	11.5	24.0	2.0	4.0	2.0	11.0	1.0	9.0	3.0	3.0	3.0	1.0	3.0	4
CRENSHAW	4.0	19.0	9.0	8.0	2.0	4.0	1.0	16.0	3.5	6.0	4.5	17.5	13.5	2.0	10.0	5.0	5.0	15.5	8.5	7.0	3.0	5.0	1.5	19.5	17.5	10.0	5
CATO	1.0	12.0	19.0	2.5	7.5	21.0	6.0	2.5	15.5	3.0	4.5	11.5	11.5	21.5	3.5	17.0	7.0	4.0	1.0	9.0	25.0	10.0	21.5	6.0	10.5	5.5	6
G-6	5.0	15.0	13.0	5.0	12.5	18.0	26.0	7.0	17.0	1.0	8.5	4.0	26.0	23.5	5.0	4.0	1.0	9.0	10.0	5.0	18.0	6.0	18.0	5.0	3.5	5.5	7
G-2	6.5	17.5	17.0	16.5	10.5	17.0	25.0	4.0	12.5	9.0	4.5	2.0	13.5	8.5	15.5	3.0	6.0	6.0	5.5	3.0	26.0	8.0	5.0	7.0	6.0	2.0	8
SOUTHSHORE	10.0	3.0	21.5	6.0	10.5	8.0	7.0	20.0	21.5	13.0	8.5	4.0	9.5	8.5	6.5	10.5	12.5	7.0	2.5	6.0	8.0	14.0	9.5	13.0	6.0	19.5	9
SYN 92-1	8.0	17.5	12.0	9.5	7.5	6.5	2.0	17.0	7.0	7.0	18.0	7.0	9.5	5.0	22.5	13.5	10.0	15.5	8.5	12.5	14.5	8.0	14.0	4.0	15.0	14.0	10
SYN 92-5	13.5	20.0	20.0	9.5	6.0	2.5	22.5	20.0	20.0	10.0	8.5	25.5	19.5	17.5	25.0	7.0	8.5	10.5	16.5	14.0	7.0	2.0	5.0	1.0	10.5	8.5	11
SYN 92-2	13.5	4.0	10.0	19.0	20.0	1.0	9.5	25.0	9.0	17.0	12.0	9.0	16.0	17.5	18.5	8.5	14.5	19.0	12.0	12.5	14.5	4.0	24.0	11.0	20.5	15.0	12
SR 1020	11.0	8.0	7.0	12.0	12.5	15.5	14.0	20.0	15.5	18.0	8.5	13.0	19.5	23.5	6.5	23.0	11.0	18.0	5.5	11.0	1.0	16.0	11.0	14.0	15.0	13.0	13
PENNLINKS	17.5	9.5	6.0	14.0	9.0	9.0	11.5	5.0	21.5	19.0	18.0	22.0	4.0	3.0	12.5	18.0	19.0	14.0	18.0	10.0	20.0	18.0	9.5	17.5	20.5	11.5	14
REGENT	16.0	6.5	23.5	11.0	17.5	13.0	9.5	20.0	18.5	12.0	18.0	15.0	18.0	5.0	10.0	12.0	16.0	21.0	16.5	15.5	2.0	21.0	16.0	16.0	10.5	24.0	15
BAR WS 42102	12.0	24.0	25.0	19.0	19.0	19.0	11.5	10.5	9.0	20.5	12.0	7.0	21.0	25.5	15.5	24.0	14.5	4.0	15.0	19.0	24.0	12.5	7.5	12.0	10.5	5.5	16
MSUEB	22.0	14.0	14.5	16.5	17.5	5.0	15.5	15.0	11.0	22.0	18.0	24.0	2.0	10.0	22.5	13.5	19.0	12.0	20.5	8.0	27.0	24.0	15.0	24.0	17.5	16.5	17
ISI-AP-89150	19.5	24.0	28.0	14.0	14.5	24.0	17.5	12.0	23.0	8.0	18.0	11.5	6.5	11.5	20.5	19.5	19.0	10.5	19.0	17.5	10.0	18.0	5.0	10.0	10.5	22.5	18
18TH GREEN	15.0	28.0	27.0	21.5	25.0	25.0	24.0	24.0	12.5	11.0	12.0	4.0	8.0	7.0	1.0	22.0	12.5	17.0	24.0	17.5	21.5	12.5	21.5	19.5	25.0	11.5	19
LOPEZ	24.0	24.0	4.0	14.0	23.0	10.5	20.0	7.0	25.0	15.0	18.0	20.0	6.5	17.5	20.5	15.5	23.0	20.0	20.5	24.0	16.5	21.0	18.0	23.0	20.5	16.5	20
PRO/CUP	19.5	13.0	26.0	23.0	21.0	22.5	8.0	14.0	9.0	20.5	23.0	23.0	23.5	13.0	12.5	15.5	22.0	22.0	14.0	22.0	12.0	18.0	18.0	15.0	20.5	19.5	21
DG-P	17.5	24.0	23.5	24.0	24.0	15.5	21.0	9.0	24.0	15.0	18.0	15.0	16.0	17.5	18.5	19.5	19.0	13.0	23.0	21.0	12.0	24.0	25.0	17.5	15.0	19.5	22
PENNCROSS	21.0	6.5	5.0	19.0	16.0	12.0	19.0	23.0	6.0	24.0	18.0	20.0	11.5	17.5	10.0	25.0	25.0	24.0	26.5	23.0	6.0	26.0	12.5	22.0	26.0	26.0	23
TRUELINE	24.0	27.0	11.0	21.5	22.0	27.0	13.0	13.0	14.0	23.0	25.0	15.0	3.0	17.5	8.0	10.5	24.0	23.0	13.0	25.0	21.5	21.0	21.5	21.0	10.5	19.5	24
SYN-1-88	24.0	2.0	18.0	25.0	14.5	22.5	17.5	20.0	18.5	26.0	24.0	20.0	22.0	14.0	26.0	21.0	19.0	26.5	26.5	20.0	12.0	24.0	21.5	25.0	24.0	25.0	25
TENDENZ	27.0	21.0	2.0	28.0	27.0	20.0	28.0	27.0	27.0	25.0	26.0	25.5	25.0	28.0	15.5	26.0	27.0	25.0	28.0	26.0	23.0	15.0	26.5	26.0	27.0	27.0	26
BAR AS 492	28.0	1.0	1.0	26.0	28.0	26.0	22.5	28.0	28.0	27.0	28.0	28.0	27.0	21.5	28.0	27.0	28.0	26.5	22.0	28.0	28.0	27.0	28.0	27.0	23.0	22.5	27
SEASIDE	26.0	5.0	3.0	27.0	26.0	28.0	27.0	26.0	26.0	28.0	27.0	27.0	28.0	25.5	27.0	28.0	26.0	28.0	25.0	27.0	19.0	28.0	26.5	28.0	28.0	28.0	28

