

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, one member from the Golf Course Superintendents Association of America (GCSAA), an executive director and a special projects 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 - Kevin N. Morris, National Turfgrass Federation, Inc.

Special Projects Coordinator - Dr. Robert Shearman, University of Nebraska

CURRENT POLICY COMMITTEE MEMBERS:

Dr. A. Douglas Brede, Jacklin Seed Company
Dr. David Chalmers, Virginia Tech University
Dr. Thomas Fermanian, University of Illinois
Dr. Donald Floyd, Pickseed West, Inc.
Mr. Al Gardner, Gardner Turfgrass, Inc.
Dr. Michael Kenna, USGA Green Section
Dr. Anthony Koski, Colorado State University
Dr. Peter Landschoot, Penn State University
Dr. Jeff Nus, Golf Course Superintendents Association of America

FOR ADDITIONAL REPORTS OR INFORMATION WRITE:

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

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LOCATIONS SUBMITTING DATA FOR 1994-97

<u>State</u>	<u>Location</u>	<u>Code</u>
Arizona	Tucson	AZ1
Colorado	Fort Collins	CO1
Iowa	Ames	IA1
Illinois	Urbana	IL1
Illinois	Carbondale	IL2
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
Mississippi	Mississippi State	MS1
New Hampshire	Durham	NH1
New Jersey	North Brunswick	NJ1
Oklahoma	Stillwater	OK1
Pennsylvania	University Park	PA1
Quebec	Quebec	QE1
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 (Native Soil)	WI1
Wisconsin	Madison (Sand)	WI2

1993 NATIONAL BENTGRASS TEST
(Greens)

Entries and Sponsors

Entry No.	Name	Species	Sponsor
1	18th Green	creeping	Zajac Performance Seeds/ 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	Century (Syn 92-1)	creeping	E. F. Burlingham & Sons
14	Backspin (Syn 92-2)	creeping	Turf Merchants, Inc.
15	Imperial (Syn 92-5)	creeping	E. F. Burlingham & Sons
16	Penncross	creeping	Standard entry
17	Penn A-1 (A-1)	creeping	Tee-2-Green Corp.
18	Penn A-4 (A-4)	creeping	Tee-2-Green Corp.
19	Penn G-2 (G-2)	creeping	LESCO, Inc.
20	Penn G-6 (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	Loft's L-93 (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	Mariner (Syn-1-88)	creeping	Pickseed West, Inc.

TABLE A.

1994-97 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	4.1-5.0	FULL SUN	0.0-0.5	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
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	6.1-6.5	0-60	376-500	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
IL2	SILTY CLAY LOAM	6.1-6.5	151-270	151-240	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	0.0-0.5	TO PREVENT STRESS
KY1	SAND	7.1-7.5	0-60	241-375	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
KY2	SAND	7.1-7.5	0-60	0-150	4.1-5.0	FULL SUN	0.0-0.5	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
MI1	SAND	7.1-7.5	61-150	151-240	6.1-7.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MN1	SILTY CLAY LOAM	7.1-7.5	151-270	241-375	5.1-6.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MO1	SAND	6.6-7.0	151-270	151-240	5.1-6.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MO2	SILT LOAM AND SILT	6.1-6.5	61-150	0-150	1.1-2.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MS1	SAND	6.1-6.5	61-150	0-150	4.1-5.0	FULL SUN	0.0-0.5	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	5.6-6.0	271-450	241-375	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
OK1	SAND	6.6-7.0	61-150	151-240	5.1-6.0	FULL SUN	0.0-0.5	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
QE1	SAND	7.1-7.5	0-60	0-150	6.1-7.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
RI1	SILT LOAM AND SILT	6.6-7.0	61-150	0-150	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
SC1	SANDY LOAM	6.1-6.5	-	-	5.1-6.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
TX1	LOAMY SAND	6.1-6.5	0-60	0-150	7.1-8.0	FULL SUN	0.0-0.5	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 STRESS
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	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	7.1-7.5	151-270	241-275	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
WI2	SILT LOAM AND SILT	7.1-7.5	151-270	376-500	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 1994-97

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	SPRING GREENUP	LEAF TEXTURE
AZ1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CO1															
IA1					X	X	X	X	X	X			X	X	X
IL1				X	X	X	X	X	X	X	X		X	X	X
IL2			X	X	X	X	X	X	X	X	X		X		X
KS1					X	X	X	X	X				X	X	X
KY1			X	X	X	X	X	X	X	X			X	X	X
KY2			X	X	X	X	X	X	X	X			X		X
MA1				X	X	X	X	X	X	X			X	X	
MI1					X	X	X	X	X	X	X		X	X	X
MN1				X	X	X	X	X	X	X			X	X	X
MO1				X	X	X	X	X	X	X	X		X	X	X
MO2					X	X	X	X	X	X	X		X		X
MS1	X	X	X	X	X	X	X	X	X		X	X	X		X
NH1						X		X		X			X		
NJ1			X	X	X	X	X	X	X	X	X	X	X	X	X
OK1				X	X	X	X	X	X	X	X	X	X	X	X
PA1				X	X	X	X	X	X	X			X	X	X
QE1				X	X	X	X	X	X	X	X	X	X	X	X
RI1				X	X	X	X	X	X	X	X	X	X	X	X
SC1	X	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	X	X		X
VA1				X	X	X	X	X	X	X	X		X		X
WA1				X	X	X	X	X	X	X			X	X	X
WA3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WA4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WI1					X	X	X	X	X	X	X		X		
WI2					X	X	X	X	X	X	X		X		

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1994-97

LOCATION	WEAR TOLERANCE	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	FROST TOLERANCE	WINTER COLOR	PERCENT WINTER KILL	THATCH MEASUREMENTS	FUSARIUM PATCH	MELTING OUT SPRING	LEAF SPOT	DOLLAR SPOT	BROWN PATCH	PERCENT TYPHULA
AZ1		X	X	X	X	X				X		X						
CO1		X																
IA1											X						X	
IL1		X		X	X													X
IL2						X	X	X										
KS1		X														X	X	
KY1										X								
KY2																		
MA1						X												
MI1																X	X	
MN1		X	X	X	X	X	X	X			X					X		
MO1	X	X	X	X	X	X	X	X								X	X	
MO2			X	X	X	X	X	X										
MS1							X	X										
NH1			X	X	X										X			
NJ1		X														X	X	X
OK1			X	X	X	X	X	X		X						X	X	
PA1		X	X	X	X			X							X	X	X	
QE1			X	X	X				X			X						
RI1		X														X		
SC1		X														X	X	
TX1		X																
VA1						X										X		
WA1		X											X					
WA3		X	X	X	X					X			X					
WA4		X	X	X	X					X			X	X				
WI1		X													X			
WI2		X													X			

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1994-97

LOCATION	ANTHRACNOSE RATINGS	FALL COLOR NOVEMBER	PERCENT YELLOW PATCH	WINTER DENSITY	COPPER SPOT	FALL AERIFICATION RECOVERY	PYTHIUM ROOT ROT	PERCENT POA ANNUA	POA ANNUA RATING	BLACK TURFGRASS ATAENIUS	SCALPING RATING	DORMANCY UNIFORMITY (DECEMBER)	PERCENT ESTABLISHMENTS 1993 FALL	FAIRY RING RATING	DOLLAR SPOT (APR JUL)
AZ1															
CO1															
IA1															
IL1								X							
IL2															
KS1										X					
KY1															
KY2															
MA1															
MI1															
MN1															
MO1															
MO2															
MS1															
NH1															
NJ1					X						X	X			
OK1	X	X				X		X							
PA1			X				X						X		
QE1															
RI1															
SC1															
TX1														X	X
VA1									X						
WA1															
WA3					X										
WA4					X										
WI1															
WI2															

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1994-97

LOCATION	<u>PERCENT ESTABLISHMENT (94)</u>			WINTER VERDURE RATING	THATCH ASHED DRY WEIGHT	<u>STIMPMETER READINGS</u>			ROOT DEPTH MARCH	ROOT DEPTH JUNE	TILLER COUNTS MARCH	TILLER COUNTS JUNE	DOLLAR SPOT JUNE	DOLLAR SPOT JULY	<u>PERCENT DOLLAR SPOT</u>		<u>BROWN PATCH RATINGS</u>				
	MAR.22	APR.11	MAY 1			AUG	SEP	OCT							MAY	OCTOBER	JUNE	JULY	AUGUST	SEPTEMBER	
AZ1																					
CO1																					
IA1																					
IL1																					
IL2																					
KS1																					
KY1															X	X	X	X	X		
KY2																		X			
MA1																					
MI1																					
MN1																					
MO1																					
MO2																					
MS1																					
NH1																					
NJ1																					
OK1	X	X	X				X	X	X									X	X		X
PA1																					
QE1																					
RI1																					
SC1																					
TX1									X	X	X	X									
VA1																					
WA1																					
WA3				X	X																
WA4				X	X																
WI1													X	X							
WI2																					

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A GREEN AT TWENTY-SEVEN LOCATIONS IN THE U.S. AND CANADA 1/
1994-97 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	AZ1	IA1	IL1	II2	KS1	KY1	KY2	MA1	MI1	MN1	MO1	MO2	MS1	NH1	NJ1	OK1	PA1	QE1	RI1	SC1	TX1	VA1	WA1	WA3	WA4	WI1	WIZ	MEAN
* LOFTS L-93 (L-93)	7.1	6.1	5.5	6.8	6.8	8.0	7.5	6.8	6.8	6.1	7.3	6.9	6.0	5.9	7.4	6.9	7.9	7.1	6.6	5.0	6.7	6.3	6.8	5.7	5.5	6.2	6.6	6.6
* PENN A-4 (A-4)	7.6	6.0	5.3	6.6	6.0	7.7	7.8	5.5	6.6	6.6	7.3	7.3	5.0	6.7	6.5	7.1	7.2	6.8	5.9	5.7	6.8	6.2	7.2	6.0	5.9	6.4	6.6	6.5
* PENN A-1 (A-1)	6.8	6.0	5.3	6.3	6.0	7.8	7.4	6.2	6.2	6.5	7.3	7.2	5.4	5.2	7.1	7.1	7.8	6.9	6.0	6.1	6.7	6.2	6.9	5.9	5.7	6.3	6.4	6.5
* PROVIDENCE	6.7	6.1	5.8	6.3	6.3	7.4	7.6	6.4	6.4	5.8	7.6	7.5	5.3	7.1	6.2	6.4	7.1	6.7	5.7	4.3	6.8	5.8	6.6	5.6	5.5	6.1	6.1	6.3
* PENN G-2 (G-2)	6.7	6.1	5.6	5.7	5.6	7.5	7.4	6.2	6.5	6.5	7.2	7.2	5.0	5.9	6.4	6.4	7.4	6.9	6.3	5.5	6.3	6.0	6.7	5.7	5.5	6.3	6.6	6.3
* CATO	7.3	6.1	5.3	6.0	6.3	7.7	7.1	6.2	6.4	6.1	7.3	7.0	4.9	6.7	6.2	6.5	7.2	7.0	5.7	5.3	6.5	5.9	6.6	5.5	5.7	6.0	6.3	6.3
* PENN G-6 (G-6)	6.3	5.8	5.1	6.0	5.6	7.5	7.0	6.2	6.1	6.3	6.8	7.0	5.4	6.4	6.4	7.1	7.2	6.9	5.7	5.4	6.6	6.2	6.6	5.4	5.1	6.5	6.4	6.3
* SOUTHSORE	6.2	5.7	5.4	6.3	6.2	7.2	6.9	5.7	6.0	5.9	7.2	7.2	5.1	6.4	6.0	6.2	7.1	7.1	5.6	5.1	6.9	5.4	6.6	5.3	5.3	6.0	5.9	6.1
* CENTURY (SYN 92-1)	6.6	5.9	5.2	6.5	5.6	6.9	7.4	6.1	5.8	5.8	7.1	7.3	5.2	5.3	5.4	6.0	6.5	6.9	5.3	4.8	6.6	5.4	6.4	5.7	5.8	5.9	6.1	6.1
* IMPERIAL (SYN 92-5)	6.2	6.0	5.1	6.7	5.3	7.1	7.1	6.1	6.0	5.5	7.1	7.1	4.8	5.1	5.8	6.4	6.8	6.9	5.1	4.6	6.7	5.7	6.3	5.8	5.9	5.9	6.1	6.0
* CRENSHAW	6.7	6.0	5.2	6.3	5.8	7.0	7.5	5.9	5.9	5.4	7.2	7.4	4.9	6.2	4.9	6.4	6.2	6.7	5.0	5.4	6.7	5.3	6.7	4.8	4.8	5.8	6.1	6.0
* SR 1020	6.8	5.9	5.2	5.5	5.3	7.1	7.1	5.6	6.1	5.7	7.0	7.0	5.2	6.4	4.7	6.3	6.0	6.7	4.9	4.7	6.9	5.2	6.5	5.2	5.4	5.9	6.0	5.9
* BAR WS 42102	5.8	5.7	5.2	5.3	6.0	7.3	7.3	6.0	6.2	6.0	7.0	7.0	5.4	5.9	5.3	6.0	6.8	6.9	5.1	3.7	6.4	5.5	6.8	4.9	4.8	6.0	6.2	5.9
* PENNLINKS	5.7	5.7	5.4	5.7	6.2	7.5	6.7	5.9	6.0	5.6	7.7	7.4	4.8	6.0	5.3	6.1	6.4	6.5	5.2	4.7	6.4	5.3	6.2	4.8	4.8	5.9	6.2	5.9
* BACKSPIN (SYN 92-2)	6.0	5.5	5.1	6.7	5.7	6.8	7.3	5.7	5.9	5.7	7.0	7.1	5.5	5.8	5.1	6.0	6.1	6.9	4.9	4.7	6.3	5.5	6.2	5.4	5.3	5.7	5.8	5.9
DG-P	5.5	5.4	4.8	6.2	5.8	7.4	6.5	5.9	5.6	5.4	7.1	7.1	5.1	5.8	5.2	6.1	6.4	6.7	5.1	3.8	6.6	5.1	6.2	5.1	.	5.9	5.8	5.8
* ISI-AP-89150	5.9	5.7	4.8	5.5	5.9	7.4	6.6	5.6	5.9	5.9	7.4	7.2	4.8	5.6	5.2	5.8	6.4	6.8	5.2	3.9	6.7	5.1	6.4	5.0	5.1	5.7	5.8	5.8
* REGENT	6.1	5.7	4.8	5.9	6.1	7.0	6.8	5.8	5.8	5.5	7.2	7.3	5.1	6.2	5.5	5.9	5.8	6.4	4.8	4.1	7.0	5.0	6.3	4.7	4.5	5.9	5.8	5.8
MSUEB	5.6	5.5	5.1	5.8	6.0	7.1	7.0	5.6	6.0	5.5	7.6	7.2	5.5	5.3	5.5	6.0	6.2	6.3	4.8	5.0	6.3	5.2	6.2	4.4	3.8	5.7	5.8	5.8
* PRO/CUP	5.6	5.4	5.2	5.5	6.1	7.0	7.1	5.5	5.6	5.4	7.1	7.1	5.4	6.0	5.0	6.1	5.6	5.7	4.8	3.5	6.6	5.0	6.3	4.9	4.6	5.8	5.9	5.7
* TRUELINE	5.4	5.4	5.0	4.8	6.0	7.0	6.9	5.4	5.5	5.7	7.5	7.1	5.1	6.3	4.7	6.0	5.6	6.7	4.9	3.4	6.5	5.2	6.2	4.6	4.3	5.8	5.8	5.7
* LOPEZ	5.6	5.4	5.1	5.0	5.7	7.3	6.5	5.7	5.8	5.5	7.6	7.1	5.2	5.6	4.6	6.1	5.7	6.2	4.9	3.1	6.6	5.0	6.3	4.6	4.6	5.6	5.7	5.6
* 18TH GREEN	5.5	5.7	4.3	4.3	5.0	6.5	7.4	5.4	5.4	5.3	7.3	7.3	4.5	7.2	4.0	5.9	5.3	6.9	3.9	3.9	6.5	5.1	6.2	4.5	4.5	5.6	5.9	5.5
* PENNCROSS	5.3	5.5	5.1	5.3	5.8	6.9	7.0	5.1	5.8	5.3	7.3	7.1	5.2	6.2	3.9	5.6	5.3	6.1	4.0	3.6	6.5	4.8	6.0	4.5	4.7	5.4	5.5	5.5
* MARINER (SYN-1-88)	5.4	5.1	5.2	5.1	5.4	6.9	7.1	5.4	5.5	5.3	7.1	7.1	4.8	5.0	4.0	5.6	5.2	6.4	4.4	4.2	6.6	4.8	5.8	4.5	4.5	5.5	5.6	5.5
* TENDENZ	4.1	4.0	3.6	4.8	5.0	4.6	4.8	4.6	4.9	6.5	6.1	6.8	4.7	5.9	2.7	3.1	3.4	6.0	2.9	2.3	6.5	4.4	5.1	3.9	3.4	4.9	4.9	4.6
BAR AS 492	3.7	4.4	3.8	3.7	5.8	4.1	4.6	4.1	4.7	5.3	6.0	7.0	4.4	2.7	3.0	3.2	2.9	5.8	3.8	2.7	6.1	4.7	5.3	4.3	3.1	5.5	5.6	4.5
* SEASIDE	4.2	4.3	4.0	3.0	5.2	5.6	5.3	4.1	4.6	5.0	5.9	7.0	4.7	3.6	2.3	4.5	3.2	5.3	3.4	2.9	6.5	3.9	4.9	3.5	2.8	4.6	5.1	4.4
LSD VALUE	0.5	0.5	0.5	0.9	0.7	0.3	0.5	0.6	0.6	0.8	0.5	0.6	0.8	0.4	0.6	0.6	0.7	0.8	0.7	0.5	0.4	0.5	0.4	0.4	0.4	0.9	0.7	0.1
C.V. (%)	9.9	11.4	12.2	20.3	13.3	5.8	6.5	12.2	11.9	17.0	7.5	5.4	13.6	4.6	14.2	12.9	12.2	13.6	16.3	12.2	7.6	9.6	8.4	8.1	6.5	15.8	13.3	12.0

* COMMERCIALY AVAILABLE IN THE USA IN 1998.