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 GREEN
1994 DATA

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

NAME	AZ1	GA1	GA2	IL1	KS1	KY1	MA1	MN1	MO2	NH1	OK1	PA1	RI1	SC1	VA1	WA1	WI1	WI2	MEAN
18TH GREEN	7.7	4.3	1.7	7.3	8.7	8.3	6.3	7.2	7.0	8.0	8.0	8.7	9.0	7.7	7.3	6.7	7.3	8.0	7.2
CATO	7.0	4.7	2.3	8.0	7.3	7.7	7.7	7.4	7.0	7.3	7.3	7.3	8.3	7.7	7.0	6.7	7.0	7.3	6.9
L-93	7.3	4.0	3.0	8.0	8.3	7.3	7.7	7.0	7.3	5.0	7.3	7.0	8.0	6.7	7.3	7.0	7.3	7.3	6.8
PROVIDENCE	6.7	4.7	1.7	8.0	7.7	7.0	7.7	6.8	7.7	7.0	7.0	6.7	8.0	7.0	6.3	6.7	7.0	7.0	6.7
ISI-AP-89150	6.7	4.7	2.7	8.0	8.0	7.3	7.3	6.5	7.0	5.0	7.7	8.0	7.0	7.0	6.3	6.7	7.0	7.0	6.7
A-4	7.3	4.0	2.7	7.7	7.3	7.3	6.0	7.0	7.3	6.7	7.0	6.7	6.7	5.7	7.0	6.7	7.0	8.0	6.6
CRENSHAW	7.0	4.0	1.0	8.3	7.7	6.7	7.3	6.6	7.0	5.0	7.3	7.0	7.0	7.3	6.7	6.7	7.0	7.0	6.5
DG-P	7.0	4.0	1.7	8.0	8.0	7.3	7.0	6.6	7.7	6.3	6.3	8.0	6.0	6.3	6.3	6.0	7.0	7.0	6.5
G-6	6.0	4.0	3.3	7.7	6.7	7.3	8.3	6.5	7.0	6.3	6.7	6.3	6.7	7.0	6.7	6.0	7.0	7.0	6.5
REGENT	6.0	4.3	2.3	7.7	6.7	7.0	7.0	6.5	7.3	6.3	7.0	7.0	5.7	6.7	6.0	6.3	7.0	7.0	6.3
SOUTHSHORE	6.0	4.7	1.0	7.0	7.0	6.7	6.3	6.6	7.3	6.0	6.7	7.0	7.0	6.7	6.7	7.0	7.0	7.0	6.3
BAR WS 42102	5.7	4.3	2.7	7.7	7.7	8.3	6.0	6.3	7.3	5.0	7.3	7.0	5.7	6.0	6.3	6.0	6.7	7.0	6.3
SYN 92-1	5.3	4.0	1.7	7.0	7.7	7.0	7.3	6.6	7.0	6.7	6.7	6.7	7.0	6.3	5.3	6.3	7.0	7.3	6.3
A-1	5.7	4.0	1.0	8.0	7.3	7.3	7.7	6.3	7.0	4.0	6.7	6.7	7.0	6.7	6.3	6.7	6.7	7.0	6.2
SR 1020	6.3	4.0	2.0	7.3	6.7	7.3	6.0	6.5	7.3	6.0	6.3	6.7	6.3	6.3	5.7	7.0	7.0	7.0	6.2
G-2	5.3	4.0	2.3	7.7	7.3	7.7	7.3	6.4	7.0	5.0	6.7	5.7	6.0	6.0	7.0	6.3	7.0	7.0	6.2
LOPEZ	5.7	4.0	4.0	6.7	8.0	7.0	6.3	6.5	7.0	5.0	6.7	6.0	5.0	6.7	6.0	7.0	6.7	7.0	6.2
TRUELINE	5.7	4.0	4.0	6.3	7.3	7.7	6.0	6.3	7.3	5.0	7.0	6.0	5.0	6.7	6.7	6.3	6.7	7.0	6.2
PRO/CUP	5.3	4.3	2.0	7.0	7.3	7.0	6.0	6.6	7.3	5.3	7.0	6.7	5.7	6.3	6.0	6.0	7.0	7.0	6.1
SYN 92-5	5.3	4.0	1.0	7.3	7.3	7.0	7.0	6.6	7.0	6.0	6.7	5.7	5.7	5.7	5.3	6.7	7.0	7.0	6.0
MSUEB	5.7	4.0	1.0	6.7	7.3	7.7	6.3	6.4	7.0	5.0	7.0	6.0	5.0	6.7	6.0	6.0	7.0	7.3	6.0
PENNLINKS	5.3	4.3	2.3	6.7	7.0	7.3	6.3	6.4	7.0	5.0	7.0	5.7	4.7	6.7	5.7	6.7	6.7	7.0	6.0
PENNCROSS	5.3	4.0	3.0	6.3	7.7	6.7	5.3	6.5	7.3	4.3	7.0	6.0	4.7	6.3	5.0	6.0	7.0	7.0	5.9
TENDENZ	4.0	5.3	7.3	5.7	7.3	5.3	4.3	6.3	7.0	5.0	5.3	6.7	3.7	8.7	5.0	4.3	7.0	7.0	5.9
SYN 92-2	5.0	4.0	2.3	6.0	6.3	6.3	6.7	6.6	6.7	6.0	6.3	5.3	5.0	6.3	5.3	6.3	6.7	6.7	5.8
SYN-1-88	5.0	4.0	1.7	6.7	7.3	7.0	5.3	6.6	7.0	6.0	6.3	4.0	5.0	6.0	5.7	5.7	7.0	6.7	5.7
BAR AS 492	4.0	5.0	6.7	6.3	7.0	4.0	4.0	6.2	6.7	4.0	4.7	6.3	3.7	6.7	5.7	4.7	6.7	7.0	5.5
SEASIDE	4.0	3.7	3.3	6.7	6.7	5.3	4.3	5.8	7.0	4.3	4.7	2.0	3.7	3.3	4.0	4.3	6.0	5.3	4.7
LSD VALUE	0.8	0.7	2.1	1.0	0.9	1.2	1.2	0.8	0.6	0.7	0.8	0.8	1.4	1.4	0.9	1.1	0.5	0.5	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 GREEN
1994 DATA

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

NAME	IL1	MO1	SC1	MEAN
TENDENZ	6.3	8.0	9.0	7.8
CATO	6.7	7.7	8.0	7.4
18TH GREEN	5.7	8.0	8.0	7.2
TRUELINE	6.7	8.0	7.0	7.2
PROVIDENCE	7.0	7.7	6.7	7.1
ISI-AP-89150	7.0	9.0	5.3	7.1
G-2	6.7	7.3	7.0	7.0
PENNCROSS	7.0	7.0	7.0	7.0
SOUTHSHORE	7.0	7.0	7.0	7.0
A-4	7.0	7.7	6.0	6.9
LOPEZ	7.0	8.3	5.3	6.9
PENNLINKS	7.0	7.7	6.0	6.9
G-6	6.7	7.0	6.7	6.8
L-93	7.0	6.3	7.0	6.8
SYN 92-1	6.3	8.0	6.0	6.8
BAR WS 42102	6.0	7.0	7.0	6.7
CRENSHAW	6.0	7.7	6.0	6.6
MSUEB	7.0	7.7	5.0	6.6
PRO/CUP	6.7	6.3	6.7	6.6
SYN 92-5	6.7	7.3	5.7	6.6
A-1	6.3	7.3	6.0	6.6
SYN 92-2	6.3	7.3	6.0	6.6
DG-P	6.3	8.0	5.0	6.4
SR 1020	6.3	7.0	6.0	6.4
REGENT	7.0	7.7	4.0	6.2
SYN-1-88	6.7	7.0	4.0	5.9
BAR AS 492	6.3	7.0	4.0	5.8
SEASIDE	7.0	7.0	3.0	5.7
LSD VALUE	0.7	1.3	0.4	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 6. LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN
1994 DATA

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

NAME	AZ1	IL1	KY1	MN1	MO2	OK1	PA1	RI1	SC1	VA1	WA1	MEAN
A-1	7.7	8.7	8.7	7.3	8.0	9.0	8.3	6.0	7.0	7.3	8.3	7.8
A-4	8.3	9.0	8.7	7.7	8.0	8.7	8.3	6.0	6.0	7.3	8.3	7.8
SYN 92-1	8.3	9.0	7.7	7.7	8.0	7.7	8.0	7.0	5.3	8.0	8.0	7.7
G-6	7.3	8.7	8.7	7.3	8.0	9.0	7.7	6.3	5.7	7.3	8.0	7.6
CATO	7.7	9.0	8.7	7.7	6.7	8.3	7.7	6.7	4.7	6.7	7.7	7.4
G-2	7.3	8.7	8.3	7.3	7.7	8.7	6.0	6.0	6.7	6.3	8.0	7.4
SYN 92-5	7.3	8.7	7.7	7.3	8.0	8.0	7.3	6.3	5.0	7.3	8.0	7.4
L-93	7.0	8.3	7.3	7.0	8.0	8.7	7.3	6.7	5.7	6.7	8.0	7.3
CRENSHAW	7.7	8.3	7.3	7.0	8.0	7.3	7.7	6.3	5.7	6.7	8.0	7.3
SYN 92-2	7.3	8.7	7.3	6.3	8.0	8.3	8.0	6.3	4.7	7.3	7.7	7.3
SR 1020	7.0	8.3	7.3	6.7	8.0	8.0	7.0	7.0	5.3	6.7	8.0	7.2
BAR WS 42102	7.3	8.7	7.3	7.3	7.7	8.7	7.3	6.0	4.3	6.3	8.0	7.2
PROVIDENCE	6.3	8.3	7.7	6.7	8.0	8.3	7.7	6.7	4.0	6.7	8.0	7.1
SOUTHSHORE	6.7	8.7	8.0	7.0	7.7	7.7	7.0	6.7	5.0	6.3	7.7	7.1
ISI-AP-89150	5.7	8.0	7.0	7.0	8.0	7.7	7.3	6.7	3.0	6.0	7.7	6.7
18TH GREEN	5.7	8.0	7.0	6.7	7.7	7.3	7.7	5.3	3.7	7.0	7.7	6.7
DG-P	6.0	8.0	7.0	7.0	8.0	8.0	6.0	6.0	4.0	6.0	7.7	6.7
PENNLINKS	5.7	8.0	7.7	7.0	8.0	7.3	5.0	6.3	4.7	5.7	8.0	6.7
MSUEB	5.3	8.0	7.0	6.3	8.0	7.7	6.0	5.3	5.0	5.3	7.7	6.5
REGENT	6.0	8.0	7.0	6.3	8.0	7.3	4.3	7.0	4.3	5.0	7.3	6.4
PRO/CUP	5.3	8.0	7.0	6.3	8.0	7.3	4.0	7.0	3.3	5.3	8.0	6.3
LOPEZ	5.3	8.0	7.7	7.0	8.0	7.0	3.3	5.7	4.0	5.7	8.0	6.3
SYN-1-88	5.7	8.0	6.0	6.0	7.7	7.7	5.0	5.7	5.0	5.7	7.3	6.3
PENNCROSS	5.3	7.7	7.0	6.3	8.0	7.0	3.3	6.0	3.3	5.0	7.7	6.1
TRUELINE	5.0	8.0	6.7	6.7	7.7	7.3	2.7	5.7	3.7	4.7	8.0	6.0
TENDENZ	4.0	8.7	3.7	6.7	7.3	6.7	6.0	6.0	3.0	6.0	7.0	5.9
BAR AS 492	4.0	8.7	3.3	6.7	8.0	6.3	3.0	6.3	2.7	5.7	7.0	5.6
SEASIDE	4.0	7.3	4.3	6.7	7.3	6.0	1.3	7.0	2.7	4.0	7.0	5.2
LSD VALUE	0.8	0.7	1.1	1.0	0.7	0.9	1.1	1.9	1.2	0.9	0.7	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. WEAR TOLERANCE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN
1994 DATA

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

NAME	MO1
18TH GREEN	8.3
A-1	8.3
PROVIDENCE	8.3
BAR WS 42102	8.0
CRENSHAW	8.0
MSUEB	8.0
PENNLINKS	8.0
TRUELINE	8.0
A-4	7.7
CATO	7.7
G-2	7.7
ISI-AP-89150	7.7
L-93	7.7
LOPEZ	7.7
SYN 92-1	7.7
PRO/CUP	7.3
SOUTHSHORE	7.3
SR 1020	7.3
SYN-1-88	7.3
PENNCROSS	7.0
REGENT	7.0
SYN 92-2	7.0
SYN 92-5	7.0
DG-P	6.7
G-6	6.7
SEASIDE	6.3
BAR AS 492	6.0
TENDENZ	5.7
LSD VALUE	1.2

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 8. SEEDLING VIGOR RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN 1994 DATA