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/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS FOR EACH MONTH GROWN ON A GREEN AT TWENTY-SEVEN LOCATIONS IN THE U.S. AND CANADA 1/ 1994-97 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
LOFTS L-93 (L-93)	5.5	5.6	6.4	6.3	6.4	6.7	6.7	7.0	6.9	6.9	6.3	5.3	6.6
PENN A-4 (A-4)	6.0	6.4	6.4	6.2	6.3	6.7	6.6	6.7	6.7	6.8	6.3	5.8	6.5
PENN A-1 (A-1)	5.4	5.8	6.2	6.3	6.4	6.5	6.6	6.7	6.9	6.9	6.5	5.6	6.5
PENN G-2 (G-2)	5.3	5.4	6.0	5.9	6.2	6.4	6.4	6.4	6.7	6.8	6.2	5.7	6.3
CATO	5.2	5.6	6.3	6.0	6.2	6.5	6.5	6.6	6.6	6.5	5.9	5.1	6.3
PROVIDENCE	5.4	5.7	6.2	6.2	6.2	6.5	6.3	6.4	6.5	6.4	6.0	5.1	6.3
PENN G-6 (G-6)	4.7	5.4	6.0	5.9	6.1	6.4	6.4	6.5	6.5	6.6	6.0	5.1	6.3
SOUTHSHORE	5.2	5.8	6.1	6.0	6.1	6.4	6.2	6.2	6.3	6.2	5.8	5.0	6.1
IMPERIAL (SYN 92-5)	5.1	5.6	6.3	5.9	6.0	6.2	6.1	6.2	6.2	6.2	5.6	5.1	6.0
CENTURY (SYN 92-1)	5.3	5.9	6.3	5.9	6.0	6.3	6.2	6.2	6.1	6.0	5.6	4.9	6.0
CRENSHAW	4.7	4.9	6.1	5.5	5.8	6.2	6.2	6.4	6.2	6.1	5.6	4.4	6.0
BAR WS 42102	4.3	4.9	5.5	5.7	6.0	6.3	6.1	6.1	6.1	6.0	5.1	4.1	5.9
SR 1020	5.2	5.6	6.1	5.6	5.7	6.0	6.0	6.1	6.1	6.1	5.9	5.2	5.9
PENNLINKS	4.8	5.1	5.9	5.6	5.8	6.0	5.9	6.1	6.2	6.1	5.5	4.8	5.9
BACKSPIN (SYN 92-2)	4.8	5.4	6.0	5.7	5.9	6.1	6.0	6.1	6.0	5.9	5.3	4.7	5.9
ISI-AP-89150	4.9	5.4	5.9	5.4	5.7	6.0	5.7	5.9	6.1	6.0	5.6	4.8	5.8
DG-P	5.0	5.2	5.7	5.5	5.5	5.8	5.9	6.0	6.1	6.0	5.6	5.0	5.8
REGENT	5.1	5.3	5.9	5.3	5.6	5.8	5.8	6.0	6.0	6.0	5.6	4.9	5.8
MSUEB	4.9	5.1	5.6	5.5	5.6	5.8	5.8	5.9	6.1	5.9	5.4	4.8	5.8
PRO/CUP	4.6	5.0	5.9	5.4	5.6	5.8	5.7	5.9	5.8	5.8	5.2	4.5	5.7
LOEZ	4.5	4.7	5.4	5.3	5.4	5.7	5.8	5.9	5.9	5.9	5.0	4.4	5.6
TRUELINE	4.2	4.8	5.7	5.3	5.4	5.7	5.7	5.8	5.9	5.8	5.3	4.2	5.6
PENNCROSS	4.6	5.0	5.6	5.3	5.3	5.5	5.4	5.5	5.6	5.6	5.1	4.4	5.4
18TH GREEN	4.1	4.6	5.4	5.1	5.4	5.7	5.7	5.8	5.5	5.3	4.6	4.0	5.4
MARINER (SYN-1-88)	4.9	5.0	5.7	5.1	5.3	5.5	5.4	5.6	5.7	5.6	5.2	4.7	5.4
TENDENZ	4.0	4.1	4.6	4.3	4.3	4.6	4.3	4.4	4.8	4.6	4.2	3.7	4.5
BAR AS 492	4.1	4.2	4.1	4.0	4.3	4.3	4.3	4.6	4.9	4.6	4.5	3.9	4.4
SEASIDE	4.4	4.3	4.8	4.1	4.2	4.3	4.2	4.4	4.7	4.4	4.3	3.9	4.4
LSD VALUE	0.8	0.6	0.5	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.4	0.6	0.2
C.V. (%)	36.6	28.2	24.5	26.1	24.5	22.3	23.2	23.0	23.2	22.7	27.2	35.3	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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN
ON GREEN AT TWENTY-SEVEN LOCATIONS IN THE U.S. AND CANADA 1/
1994-97 DATA

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

NAME	AZ1	IA1	IL1	IL2	KS1	KY1	KY2	MA1	MI1	MN1	MO1	MO2	MS1	NH1	NJ1	OK1	PA1	QE1	RI1	SC1	TX1	VA1	WA1	WA3	WA4	WI1	WI2	MEAN
LOFTS L-93 (L-93)	3	3.0	3.0	1	1.0	1.0	4.0	1.0	1	6	11.0	27.0	1.0	15.5	1	4	1	2	1.0	9	10	1	4.0	4	6.0	5	1	1
PENN A-4 (A-4)	1	8.0	8.0	4	9.0	3.0	1.0	20.0	2	1	10.0	5.0	18.0	3.5	3	1	4	13	4.0	2	5	2	1.0	1	1.0	2	2	2
PENN A-1 (A-1)	4	7.0	7.0	8	8.0	2.0	7.0	5.0	6	2	12.0	11.5	4.0	24.0	2	3	2	8	3.0	1	6	3	2.0	2	5.0	3	4	3
PROVIDENCE	6	2.0	1.0	9	2.0	9.0	2.0	2.0	5	11	4.0	1.0	8.0	2.0	7	6	7	16	6.0	15	4	7	9.0	7	8.0	6	9	4
PENN G-2 (G-2)	8	1.0	2.0	16	21.0	6.0	7.0	3.0	3	3	14.0	8.5	17.0	15.5	5	8	3	5	2.0	3	27	5	5.0	5	7.0	4	3	5
CATO	2	4.0	6.0	11	3.0	4.0	11.5	6.0	4	7	7.5	21.5	19.0	3.5	6	5	5	3	7.0	6	21	6	7.0	8	4.0	9	6	6
PENN G-6 (G-6)	10	11.0	15.0	12	22.0	5.0	18.0	4.0	8	5	25.0	23.5	5.0	5.0	4	2	6	6	5.0	5	12	4	10.0	9	13.0	1	5	7
SOUTHSHORE	11	15.0	5.0	7	4.0	13.0	19.0	15.0	10	9	15.0	8.5	14.0	6.5	8	11	8	1	8.0	7	2	11	8.0	11	11.0	7	14	8
CENTURY (SYN 92-1)	9	9.0	9.0	5	20.0	22.5	7.0	7.0	18	12	18.0	5.0	12.0	22.5	12	16	11	11	9.0	10	16	12	12.0	6	3.0	14	11	9
IMPERIAL (SYN 92-5)	12	5.0	18.5	3	25.0	14.0	13.5	8.0	11	17	19.0	17.5	21.5	25.0	9	9	10	4	12.5	14	7	8	17.0	3	2.0	13	12	10
CRENSHAW	7	6.0	11.0	6	17.0	17.0	3.0	10.0	15	21	13.0	2.0	20.0	10.0	19	7	16	17	15.0	4	9	14	6.0	18	14.0	17	10	11
SR 1020	5	10.0	10.0	18	24.0	15.0	11.5	17.0	9	14	22.0	23.5	10.0	6.5	20	10	18	18	19.0	13	3	17	11.0	12	9.0	15	13	12
BAR WS 42102	16	17.0	12.0	20	10.0	12.0	9.5	9.0	7	8	24.0	25.5	7.0	15.5	13	17	9	10	12.5	21	24	9	3.0	16	15.0	8	7	13
PENNLINKS	17	14.0	4.0	15	5.0	7.0	22.0	12.0	12	16	1.0	3.0	21.5	12.5	14	14	13	19	10.0	11	23	13	23.0	17	16.0	11	8	14
BACKSPIN (SYN 92-2)	14	18.0	18.5	2	18.0	24.0	9.5	14.0	16	15	23.0	17.5	3.0	18.5	17	20	17	9	16.0	12	25	10	19.0	10	10.0	20	19	15
DG-P	21	24.0	23.0	10	16.0	10.0	24.0	11.0	21	23	17.0	17.5	16.0	18.5	15	15	14	15	14.0	20	13	18	18.0	13	.	12	22	16
ISI-AP-89150	15	16.0	22.0	17	13.0	8.0	23.0	18.0	14	10	6.0	11.5	24.0	20.5	16	23	12	12	11.0	19	8	19	13.0	14	12.0	19	21	17
REGENT	13	13.0	24.0	13	6.5	20.0	21.0	13.0	19	20	16.0	5.0	13.0	10.0	11	22	19	20	21.0	17	1	22	15.5	19	21.5	10	18	18
MSUEB	19	20.0	16.0	14	12.0	16.0	16.5	19.0	13	19	2.0	10.0	2.0	22.5	10	19	15	22	20.0	8	26	15	22.0	25	24.0	21	17	19
PRO/CUP	20	21.5	13.0	19	6.5	18.0	13.5	21.0	22	22	20.0	13.0	6.0	12.5	18	13	22	27	22.0	23	14	21	14.0	15	19.0	18	16	20
TRUELINE	24	23.0	21.0	24	11.0	19.0	20.0	22.0	23	13	5.0	17.5	15.0	8.0	21	18	21	14	17.0	24	22	16	20.0	20	23.0	16	20	21
LOPEZ	18	21.5	17.0	23	19.0	11.0	25.0	16.0	17	18	3.0	17.5	11.0	20.5	22	12	20	23	18.0	25	15	23	15.5	21	18.0	23	23	22
18TH GREEN	22	12.0	25.0	26	27.0	25.0	5.0	23.0	25	26	9.0	7.0	27.0	1.0	23	21	23	7	25.0	18	17	20	21.0	23	21.5	22	15	23
PENNCROSS	25	19.0	20.0	21	14.5	22.5	16.5	25.0	20	25	7.5	17.5	9.0	10.0	25	25	24	24	24.0	22	18	25	24.0	24	17.0	26	26	24
MARINER (SYN-1-88)	23	25.0	14.0	22	23.0	21.0	15.0	24.0	24	24	21.0	14.0	23.0	26.0	24	24	25	21	23.0	16	11	24	25.0	22	20.0	24	25	25
TENDENZ	27	28.0	28.0	25	28.0	27.0	27.0	26.0	26	4	26.0	28.0	25.0	15.5	27	28	26	25	28.0	28	20	27	27.0	27	25.0	27	28	26
BAR AS 492	28	26.0	27.0	27	14.5	28.0	28.0	27.5	27	27	27.0	21.5	28.0	28.0	26	27	28	26	26.0	27	28	26	26.0	26	26.0	25	24	27
SEASIDE	26	27.0	26.0	28	26.0	26.0	26.0	27.5	28	28	28.0	25.5	26.0	27.0	28	26	27	28	27.0	26	19	28	28.0	28	27.0	28	27	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. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN FOR EACH YEAR IN THE U.S. AND CANADA 1/
1994-97 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	1994	1995	1996	1997	1994-97
LOFTS L-93 (L-93)	6.6	6.4	6.6	6.6	6.6
PENN A-4 (A-4)	6.8	6.0	6.5	6.5	6.5
PENN A-1 (A-1)	6.5	6.1	6.5	6.6	6.5
PROVIDENCE	6.6	5.9	6.3	6.2	6.3
PENN G-2 (G-2)	6.3	6.0	6.3	6.4	6.3
CATO	6.5	6.0	6.3	6.2	6.3
PENN G-6 (G-6)	6.4	5.9	6.2	6.4	6.3
SOUTHSHORE	6.3	5.8	6.1	6.0	6.1
CENTURY (SYN 92-1)	6.3	5.6	6.1	5.9	6.1
IMPERIAL (SYN 92-5)	6.2	5.6	6.1	5.9	6.0
CRENSHAW	6.5	5.5	5.8	5.8	6.0
SR 1020	6.1	5.5	5.9	5.9	5.9
BAR WS 42102	6.0	5.5	6.0	5.9	5.9
PENNLINKS	6.0	5.6	5.9	5.8	5.9
BACKSPIN (SYN 92-2)	6.1	5.5	5.9	5.7	5.9
DG-P	5.8	5.5	5.9	5.8	5.8
ISI-AP-89150	5.9	5.5	5.8	5.8	5.8
REGENT	6.0	5.3	5.8	5.9	5.8
MSUEB	5.9	5.4	5.7	5.7	5.8
PRO/CUP	5.8	5.2	5.7	5.5	5.7
TRUELINE	5.8	5.2	5.7	5.6	5.7
LOPEZ	5.8	5.4	5.7	5.5	5.6
18TH GREEN	5.9	5.0	5.3	5.1	5.5
PENNCROSS	5.7	5.1	5.4	5.2	5.5
MARINER (SYN-1-88)	5.5	5.1	5.4	5.4	5.5
TENDENZ	4.9	4.1	4.3	4.6	4.6
BAR AS 492	4.5	4.3	4.4	4.8	4.5
SEASIDE	4.6	4.0	4.6	4.3	4.4
LSD VALUE	0.2	0.1	0.2	0.2	0.1
C.V. (%)	8.5	8.4	8.1	8.3	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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 5. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN FOR EACH YEAR IN THE U.S. AND CANADA 1/
1994-97 DATA

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

NAME	1994	1995	1996	1997	1994-97
LOFTS L-93 (L-93)	2	1	1	2	1
PENN A-4 (A-4)	1	4	3	3	2
PENN A-1 (A-1)	4	2	2	1	3
PENN G-2 (G-2)	8	3	4	4	5
CATO	6	5	5	6	6
PROVIDENCE	3	6	6	7	4
PENN G-6 (G-6)	7	7	7	5	7
SOUTHSHORE	9	8	8	8	8
IMPERIAL (SYN 92-5)	11	9	10	9	10
CENTURY (SYN 92-1)	10	10	9	11	9
CRENSHAW	5	12	16	15	11
BAR WS 42102	14	13	11	13	13
SR 1020	13	14	15	10	12
PENNLINKS	15	11	13	14	14
BACKSPIN (SYN 92-2)	12	16	12	19	15
ISI-AP-89150	17	17	17	16	17
REGENT	16	20	18	12	18
DG-P	22	15	14	17	16
MSUEB	18	18	21	18	19
PRO/CUP	20	21	19	21	20
TRUELINE	23	22	20	20	21
LOPEZ	21	19	22	22	22
PENNCROSS	24	24	24	24	24
MARINER (SYN-1-88)	25	23	23	23	25
18TH GREEN	19	25	25	25	23
BAR AS 492	28	26	27	26	27
TENDENZ	26	27	28	27	26
SEASIDE	27	28	26	28	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 6.

GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1994-97 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/

NAME	AZ1	IA1	IL1	IL2	KS1	KY1	KY2	MA1	MI1	MN1	MO1	MO2	MS1	NH1	NJ1	OK1	PA1	QE1	RI1	SC1	TX1	VA1	WA1	WA3	WA4	WI1	WI2	MEAN
18TH GREEN	6.6	7.3	6.7	5.3	7.8	7.6	9.0	6.3	5.4	6.2	8.8	7.0	6.2	8.0	7.9	7.9	8.9	8.3	8.6	7.7	7.3	7.3	7.7	8.5	7.7	6.2	7.3	7.4
CATO	6.8	7.3	7.3	6.1	7.6	7.7	7.3	6.3	6.0	6.8	8.2	7.0	5.5	7.3	7.0	7.5	6.7	8.0	7.9	7.7	7.4	7.0	7.7	8.0	7.2	6.2	6.9	7.1
LOFTS L-93 (L-93)	7.4	7.0	7.0	6.9	7.7	8.2	7.0	6.4	6.2	6.6	7.5	7.3	6.7	5.0	7.8	8.1	6.6	7.8	7.6	6.7	7.3	7.3	7.4	7.8	7.3	6.4	7.1	7.1
PROVIDENCE	6.8	7.2	7.3	6.0	7.7	7.3	6.3	6.3	6.2	6.3	8.3	7.7	6.0	7.0	6.7	8.1	6.3	7.7	7.8	7.0	7.7	6.3	7.5	8.2	7.7	6.3	6.9	7.1
CRENSHAW	7.2	7.0	7.2	7.3	7.7	7.2	7.0	5.9	5.9	6.5	8.0	7.0	5.0	5.0	6.6	7.8	6.8	7.6	6.9	7.5	7.4	6.7	7.4	8.0	7.3	6.3	6.8	6.9
ISI-AP-89150	6.5	7.2	7.1	6.3	7.3	7.8	7.0	6.3	6.3	6.3	8.0	7.0	5.8	5.0	5.3	7.8	6.9	8.0	6.9	7.0	7.4	6.3	7.3	7.7	7.3	6.2	6.6	6.8
PENN A-4 (A-4)	7.6	7.1	6.8	5.7	7.4	7.9	5.0	5.7	6.0	6.3	7.5	7.3	5.8	6.7	6.4	8.0	6.4	7.8	6.4	5.7	7.8	7.0	7.8	6.5	6.2	6.4	7.2	6.8
DG-P	6.8	6.6	6.9	5.8	7.6	7.6	7.0	5.9	6.0	5.9	7.5	7.7	5.8	6.3	5.4	7.3	6.8	8.1	5.8	6.3	7.4	6.3	7.1	7.5	.	6.1	6.6	6.7
SOUTHSHORE	5.8	6.8	6.6	5.6	7.1	7.0	6.3	5.3	5.9	6.0	7.7	7.3	6.0	6.0	5.6	7.3	6.0	7.9	7.0	6.8	7.7	6.7	7.3	7.2	7.0	6.3	6.9	6.6
PENN A-1 (A-1)	6.1	7.3	6.8	5.4	7.4	7.6	6.3	5.9	5.9	6.3	7.3	7.0	6.2	4.0	7.0	7.4	6.4	7.6	6.9	6.8	7.4	6.3	7.2	7.2	6.2	6.4	7.0	6.6
PENN G-6 (G-6)	6.3	6.6	6.4	5.7	7.0	7.8	6.3	6.1	6.1	6.1	7.5	7.0	5.5	6.3	5.9	7.0	5.3	8.1	7.0	7.0	7.3	6.7	6.9	6.8	6.3	6.6	6.7	6.6
REGENT	6.3	6.1	6.7	6.2	6.9	6.8	7.3	5.9	6.2	5.8	7.7	7.3	5.8	6.3	6.3	7.3	6.3	7.2	5.3	6.7	7.1	6.0	7.2	6.8	6.5	6.2	6.7	6.6
PENN G-2 (G-2)	5.5	7.2	6.7	6.2	7.4	7.8	6.3	6.3	6.3	6.1	7.5	7.0	5.6	5.0	5.2	6.5	5.1	7.6	6.5	6.2	7.2	7.0	7.0	6.7	6.8	6.6	7.1	6.5
TRUELINE	5.8	6.4	6.1	6.2	7.3	7.4	6.7	5.6	5.7	6.0	8.2	7.3	6.2	5.0	5.3	7.2	5.7	7.8	5.0	6.7	7.7	6.7	7.3	7.7	7.0	6.6	7.3	6.5
BAR WS 42102	5.6	6.6	6.9	5.7	7.2	7.6	9.0	5.4	6.2	6.1	7.3	7.3	5.7	5.0	4.2	7.4	5.4	6.7	5.8	6.0	7.1	6.3	7.1	6.8	6.5	6.2	6.7	6.4
SR 1020	6.6	6.9	6.4	5.2	6.9	7.3	6.0	5.4	5.8	5.8	7.3	7.3	5.8	6.0	4.9	6.8	6.0	7.4	6.0	6.5	6.9	5.7	7.4	6.8	6.5	6.4	6.7	6.4
IMPERIAL (SYN 92-5)	5.8	7.3	6.6	5.6	7.1	7.1	7.0	5.8	5.6	5.9	8.0	7.0	5.3	6.0	5.1	7.3	5.7	7.6	6.1	5.7	7.7	5.3	6.9	6.3	6.3	6.3	6.3	6.4
CENTURY (SYN 92-1)	5.6	6.6	6.4	5.0	7.1	7.0	6.3	5.9	6.0	5.7	7.2	7.0	5.3	6.7	4.6	6.8	5.2	7.7	6.8	6.3	7.9	5.3	6.7	6.8	6.2	6.4	6.8	6.3
MSUEB	5.8	6.0	6.8	5.9	7.0	7.4	6.3	5.6	6.1	5.7	7.7	7.0	5.8	5.0	4.6	6.9	5.3	7.2	4.9	6.8	7.4	6.0	7.0	7.2	6.8	5.9	6.8	6.3
PRO/CUP	5.7	6.4	6.2	5.6	7.1	7.0	6.3	5.4	5.8	6.1	7.3	7.3	5.5	5.3	4.7	7.2	5.6	7.4	5.8	6.3	6.6	6.0	7.0	7.2	6.5	6.1	6.4	6.3
LOPEZ	5.8	6.1	6.1	4.1	7.1	7.5	6.0	5.8	5.8	6.1	8.2	7.0	6.0	5.0	4.3	7.1	5.6	7.0	5.3	6.7	7.3	6.0	7.2	7.7	6.5	6.0	6.2	6.3
PENNLINKS	5.5	6.8	6.4	5.4	6.9	7.6	5.3	5.8	6.3	6.0	7.7	7.0	5.5	5.0	4.1	6.9	4.9	7.7	4.9	6.8	7.7	5.7	6.9	6.5	6.0	6.1	6.4	6.2
PENNCROSS	6.0	6.4	6.3	5.1	7.2	7.3	6.0	5.2	5.6	5.7	7.8	7.3	5.7	4.3	4.2	7.2	5.6	6.9	5.3	6.5	7.3	5.0	6.8	6.8	6.7	5.9	6.2	6.2
BACKSPIN (SYN 92-2)	5.3	6.7	5.9	5.2	6.6	6.8	5.3	5.7	5.9	5.8	7.2	6.7	5.2	6.0	3.4	6.3	4.7	7.6	5.5	6.3	6.8	5.3	6.7	6.3	5.7	6.0	6.6	6.0
MARINER (SYN-1-88)	5.1	6.0	6.3	4.1	7.1	6.8	6.0	4.9	5.3	6.2	7.2	7.0	5.3	6.0	3.3	6.8	4.6	7.0	5.2	6.2	7.1	5.7	6.6	5.8	5.3	6.2	6.3	5.9
BAR AS 492	4.9	6.0	5.7	6.3	7.0	4.7	5.0	5.1	5.1	5.6	6.8	6.7	4.2	4.0	3.1	5.2	5.8	6.0	3.6	6.7	7.1	5.7	6.3	6.0	5.5	6.2	6.7	5.6
TENDENZ	5.2	5.3	5.6	4.3	6.9	4.9	4.3	5.3	4.8	6.3	7.0	7.0	4.8	5.0	2.7	5.7	6.3	6.6	3.3	8.3	7.0	5.0	6.3	5.3	4.3	6.1	6.2	5.6
SEASIDE	4.7	5.7	6.1	3.2	7.0	5.1	4.0	4.2	5.2	5.8	6.7	7.0	5.2	4.3	2.0	4.7	2.7	6.2	3.2	3.3	7.9	4.0	5.9	5.5	4.7	5.4	5.9	5.0
LSD VALUE	0.5	0.7	1.0	1.8	0.5	0.8	1.2	1.2	0.6	0.6	0.9	0.6	0.8	0.7	0.9	0.8	0.7	1.1	0.5	0.8	0.7	0.9	0.7	0.8	0.9	1.2	1.0	0.2
C.V. (%)	9.3	11.8	16.2	35.7	7.9	13.2	11.4	22.1	11.0	13.3	10.7	5.5	11.9	8.3	18.7	13.8	13.8	15.3	9.6	11.3	9.8	9.3	12.0	10.1	12.1	20.9	16.3	14.6

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 7.

SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1994-97 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/

NAME	AZ1	IA1	IL1	KS1	KY1	MA1	MI1	MN1	MO1	NJ1	OK1	PA1	QE1	RI1	SC1	WA1	WA3	WA4	MEAN
SOUTHSHORE	5.8	6.5	6.3	6.3	7.5	4.4	5.7	5.2	7.3	6.7	4.6	5.7	6.3	4.9	7.0	7.2	6.3	7.5	6.2
TENDENZ	5.8	6.5	6.0	5.0	6.7	6.0	5.2	.	7.0	5.0	6.0	6.0	4.7	6.0	8.7	6.3	6.0	7.7	6.1
PROVIDENCE	6.7	6.2	6.5	6.0	7.0	5.0	5.7	5.3	7.7	6.3	4.4	5.8	6.7	4.2	6.7	5.8	6.2	6.8	6.1
LOFTS L-93 (L-93)	6.8	6.7	6.3	6.3	7.0	4.9	6.0	5.2	6.8	5.7	4.8	5.7	4.7	4.7	7.0	5.8	6.3	6.8	6.0
CENTURY (SYN 92-1)	5.7	6.0	5.6	6.3	7.7	4.4	5.8	4.8	7.5	6.7	4.9	5.2	6.3	4.6	6.2	6.0	6.3	6.8	5.9
PENN G-6 (G-6)	6.6	6.0	6.3	5.7	7.3	4.4	5.7	5.8	7.0	6.0	4.6	4.8	6.3	4.7	6.8	6.4	5.5	5.8	5.9
CATO	6.3	6.3	5.9	6.0	6.8	5.0	5.7	5.6	7.7	3.7	4.4	5.5	5.7	4.6	7.7	6.4	6.0	6.3	5.9
ISI-AP-89150	6.6	6.5	6.6	5.7	7.5	4.8	6.0	5.3	8.3	4.7	4.9	5.3	6.3	4.3	5.7	6.6	5.0	5.5	5.9
PENN A-4 (A-4)	7.1	6.0	6.5	7.0	7.0	4.6	5.2	5.0	7.5	4.0	5.9	3.8	6.7	4.0	6.0	5.9	6.5	6.8	5.9
BACKSPIN (SYN 92-2)	5.3	5.5	6.1	6.3	7.8	4.6	5.3	5.6	7.0	4.3	5.0	5.5	5.7	6.8	6.0	6.0	5.5	6.7	5.8
IMPERIAL (SYN 92-5)	5.3	6.5	6.5	5.7	8.5	5.0	6.0	4.9	7.3	4.7	4.9	5.0	5.3	5.2	5.8	5.6	5.7	7.0	5.8
PENN G-2 (G-2)	5.7	6.8	6.1	6.0	7.3	4.4	5.8	5.9	7.2	7.3	4.8	4.3	5.7	3.6	7.0	5.8	5.3	5.7	5.8
DG-P	6.2	5.8	6.6	4.7	7.8	4.9	6.0	5.1	7.7	3.7	4.9	5.8	6.7	4.4	5.2	6.4	5.7	.	5.7
PENN A-1 (A-1)	6.0	6.5	6.0	6.3	7.3	4.4	5.5	5.0	7.2	6.0	4.4	3.5	5.7	4.4	6.0	6.1	5.7	6.2	5.7
REGENT	5.7	6.2	6.5	5.7	6.7	5.4	5.5	5.2	7.3	6.0	4.8	5.0	5.7	5.3	4.3	6.0	4.3	6.7	5.7
CRENSHAW	6.4	6.5	6.0	6.0	6.8	5.0	5.3	4.6	7.5	5.0	4.1	3.8	7.3	4.2	6.2	6.3	4.2	5.7	5.6
PENNLINKS	5.2	6.5	5.9	5.3	7.0	5.0	5.3	5.3	7.3	4.7	4.8	4.7	6.0	4.7	6.2	5.9	5.2	5.8	5.6
PENNCROSS	5.9	6.0	5.8	5.0	7.0	5.1	5.5	5.6	7.0	3.0	4.1	4.8	5.3	3.8	7.0	6.3	6.0	6.2	5.5
TRUELINE	5.6	6.5	6.3	6.0	7.5	4.7	5.7	4.8	7.7	1.7	4.1	5.2	5.7	3.6	6.8	6.3	6.2	5.0	5.5
SR 1020	6.0	6.0	5.7	6.0	7.5	4.4	5.2	4.9	7.2	4.0	4.2	4.2	5.7	4.4	6.0	5.9	5.7	6.2	5.5
PRO/CUP	5.7	6.2	6.2	5.7	6.3	4.8	5.3	5.4	7.0	3.3	4.3	4.5	6.7	4.1	6.7	6.7	4.7	5.2	5.5
MSUEB	6.0	6.2	5.7	4.7	7.0	5.2	6.0	5.1	7.3	4.3	4.1	4.8	5.3	4.1	5.3	6.6	5.5	5.0	5.5
LOPEZ	5.7	5.7	6.3	5.0	7.2	4.9	5.8	5.2	7.8	2.0	4.4	5.0	6.0	4.3	5.5	6.1	5.2	5.5	5.4
18TH GREEN	5.6	6.5	5.3	6.0	5.5	4.6	6.0	4.9	8.0	4.3	2.9	2.0	6.7	3.0	7.8	5.0	6.0	6.7	5.4
MARINER (SYN-1-88)	4.9	6.5	6.0	5.0	6.7	4.9	5.5	5.0	7.2	3.7	4.4	4.2	5.3	3.9	4.5	6.7	5.0	5.8	5.3
BAR AS 492	5.3	6.2	5.8	6.0	6.2	5.1	5.0	5.3	6.7	7.3	6.0	4.2	1.3	4.3	4.2	5.6	5.0	4.2	5.2
BAR WS 42102	5.6	6.2	5.6	6.3	7.2	4.2	5.7	5.2	7.0	4.3	3.6	3.7	5.7	2.4	6.7	5.3	3.8	4.5	5.2
SEASIDE	4.7	5.7	6.3	4.0	6.0	5.2	5.0	5.0	6.3	3.0	3.4	3.3	4.7	4.9	3.2	5.4	5.5	5.2	4.8
LSD VALUE	1.0	0.9	0.7	1.2	1.0	1.8	0.8	0.8	0.8	2.3	0.9	1.4	1.4	0.9	0.5	1.2	1.8	2.0	0.3
C.V. (%)	17.8	12.2	14.3	13.1	12.2	39.4	12.9	17.4	10.1	30.7	19.3	26.2	15.0	22.8	6.7	20.4	29.3	29.1	20.1

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 8.

LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1994-97 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/