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

NAME	AZ1	CO1	IL1	KS1	MN1	MO1	NJ1	PA1	RI1	SC1	TX1	WA1	WA3	WA4	WI1	WI2	MEAN
SEASIDE	8.7	3.0	6.3	6.3	6.0	6.0	8.7	7.0	6.3	7.7	2.3	8.0	8.0	7.7	7.3	9.0	6.8
PENNCROSS	6.7	3.3	5.3	5.7	5.3	6.7	8.0	7.3	7.0	5.0	3.3	6.7	7.0	7.0	6.7	9.0	6.3
CRENSHAW	7.3	3.3	5.7	6.3	6.0	5.0	6.0	5.7	7.3	6.0	3.3	6.3	6.7	7.7	5.7	9.0	6.1
SYN-1-88	7.3	2.7	6.3	4.7	5.0	5.7	8.3	6.7	5.3	5.7	2.0	6.7	8.3	7.0	5.7	9.0	6.0
PROVIDENCE	8.3	2.0	5.7	6.0	6.0	5.3	8.0	6.7	5.0	5.7	2.5	7.0	6.7	7.3	5.3	8.3	6.0
PENNLINKS	5.7	3.7	4.7	6.0	4.5	6.3	8.0	7.7	5.3	5.7	1.5	7.0	6.7	7.0	5.0	9.0	5.9
REGENT	8.0	2.7	5.3	6.3	5.0	4.7	8.7	6.7	4.0	6.3	1.5	6.7	5.7	7.0	6.7	8.3	5.8
SOUTHSHORE	8.0	1.7	5.0	6.3	5.5	5.3	7.7	5.3	5.7	5.3	3.3	6.7	6.0	7.3	6.0	8.3	5.8
PRO/CUP	6.0	1.0	5.3	7.0	6.5	4.3	7.3	4.3	6.3	5.0	2.3	7.0	5.7	6.3	6.7	9.0	5.6
A-4	7.3	2.7	5.3	5.3	5.7	4.3	5.3	5.7	5.0	4.7	3.0	6.7	6.7	7.0	5.3	9.0	5.6
SYN 92-2	7.0	1.0	4.0	5.3	5.0	6.5	8.0	3.3	5.0	4.7	3.3	6.0	7.3	7.7	5.0	9.0	5.5
SYN 92-5	7.7	1.3	4.3	4.3	4.0	3.7	7.3	4.7	4.7	5.3	4.0	6.0	6.0	8.3	6.3	9.0	5.4
SR 1020	7.7	1.0	4.7	5.0	4.3	4.3	8.3	5.3	6.0	4.3	3.0	6.3	5.3	6.7	5.3	9.0	5.4
ISI-AP-89150	5.0	1.7	4.0	5.0	5.0	5.0	8.0	7.0	5.7	4.0	2.3	6.3	6.0	7.0	5.3	8.0	5.3
MSUEB	7.3	3.0	4.0	5.3	3.5	6.7	6.7	5.3	4.0	5.0	2.0	6.0	4.7	6.7	5.7	8.3	5.3
CATO	8.3	1.0	4.0	6.0	4.5	4.0	7.7	4.0	5.0	4.0	2.0	6.3	3.3	7.0	5.3	8.3	5.1
SYN 92-1	6.7	1.3	5.0	6.0	3.5	4.0	8.0	3.3	4.0	3.7	1.5	6.3	5.7	8.0	5.0	8.3	5.0
BAR WS 42102	7.3	1.3	4.3	5.0	5.0	4.0	7.0	3.7	4.0	3.7	2.3	6.3	3.3	7.7	5.7	9.0	5.0
18TH GREEN	7.3	1.3	3.7	4.7	5.7	4.0	6.3	3.0	5.7	5.7	2.3	6.3	3.7	6.7	5.0	7.7	4.9
TENDENZ	2.7	2.7	4.3	3.3	4.3	4.3	6.0	7.3	5.0	5.7	3.3	6.0	6.3	6.0	4.3	7.0	4.9
TRUELINE	6.7	1.7	3.3	6.0	5.3	5.3	6.7	3.7	5.3	1.3	2.3	6.3	3.7	6.3	5.7	8.3	4.9
L-93	6.0	1.3	3.7	6.0	4.0	4.0	6.7	3.3	4.0	3.3	2.0	6.0	4.3	8.0	5.7	8.7	4.8
G-2	6.7	1.7	4.7	4.3	5.5	3.0	6.3	2.0	3.7	3.3	2.3	6.3	4.0	7.7	5.3	9.0	4.7
A-1	5.3	1.3	4.0	4.7	4.3	2.7	6.7	3.0	5.0	3.0	3.7	6.0	4.3	6.7	5.3	9.0	4.7
LOPEZ	6.7	3.0	4.0	4.3	4.3	4.7	6.3	3.0	3.3	3.7	1.0	5.7	4.0	5.7	5.3	8.0	4.6
G-6	7.3	1.3	3.0	4.3	4.7	2.7	6.3	2.0	3.3	3.0	1.0	6.0	3.0	7.3	5.0	9.0	4.3
BAR AS 492	4.7	1.7	3.7	4.7	3.0	3.7	5.0	1.0	3.0	3.0	2.0	5.7	2.3	4.0	5.0	5.7	3.6
DG-P	4.0	1.3	2.7	4.7	2.0	3.0	4.7	2.7	2.7	2.0	2.0	5.3	1.7	.	5.0	9.0	3.5
LSD VALUE	1.7	1.1	1.7	2.1	3.1	2.5	1.0	1.4	2.2	1.9	3.0	1.4	1.5	1.7	1.6	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 9. SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN 1994 DATA

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

NAME	MO1	MO2	NH1	PA1	WA3	MEAN
A-4	8.3	7.0	6.0	7.3	9.0	7.5
PROVIDENCE	8.7	6.7	7.0	7.7	7.3	7.5
G-6	7.0	7.0	6.0	7.7	9.0	7.3
18TH GREEN	9.0	6.7	5.7	8.7	6.7	7.3
CATO	7.3	6.7	6.3	7.7	7.7	7.1
SR 1020	7.3	6.7	7.0	7.3	7.3	7.1
SOUTHSHORE	8.0	6.7	5.0	6.7	8.3	6.9
ISI-AP-89150	8.0	6.3	6.0	8.0	5.7	6.8
SYN 92-1	8.3	6.7	3.0	7.7	8.3	6.8
SYN 92-2	8.0	7.0	5.0	6.7	7.3	6.8
SYN 92-5	7.7	7.0	5.0	7.0	7.3	6.8
BAR WS 42102	8.0	6.0	3.0	8.7	7.3	6.6
G-2	7.7	6.7	2.3	7.0	9.0	6.5
CRENSHAW	8.3	7.3	4.0	8.0	4.7	6.5
PENNLINKS	9.0	6.7	5.0	6.3	5.3	6.5
A-1	7.3	6.7	1.7	7.3	9.0	6.4
L-93	7.3	6.0	3.0	7.0	7.3	6.1
DG-P	7.7	6.7	3.7	6.7	5.7	6.1
MSUEB	8.3	7.0	3.0	6.7	5.3	6.1
SYN-1-88	7.7	6.3	6.3	6.0	3.7	6.0
REGENT	7.7	6.7	5.0	5.7	4.7	5.9
PENNCROSS	7.7	7.0	4.3	6.0	4.3	5.9
PRO/CUP	7.0	7.0	4.3	5.3	4.3	5.6
TRUELINE	8.7	6.3	3.0	5.7	4.0	5.5
TENDENZ	7.3	6.3	5.0	6.0	2.7	5.5
LOPEZ	7.7	6.7	2.3	5.3	3.7	5.1
BAR AS 492	6.3	7.0	2.3	4.3	3.7	4.7
SEASIDE	6.7	6.3	2.0	3.7	2.0	4.1
LSD VALUE	1.0	1.4	0.7	1.0	1.1	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 GREEN 1994 DATA