NAME	AZ1	IA1	IL1	II2	KS1	KY1	KY2	MI1	MN1	MO1	MO2	MS1	NJ1	OK1	PA1	QE1	RI1	SC1	TX1	VA1	WA1	WA3	WA4	MEAN
PENN A-1 (A-1)	7.7	7.6	8.0	7.2	8.3	8.6	8.7	6.0	7.1	7.8	8.0	6.3	8.7	9.0	8.3	6.7	7.0	7.3	8.6	7.3	8.1	8.7	7.3	7.8
PENN A-4 (A-4)	8.2	7.3	8.3	6.4	8.7	8.5	9.0	5.9	7.2	7.0	8.0	6.3	8.0	8.9	8.3	7.7	7.3	6.2	8.4	7.2	8.3	8.3	7.7	7.7
PENN G-2 (G-2)	7.7	7.7	8.3	5.9	8.0	8.3	9.0	6.2	6.9	8.2	7.7	6.0	8.7	8.8	7.3	7.3	7.3	6.8	8.7	6.5	8.0	8.7	8.5	7.7
CENTURY (SYN 92-1)	7.8	7.7	8.3	7.9	8.8	7.7	9.0	5.8	6.4	7.7	8.0	6.7	6.8	8.5	7.7	7.7	7.3	5.5	8.7	7.3	8.1	8.3	8.5	7.7
PENN G-6 (G-6)	7.0	6.9	8.1	6.0	8.5	8.4	9.0	5.7	6.8	7.5	8.0	6.7	7.7	8.8	7.8	7.4	7.3	6.2	8.7	7.2	8.1	8.2	7.8	7.6
BAR WS 42102	7.6	7.6	8.1	6.8	8.3	8.3	9.0	5.8	6.8	7.5	7.7	5.5	7.0	8.3	7.2	7.2	7.0	4.2	8.7	6.2	8.1	8.3	8.3	7.4
LOFTS L-93 (L-93)	7.3	6.6	8.0	6.1	8.3	8.0	8.7	5.3	6.1	7.0	8.0	6.0	7.5	8.6	7.5	7.3	6.8	5.7	8.8	6.7	8.0	8.2	8.0	7.3
SOUTHSHORE	6.8	6.9	8.0	7.4	8.2	8.1	9.0	5.7	6.3	7.5	7.7	6.5	6.5	7.7	7.2	7.1	7.0	5.5	8.7	5.8	7.8	8.5	7.8	7.3
CATO	7.3	6.9	8.2	7.4	8.5	8.6	9.0	5.8	6.4	7.7	6.7	5.7	6.8	8.0	7.2	7.3	6.8	5.2	8.3	6.5	7.9	7.5	7.8	7.3
IMPERIAL (SYN 92-5)	7.3	7.4	7.8	6.3	7.8	7.9	9.0	5.3	6.2	7.8	8.0	5.8	7.0	8.2	7.2	7.4	6.8	5.2	7.2	6.7	8.1	7.8	8.5	7.3
BACKSPIN (SYN 92-2)	7.1	7.1	8.1	8.0	8.0	7.5	9.0	5.3	6.0	7.2	8.0	6.0	6.3	8.2	7.2	7.1	7.1	5.0	8.2	6.5	7.9	8.0	7.7	7.2
CRENSHAW	7.3	7.6	7.9	6.7	8.3	8.1	9.0	5.3	6.3	7.7	8.0	5.8	5.7	7.4	7.0	6.4	6.2	6.0	8.8	6.0	7.9	7.2	7.5	7.1
SR 1020	7.1	7.0	8.0	7.0	8.0	7.5	8.3	5.6	6.0	7.0	8.0	5.8	5.8	7.8	6.5	6.8	6.6	5.8	7.8	6.0	7.9	7.2	7.3	7.0
PROVIDENCE	6.8	6.4	7.9	7.2	7.7	7.6	9.0	5.6	5.8	7.2	8.0	6.2	5.7	8.1	7.3	6.9	6.6	4.3	7.9	6.0	7.7	7.7	7.3	7.0
ISI-AP-89150	6.1	7.0	7.4	6.9	7.0	8.2	8.7	5.4	5.8	7.0	8.0	5.7	5.2	7.4	6.8	7.2	6.0	3.2	7.1	5.5	7.8	5.8	7.3	6.6
DG-P	6.0	6.3	7.2	6.2	7.2	7.3	7.7	5.2	6.0	7.7	8.0	5.7	5.2	7.2	6.0	6.1	6.4	4.0	8.4	5.7	7.8	6.2	.	6.5
PENNLINKS	6.3	6.1	7.6	6.3	6.8	7.7	7.0	5.4	6.0	6.8	8.0	5.2	5.3	7.3	5.5	6.7	6.6	5.0	8.3	5.2	7.5	6.2	6.5	6.5
18TH GREEN	5.8	6.4	7.3	5.3	7.7	6.7	8.0	4.9	5.2	7.5	7.7	5.7	3.5	7.2	6.3	7.1	6.2	3.7	7.4	6.7	7.6	6.8	6.3	6.4
REGENT	6.3	6.4	7.4	6.3	7.5	6.7	7.3	5.7	5.6	7.3	8.0	5.5	4.3	7.3	4.7	5.9	6.1	4.2	8.0	5.0	7.4	6.2	6.3	6.3
MARINER (SYN-1-88)	5.9	5.8	7.3	5.8	7.2	7.5	7.0	5.2	5.6	7.5	7.7	5.0	3.7	7.3	5.2	6.1	6.5	5.2	8.0	4.8	7.3	7.0	6.8	6.3
MSUEB	6.0	6.2	7.2	4.4	7.2	7.4	7.0	5.7	5.6	7.3	8.0	5.3	4.5	6.9	6.0	5.9	6.3	5.3	7.4	4.7	7.5	6.3	6.3	6.3
PRO/CUP	5.9	6.1	7.2	5.4	7.2	7.3	7.0	5.2	5.6	7.2	8.0	5.7	4.5	7.0	4.5	6.2	6.6	3.7	7.4	4.5	7.3	6.5	6.3	6.2
TRUELINE	5.8	6.1	7.2	6.2	7.5	6.8	7.0	5.4	6.0	7.7	7.7	5.3	4.0	7.1	4.2	6.1	6.0	3.7	7.6	4.3	7.3	6.8	6.3	6.2
LOPEZ	5.9	5.7	7.1	3.8	7.0	7.8	7.7	5.7	5.9	7.7	8.0	5.5	4.5	7.3	4.2	6.0	6.0	4.0	7.3	5.0	7.4	5.7	6.0	6.1
BAR AS 492	4.6	6.1	7.3	4.0	7.8	5.9	7.0	4.7	5.8	6.5	8.0	4.3	3.5	5.7	2.8	5.9	6.4	2.3	7.7	5.8	7.5	7.7	7.2	5.9
TENDENZ	5.1	5.9	7.2	4.7	6.3	5.6	7.0	4.3	6.7	7.0	7.3	5.0	2.7	5.8	4.7	6.0	5.5	2.7	8.4	5.0	7.6	5.7	5.7	5.7
PENNCROSS	5.8	5.9	6.8	4.0	6.5	6.9	7.0	5.4	5.3	7.0	8.0	5.0	3.2	6.4	3.8	5.3	5.4	3.8	8.2	4.0	7.2	5.3	5.2	5.7
SEASIDE	4.5	4.9	6.3	3.4	7.0	4.8	6.0	5.0	5.8	6.2	7.3	4.8	1.3	5.6	1.5	5.0	5.7	2.5	8.4	3.3	7.0	4.2	4.0	5.0
LSD VALUE	0.5	0.8	1.2	2.0	0.9	0.7	0.6	0.6	0.7	1.0	0.7	0.8	0.9	0.6	1.0	1.0	0.7	0.8	0.5	1.1	0.4	0.9	1.1	0.2
C.V. (%)	9.1	12.2	17.3	35.2	10.3	12.2	4.9	12.0	14.2	11.6	5.9	12.0	14.0	8.8	15.1	15.6	13.5	14.5	6.8	16.4	6.9	11.7	13.7	13.7

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 9. WEAR TOLERANCE RATINGS OF BENTGRASS CULTIVARS
 GROWN ON A GREEN 1/
 1994-97 DATA 2/

WEAR TOLERANCE RATINGS 1-9; 9=MAXIMUM TOLERANCE 3/

NAME	MO1
18TH GREEN	8.3
PENN A-1 (A-1)	8.3
PROVIDENCE	8.3
BAR WS 42102	8.0
CRENSHAW	8.0
MSUEB	8.0
PENNLINKS	8.0
TRUELINE	8.0
CATO	7.7
CENTURY (SYN 92-1)	7.7
ISI-AP-89150	7.7
LOFTS L-93 (L-93)	7.7
LOPEZ	7.7
PENN A-4 (A-4)	7.7
PENN G-2 (G-2)	7.7
MARINER (SYN-1-88)	7.3
PRO/CUP	7.3
SOUTHSHORE	7.3
SR 1020	7.3
BACKSPIN (SYN 92-2)	7.0
IMPERIAL (SYN 92-5)	7.0
PENNCROSS	7.0
REGENT	7.0
DG-P	6.7
PENN G-6 (G-6)	6.7
SEASIDE	6.3
BAR AS 492	6.0
TENDENZ	5.7
LSD VALUE	1.2
C.V. (%)	10.2

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/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ WEAR TOLERANCE RATED IN 1994.

TABLE 10.

SEEDLING VIGOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1994-97 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

NAME	AZ1	CO1	IL1	KS1	MN1	MO1	NJ1	PAL	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
MARINER (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
PENN A-4 (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
BACKSPIN (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
IMPERIAL (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
CENTURY (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
LOFTS L-93 (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
PENN G-2 (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
PENN A-1 (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
PENN G-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
C.V. (%)	16.0	34.2	23.4	24.6	35.8	33.0	8.9	18.7	28.6	26.0	72.6	13.8	17.6	14.9	18.2	8.7	21.8

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 11.

SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1994-97 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/

NAME	AZ1	MN1	MO1	MO2	NH1	OK1	PA1	QE1	WA3	WA4	MEAN
PENN A-4 (A-4)	8.3	6.3	8.3	7.0	6.0	9.0	8.1	5.7	8.4	6.8	7.4
PENN G-6 (G-6)	6.9	6.2	7.0	7.0	6.0	8.8	7.8	6.3	7.8	7.3	7.1
PROVIDENCE	7.0	6.0	8.7	6.7	7.0	8.4	7.6	6.8	7.0	5.7	7.1
PENN G-2 (G-2)	7.9	7.0	7.7	6.7	2.3	8.9	8.1	6.2	8.2	6.7	7.0
CENTURY (SYN 92-1)	8.0	5.6	8.3	6.7	3.0	9.0	7.3	6.2	7.4	8.0	7.0
CATO	7.0	6.1	7.3	6.7	6.3	8.2	7.0	6.1	7.4	7.3	7.0
SR 1020	7.7	5.9	7.3	6.7	7.0	8.4	6.4	6.2	6.7	6.5	6.9
PENN A-1 (A-1)	7.6	6.7	7.3	6.7	1.7	8.8	8.1	6.2	8.4	7.3	6.9
IMPERIAL (SYN 92-5)	7.4	5.8	7.7	7.0	5.0	8.6	7.0	6.4	6.4	7.3	6.9
BAR WS 42102	7.2	6.1	8.0	6.0	3.0	8.3	7.6	6.6	7.7	8.0	6.8
SOUTHSHORE	7.3	5.8	8.0	6.7	5.0	8.6	7.1	6.7	6.7	6.0	6.8
BACKSPIN (SYN 92-2)	7.0	5.8	8.0	7.0	5.0	8.4	6.6	6.7	6.9	5.8	6.7
LOFTS L-93 (L-93)	7.6	6.2	7.3	6.0	3.0	8.8	7.6	6.1	7.0	7.0	6.7
ISI-AP-89150	6.5	5.9	8.0	6.3	6.0	7.4	6.8	5.9	5.9	6.5	6.5
18TH GREEN	6.3	5.3	9.0	6.7	5.7	7.7	6.7	6.7	5.2	5.2	6.4
CRENSHAW	7.2	5.3	8.3	7.3	4.0	8.0	6.6	6.2	5.3	5.7	6.4
PENNLINKS	6.7	5.0	9.0	6.7	5.0	8.1	6.0	6.0	5.8	5.3	6.4
MARINER (SYN-1-88)	6.7	5.3	7.7	6.3	6.3	7.6	5.3	6.0	4.4	6.7	6.2
DG-P	6.1	5.3	7.7	6.7	3.7	8.0	5.9	6.4	5.3	.	6.1
PRO/CUP	6.3	5.0	7.0	7.0	4.3	7.6	5.2	6.0	5.7	6.0	6.0
MSUEB	6.6	5.2	8.3	7.0	3.0	7.7	5.7	5.9	5.0	4.8	5.9
REGENT	6.1	5.0	7.7	6.7	5.0	7.3	5.1	5.7	4.8	5.8	5.9
TRUELINE	6.1	5.4	8.7	6.3	3.0	7.7	5.3	6.3	5.3	4.8	5.9
PENNCROSS	6.0	4.8	7.7	7.0	4.3	6.9	5.1	6.3	3.8	5.3	5.7
LOPEZ	6.3	5.3	7.7	6.7	2.3	7.6	5.2	5.4	4.2	4.7	5.5
TENDENZ	5.4	.	7.3	6.3	5.0	3.3	4.1	6.0	3.9	5.3	5.2
BAR AS 492	5.2	5.8	6.3	7.0	2.3	3.0	2.7	4.3	5.1	5.2	4.7
SEASIDE	4.8	5.0	6.7	6.3	2.0	5.6	2.7	5.6	2.2	3.5	4.4
LSD VALUE	0.8	0.7	1.0	1.4	0.7	0.9	0.9	1.6	1.0	1.0	0.3
C.V. (%)	12.1	13.4	8.3	12.7	10.0	11.6	15.6	27.4	18.5	14.0	16.2

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/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 12.

SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1994-97 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/											
	AZ1	IL1	MN1	MO1	MO2	NH1	OK1	PA1	QE1	WA3	WA4	MEAN
PENN A-1 (A-1)	7.4	5.7	7.3	7.3	7.3	5.7	8.6	8.5	8.0	9.0	8.3	7.6
PENN A-4 (A-4)	8.2	4.0	7.4	8.0	7.7	6.0	9.0	7.8	7.7	8.2	7.7	7.4
CENTURY (SYN 92-1)	7.8	5.7	6.8	7.3	7.7	6.0	8.9	6.5	7.8	8.2	8.3	7.4
PROVIDENCE	6.7	7.0	5.8	8.7	7.7	7.3	7.7	7.0	7.6	7.2	7.0	7.2
CATO	7.7	4.7	6.5	7.7	7.7	7.0	8.0	6.5	8.3	8.2	7.3	7.2
PENN G-6 (G-6)	7.2	5.0	7.3	7.3	7.3	6.0	8.4	7.3	7.8	7.8	8.0	7.2
LOFTS L-93 (L-93)	7.2	5.7	6.9	7.0	7.3	6.7	8.3	7.5	8.3	7.9	6.7	7.2
PENN G-2 (G-2)	7.8	5.0	6.7	7.3	7.7	6.0	8.7	7.7	7.8	7.7	6.7	7.2
IMPERIAL (SYN 92-5)	7.3	5.0	5.9	7.3	7.3	5.7	8.1	6.3	8.1	7.9	8.3	7.0
SOUTHSHORE	7.2	5.3	6.6	7.3	7.7	6.0	8.0	6.3	8.2	7.8	6.7	7.0
BAR WS 42102	7.7	5.0	6.9	7.7	7.3	5.3	7.7	6.5	7.9	7.4	7.3	7.0
BACKSPIN (SYN 92-2)	7.2	6.0	6.4	7.3	7.7	6.3	7.7	6.3	8.0	6.8	7.0	7.0
CRENSHAW	7.4	5.7	5.8	8.0	8.0	6.0	8.0	5.2	7.7	7.3	7.3	6.9
SR 1020	7.0	4.7	6.0	8.0	7.3	7.0	8.3	5.8	7.8	7.3	7.0	6.9
PENNLINKS	6.0	4.7	5.8	8.3	7.7	7.0	7.3	6.0	7.8	7.0	5.7	6.7
TRUELINE	6.1	5.3	5.9	8.3	7.7	7.0	7.4	5.3	8.0	6.3	5.3	6.6
DG-P	5.9	5.3	5.6	7.7	7.3	5.7	7.1	6.0	7.9	6.8	.	6.5
PRO/CUP	6.3	6.7	5.8	7.0	8.0	6.0	7.0	5.0	6.8	6.2	6.0	6.4
18TH GREEN	5.9	4.0	5.5	7.7	7.7	7.0	7.2	5.0	7.7	6.3	6.3	6.4
ISI-AP-89150	6.5	5.0	5.8	8.0	7.7	5.7	7.0	6.3	7.8	5.3	5.0	6.4
LOPEZ	6.3	5.0	5.7	7.7	8.0	6.0	7.1	4.8	7.6	5.2	6.3	6.3
MSUEB	6.1	4.7	5.3	8.0	7.7	6.0	7.1	6.0	8.1	6.6	3.7	6.3
PENNCROSS	6.3	4.7	5.2	7.7	7.7	7.0	6.1	5.0	7.3	4.6	6.7	6.2
REGENT	6.9	4.3	5.3	7.7	8.0	6.0	6.7	5.5	7.9	4.8	3.7	6.1
MARINER (SYN-1-88)	6.1	4.7	5.1	7.3	8.0	3.0	6.4	4.8	8.0	6.1	5.0	5.9
TENDENZ	4.5	4.3	6.3	6.0	7.0	6.0	2.7	4.7	7.3	5.0	3.0	5.2
BAR AS 492	4.4	4.0	5.7	6.7	7.7	2.0	2.3	4.3	7.1	6.3	4.7	5.0
SEASIDE	4.3	4.7	5.3	6.3	6.7	3.3	4.7	2.5	7.3	3.2	2.0	4.6
LSD VALUE	0.7	2.1	0.8	0.9	1.0	0.6	0.9	1.2	1.2	1.0	1.9	0.3
C.V. (%)	13.5	26.1	16.4	7.8	8.0	6.4	12.3	17.8	16.2	16.1	18.9	15.2

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/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 13.

FALL DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1994-97 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/											MEAN
	AZ1	IL1	MN1	MO1	MO2	NH1	OK1	PA1	QE1	WA3	WA4	
PENN A-1 (A-1)	7.5	6.7	6.8	7.0	8.0	7.0	8.5	9.0	7.3	8.5	8.2	7.7
PENN G-2 (G-2)	7.5	6.7	6.8	7.3	8.0	6.3	8.9	9.0	7.9	8.5	7.5	7.7
PENN A-4 (A-4)	8.0	6.7	6.6	7.7	8.0	6.7	8.4	8.0	7.2	8.3	8.0	7.6
PENN G-6 (G-6)	6.8	7.0	6.8	7.0	8.0	7.0	8.8	8.7	7.9	7.5	6.8	7.5
IMPERIAL (SYN 92-5)	7.1	7.3	6.0	7.3	8.0	6.0	8.0	8.3	7.8	8.0	7.8	7.4
CENTURY (SYN 92-1)	7.6	7.3	5.7	7.3	8.0	5.3	8.2	8.0	7.2	8.7	8.2	7.4
BAR WS 42102	7.3	7.0	6.3	8.0	8.0	5.7	8.1	7.0	7.1	7.8	8.2	7.3
LOFTS L-93 (L-93)	7.3	6.3	6.0	7.3	8.0	6.3	7.9	8.0	7.9	7.3	6.8	7.2
CRENSHAW	7.7	6.0	5.6	8.0	8.0	6.3	8.3	7.3	7.3	6.8	7.7	7.2
PROVIDENCE	6.9	6.3	5.9	8.7	8.0	6.0	8.1	8.0	7.2	6.7	7.2	7.2
CATO	7.3	6.7	6.1	7.3	7.7	5.7	7.8	7.3	7.3	7.8	8.0	7.2
SR 1020	7.3	6.7	6.0	8.0	8.0	5.7	7.8	7.0	7.4	7.3	7.2	7.1
SOUTHSHORE	6.6	6.0	6.1	7.3	8.0	6.0	8.0	7.7	8.0	7.5	6.0	7.0
BACKSPIN (SYN 92-2)	7.0	7.3	5.8	7.7	7.7	5.3	7.3	7.7	7.2	6.3	7.2	7.0
LOPEZ	6.1	6.3	5.7	7.7	8.0	6.7	7.8	6.3	7.6	7.3	6.2	6.9
ISI-AP-89150	6.2	6.7	5.4	8.0	8.3	5.3	7.6	6.7	7.2	7.3	6.0	6.8
TRUELINE	5.9	5.3	5.9	9.0	8.0	6.3	7.8	5.7	7.2	7.2	5.5	6.7
DG-P	5.9	6.0	5.4	7.3	7.7	6.0	7.8	6.3	7.1	7.0	.	6.7
PENNLINKS	6.3	6.0	5.8	8.0	8.0	6.7	8.0	6.7	6.9	5.7	5.2	6.6
MSUEB	6.0	5.7	5.3	8.0	8.0	5.7	7.8	7.0	6.9	6.2	5.3	6.5
18TH GREEN	5.8	4.7	4.8	8.3	8.0	7.0	7.8	6.3	7.1	6.2	5.5	6.5
PRO/CUP	6.0	5.3	5.7	7.0	8.0	6.3	7.2	5.7	6.6	6.7	6.3	6.4
REGENT	6.8	5.0	5.4	7.3	8.0	5.7	7.5	6.7	7.0	5.8	5.0	6.4
MARINER (SYN-1-88)	5.8	5.7	5.6	7.0	8.0	4.0	7.4	6.3	7.3	6.5	6.3	6.4
PENNCROSS	5.9	4.0	5.1	7.3	8.0	6.7	6.8	5.0	6.8	5.3	4.0	5.9
BAR AS 492	4.8	5.7	5.8	7.0	7.7	5.0	5.3	2.3	6.4	7.2	5.5	5.7
TENDENZ	5.0	5.3	.	6.3	8.0	5.7	4.7	2.7	7.0	6.2	3.7	5.5
SEASIDE	4.9	4.0	5.6	6.3	8.0	4.0	5.6	3.3	6.7	5.7	3.3	5.2
LSD VALUE	0.7	1.4	0.7	0.9	0.4	0.7	0.8	1.0	1.0	1.6	2.0	0.3
C.V. (%)	14.2	14.1	13.1	7.3	3.1	7.8	11.8	8.9	14.7	20.1	26.8	14.9

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 14. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1994-97 DATA

NAME	PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/								
	AZ1	IL2	MA1	MN1	MO1	MO2	OK1	VA1	MEAN
PROVIDENCE	99.0	49.7	88.3	92.8	86.7	84.3	96.9	63.3	82.6
PENN A-4 (A-4)	98.3	63.0	81.7	89.3	81.7	84.7	98.1	61.7	82.3
BACKSPIN (SYN 92-2)	97.3	55.0	76.7	91.3	83.3	81.3	97.0	71.7	81.7
REGENT	98.3	56.7	88.3	95.9	80.0	87.7	95.1	51.7	81.7
CRENSHAW	98.3	57.7	80.0	87.3	71.7	87.7	97.6	71.7	81.5
SOUTHSHORE	98.0	51.0	73.3	95.3	75.0	86.7	97.6	66.7	80.4
PENNCROSS	97.3	51.7	83.3	94.6	83.3	81.7	93.3	48.3	79.2
MSUEB	98.0	44.7	76.7	87.8	90.0	81.7	95.2	58.3	79.0
IMPERIAL (SYN 92-5)	97.3	52.3	71.7	93.1	70.0	82.7	96.9	66.7	78.8
SR 1020	98.0	55.3	78.3	93.2	61.7	82.3	97.0	63.3	78.7
MARINER (SYN-1-88)	98.0	57.3	71.7	86.2	73.3	80.0	94.8	61.7	77.9
PENN A-1 (A-1)	94.3	58.3	71.7	97.0	60.0	86.7	97.8	55.0	77.6
CENTURY (SYN 92-1)	98.7	32.7	71.7	90.1	78.3	86.7	97.1	65.0	77.5
ISI-AP-89150	96.0	19.0	75.0	94.6	88.3	86.7	94.3	63.3	77.2
SEASIDE	97.0	33.7	94.7	82.3	73.3	84.7	88.9	58.3	76.6
PENNLINKS	95.0	18.3	81.7	89.4	91.7	84.3	97.1	51.7	76.2
CATO	99.0	33.3	75.0	97.3	71.7	83.3	97.3	51.7	76.1
PENN G-2 (G-2)	97.0	37.7	61.7	94.0	73.3	89.7	96.4	50.0	75.0
18TH GREEN	98.3	25.7	63.3	93.7	81.7	88.3	94.9	53.3	74.9
TRUELINE	96.0	11.0	75.0	94.4	88.3	86.0	96.0	50.0	74.6
PENN G-6 (G-6)	97.3	30.0	78.3	96.9	46.7	88.0	97.8	60.0	74.4
LOPEZ	97.0	25.3	66.7	82.1	83.3	88.0	95.9	53.3	74.0
LOFTS L-93 (L-93)	98.0	40.7	65.0	93.2	58.3	76.0	97.2	55.0	72.9
PRO/CUP	96.0	21.7	66.7	89.8	58.3	86.7	96.0	58.3	71.7
DG-P	91.7	29.7	58.3	87.7	70.0	83.7	96.7	46.7	70.5
BAR WS 42102	98.3	14.3	63.3	91.0	66.7	80.0	82.0	33.3	66.1
BAR AS 492	91.7	38.7	46.7	80.3	71.7	84.0	9.3	43.3	58.2
TENDENZ	90.0	8.0	66.7	10.0	91.7	81.0	14.7	63.3	53.2
LSD VALUE	2.5	35.5	16.0	11.2	23.4	9.4	6.3	23.0	5.3
C.V. (%)	1.6	57.7	13.5	13.2	19.3	6.9	7.1	25.0	14.9

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 15. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1994-97 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	IL2	MN1	MO1	MO2	MS1	OK1	MEAN
MSUEB	93.7	88.3	65.0	99.0	36.7	98.4	80.2
REGENT	89.0	93.6	54.2	99.0	45.0	98.0	79.8
BACKSPIN (SYN 92-2)	90.3	92.7	56.7	97.7	40.0	98.3	79.3
LOFTS L-93 (L-93)	80.3	91.2	64.2	98.0	38.3	97.6	78.3
PENNCROSS	67.0	93.3	60.0	98.3	51.7	97.7	78.0
LOPEZ	89.0	92.3	55.0	98.7	33.3	98.4	77.8
PENN A-4 (A-4)	94.7	95.7	58.3	98.3	15.0	97.8	76.6
DG-P	87.7	81.8	58.3	98.7	31.7	98.0	76.0
CRENSHAW	88.7	87.9	59.2	98.7	23.3	98.3	76.0
SOUTHSHORE	92.7	89.8	56.7	98.3	20.0	98.0	75.9
PROVIDENCE	84.0	85.0	60.8	98.0	28.3	98.2	75.7
PENN A-1 (A-1)	76.7	93.9	59.2	98.0	26.7	98.6	75.5
IMPERIAL (SYN 92-5)	89.3	89.3	55.8	98.0	21.7	98.3	75.4
BAR WS 42102	74.3	92.9	67.5	97.7	31.7	88.0	75.3
PENN G-6 (G-6)	68.7	95.9	60.0	98.0	28.3	98.8	74.9
ISI-AP-89150	65.3	91.7	61.7	98.3	35.0	97.4	74.9
PENN G-2 (G-2)	77.3	94.3	55.8	99.0	25.0	97.2	74.8
SR 1020	72.0	92.6	58.3	97.7	28.3	98.3	74.5
CENTURY (SYN 92-1)	68.0	86.1	59.2	98.3	31.7	98.2	73.6
PENNLINKS	84.3	85.7	58.3	98.7	13.3	98.1	73.1
18TH GREEN	63.3	92.4	69.2	98.3	13.3	97.6	72.4
CATO	64.0	92.4	67.5	98.3	11.7	98.4	72.1
PRO/CUP	55.0	89.2	56.7	98.0	33.3	98.9	71.8
TRUELINE	39.0	93.7	64.2	98.3	36.7	98.2	71.7
MARINER (SYN-1-88)	58.3	76.1	55.0	98.3	35.0	96.7	69.9
SEASIDE	38.3	83.3	46.7	98.0	36.7	81.4	64.1
TENDENZ	78.7	50.0	58.3	98.3	31.7	33.5	58.4
BAR AS 492	52.7	80.5	55.8	98.7	28.3	8.3	54.1
LSD VALUE	41.0	11.1	11.2	1.4	27.8	8.6	6.1
C.V. (%)	34.3	15.3	16.6	0.9	57.6	9.6	17.6

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 16. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1994-97 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	IL2	MN1	MO1	MO2	MS1	OK1	PA1	MEAN
PENNCROSS	82.7	88.5	80.0	99.0	76.3	97.0	96.7	88.6
LOPEZ	91.3	91.1	77.5	98.7	56.7	98.7	96.3	87.2
MSUEB	87.0	88.0	77.5	98.7	60.0	98.4	99.0	86.9
PENN A-1 (A-1)	86.3	95.9	76.7	99.0	50.0	98.8	99.0	86.5
REGENT	83.3	88.9	78.3	99.0	60.0	98.2	94.7	86.1
PENN G-6 (G-6)	89.7	93.5	72.5	97.7	51.7	99.0	97.0	85.9
LOFTS L-93 (L-93)	82.7	90.2	77.5	98.3	53.3	98.4	99.0	85.6
BACKSPIN (SYN 92-2)	96.0	89.3	75.0	98.7	53.3	96.8	87.7	85.3
PROVIDENCE	94.3	86.5	76.7	98.3	43.3	98.2	98.7	85.2
DG-P	90.7	83.3	75.0	98.3	48.3	98.7	98.0	84.6
SOUTHSHORE	96.0	90.2	72.5	99.0	40.0	98.9	94.7	84.5
PRO/CUP	87.0	86.8	72.5	99.0	50.0	98.6	96.0	84.3
PENN G-2 (G-2)	92.0	89.6	77.5	98.7	35.0	97.8	98.3	84.1
PENN A-4 (A-4)	93.7	94.3	74.2	98.7	31.7	98.4	97.7	84.1
MARINER (SYN-1-88)	84.0	81.3	77.5	99.0	65.0	97.9	81.7	83.8
CATO	88.0	92.1	79.2	98.0	35.0	97.3	96.0	83.7
PENNLINKS	90.3	84.0	77.5	99.0	38.3	98.7	97.7	83.6
SR 1020	95.0	88.5	71.7	98.3	46.7	97.7	87.7	83.6
ISI-AP-89150	64.3	89.3	73.3	98.7	63.3	97.8	95.7	83.2
CENTURY (SYN 92-1)	89.0	88.3	72.5	98.0	50.0	97.2	85.7	82.9
IMPERIAL (SYN 92-5)	91.7	87.2	75.0	98.7	38.3	97.7	89.3	82.5
SEASIDE	75.3	82.9	66.7	98.3	63.3	93.4	97.3	82.5
CRENSHAW	92.3	86.8	75.8	99.0	41.7	98.4	81.7	82.2
TRUELINE	59.3	90.4	82.5	99.0	53.3	98.0	93.0	82.2
BAR WS 42102	72.7	90.2	75.0	91.3	53.3	86.9	98.0	81.1
18TH GREEN	84.0	85.3	73.3	99.0	30.0	97.9	78.3	78.3
BAR AS 492	79.3	83.1	72.5	98.0	55.0	15.0	99.0	71.7
TENDENZ	88.0	53.8	70.0	98.7	53.3	10.7	99.0	67.6
LSD VALUE	29.4	10.7	10.7	3.9	36.1	6.2	5.1	5.3
C.V. (%)	21.3	15.0	12.6	2.5	44.6	6.8	3.3	14.0

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 17. FROST TOLERANCE RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/
 1994-97 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 3/

NAME	QE1
PENN G-6 (G-6)	9.0
CRENSHAW	8.7
SOUTHSHORE	8.7
BAR WS 42102	8.3
CENTURY (SYN 92-1)	8.3
DG-P	8.3
PRO/CUP	8.3
PROVIDENCE	8.3
BACKSPIN (SYN 92-2)	8.0
ISI-AP-89150	8.0
18TH GREEN	7.7
IMPERIAL (SYN 92-5)	7.7
LOPEZ	7.7
PENNLINKS	7.7
PENN A-4 (A-4)	7.3
PENN G-2 (G-2)	7.3
SR 1020	7.3
TRUELINE	7.3
CATO	7.0
PENN A-1 (A-1)	7.0
PENNCROSS	6.7
REGENT	6.7
LOFTS L-93 (L-93)	6.3
MARINER (SYN-1-88)	6.3
SEASIDE	6.3
MSUEB	6.0
TENDENZ	5.0
BAR AS 492	1.3
LSD VALUE	1.7
C.V. (%)	15.0

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ FROST TOLERANCE RATED IN 1996.

TABLE 18. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1994-97 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/

NAME	AZ1	KY1	OK1	WA3	WA4	MEAN
BAR AS 492	4.3	9.0	3.7	6.2	7.0	6.0
PENN A-4 (A-4)	6.9	3.7	5.3	5.7	7.3	5.8
PENN G-2 (G-2)	5.7	5.7	3.9	5.5	7.0	5.5
SR 1020	6.2	6.7	3.9	4.7	6.0	5.5
ISI-AP-89150	5.8	8.0	3.9	3.7	6.0	5.5
DG-P	5.9	7.0	4.4	4.3	.	5.4
LOFTS L-93 (L-93)	7.0	6.0	4.1	4.0	5.7	5.4
PENN G-6 (G-6)	5.8	7.7	3.4	4.3	5.3	5.3
IMPERIAL (SYN 92-5)	5.6	4.3	3.2	5.5	7.3	5.2
MSUEB	5.1	7.7	3.3	3.7	6.0	5.2
PENN A-1 (A-1)	6.3	4.0	4.1	4.0	7.3	5.1
PENNLINKS	5.1	6.7	3.8	4.2	5.3	5.0
SOUTHSHORE	5.4	7.3	3.4	3.8	5.0	5.0
CATO	6.6	5.7	4.7	3.2	4.3	4.9
MARINER (SYN-1-88)	4.4	7.7	3.1	4.2	5.0	4.9
CENTURY (SYN 92-1)	5.7	4.0	3.1	4.0	7.0	4.8
REGENT	5.8	5.3	3.6	3.0	5.7	4.7
PROVIDENCE	6.7	4.0	4.1	3.7	4.7	4.6
PRO/CUP	5.0	6.7	3.4	3.8	4.0	4.6
SEASIDE	4.1	7.0	2.7	3.5	5.7	4.6
BACKSPIN (SYN 92-2)	4.9	5.0	3.0	3.8	6.0	4.6
LOPEZ	5.0	5.7	3.0	4.0	3.7	4.3
TRUELINE	4.6	6.0	3.1	3.5	3.7	4.2
TENDENZ	4.7	5.3	3.7	2.8	4.3	4.2
PENNCROSS	5.4	4.7	2.8	2.5	4.3	3.9
CRENSHAW	5.4	5.0	3.1	2.0	4.0	3.9
BAR WS 42102	4.3	6.0	2.8	2.7	2.0	3.6
18TH GREEN	5.8	2.0	2.2	2.2	2.7	3.0
LSD VALUE	0.9	2.1	0.7	1.3	1.5	0.5
C.V. (%)	20.8	21.9	20.7	29.4	17.5	21.7

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 19. PERCENT WINTER KILL RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/
 1994-97 DATA

PERCENT WINTER KILL RATINGS: LOCATIONS 3/

NAME	IA1	MN1	MEAN
TENDENZ	63.3	.	63.3
CRENSHAW	73.3	7.7	40.5
BAR AS 492	70.0	10.0	40.0
PENN G-2 (G-2)	76.7	2.4	39.6
CATO	76.7	2.3	39.5
BAR WS 42102	76.7	1.8	39.2
PENN G-6 (G-6)	76.7	1.6	39.1
PENN A-4 (A-4)	70.0	7.3	38.7
SR 1020	73.3	4.0	38.7
BACKSPIN (SYN 92-2)	70.0	5.8	37.9
PROVIDENCE	70.0	3.7	36.8
LOPEZ	63.3	6.8	35.1
18TH GREEN	63.3	5.8	34.6
IMPERIAL (SYN 92-5)	63.3	3.0	33.2
PENN A-1 (A-1)	63.3	2.1	32.7
SEASIDE	60.0	2.3	31.2
TRUELINE	60.0	1.4	30.7
PRO/CUP	46.7	13.6	30.1
CENTURY (SYN 92-1)	53.3	6.4	29.9
SOUTHSHORE	56.7	2.7	29.7
DG-P	53.3	5.6	29.4
LOFTS L-93 (L-93)	53.3	3.8	28.6
PENNLINKS	50.0	6.7	28.3
MARINER (SYN-1-88)	46.7	8.4	27.6
ISI-AP-89150	50.0	4.2	27.1
MSUEB	46.7	5.9	26.3
REGENT	46.7	3.1	24.9
PENNCROSS	43.3	3.3	23.3
LSD VALUE	20.8	8.8	8.7
C.V. (%)	21.1	193.4	30.5

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ PERCENT WINTER KILL RATED AT "IA1" IN 1996 AND AT "MN1" IN 1995-97.

TABLE 20. THATCH MEASUREMENTS OF BENIGRASS CULTIVARS 1/
GROWN ON A GREEN 2/
1994-97 DATA

THATCH MEASUREMENTS IN MILLIMETERS 3/

NAME	AZ1	QE1	MEAN
PENN G-2 (G-2)	6.0	28.8	17.4
SOUTHSHORE	4.7	29.8	17.3
PENNLINKS	6.3	27.7	17.0
CENTURY (SYN 92-1)	6.0	27.8	16.9
PENN G-6 (G-6)	3.3	29.0	16.2
PRO/CUP	4.0	28.3	16.2
DG-P	3.7	28.5	16.1
MSUEB	4.7	27.5	16.1
PENN A-1 (A-1)	4.7	27.5	16.1
BAR WS 42102	6.7	25.3	16.0
REGENT	5.0	27.0	16.0
PENN A-4 (A-4)	6.0	25.2	15.6
ISI-AP-89150	4.3	26.8	15.6
BACKSPIN (SYN 92-2)	5.3	25.3	15.3
MARINER (SYN-1-88)	5.0	25.5	15.3
CRENSHAW	4.7	25.7	15.2
CATO	5.0	25.3	15.2
SR 1020	5.0	25.2	15.1
IMPERIAL (SYN 92-5)	5.0	25.0	15.0
PENNCROSS	4.7	25.2	14.9
LOPEZ	3.7	25.7	14.7
18TH GREEN	4.3	25.0	14.7
BAR AS 492	4.0	25.2	14.6
PROVIDENCE	4.3	24.5	14.4
LOFTS L-93 (L-93)	4.3	23.5	13.9
SEASIDE	4.3	23.5	13.9
TENDENZ	1.3	26.3	13.8
TRUELINE	4.7	22.5	13.6
LSD VALUE	1.9	9.2	6.3
C.V. (%)	25.9	30.8	44.3

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ THATCH MEASURED AT "AZ1" IN 1994 AND AT "QE1" IN 1995 & 1997.