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

NAME	AZ1	MN1	MO1	MO2	NH1	PA1	WA3	MEAN
CATO	8.7	7.3	7.7	7.7	7.0	6.7	8.7	7.7
A-1	7.0	8.0	7.3	7.3	5.7	8.3	9.0	7.5
A-4	8.0	7.7	8.0	7.7	6.0	7.0	8.0	7.5
G-2	8.3	6.7	7.3	7.7	6.0	7.0	8.7	7.4
BAR WS 42102	8.3	7.7	7.7	7.3	5.3	6.7	8.3	7.3
L-93	7.0	7.3	7.0	7.3	6.7	7.7	8.3	7.3
SOUTHSHORE	7.7	7.3	7.3	7.7	6.0	6.3	8.3	7.2
G-6	7.7	7.3	7.3	7.3	6.0	6.3	8.7	7.2
SYN 92-1	8.0	7.3	7.3	7.7	6.0	5.3	8.7	7.2
PROVIDENCE	5.7	6.3	8.7	7.7	7.3	6.3	7.7	7.1
CRENSHAW	8.0	7.0	8.0	8.0	6.0	3.7	8.3	7.0
SYN 92-2	8.3	6.7	7.3	7.7	6.3	5.3	6.3	6.9
SR 1020	6.3	6.7	8.0	7.3	7.0	4.7	8.0	6.9
PENNLINKS	5.3	6.3	8.3	7.7	7.0	5.3	7.7	6.8
SYN 92-5	7.3	6.3	7.3	7.3	5.7	5.7	8.0	6.8
MSUEB	6.0	6.0	8.0	7.7	6.0	5.7	7.7	6.7
TRUELINE	6.7	7.0	8.3	7.7	7.0	5.0	5.0	6.7
DG-P	5.7	7.0	7.7	7.3	5.7	5.3	7.0	6.5
LOPEZ	6.0	6.7	7.7	8.0	6.0	4.7	6.3	6.5
PRO/CUP	6.3	7.0	7.0	8.0	6.0	4.7	6.3	6.5
18TH GREEN	5.3	7.0	7.7	7.7	7.0	3.7	6.3	6.4
REGENT	7.0	6.0	7.7	8.0	6.0	5.3	4.3	6.3
ISI-AP-89150	6.3	6.7	8.0	7.7	5.7	5.3	4.7	6.3
PENNCROSS	6.0	6.7	7.7	7.7	7.0	5.0	4.3	6.3
SYN-1-88	6.7	6.0	7.3	8.0	3.0	3.3	5.7	5.7
BAR AS 492	3.0	6.0	6.7	7.7	2.0	5.0	6.3	5.2
TENDENZ	2.7	6.3	6.0	7.0	6.0	5.0	3.0	5.1
SEASIDE	3.7	6.7	6.3	6.7	3.3	3.0	2.3	4.6
LSD VALUE	2.0	1.4	0.9	1.0	0.6	1.3	1.1	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 11. FALL DENSITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN 1994 DATA

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

NAME	AZ1	GA1	GA2	MO1	MO2	NH1	OK1	MEAN
PROVIDENCE	7.0	4.7	1.0	8.7	8.0	6.0	8.7	6.3
LOPEZ	6.7	3.7	3.3	7.7	8.0	6.7	7.7	6.2
G-6	7.0	4.3	1.0	7.0	8.0	7.0	9.0	6.2
A-1	7.3	3.3	1.0	7.0	8.0	7.0	9.0	6.1
A-4	8.0	2.3	1.0	7.7	8.0	6.7	9.0	6.1
G-2	7.7	3.3	1.0	7.3	8.0	6.3	9.0	6.1
L-93	7.7	3.7	1.0	7.3	8.0	6.3	8.7	6.1
SR 1020	7.7	4.3	1.0	8.0	8.0	5.7	8.0	6.1
CRENSHAW	8.0	2.7	1.0	8.0	8.0	6.3	8.3	6.0
BAR WS 42102	8.0	2.7	1.0	8.0	8.0	5.7	8.7	6.0
SOUTHSHORE	7.0	4.3	1.0	7.3	8.0	6.0	8.0	6.0
PENNLINKS	6.3	4.0	1.0	8.0	8.0	6.7	7.3	5.9
TRUELINE	6.3	3.3	1.0	9.0	8.0	6.3	7.3	5.9
18TH GREEN	6.7	2.0	1.0	8.3	8.0	7.0	8.0	5.9
SYN 92-1	8.0	2.7	1.0	7.3	8.0	5.3	8.7	5.9
REGENT	7.0	4.3	1.0	7.3	8.0	5.7	7.7	5.9
SYN 92-2	7.3	4.0	1.0	7.7	7.7	5.3	7.7	5.8
SYN 92-5	7.7	2.3	1.0	7.3	8.0	6.0	8.3	5.8
MSUEB	6.3	3.7	1.0	8.0	8.0	5.7	7.7	5.8
CATO	7.3	2.7	1.0	7.3	7.7	5.7	8.3	5.7
DG-P	6.7	3.3	1.0	7.3	7.7	6.0	8.0	5.7
ISI-AP-89150	6.7	3.0	1.0	8.0	8.3	5.3	7.7	5.7
PENNCROSS	6.0	3.7	1.0	7.3	8.0	6.7	7.0	5.7
PRO/CUP	6.3	3.3	1.0	7.0	8.0	6.3	6.7	5.5
SYN-1-88	6.7	4.3	1.0	7.0	8.0	4.0	7.3	5.5
BAR AS 492	2.3	5.3	4.7	7.0	7.7	5.0	5.3	5.3
TENDENZ	2.7	3.0	5.0	6.3	8.0	5.7	4.7	5.0
SEASIDE	4.7	4.0	1.0	6.3	8.0	4.0	4.0	4.6
LSD VALUE	0.9	1.4	1.2	0.9	0.4	0.7	1.0	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 12. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN
1994 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 1/