TABLE 21. FUSARIUM PATCH RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN 2/
1994-97 DATA

FUSARIUM PATCH RATINGS 1-9; 9=NO DISEASE 3/

NAME	WA1	WA3	WA4	MEAN
PENNLINKS	6.6	7.0	8.0	7.2
SOUTHSHORE	6.6	7.2	7.7	7.1
PENNCROSS	6.1	7.2	8.0	7.1
CATO	6.1	7.3	7.7	7.0
BACKSPIN (SYN 92-2)	6.2	6.6	7.7	6.8
BAR AS 492	6.0	7.0	7.3	6.8
TENDENZ	6.1	6.7	7.3	6.7
LOFTS L-93 (L-93)	6.8	6.9	6.3	6.7
CENTURY (SYN 92-1)	6.3	6.7	6.7	6.6
PRO/CUP	6.0	7.3	6.3	6.6
DG-P	6.4	6.6	.	6.5
BAR WS 42102	6.3	6.1	7.0	6.5
REGENT	6.2	6.9	6.0	6.4
LOPEZ	5.8	5.8	7.3	6.3
PENN A-4 (A-4)	5.1	7.0	6.3	6.1
PROVIDENCE	6.2	6.8	5.3	6.1
ISI-AP-89150	5.6	6.9	5.7	6.0
MARINER (SYN-1-88)	5.6	6.8	5.7	6.0
IMPERIAL (SYN 92-5)	6.0	6.9	5.0	6.0
SR 1020	6.2	5.7	5.7	5.9
TRUELINE	6.1	5.9	5.3	5.8
SEASIDE	4.8	5.3	7.0	5.7
PENN A-1 (A-1)	6.2	5.1	5.3	5.6
CRENSHAW	6.2	4.9	4.7	5.3
MSUEB	6.7	5.0	3.7	5.1
18TH GREEN	5.3	4.3	4.7	4.8
PENN G-6 (G-6)	5.4	5.7	3.0	4.7
PENN G-2 (G-2)	5.0	3.9	3.7	4.2
LSD VALUE	1.8	1.8	3.1	1.2
C.V. (%)	32.8	31.0	31.9	31.9

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ FUSARIUM PATCH RATED AT "WA1" IN 1995-97, AT "WA3" IN 1994-96 AND AT "WA4" IN 1996.

TABLE 22. MELTING-OUT (SPRING) RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/
 1994-97 DATA

MELTING-OUT RATINGS 1-9; 9=NO DAMAGE 3/

NAME	WA4
BACKSPIN (SYN 92-2)	8.7
PENNCROSS	8.7
BAR WS 42102	8.3
PENNLINKS	8.3
SOUTHSHORE	8.3
SEASIDE	8.0
PRO/CUP	7.7
BAR AS 492	7.0
LOPEZ	7.0
PENN A-1 (A-1)	7.0
CENTURY (SYN 92-1)	6.7
LOFTS L-93 (L-93)	6.7
TENDENZ	6.7
MARINER (SYN-1-88)	6.3
REGENT	6.3
TRUELINE	6.3
CATO	6.0
PENN A-4 (A-4)	6.0
SR 1020	5.7
PROVIDENCE	5.3
18TH GREEN	5.0
CRENSHAW	4.7
IMPERIAL (SYN 92-5)	4.7
PENN G-2 (G-2)	4.0
ISI-AP-89150	3.3
PENN G-6 (G-6)	3.3
MSUEB	2.7
LSD VALUE	3.7
C.V. (%)	36.8

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ MELTING-OUT RATED IN 1995.

TABLE 23. LEAF SPOT RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/
 1994-97 DATA

LEAF SPOT RATINGS 1-9; 9=NO DISEASE 3/

NAME	NH1	PA1	WI1	WI2	MEAN
18TH GREEN	7.3	9.0	8.3	9.0	8.4
PRO/CUP	6.0	8.7	8.7	9.0	8.1
PROVIDENCE	7.0	7.3	9.0	9.0	8.1
MARINER (SYN-1-88)	6.0	8.0	9.0	9.0	8.0
TRUELINE	5.3	8.3	9.0	9.0	7.9
PENN A-4 (A-4)	6.3	7.7	8.0	9.0	7.8
SR 1020	7.0	6.0	9.0	9.0	7.8
TENDENZ	4.7	9.0	8.3	9.0	7.8
PENN G-6 (G-6)	6.0	6.7	9.0	9.0	7.7
PENNLINKS	5.7	7.0	9.0	9.0	7.7
SOUTHSHORE	7.0	6.7	8.0	9.0	7.7
DG-P	5.0	8.0	8.7	9.0	7.7
LOPEZ	4.0	9.0	8.7	9.0	7.7
CATO	6.0	7.3	8.0	9.0	7.6
LOFTS L-93 (L-93)	4.0	8.3	8.7	9.0	7.5
PENNCROSS	3.7	8.3	9.0	9.0	7.5
REGENT	4.3	7.7	9.0	9.0	7.5
BAR AS 492	4.3	9.0	7.3	9.0	7.4
SEASIDE	3.0	9.0	8.3	9.0	7.3
ISI-AP-89150	6.0	4.7	9.0	9.0	7.2
BAR WS 42102	4.3	6.3	9.0	9.0	7.2
MSUEB	3.0	7.3	9.0	9.0	7.1
CRENSHAW	4.0	5.3	9.0	9.0	6.8
PENN G-2 (G-2)	3.0	6.3	9.0	9.0	6.8
CENTURY (SYN 92-1)	5.0	6.7	6.0	9.0	6.7
IMPERIAL (SYN 92-5)	6.0	6.0	5.3	9.0	6.6
BACKSPIN (SYN 92-2)	6.0	5.3	6.0	8.0	6.3
PENN A-1 (A-1)	2.0	4.3	4.3	7.3	4.5
LSD VALUE	0.8	2.0	1.4	0.7	0.7
C.V. (%)	9.9	16.9	10.9	4.9	11.2

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/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ LEAF SPOT RATED AT "NH1" IN 1994, AT "PA1" IN 1995 AND AT "WI1" & "WI2" IN 1996.

TABLE 24.

DOLLAR SPOT RATINGS OF BENIGRASS CULTIVARS
GROWN ON A GREEN 1/
1994-97 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	KS1	MI1	MN1	MO1	NJ1	OK1	PA1	RI1	SC1	TX1	VA1	MEAN
BAR AS 492	7.7	6.7	7.3	6.8	8.2	8.5	9.0	7.3	8.3	7.4	7.8	7.7
LOFTS L-93 (L-93)	8.0	7.7	7.7	6.8	7.3	8.4	8.0	7.2	8.3	6.6	8.3	7.7
TENDENZ	7.0	6.7	.	6.2	7.8	8.3	8.7	7.8	8.3	6.4	8.2	7.5
MSUEB	7.7	7.3	7.5	7.3	6.5	8.5	7.5	6.7	8.3	6.8	7.9	7.5
PENN A-1 (A-1)	7.3	7.3	8.5	7.2	6.5	8.3	7.8	6.2	7.7	7.2	7.2	7.4
PENNLINKS	8.7	7.0	7.3	7.5	6.7	8.6	7.0	6.2	8.0	5.8	8.3	7.4
PROVIDENCE	7.3	7.3	7.7	7.2	5.8	8.1	7.2	5.5	7.3	7.3	8.2	7.2
PENNCROSS	8.0	5.7	7.2	6.3	6.7	8.3	7.3	5.8	8.0	6.6	8.2	7.1
ISI-AP-89150	7.7	6.7	7.8	6.7	6.0	8.3	6.8	6.7	6.7	6.4	7.4	7.0
SEASIDE	7.7	6.7	7.7	6.3	6.3	8.4	7.3	5.8	6.3	7.2	7.3	7.0
CATO	7.3	6.7	7.5	6.7	5.5	8.1	7.5	5.2	7.7	6.4	7.9	6.9
BAR WS 42102	6.0	7.0	7.7	5.8	6.3	8.3	8.0	5.2	7.0	7.3	7.8	6.9
DG-P	7.3	6.0	6.8	7.2	6.2	8.3	7.0	5.8	6.7	7.3	7.6	6.9
REGENT	7.3	6.0	7.2	6.0	6.3	8.4	6.8	5.7	7.7	7.0	7.6	6.9
PENN G-2 (G-2)	6.7	6.3	7.8	6.0	6.0	8.4	7.5	5.0	7.0	6.8	6.8	6.8
PENN G-6 (G-6)	6.7	6.0	7.2	6.0	5.3	7.8	6.7	5.7	7.7	6.9	7.2	6.6
TRUELINE	6.3	6.7	7.5	5.8	5.3	8.1	6.8	4.8	6.3	6.8	7.6	6.6
SOUTHSHORE	6.0	6.0	6.7	5.7	5.3	7.3	6.8	4.8	8.0	8.0	7.3	6.5
PENN A-4 (A-4)	5.3	6.7	6.8	5.8	4.8	7.8	6.7	5.3	7.7	7.7	6.9	6.5
LOPEZ	6.7	5.7	7.7	6.0	4.7	8.3	6.8	4.7	6.0	6.1	7.4	6.4
PRO/CUP	7.0	5.3	6.3	5.2	5.3	8.0	6.5	4.5	7.0	7.8	6.6	6.3
MARINER (SYN-1-88)	6.3	6.0	7.7	6.0	5.0	7.7	4.8	4.0	5.0	7.9	6.4	6.1
IMPERIAL (SYN 92-5)	5.0	6.0	7.8	5.5	4.0	7.0	5.7	4.0	5.0	6.3	6.4	5.7
SR 1020	4.7	5.3	6.8	6.8	4.0	7.8	5.5	3.0	5.3	7.2	5.0	5.6
BACKSPIN (SYN 92-2)	5.3	5.7	6.0	5.7	3.2	7.1	5.5	4.0	6.0	6.8	5.2	5.5
CENTURY (SYN 92-1)	3.7	5.7	5.8	4.0	3.7	6.7	4.5	3.3	5.7	6.4	4.8	4.9
18TH GREEN	5.0	4.3	5.0	3.2	3.2	6.0	3.5	2.5	4.7	7.3	5.3	4.5
CRENSHAW	4.0	5.0	6.0	3.3	3.0	6.4	4.2	2.3	4.0	6.8	4.3	4.5
LSD VALUE	1.3	1.2	1.5	1.8	1.1	1.0	0.9	1.5	2.2	1.1	1.4	0.4
C.V. (%)	12.7	12.2	18.1	26.2	18.2	14.7	11.5	26.3	19.7	19.2	21.7	19.3

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 25.

BROWN PATCH RATINGS OF BENIGRASS CULTIVARS
GROWN ON A GREEN 1/
1994-97 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/

NAME	IA1	IL1	KS1	MI1	MO1	NJ1	OK1	PA1	SC1	MEAN
LOFTS L-93 (L-93)	9.0	6.0	8.3	8.7	7.7	7.1	7.0	7.7	6.3	7.5
PROVIDENCE	9.0	6.3	8.0	8.0	7.7	6.9	7.3	7.7	5.3	7.4
CATO	7.7	5.7	8.3	8.3	8.0	6.9	6.8	7.8	5.7	7.2
18TH GREEN	8.3	5.3	8.0	7.3	6.7	7.3	6.0	8.3	7.3	7.2
PENN G-6 (G-6)	7.3	5.3	8.3	7.3	7.7	7.4	7.3	7.7	6.0	7.2
PRO/CUP	7.7	6.0	8.3	8.7	7.0	7.1	6.3	7.7	5.3	7.1
LOPEZ	8.3	6.0	8.0	8.0	8.0	6.9	6.2	7.3	5.0	7.1
SOUTHSHORE	7.7	7.0	7.7	7.7	5.7	6.8	5.8	7.3	6.7	6.9
CRENSHAW	6.7	5.7	8.3	7.0	6.7	6.9	6.7	7.7	6.7	6.9
PENNCROSS	8.3	6.7	9.0	7.7	8.0	6.2	6.2	7.7	2.3	6.9
PENNLINKS	6.7	5.7	8.3	7.7	7.3	6.6	5.7	7.7	5.7	6.8
MSUEB	5.3	5.3	9.0	6.3	6.7	6.3	6.2	7.5	8.0	6.7
TRUELINE	7.7	5.3	8.0	6.7	6.3	6.7	6.8	7.5	5.7	6.7
REGENT	7.0	6.3	7.3	8.0	6.0	6.8	6.0	7.5	5.3	6.7
BACKSPIN (SYN 92-2)	7.7	5.0	8.3	6.7	5.3	6.4	6.3	7.7	5.7	6.6
CENTURY (SYN 92-1)	7.7	5.7	8.7	7.3	5.7	6.8	7.2	7.5	2.7	6.6
PENN A-1 (A-1)	7.0	4.3	5.3	6.7	7.3	6.8	6.5	7.8	7.0	6.5
DG-P	7.7	5.7	8.0	6.0	7.0	6.1	5.5	6.8	5.3	6.5
SR 1020	7.7	4.7	7.0	7.0	6.0	6.2	6.3	8.0	5.0	6.4
PENN A-4 (A-4)	6.3	5.3	6.0	5.7	7.0	7.0	7.0	7.5	4.3	6.2
IMPERIAL (SYN 92-5)	6.3	4.7	7.0	6.7	7.0	6.6	6.2	7.7	4.0	6.2
BAR WS 42102	5.7	5.0	8.3	7.3	6.0	6.8	6.3	7.7	2.0	6.1
PENN G-2 (G-2)	6.3	3.7	8.0	5.0	4.7	7.3	6.2	7.3	5.7	6.0
ISI-AP-89150	6.0	4.7	6.3	7.0	7.0	6.2	5.7	6.8	4.3	6.0
SEASIDE	5.0	4.0	7.3	8.0	6.0	4.1	5.0	5.8	5.0	5.6
MARINER (SYN-1-88)	4.7	4.3	4.0	5.7	4.3	5.4	4.5	6.5	5.7	5.0
BAR AS 492	4.3	3.0	8.7	7.0	3.3	3.3	4.0	5.2	3.7	4.7
TENDENZ	3.3	2.3	7.7	6.0	2.7	3.4	3.8	4.8	5.0	4.3
LSD VALUE	1.9	1.9	2.0	1.9	1.7	1.7	1.8	1.9	3.1	0.7
C.V. (%)	17.3	22.4	16.5	16.9	16.3	29.3	25.3	22.4	36.7	24.3

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 26. PERCENT TYPHULA RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/ 3/
 1994-97 DATA

NAME	NJ1
CRENSHAW	51.7
MARINER (SYN-1-88)	46.7
PENN G-2 (G-2)	36.3
SEASIDE	32.7
SR 1020	24.3
18TH GREEN	23.7
PENN G-6 (G-6)	11.7
ISI-AP-89150	10.7
CENTURY (SYN 92-1)	10.3
PROVIDENCE	10.3
BACKSPIN (SYN 92-2)	8.7
REGENT	8.3
PENN A-4 (A-4)	8.0
SOUTHSHORE	8.0
TRUELINE	7.7
IMPERIAL (SYN 92-5)	7.0
PENNCROSS	6.7
CATO	6.3
PENNLINKS	6.3
PRO/CUP	6.3
MSUEB	5.7
BAR WS 42102	5.0
PENN A-1 (A-1)	5.0
DG-P	4.7
LOFTS L-93 (L-93)	3.7
LOPEZ	3.0
TENDENZ	2.3
BAR AS 492	1.7
LSD VALUE	13.4
C.V. (%)	64.1

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ PERCENT TYPHULA RATED IN 1996.

TABLE 27. ANTHRACNOSE RATINGS OF BENIGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/
 1994-97 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 3/

NAME	OK1
LOPEZ	8.7
PENN A-1 (A-1)	8.3
PENN A-4 (A-4)	8.3
PENN G-6 (G-6)	8.3
REGENT	8.3
TRUELINE	8.3
BACKSPIN (SYN 92-2)	8.0
CRENSHAW	8.0
CATO	7.7
CENTURY (SYN 92-1)	7.7
PRO/CUP	7.7
PROVIDENCE	7.7
SOUTHSHORE	7.7
BAR WS 42102	7.3
IMPERIAL (SYN 92-5)	7.3
PENNLINKS	7.3
SR 1020	7.3
LOFTS L-93 (L-93)	7.0
MSUEB	6.7
PENNCROSS	6.7
DG-P	6.3
ISI-AP-89150	6.3
MARINER (SYN-1-88)	6.3
PENN G-2 (G-2)	6.3
SEASIDE	6.3
18TH GREEN	5.7
LSD VALUE	2.3
C.V. (%)	19.3

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ ANTHRACNOSE RATED IN 1997.

TABLE 28. FALL COLOR (NOVEMBER) RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/
 1994-97 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 3/

NAME	OK1
CATO	6.0
CRENSHAW	6.0
DG-P	6.0
LOFTS L-93 (L-93)	6.0
MSUEB	6.0
PENN A-1 (A-1)	6.0
PENN A-4 (A-4)	6.0
PROVIDENCE	5.7
ISI-AP-89150	5.3
PENN G-6 (G-6)	5.3
SOUTHSHORE	5.3
IMPERIAL (SYN 92-5)	5.0
PRO/CUP	5.0
REGENT	5.0
SR 1020	5.0
TRUELINE	5.0
BACKSPIN (SYN 92-2)	4.7
CENTURY (SYN 92-1)	4.7
LOPEZ	4.7
PENNCROSS	4.7
PENNLINKS	4.7
18TH GREEN	4.3
PENN G-2 (G-2)	4.3
BAR WS 42102	4.0
MARINER (SYN-1-88)	3.7
SEASIDE	3.7
LSD VALUE	0.8
C.V. (%)	9.7

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ FALL COLOR (NOVEMBER) RATED IN 1995.

TABLE 29. PERCENT YELLOW PATCH RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/ 3/
 1994-97 DATA

NAME	PA1
SEASIDE	35.0
PENN G-2 (G-2)	26.7
MARINER (SYN-1-88)	26.0
SR 1020	22.7
CRENSHAW	15.7
PENNLINKS	15.7
ISI-AP-89150	11.0
PENN A-4 (A-4)	11.0
PENN G-6 (G-6)	11.0
18TH GREEN	10.3
BAR WS 42102	10.0
PENNCROSS	10.0
LOPEZ	9.3
MSUEB	9.3
PRO/CUP	8.3
REGENT	7.0
CENTURY (SYN 92-1)	5.7
TENDENZ	5.3
DG-P	5.0
IMPERIAL (SYN 92-5)	4.7
PENN A-1 (A-1)	4.3
CATO	4.0
PROVIDENCE	3.7
SOUTHSHORE	3.7
TRUELINE	3.7
BAR AS 492	1.7
BACKSPIN (SYN 92-2)	1.3
LOFTS L-93 (L-93)	0.3
LSD VALUE	9.7
C.V. (%)	60.1

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ PERCENT YELLOW PATCH RATED IN 1996.

TABLE 30. WINTER DENSITY RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN 2/
1994-97 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 3/

NAME	WA3	WA4	MEAN
PENN A-4 (A-4)	8.7	8.7	8.7
PENN G-2 (G-2)	9.0	7.7	8.3
PENN A-1 (A-1)	8.7	8.0	8.3
BAR WS 42102	8.0	8.3	8.2
CENTURY (SYN 92-1)	8.7	7.7	8.2
IMPERIAL (SYN 92-5)	8.0	7.7	7.8
PROVIDENCE	7.7	8.0	7.8
SOUTHSHORE	7.7	7.7	7.7
CATO	7.3	8.0	7.7
LOFTS L-93 (L-93)	7.7	7.3	7.5
BACKSPIN (SYN 92-2)	7.3	7.3	7.3
ISI-AP-89150	7.0	7.0	7.0
PENN G-6 (G-6)	7.0	7.0	7.0
SR 1020	7.3	6.7	7.0
18TH GREEN	6.7	6.7	6.7
CRENSHAW	6.7	6.7	6.7
DG-P	6.7	.	6.7
PENNLINKS	6.0	6.0	6.0
PRO/CUP	6.3	5.7	6.0
REGENI	6.3	5.7	6.0
TRUELINE	6.0	5.3	5.7
MSUEB	5.7	5.3	5.5
MARINER (SYN-1-88)	4.7	5.7	5.2
LOPEZ	5.3	4.7	5.0
TENDENZ	5.3	4.0	4.7
PENNCROSS	4.0	4.0	4.0
BAR AS 492	5.3	2.3	3.8
SEASIDE	4.0	3.0	3.5
LSD VALUE	1.7	1.9	1.3
C.V. (%)	15.9	18.1	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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ WINTER DENSITY RATED IN 1995.

TABLE 31. COPPER SPOT RATINGS OF BENIGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/
 1994-97 DATA

COPPER SPOT RATINGS 1-9; 9=NO DISEASE 3/

NAME	NJ1
BAR AS 492	9.0
PENNCROSS	9.0
PENNLINKS	9.0
TENDENZ	9.0
18TH GREEN	8.7
CATO	8.7
LOPEZ	8.7
MSUEB	8.7
PRO/CUP	8.7
REGENT	8.7
ISI-AP-89150	8.3
LOFTS L-93 (L-93)	8.3
PROVIDENCE	8.3
SEASIDE	8.3
BACKSPIN (SYN 92-2)	8.0
BAR WS 42102	8.0
DG-P	8.0
SR 1020	8.0
PENN A-4 (A-4)	7.7
PENN G-6 (G-6)	7.7
SOUTHSHORE	7.3
TRUELINE	7.3
CENTURY (SYN 92-1)	6.7
IMPERIAL (SYN 92-5)	6.7
PENN A-1 (A-1)	6.7
MARINER (SYN-1-88)	6.0
CRENSHAW	5.0
PENN G-2 (G-2)	4.7
LSD VALUE	1.3
C.V. (%)	10.5

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ COPPER SPOT RATED IN 1996.

TABLE 32. FALL AERIFICATION RECOVERY (OCTOBER) RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/
 1994-97 DATA

FALL AERIFICATION RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 3/

NAME	OK1
DG-P	7.7
ISI-AP-89150	7.7
PENNCROSS	7.7
PRO/CUP	7.3
TRUELINE	7.3
IMPERIAL (SYN 92-5)	7.0
LOFTS L-93 (L-93)	7.0
LOPEZ	7.0
MSUEB	7.0
PENNLINKS	7.0
SR 1020	7.0
BACKSPIN (SYN 92-2)	6.7
MARINER (SYN-1-88)	6.3
SOUTHSHORE	6.3
BAR WS 42102	6.0
CATO	6.0
PENN G-6 (G-6)	6.0
PROVIDENCE	6.0
18TH GREEN	5.7
CRENSHAW	5.7
PENN A-1 (A-1)	5.7
PENN A-4 (A-4)	5.7
REGENT	5.7
CENTURY (SYN 92-1)	5.3
PENN G-2 (G-2)	5.0
SEASIDE	5.0
LSD VALUE	1.2
C.V. (%)	11.7

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ FALL AERIFICATION RECOVERY (OCTOBER) RATED IN 1995.

TABLE 33. PYTHIUM ROOT ROT RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/
 1994-97 DATA

PYTHIUM ROOT ROT RATINGS 1-9; 9=NO DISEASE 3/

NAME	PA1
18TH GREEN	9.0
BACKSPIN (SYN 92-2)	9.0
BAR AS 492	9.0
BAR WS 42102	9.0
CATO	9.0
CENTURY (SYN 92-1)	9.0
CRENSHAW	9.0
DG-P	9.0
IMPERIAL (SYN 92-5)	9.0
ISI-AP-89150	9.0
LOFTS L-93 (L-93)	9.0
LOPEZ	9.0
MARINER (SYN-1-88)	9.0
MSUEB	9.0
PENN A-1 (A-1)	9.0
PENN A-4 (A-4)	9.0
PENN G-2 (G-2)	9.0
PENN G-6 (G-6)	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
TRUELINE	9.0
TENDENZ	3.3
LSD VALUE	0.5
C.V. (%)	3.3

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ PYTHIUM ROOT ROT RATED IN 1994.

TABLE 34. PERCENT POA ANNUA RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/ 3/
 1994-97 DATA

NAME	IL1	OK1	MEAN
BAR AS 492	50.0	.	50.0
TENDENZ	36.7	.	36.7
BAR WS 42102	31.7	15.0	23.3
PENN G-2 (G-2)	35.0	5.0	20.0
DG-P	31.7	3.7	17.7
18TH GREEN	28.3	6.7	17.5
LOPEZ	25.0	5.3	15.2
SEASIDE	11.7	18.3	15.0
PENN G-6 (G-6)	26.7	1.7	14.2
PRO/CUP	21.7	5.0	13.3
ISI-AP-89150	16.7	9.3	13.0
PENN A-1 (A-1)	23.3	1.7	12.5
MSUEB	15.0	8.3	11.7
IMPERIAL (SYN 92-5)	20.0	3.3	11.7
PENNCROSS	11.7	11.7	11.7
CATO	20.0	3.0	11.5
TRUELINE	16.7	5.3	11.0
BACKSPIN (SYN 92-2)	18.3	2.7	10.5
PENNLINKS	15.0	5.7	10.3
CENTURY (SYN 92-1)	18.3	2.3	10.3
LOFTS L-93 (L-93)	18.3	2.3	10.3
PROVIDENCE	16.7	3.7	10.2
SR 1020	18.3	2.0	10.2
MARINER (SYN-1-88)	11.7	8.3	10.0
REGENT	13.3	6.7	10.0
CRENSHAW	16.7	2.3	9.5
PENN A-4 (A-4)	16.7	1.0	8.8
SOUTHSHORE	13.3	2.3	7.8
LSD VALUE	10.9	5.8	6.4
C.V. (%)	31.6	66.3	39.9

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ PERCENT POA ANNUA RATED AT "IL1" IN 1994 AND AT "OK1 " IN 1997.

TABLE 35. BLACK TURFGRASS ATAENIUS RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/
 1994-97 DATA

BLACK TURFGRASS ATAENIUS RATINGS 1-9; 9=NO DAMAGE 3/

NAME	KS1
PRO/CUP	8.7
BAR AS 492	8.3
REGENT	8.0
TRUELINE	8.0
CENTURY (SYN 92-1)	7.7
LOFTS L-93 (L-93)	7.7
CATO	7.3
LOPEZ	7.3
BACKSPIN (SYN 92-2)	7.0
BAR WS 42102	7.0
IMPERIAL (SYN 92-5)	6.7
PENN A-1 (A-1)	6.7
PENN A-4 (A-4)	6.7
SOUTHSHORE	6.7
CRENSHAW	6.3
PENNCROSS	6.3
PENNLINKS	6.3
DG-P	6.0
ISI-AP-89150	6.0
MARINER (SYN-1-88)	6.0
MSUEB	6.0
TENDENZ	6.0
18TH GREEN	5.7
PENN G-2 (G-2)	5.7
PENN G-6 (G-6)	5.7
PROVIDENCE	5.7
SEASIDE	5.7
SR 1020	5.3
LSD VALUE	3.0
C.V. (%)	28.4

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ BLACK TURFGRASS ATAENIUS RATED IN 1996.

TABLE 36. SCALPING RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/
 1994-97 DATA

SCALPING RATINGS 1-9; 9=NONE 3/

NAME	NJ1
BAR WS 42102	8.7
CRENSHAW	8.3
DG-P	8.3
LOPEZ	8.3
18TH GREEN	8.0
CATO	8.0
LOFTS L-93 (L-93)	8.0
PENN A-4 (A-4)	8.0
PENN G-6 (G-6)	8.0
PROVIDENCE	7.7
TRUELINE	7.7
MSUEB	7.3
PENN A-1 (A-1)	7.3
PENN G-2 (G-2)	7.3
IMPERIAL (SYN 92-5)	7.0
PENNCROSS	7.0
TENDENZ	7.0
ISI-AP-89150	6.7
PENNLINKS	6.7
SOUTHSHORE	6.7
CENTURY (SYN 92-1)	6.3
PRO/CUP	6.3
BACKSPIN (SYN 92-2)	5.7
BAR AS 492	5.3
SR 1020	5.3
REGENT	5.0
MARINER (SYN-1-88)	4.7
SEASIDE	2.7
LSD VALUE	1.4
C.V. (%)	12.9

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ SCALPING RATED IN 1994.

TABLE 37. DORMANCY UNIFORMITY (DECEMBER) RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/
 1994-97 DATA

DORMANCY UNIFORMITY RATINGS 1-9; 9=BEST 3/

NAME	NJ1
LOFTS L-93 (L-93)	7.7
MSUEB	7.3
DG-P	7.0
CATO	6.7
PENN A-4 (A-4)	6.7
PENNLINKS	6.7
REGENT	6.7
PENNCROSS	6.3
SOUTHSHORE	6.0
PENN A-1 (A-1)	5.7
PROVIDENCE	5.7
TRUELINE	5.7
CENTURY (SYN 92-1)	5.3
LOPEZ	5.3
MARINER (SYN-1-88)	5.3
PENN G-2 (G-2)	5.3
SR 1020	5.3
18TH GREEN	5.0
PENN G-6 (G-6)	5.0
BACKSPIN (SYN 92-2)	4.7
CRENSHAW	4.3
IMPERIAL (SYN 92-5)	4.3
PRO/CUP	4.3
ISI-AP-89150	4.0
SEASIDE	3.3
BAR WS 42102	3.0
BAR AS 492	2.3
TENDENZ	2.0
LSD VALUE	1.1
C.V. (%)	13.5

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ DORMANCY UNIFORMITY (DECEMBER) RATED IN 1996.

TABLE 38. PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 1/ 2/
 1994-97 DATA

NAME	PA1
BAR AS 492	99.0
LOFTS L-93 (L-93)	99.0
TENDENZ	99.0
PENN A-1 (A-1)	97.7
BAR WS 42102	97.0
PENNLINKS	95.3
MSUEB	95.0
PROVIDENCE	93.7
DG-P	93.3
PENN G-2 (G-2)	93.0
TRUELINE	91.7
SOUTHSHORE	91.3
ISI-AP-89150	90.7
PENNCROSS	90.7
CATO	90.3
LOPEZ	90.0
REGENT	90.0
SEASIDE	89.7
PENN A-4 (A-4)	89.0
PENN G-6 (G-6)	88.7
PRO/CUP	88.3
IMPERIAL (SYN 92-5)	83.0
BACKSPIN (SYN 92-2)	82.0
CENTURY (SYN 92-1)	80.3
SR 1020	80.3
MARINER (SYN-1-88)	72.3
18TH GREEN	71.7
CRENSHAW	71.7
LSD VALUE	7.4
C.V. (%)	5.2

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/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ PERCENT ESTABLISHMENT RATED IN 1993 FALL.

TABLE 39. PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN AT STILLWATER, OK 2/ 3/
1994-97 DATA

NAME	MARCH 22	APRIL 11	MAY 1	MEAN
MARINER (SYN-1-88)	63.3	88.3	88.3	80.0
PENN A-4 (A-4)	55.0	73.3	88.3	72.2
PENNCROSS	53.3	76.7	85.0	71.7
CRENSHAW	50.0	76.7	83.3	70.0
IMPERIAL (SYN 92-5)	41.7	80.0	88.3	70.0
REGENT	48.3	75.0	86.7	70.0
SEASIDE	51.7	76.7	81.7	70.0
SOUTHSHORE	46.7	75.0	83.3	68.3
PROVIDENCE	40.0	71.7	81.7	64.4
SR 1020	38.3	68.3	86.7	64.4
PENNLINKS	36.7	71.7	81.7	63.3
CENTURY (SYN 92-1)	31.7	70.0	81.7	61.1
LOFTS L-93 (L-93)	35.0	70.0	78.3	61.1
LOPEZ	33.3	70.0	80.0	61.1
MSUEB	33.3	68.3	80.0	60.6
BACKSPIN (SYN 92-2)	31.7	70.0	78.3	60.0
TRUELINE	28.3	68.3	81.7	59.4
PRO/CUP	35.0	63.3	76.7	58.3
PENN G-6 (G-6)	25.0	65.0	81.7	57.2
BAR WS 42102	28.3	66.7	75.0	56.7
CATO	30.0	61.7	76.7	56.1
18TH GREEN	31.7	61.7	71.7	55.0
PENN A-1 (A-1)	23.3	61.7	80.0	55.0
ISI-AP-89150	25.0	61.7	76.7	54.4
DG-P	21.7	58.3	75.0	51.7
PENN G-2 (G-2)	21.7	60.0	73.3	51.7
TENDENZ	18.3	51.7	65.0	45.0
BAR AS 492	15.0	50.0	66.7	43.9
LSD VALUE	13.4	11.4	7.7	9.3
C.V. (%)	23.8	10.0	5.9	9.5

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ PERCENT ESTABLISHMENT RATED IN 1994.

TABLE 40. FAIRY RING RATINGS OF BENIGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/
 1994-97 DATA

FAIRY RING RATINGS 1-9; 9=BEST 3/

NAME	TX1
CATO	7.3
REGENT	7.3
SR 1020	7.3
CRENSHAW	7.0
IMPERIAL (SYN 92-5)	7.0
PENNCROSS	7.0
PENN A-1 (A-1)	6.7
PENN A-4 (A-4)	6.7
PENN G-2 (G-2)	6.7
SEASIDE	6.7
TRUELINE	6.7
BACKSPIN (SYN 92-2)	6.3
BAR WS 42102	6.3
DG-P	6.3
LOFTS L-93 (L-93)	6.3
PENNLINKS	6.3
SOUTHSHORE	6.3
18TH GREEN	6.0
CENTURY (SYN 92-1)	6.0
LOPEZ	6.0
PENN G-6 (G-6)	6.0
PROVIDENCE	6.0
ISI-AP-89150	5.7
MARINER (SYN-1-88)	5.7
PRO/CUP	5.7
BAR AS 492	5.3
MSUEB	5.3
TENDENZ	5.3
LSD VALUE	2.0
C.V. (%)	19.7

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ FAIRY RING RATED IN 1995.

TABLE 41. POA ANNUA RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/
 1994-97 DATA

POA ANNUA RATINGS 1-9; 9=NO POA ANNUA 3/

NAME	VA1
PENN G-6 (G-6)	8.0
BACKSPIN (SYN 92-2)	7.7
PENN A-4 (A-4)	7.7
CENTURY (SYN 92-1)	7.0
PENN A-1 (A-1)	7.0
IMPERIAL (SYN 92-5)	6.7
LOFTS L-93 (L-93)	6.7
CATO	6.3
PENN G-2 (G-2)	6.3
PENNLINKS	6.3
CRENSHAW	6.0
PROVIDENCE	6.0
TRUELINE	6.0
18TH GREEN	5.7
BAR AS 492	5.3
DG-P	5.3
MSUEB	5.3
PENNCROSS	5.3
ISI-AP-89150	5.0
MARINER (SYN-1-88)	5.0
PRO/CUP	5.0
SOUTHSHORE	5.0
LOPEZ	4.7
SR 1020	4.7
REGENT	4.3
TENDENZ	4.0
BAR WS 42102	3.7
SEASIDE	3.0
LSD VALUE	1.8
C.V. (%)	19.8

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ POA ANNUA RATED IN 1996.