NAME	AZ1	IL2	MA1	MO1	MO2	VA1	MEAN
PROVIDENCE	99.0	49.7	88.3	86.7	84.3	63.3	78.6
A-4	98.3	63.0	81.7	81.7	84.7	61.7	78.5
CRENSHAW	98.3	57.7	80.0	71.7	87.7	71.7	77.8
SYN 92-2	97.3	55.0	76.7	83.3	81.3	71.7	77.6
REGENT	98.3	56.7	88.3	80.0	87.7	51.7	77.1
SOUTHSHORE	98.0	51.0	73.3	75.0	86.7	66.7	75.1
MSUEB	98.0	44.7	76.7	90.0	81.7	58.3	74.9
PENNCROSS	97.3	51.7	83.3	83.3	81.7	48.3	74.3
SYN-1-88	98.0	57.3	71.7	73.3	80.0	61.7	73.7
SEASIDE	97.0	33.7	94.7	73.3	84.7	58.3	73.6
SYN 92-5	97.3	52.3	71.7	70.0	82.7	66.7	73.4
SR 1020	98.0	55.3	78.3	61.7	82.3	63.3	73.2
SYN 92-1	98.7	32.7	71.7	78.3	86.7	65.0	72.2
ISI-AP-89150	96.0	19.0	75.0	88.3	86.7	63.3	71.4
A-1	94.3	58.3	71.7	60.0	86.7	55.0	71.0
PENNLINKS	95.0	18.3	81.7	91.7	84.3	51.7	70.4
CATO	99.0	33.3	75.0	71.7	83.3	51.7	69.0
LOPEZ	97.0	25.3	66.7	83.3	88.0	53.3	68.9
18TH GREEN	98.3	25.7	63.3	81.7	88.3	53.3	68.4
G-2	97.0	37.7	61.7	73.3	89.7	50.0	68.2
TRUELINE	96.0	11.0	75.0	88.3	86.0	50.0	67.7
TENDENZ	90.0	8.0	66.7	91.7	81.0	63.3	66.8
G-6	97.3	30.0	78.3	46.7	88.0	60.0	66.7
L-93	98.0	40.7	65.0	58.3	76.0	55.0	65.5
PRO/CUP	96.0	21.7	66.7	58.3	86.7	58.3	64.6
DG-P	91.7	29.7	58.3	70.0	83.7	46.7	63.3
BAR AS 492	91.7	38.7	46.7	71.7	84.0	43.3	62.7
BAR WS 42102	98.3	14.3	63.3	66.7	80.0	33.3	59.3
LSD VALUE	2.5	35.5	16.0	23.4	9.4	23.0	8.6

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

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/

NAME	IL2	MN1	MO1	MO2	MEAN
A-4	94.7	96.3	56.7	98.3	86.5
MSUEB	93.7	84.3	66.7	99.0	85.9
SOUTHSHORE	92.7	94.3	53.3	98.3	84.7
BAR WS 42102	74.3	90.7	71.7	97.7	83.6
REGENT	89.0	94.0	51.7	99.0	83.4
CRENSHAW	88.7	86.0	58.3	98.7	82.9
PROVIDENCE	84.0	87.3	61.7	98.0	82.8
TENDENZ	78.7	90.0	63.3	98.3	82.6
L-93	80.3	90.3	61.7	98.0	82.6
SYN 92-2	90.3	92.0	50.0	97.7	82.5
LOPEZ	89.0	88.3	53.3	98.7	82.3
18TH GREEN	63.3	93.0	71.7	98.3	81.6
ISI-AP-89150	65.3	95.7	66.7	98.3	81.5
SYN 92-5	89.3	86.7	51.7	98.0	81.4
PENNLINKS	84.3	85.7	53.3	98.7	80.5
SR 1020	72.0	94.7	56.7	97.7	80.3
A-1	76.7	90.7	55.0	98.0	80.1
G-2	77.3	95.3	48.3	99.0	80.0
CATO	64.0	91.0	65.0	98.3	79.6
DG-P	87.7	72.3	56.7	98.7	78.8
PENNCROSS	67.0	93.0	56.7	98.3	78.8
G-6	68.7	94.0	53.3	98.0	78.5
SYN 92-1	68.0	83.7	55.0	98.3	76.3
PRO/CUP	55.0	92.0	53.3	98.0	74.6
TRUELINE	39.0	95.0	58.3	98.3	72.7
SYN-1-88	58.3	81.3	46.7	98.3	71.2
BAR AS 492	52.7	73.3	48.3	98.7	68.3
SEASIDE	38.3	94.7	40.0	98.0	67.8
LSD VALUE	41.0	20.8	19.0	1.4	12.4

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 14. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN
1994 DATA

	PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 1/							
NAME	GA1	GA2	IL2	MN1	MO1	MO2	PA1	MEAN
BAR AS 492	84.0	55.3	79.3	97.3	75.0	98.0	99.0	84.0
LOPEZ	48.3	33.3	91.3	97.7	88.3	98.7	96.3	79.1
TENDENZ	40.0	56.7	88.0	97.7	73.3	98.7	99.0	79.0
PROVIDENCE	61.7	0.3	94.3	97.7	86.7	98.3	98.7	76.8
REGENT	73.3	0.7	83.3	98.3	86.7	99.0	94.7	76.6
SR 1020	75.0	0.3	95.0	99.0	80.0	98.3	87.7	76.5
PENNLINKS	60.0	0.7	90.3	97.7	88.3	99.0	97.7	76.2
DG-P	58.3	0.3	90.7	98.3	83.3	98.3	98.0	75.3
SOUTHSHORE	60.0	0.0	96.0	99.0	78.3	99.0	94.7	75.3
L-93	65.0	0.7	82.7	98.3	81.7	98.3	99.0	75.1
PENNCROSS	55.0	2.0	82.7	99.0	86.7	99.0	96.7	74.4
G-6	60.0	0.7	89.7	99.0	75.0	97.7	97.0	74.1
SYN-1-88	73.3	0.3	84.0	98.7	81.7	99.0	81.7	74.1
G-2	43.3	0.7	92.0	98.3	85.0	98.7	98.3	73.8
SEASIDE	63.3	7.0	75.3	98.3	73.3	98.3	97.3	73.3
A-1	41.7	0.0	86.3	99.0	86.7	99.0	99.0	73.1
MSUEB	43.3	0.0	87.0	98.7	85.0	98.7	99.0	73.1
A-4	36.7	0.3	93.7	99.0	85.0	98.7	97.7	73.0
PRO/CUP	53.3	0.3	87.0	99.0	75.0	99.0	96.0	72.8
CATO	40.0	0.7	88.0	98.3	85.0	98.0	96.0	72.3
SYN 92-2	43.3	0.7	96.0	99.0	80.0	98.7	87.7	72.2
CRENSHAW	43.3	0.0	92.3	98.7	78.3	99.0	81.7	70.5
BAR WS 42102	45.0	2.0	72.7	99.0	83.3	91.3	98.0	70.2
ISI-AP-89150	41.7	0.7	64.3	99.0	83.3	98.7	95.7	69.0
SYN 92-1	33.3	0.3	89.0	98.0	78.3	98.0	85.7	69.0
SYN 92-5	28.3	0.0	91.7	98.0	76.7	98.7	89.3	69.0
TRUELINE	41.7	5.3	59.3	98.3	85.0	99.0	93.0	68.8
18TH GREEN	31.7	3.3	84.0	98.0	76.7	99.0	78.3	67.3
LSD VALUE	24.3	17.7	29.4	1.6	10.5	3.9	5.1	6.3