TABLE 42. WINTER VERDURE RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/
 1994-97 DATA

WINTER VERDURE RATINGS 1-9; 9=BEST 3/

NAME	WA3	WA4	MEAN
CENTURY (SYN 92-1)	5.0	7.7	6.3
PROVIDENCE	6.0	6.7	6.3
LOFTS L-93 (L-93)	5.0	7.0	6.0
PENN A-4 (A-4)	5.3	6.3	5.8
BACKSPIN (SYN 92-2)	4.3	7.0	5.7
SOUTHSHORE	5.3	6.0	5.7
LOPEZ	5.0	5.7	5.3
IMPERIAL (SYN 92-5)	4.0	6.3	5.2
PENNLINKS	5.0	5.3	5.2
ISI-AP-89150	3.3	6.3	4.8
REGENT	3.7	6.0	4.8
CATO	3.7	5.7	4.7
DG-P	4.7	.	4.7
TRUELINE	4.7	4.3	4.5
PENN G-2 (G-2)	5.0	3.7	4.3
PRO/CUP	5.0	3.3	4.2
MSUEB	4.3	4.0	4.2
SR 1020	4.0	4.3	4.2
PENN G-6 (G-6)	4.0	4.0	4.0
PENNCROSS	3.7	4.3	4.0
BAR AS 492	4.7	3.0	3.8
SEASIDE	3.7	4.0	3.8
MARINER (SYN-1-88)	4.0	3.3	3.7
PENN A-1 (A-1)	2.7	4.3	3.5
18TH GREEN	2.0	4.3	3.2
TENDENZ	3.0	3.0	3.0
CRENSHAW	2.3	2.7	2.5
BAR WS 42102	2.7	2.0	2.3
LSD VALUE	1.4	1.7	1.1
C.V. (%)	20.9	21.3	21.2

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/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ WINTER VERDURE RATED IN 1996.

TABLE 43. THATCH ASHED DRY WEIGHT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN 2/
1994-97 DATA

THATCH ASHED DRY WEIGHT: KG./SQ.M. 3/

NAME	WA3	WA4	MEAN
PENN G-2 (G-2)	2.6	2.1	2.3
PROVIDENCE	2.7	2.0	2.3
PENN A-1 (A-1)	2.6	2.0	2.3
DG-P	2.3	.	2.3
BAR WS 42102	2.5	2.0	2.2
PENN A-4 (A-4)	2.5	1.9	2.2
CENTURY (SYN 92-1)	2.4	2.0	2.2
PENN G-6 (G-6)	2.4	2.0	2.2
SOUTHSHORE	2.5	1.9	2.2
SR 1020	2.5	1.9	2.2
PRO/CUP	2.4	2.0	2.2
LOFTS L-93 (L-93)	2.3	2.0	2.1
CATO	2.3	2.0	2.1
PENNCROSS	2.4	1.9	2.1
IMPERIAL (SYN 92-5)	2.3	1.9	2.1
TRUELINE	2.4	1.9	2.1
ISI-AP-89150	2.4	1.8	2.1
CRENSHAW	2.4	1.8	2.1
LOPEZ	2.3	1.9	2.1
REGENI	2.4	1.8	2.1
PENNLINKS	2.4	1.7	2.1
TENDENZ	2.3	1.8	2.0
BACKSPIN (SYN 92-2)	2.2	1.9	2.0
18TH GREEN	2.3	1.7	2.0
BAR AS 492	2.4	1.6	2.0
MARINER (SYN-1-88)	2.2	1.8	2.0
SEASIDE	2.1	1.6	1.9
MSUEB	2.0	1.6	1.8
LSD VALUE	0.8	0.8	0.6
C.V. (%)	28.1	37.1	32.0

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ THATCH ASHED DRY WEIGHT RATED IN 1995-96.

TABLE 44. STIMPMETER READINGS OF BENIGRASS CULTIVARS 1/
 GROWN ON A GREEN AT STILLWATER, OK 2/
 1994-97 DATA

STIMPMETER READINGS IN FEET 3/				
NAME	AUGUST	SEPTEMBER	OCTOBER	MEAN
SR 1020	8	8	9.0	8.3
18TH GREEN	8	8	8.7	8.2
ISI-AP-89150	8	8	8.7	8.2
LOFTS L-93 (L-93)	8	8	8.7	8.2
REGENT	8	8	8.7	8.2
BACKSPIN (SYN 92-2)	8	8	8.3	8.1
CATO	8	8	8.3	8.1
DG-P	8	8	8.3	8.1
MARINER (SYN-1-88)	8	8	8.3	8.1
PENN A-1 (A-1)	8	8	8.3	8.1
PENN A-4 (A-4)	8	8	8.3	8.1
PENN G-6 (G-6)	8	8	8.3	8.1
PENNCROSS	8	8	8.3	8.1
PROVIDENCE	8	8	8.3	8.1
SEASIDE	8	8	8.3	8.1
TRUELINE	8	8	8.3	8.1
BAR WS 42102	8	8	8.0	8.0
CENTURY (SYN 92-1)	8	8	8.0	8.0
CRENSHAW	8	8	8.0	8.0
IMPERIAL (SYN 92-5)	8	8	8.0	8.0
LOPEZ	8	8	8.0	8.0
MSUEB	8	8	8.0	8.0
PENN G-2 (G-2)	8	8	8.0	8.0
PENNLINKS	8	8	8.0	8.0
PRO/CUP	8	8	8.0	8.0
SOUTHSHORE	8	8	8.0	8.0
LSD VALUE	-	-	1.3	0.4
C.V. (%)	0	0	5.4	1.8

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ STIMPMETER READINGS RATED IN 1997.

TABLE 45. ROOT DEPTH RATINGS OF BENIGRASS CULTIVARS 1/
 GROWN ON A GREEN AT DALIAS, TEXAS (TX1) 2/
 1994-97 DATA

ROOT DEPTH MEASURED THE LONGEST ROOT PER PLOT IN MILLIMETERS 3/

NAME	MARCH	JUNE	MEAN
BACKSPIN (SYN 92-2)	23.3	21.7	22.5
PENN G-2 (G-2)	22.0	21.3	21.7
PENNLINKS	21.3	21.3	21.3
PROVIDENCE	21.7	21.0	21.3
SR 1020	21.7	21.0	21.3
CRENSHAW	21.3	21.0	21.2
CATO	20.3	20.3	20.3
LOPEZ	20.3	20.3	20.3
DG-P	20.0	20.0	20.0
CENTURY (SYN 92-1)	19.3	19.7	19.5
MSUEB	19.7	19.3	19.5
SEASIDE	20.0	19.0	19.5
PENNCROSS	19.7	18.3	19.0
PENN A-4 (A-4)	18.7	19.0	18.8
PENN A-1 (A-1)	18.7	18.7	18.7
BAR AS 492	18.7	18.0	18.3
LOFTS L-93 (L-93)	18.3	18.3	18.3
REGENT	18.7	18.0	18.3
TRUELINE	17.7	18.3	18.0
18TH GREEN	18.0	17.7	17.8
MARINER (SYN-1-88)	18.0	17.7	17.8
SOUTHSHORE	18.0	17.7	17.8
ISI-AP-89150	17.7	17.7	17.7
PENN G-6 (G-6)	17.3	17.7	17.5
IMPERIAL (SYN 92-5)	17.3	17.3	17.3
PRO/CUP	17.7	17.0	17.3
TENDENZ	21.0	13.3	17.2
BAR WS 42102	15.7	15.3	15.5
LSD VALUE	8.1	12.6	9.4
C.V. (%)	14.4	19.2	15.3

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ ROOT DEPTH RATED IN 1996.

TABLE 46. DOLLAR SPOT RATINGS OF BENIGRASS CULTIVARS 1/
 GROWN ON A GREEN AT MADISON, WISCONSIN (WI1) 2/
 1994-97 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 3/

NAME	JUNE	JULY	MEAN
BAR AS 492	9.0	9.0	9.0
BAR WS 42102	9.0	9.0	9.0
CATO	9.0	9.0	9.0
DG-P	9.0	9.0	9.0
IMPERIAL (SYN 92-5)	9.0	9.0	9.0
ISI-AP-89150	9.0	9.0	9.0
LOFTS L-93 (L-93)	9.0	9.0	9.0
MARINER (SYN-1-88)	9.0	9.0	9.0
PENN A-1 (A-1)	9.0	9.0	9.0
PENN A-4 (A-4)	9.0	9.0	9.0
PENN G-2 (G-2)	9.0	9.0	9.0
PENN G-6 (G-6)	9.0	9.0	9.0
PENNCROSS	9.0	9.0	9.0
PROVIDENCE	9.0	9.0	9.0
SEASIDE	9.0	9.0	9.0
SR 1020	9.0	9.0	9.0
TENDENZ	9.0	9.0	9.0
TRUELINE	9.0	9.0	9.0
REGENT	8.7	9.0	8.8
SOUTHSHORE	8.7	9.0	8.8
18TH GREEN	9.0	8.3	8.7
BACKSPIN (SYN 92-2)	9.0	8.3	8.7
MSUEB	8.3	9.0	8.7
PENNLINKS	8.3	9.0	8.7
CENTURY (SYN 92-1)	9.0	8.0	8.5
LOPEZ	8.3	8.7	8.5
CRENSHAW	8.0	7.7	7.8
PRO/CUP	7.3	7.7	7.5
LSD VALUE	1.7	1.8	1.4
C.V. (%)	6.9	7.2	6.0

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ DOLLAR SPOT RATED IN 1996.

TABLE 47. TILLER COUNTS OF BENIGRASS CULTIVARS GROWN ON A GREEN AT DALLAS, TEXAS (TX1) 1/
1994-97 DATA

TILLER COUNTS MEASURED ON NUMBER OF TILLERS IN A 1.5 CM SAMPLE PER PLOT 2/ 3/

NAME	MARCH	JUNE	MEAN
PENN G-6 (G-6)	67.3	67.0	67.2
PENN A-1 (A-1)	66.3	64.3	65.3
TENDENZ	61.7	59.7	60.7
SOUTHSHORE	61.0	58.7	59.8
PROVIDENCE	60.0	59.3	59.7
BAR WS 42102	52.0	52.0	52.0
PENNLINKS	52.0	50.0	51.0
SEASIDE	51.7	48.7	50.2
TRUELINE	49.7	46.0	47.8
PENN A-4 (A-4)	49.0	46.0	47.5
18TH GREEN	46.3	48.0	47.2
SR 1020	47.7	46.0	46.8
PENN G-2 (G-2)	46.7	46.3	46.5
DG-P	46.3	46.3	46.3
BAR AS 492	45.7	45.7	45.7
CATO	45.3	45.3	45.3
IMPERIAL (SYN 92-5)	44.7	45.7	45.2
PRO/CUP	46.3	44.0	45.2
LOFTS L-93 (L-93)	44.0	44.0	44.0
REGENT	44.0	44.0	44.0
ISI-AP-89150	44.0	42.3	43.2
LOPEZ	42.0	42.3	42.2
PENNCROSS	42.7	38.3	40.5
MSUEB	40.7	40.0	40.3
CRENSHAW	41.3	39.0	40.2
MARINER (SYN-1-88)	41.0	39.0	40.0
BACKSPIN (SYN 92-2)	41.7	36.7	39.2
CENTURY (SYN 92-1)	39.7	38.0	38.8
LSD VALUE	27.3	22.7	24.3
C.V. (%)	22.5	21.4	21.7

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ TILLER COUNTS RATED IN 1996.

TABLE 48. PERCENT DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN AT LEXINGTON, KENTUCKY (KY1) 2/
1994-97 DATA

NAME	MAY 95	OCTOBER 95	MAY 97	MEAN
18TH GREEN	24.3	5.3	34.0	24.4
CRENSHAW	25.0	8.0	25.0	20.8
CENTURY (SYN 92-1)	12.0	8.0	31.0	20.5
BACKSPIN (SYN 92-2)	12.7	10.0	19.3	15.3
SR 1020	13.3	7.0	16.7	13.4
PRO/CUP	9.7	9.3	16.3	12.9
IMPERIAL (SYN 92-5)	13.7	1.0	18.3	12.8
MARINER (SYN-1-88)	6.7	2.7	19.7	12.2
PENN G-6 (G-6)	12.0	5.7	14.0	11.4
SOUTHSHORE	12.3	3.7	14.0	11.0
REGENT	6.7	5.0	15.7	10.8
PENN A-1 (A-1)	8.3	4.0	12.0	9.1
PENNCROSS	4.0	7.3	10.3	8.0
MSUEB	5.0	2.3	11.7	7.7
PROVIDENCE	7.0	2.3	10.0	7.3
TRUELINE	5.0	7.0	8.7	7.3
PENN G-2 (G-2)	7.0	1.0	9.0	6.5
LOPEZ	4.3	3.7	8.7	6.3
PENNLINKS	4.0	4.3	4.7	4.4
PENN A-4 (A-4)	2.0	4.0	5.3	4.2
BAR WS 42102	1.3	4.7	5.0	4.0
CATO	2.7	2.0	5.0	3.7
ISI-AP-89150	1.0	3.3	5.0	3.6
SEASIDE	2.3	0.0	5.3	3.3
BAR AS 492	0.0	0.0	5.7	2.8
DG-P	2.0	4.0	2.7	2.8
TENDENZ	0.0	0.0	4.0	2.0
LOFTS L-93 (L-93)	0.7	2.0	1.7	1.5
LSD VALUE	11.7	11.1	10.0	7.1
C.V. (%)	88.3	98.7	51.2	71.2

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/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 49. PERCENT BROWN PATCH (JULY) RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/ 3/
 1994-97 DATA

NAME	KY1
PENNCROSS	35.7
LOPEZ	29.3
PENN G-2 (G-2)	24.0
TENDENZ	21.0
REGENT	20.7
SEASIDE	20.7
PENN A-4 (A-4)	20.3
BAR AS 492	19.7
CATO	19.3
TRUELINE	19.0
LOFTS L-93 (L-93)	17.7
CRENSHAW	17.3
BACKSPIN (SYN 92-2)	15.3
CENTURY (SYN 92-1)	15.0
MARINER (SYN-1-88)	14.7
PRO/CUP	14.0
18TH GREEN	13.0
PENNLINKS	12.0
SR 1020	12.0
BAR WS 42102	11.7
MSUEB	11.7
PROVIDENCE	11.3
ISI-AP-89150	11.0
DG-P	10.0
SOUTHSHORE	9.3
PENN A-1 (A-1)	8.3
IMPERIAL (SYN 92-5)	8.0
PENN G-6 (G-6)	6.3
LSD VALUE	17.5
C.V. (%)	68.0

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ PERCENT BROWN PATCH (JULY) RATED IN 1997.

TABLE 50. BROWN PATCH RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN AT STILLWATER, OK 2/
1994-97 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 3/

NAME	JUNE 14	JUNE 21	JULY 15	SEPTEMBER 8	MEAN
PROVIDENCE	9.0	9.0	7.0	8.7	8.4
PENN G-6 (G-6)	8.7	8.3	7.3	8.3	8.2
CENTURY (SYN 92-1)	9.0	9.0	6.0	8.0	8.0
PENN A-1 (A-1)	9.0	8.3	7.3	7.3	8.0
IMPERIAL (SYN 92-5)	9.0	8.7	7.0	7.0	7.9
PENN A-4 (A-4)	9.0	8.3	7.0	7.3	7.9
BACKSPIN (SYN 92-2)	9.0	8.7	7.0	6.7	7.8
PENN G-2 (G-2)	9.0	8.0	6.0	8.0	7.8
CRENSHAW	8.3	8.7	6.7	7.0	7.7
PRO/CUP	9.0	8.7	6.3	6.7	7.7
18TH GREEN	9.0	8.0	6.0	7.3	7.6
CATO	8.7	8.7	5.0	8.0	7.6
SR 1020	8.7	8.7	6.3	6.7	7.6
TRUELINE	9.0	9.0	5.3	7.0	7.6
LOFTS L-93 (L-93)	8.7	8.3	6.7	6.3	7.5
MSUEB	9.0	9.0	6.0	5.7	7.4
LOPEZ	9.0	8.3	4.3	7.3	7.3
REGENT	8.0	8.0	5.0	7.7	7.2
PENNLINKS	9.0	8.7	5.0	5.3	7.0
SOUTHSHORE	9.0	8.0	5.0	6.0	7.0
PENNCROSS	8.7	9.0	4.3	5.7	6.9
BAR WS 42102	8.3	8.0	4.7	6.3	6.8
DG-P	8.3	8.0	5.3	5.7	6.8
SEASIDE	8.7	8.7	4.7	4.7	6.7
ISI-AP-89150	8.3	7.7	5.0	5.3	6.6
MARINER (SYN-1-88)	8.0	7.3	5.0	5.3	6.4
BAR AS 492	7.7	7.0	4.0	4.0	5.7
TENDENZ	8.3	7.7	4.0	2.3	5.6
LSD VALUE	1.9	3.4	1.7	1.8	0.9
C.V. (%)	7.2	11.8	16.8	17.2	7.3

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).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

3/ BROWN PATCH RATED IN 1994.