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 15. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN 1994 DATA

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

NAME	AZ1	OK1	WA3	MEAN
A-4	5.3	5.3	5.0	5.2
G-2	5.3	5.0	5.3	5.2
SR 1020	6.0	4.0	4.3	4.8
PROVIDENCE	6.7	5.0	2.3	4.7
L-93	6.3	4.3	2.7	4.4
SYN 92-5	4.7	3.3	5.3	4.4
BAR AS 492	3.0	3.7	6.3	4.3
G-6	4.3	4.0	4.3	4.2
ISI-AP-89150	4.7	4.0	3.7	4.1
A-1	5.3	4.0	3.0	4.1
CATO	6.3	4.3	1.7	4.1
PENNLINKS	4.7	3.7	3.3	3.9
SOUTHSHORE	4.7	3.7	3.0	3.8
SYN 92-1	5.0	3.3	3.0	3.8
SYN-1-88	4.0	4.0	3.3	3.8
DG-P	4.3	4.0	3.0	3.8
LOPEZ	4.0	3.0	4.3	3.8
PRO/CUP	4.3	4.0	3.0	3.8
SYN 92-2	4.7	3.3	3.0	3.7
PENNCROSS	4.7	4.0	2.0	3.6
CRENSHAW	5.3	3.7	1.3	3.4
REGENT	4.7	3.0	2.7	3.4
MSUEB	3.3	3.7	2.3	3.1
TRUELINE	3.3	3.0	3.0	3.1
18TH GREEN	6.0	2.0	1.0	3.0
BAR WS 42102	3.7	3.3	2.0	3.0
SEASIDE	2.3	3.7	3.0	3.0
TENDENZ	2.3	3.7	2.0	2.7
LSD VALUE	1.2	0.8	1.2	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 16. THATCH MEASUREMENTS OF BENTGRASS CULTIVARS GROWN ON A GREEN 1994 DATA

THATCH MEASUREMENTS IN MILLIMETERS 1/

NAME	AZ1
BAR WS 42102	6.7
PENNLINKS	6.3
A-4	6.0
G-2	6.0
SYN 92-1	6.0
SYN 92-2	5.3
CATO	5.0
REGENT	5.0
SR 1020	5.0
SYN 92-5	5.0
SYN-1-88	5.0
A-1	4.7
CRENSHAW	4.7
MSUEB	4.7
PENNCROSS	4.7
SOUTHSHORE	4.7
TRUELINE	4.7
18TH GREEN	4.3
ISI-AP-89150	4.3
L-93	4.3
PROVIDENCE	4.3
SEASIDE	4.3
BAR AS 492	4.0
PRO/CUP	4.0
DG-P	3.7
LOPEZ	3.7
G-6	3.3
TENDENZ	1.3
LSD VALUE	1.9

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 17. FUSARIUM PATCH RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN 1994 DATA

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

NAME	WA3
TENDENZ	9.0
BAR AS 492	8.0
PRO/CUP	7.7
PENNLINKS	7.3
SOUTHSHORE	7.3
SYN-1-88	7.3
CATO	7.0
L-93	7.0
PROVIDENCE	7.0
DG-P	6.7
PENNCROSS	6.7
REGENT	6.7
G-6	6.3
SYN 92-1	6.3
TRUELINE	6.3
A-4	5.7
ISI-AP-89150	5.7
SYN 92-2	5.7
SYN 92-5	5.7
BAR WS 42102	4.3
LOPEZ	4.3
A-1	4.0
SR 1020	4.0
SEASIDE	3.3
MSUEB	3.0
18TH GREEN	2.3
CRENSHAW	2.3
G-2	1.3
LSD VALUE	3.6

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 18. LEAF SPOT RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN 1994 DATA

NAME	LEAF SPOT RATINGS 1-9; 9=NO DISEASE 1/ NH1
18TH GREEN	7.3
PROVIDENCE	7.0
SOUTHSHORE	7.0
SR 1020	7.0
A-4	6.3
CATO	6.0
G-6	6.0
ISI-AP-89150	6.0
PRO/CUP	6.0
SYN 92-2	6.0
SYN 92-5	6.0
SYN-1-88	6.0
PENNLINKS	5.7
TRUELINE	5.3
DG-P	5.0
SYN 92-1	5.0
TENDENZ	4.7
BAR AS 492	4.3
BAR WS 42102	4.3
REGENT	4.3
CRENSHAW	4.0
L-93	4.0
LOPEZ	4.0
PENNCROSS	3.7
G-2	3.0
MSUEB	3.0
SEASIDE	3.0
A-1	2.0
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 19. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN 1994 DATA

	DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 1/						
NAME	MD1	OK1	PA1	SC1	TX1	VA1	MEAN
BAR AS 492	5.3	8.7	9.0	8.3	9.0	8.7	8.2
L-93	5.7	8.0	8.3	8.3	8.7	8.3	7.9
PENNLINKS	7.0	8.0	7.7	8.0	7.0	9.0	7.8
TENDENZ	4.3	8.3	8.3	8.3	8.3	9.0	7.8
MSUEB	6.3	7.3	7.7	8.3	8.7	8.3	7.8
DG-P	6.7	7.3	7.7	6.7	8.7	8.7	7.6
PROVIDENCE	7.3	7.0	7.7	7.3	7.0	8.7	7.5
PENNCROSS	5.0	7.7	7.0	8.0	7.7	9.0	7.4
A-1	6.3	6.7	8.0	7.7	8.7	6.7	7.3
REGENT	5.7	7.3	6.7	7.7	8.3	8.0	7.3
BAR WS 42102	4.7	6.7	8.0	7.0	8.7	8.7	7.3
ISI-AP-89150	6.3	7.7	7.0	6.7	8.0	7.7	7.2
G-2	6.0	7.3	7.7	7.0	8.7	6.7	7.2
CATO	5.7	7.0	7.3	7.7	7.3	8.0	7.2
TRUELINE	6.3	6.7	7.3	6.3	8.0	8.0	7.1
SEASIDE	5.0	8.0	6.7	6.3	8.3	8.0	7.1
G-6	5.3	6.3	6.7	7.7	8.7	7.0	6.9
LOPEZ	5.3	7.0	7.0	6.0	7.0	8.7	6.8
SOUTHSHORE	4.7	5.0	7.0	8.0	8.0	7.3	6.7
A-4	4.3	5.3	7.0	7.7	8.0	7.3	6.6
PRO/CUP	4.0	6.7	6.7	7.0	8.0	6.7	6.5
SR 1020	7.3	6.7	5.7	5.3	8.0	3.7	6.1
SYN-1-88	7.0	5.0	4.3	5.0	8.0	6.3	5.9
SYN 92-2	5.0	4.7	5.7	6.0	8.3	4.3	5.7
SYN 92-5	4.7	4.0	5.7	5.0	7.3	6.3	5.5
SYN 92-1	3.7	4.7	5.3	5.7	7.7	3.3	5.1
18TH GREEN	2.3	4.0	4.3	4.7	7.7	5.0	4.7
CRENSHAW	1.7	4.0	4.7	4.0	8.3	3.0	4.3
LSD VALUE	2.5	1.2	1.1	2.2	2.0	1.8	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 20. BROWN PATCH RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN 1994 DATA

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

NAME	NJ1	OK1	PA1	SC1	MEAN
MSUEB	8.0	7.3	8.7	8.0	8.0
18TH GREEN	8.7	7.3	8.7	7.3	8.0
G-6	8.7	8.0	9.0	6.0	7.9
A-1	7.7	8.0	8.7	7.0	7.8
CRENSHAW	8.0	7.7	9.0	6.7	7.8
TRUELINE	8.7	7.7	9.0	5.7	7.8
L-93	8.0	7.7	8.7	6.3	7.7
SOUTHSHORE	8.3	6.7	9.0	6.7	7.7
PRO/CUP	8.3	7.7	9.0	5.3	7.6
CATO	7.7	7.7	9.0	5.7	7.5
G-2	8.0	7.3	9.0	5.7	7.5
PROVIDENCE	7.7	8.3	8.7	5.3	7.5
REGENT	8.7	7.3	8.7	5.3	7.5
LOPEZ	8.7	7.0	9.0	5.0	7.4
SR 1020	8.0	7.7	8.7	5.0	7.3
PENNLINKS	8.0	7.0	8.3	5.7	7.3
SYN 92-2	7.3	7.7	8.0	5.7	7.2
SYN 92-5	8.0	8.0	8.7	4.0	7.2
A-4	8.0	7.7	8.3	4.3	7.1
SYN-1-88	8.0	6.3	7.7	5.7	6.9
DG-P	7.3	6.3	8.7	5.3	6.9
SYN 92-1	7.7	8.0	8.3	2.7	6.7
ISI-AP-89150	7.7	6.3	8.0	4.3	6.6
PENNCROSS	8.0	6.7	9.0	2.3	6.5
SEASIDE	5.3	6.7	8.3	5.0	6.3
BAR WS 42102	6.3	6.7	8.7	2.0	5.9
TENDENZ	5.0	5.3	6.0	5.0	5.3
BAR AS 492	4.7	5.3	6.7	3.7	5.1
LSD VALUE	1.3	1.2	1.5	3.1	1.0

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 21. PYTHIUM ROOT ROT RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN 1994 DATA

PYTHIUM ROOT ROT RATINGS 1-9; 9=NO DISEASE 1/

NAME	PA1
18TH GREEN	9.0
A-1	9.0
A-4	9.0
BAR AS 492	9.0
BAR WS 42102	9.0
CATO	9.0
CRENSHAW	9.0
DG-P	9.0
G-2	9.0
G-6	9.0
ISI-AP-89150	9.0
L-93	9.0
LOPEZ	9.0
MSUEB	9.0
PENNCROSS	9.0
PENNLINKS	9.0
PRO/CUP	9.0
PROVIDENCE	9.0
REGENT	9.0
SEASIDE	9.0
SOUTHSHORE	9.0
SR 1020	9.0
SYN 92-1	9.0
SYN 92-2	9.0
SYN 92-5	9.0
SYN-1-88	9.0
TRUELINE	9.0
TENDENZ	3.3
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 22. PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN 1994 DATA

NAME	PERCENT ESTABLISHMENT 1/ OK1	PA1	MEAN
A-1	80.0	97.7	88.8
A-4	88.3	89.0	88.7
L-93	78.3	99.0	88.7
PENNLINKS	81.7	95.3	88.5
REGENT	86.7	90.0	88.3
PENNCROSS	85.0	90.7	87.8
PROVIDENCE	81.7	93.7	87.7
MSUEB	80.0	95.0	87.5
SOUTHSHORE	83.3	91.3	87.3
TRUELINE	81.7	91.7	86.7
BAR WS 42102	75.0	97.0	86.0
SEASIDE	81.7	89.7	85.7
SYN 92-5	88.3	83.0	85.7
G-6	81.7	88.7	85.2
LOPEZ	80.0	90.0	85.0
DG-P	75.0	93.3	84.2
ISI-AP-89150	76.7	90.7	83.7
CATO	76.7	90.3	83.5
SR 1020	86.7	80.3	83.5
G-2	73.3	93.0	83.2
BAR AS 492	66.7	99.0	82.8
PRO/CUP	76.7	88.3	82.5
TENDENZ	65.0	99.0	82.0
SYN 92-1	81.7	80.3	81.0
SYN-1-88	88.3	72.3	80.3
SYN 92-2	78.3	82.0	80.2
CRENSHAW	83.3	71.7	77.5
18TH GREEN	71.7	71.7	71.7
LSD VALUE	7.9	7.4	5.4

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

NAME	PERCENT POA ANNUA 1/ IL1
BAR AS 492	50.0
TENDENZ	36.7
G-2	35.0
BAR WS 42102	31.7
DG-P	31.7
18TH GREEN	28.3
G-6	26.7
LOPEZ	25.0
A-1	23.3
PRO/CUP	21.7
CATO	20.0
SYN 92-5	20.0
L-93	18.3
SR 1020	18.3
SYN 92-1	18.3
SYN 92-2	18.3
A-4	16.7
CRENSHAW	16.7
ISI-AP-89150	16.7
PROVIDENCE	16.7
TRUELINE	16.7
MSUEB	15.0
PENNLINKS	15.0
REGENT	13.3
SOUTHSHORE	13.3
PENNCROSS	11.7
SEASIDE	11.7
SYN-1-88	11.7
LSD VALUE	10.9

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 24. SCALPING RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN
1994 DATA

SCALPING RATINGS 1-9; 9=NONE 1/

NAME	NJ1
BAR WS 42102	8.7
CRENSHAW	8.3
DG-P	8.3
LOPEZ	8.3
18TH GREEN	8.0
A-4	8.0
CATO	8.0
G-6	8.0
L-93	8.0
PROVIDENCE	7.7
TRUELINE	7.7
A-1	7.3
G-2	7.3
MSUEB	7.3
PENNCROSS	7.0
SYN 92-5	7.0
TENDENZ	7.0
ISI-AP-89150	6.7
PENNLINKS	6.7
SOUTHSHORE	6.7
PRO/CUP	6.3
SYN 92-1	6.3
SYN 92-2	5.7
BAR AS 492	5.3
SR 1020	5.3
REGENT	5.0
SYN-1-88	4.7
SEASIDE	2.7
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).