

NATIONAL TURFGRASS EVALUATION PROGRAM

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

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

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

Executive Director - Kevin N. Morris, National Turfgrass Federation, Inc.

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

CURRENT POLICY COMMITTEE MEMBERS:

Mr. Craig Edminster, Cebeco International Seeds, Inc.
Dr. Thomas Fermanian, University of Illinois
Mr. Donald Floyd, Pickseed West, Inc.
Dr. Michael Kenna, USGA Green Section
Dr. Anthony Koski, Colorado State University
Dr. Peter Landschoot, Penn State University
Dr. Dennis Martin, Oklahoma State University
Dr. Jeffrey Nus, Golf Course Superintendents Assoc. of America
Mr. Ike Thomas, Turfgrass America, Inc.

FOR ADDITIONAL REPORTS OR INFORMATION CONTACT:

Kevin Morris, Executive Director
National Turfgrass Evaluation Program
Beltsville Agricultural Research Center-West
Building 001, Room 245
Beltsville, Maryland 20705
kmorris@ntep.org
www.ntep.org

CONTENTS

1998 National Bentgrass (Putting Green) Test - 1999 data

LOCATIONS SUBMITTING DATA FOR 1999.....1

NATIONAL BENTGRASS (PUTTING GREEN) TEST, 1998 - Entries and Sponsors.....2

Table A - 1999 Locations, Site Descriptions and Management Practices
in the 1998 National Bentgrass (Putting Green) Test.....3

Table B - Locations and Data Collected in 1999.....4

Table 1 - Mean Turfgrass Quality Ratings of Bentgrass Cultivars Grown
on a Green at Twenty-Four Locations in the U.S.....7

Table 2 - Mean Turfgrass Quality Ratings of Bentgrass Cultivars For Each
Month Grown on a Green at Twenty-Four Locations in the U.S.....8

Table 3 - Ranking of Mean Turfgrass Quality Ratings of Bentgrass Cultivars
Grown on a Green at Twenty-Four Locations in the U.S.....9

Table 4 - Mean Turfgrass Quality Ratings of Bentgrass Cultivars Grown
on a Green at Three Locations Without Fungicides in the U.S.....10

Table 5 - Mean Turfgrass Quality Ratings of Bentgrass Cultivars Grown
on a Sand Green at Fourteen Locations in the U.S.....11

Table 6 - Mean Turfgrass Quality Ratings of Bentgrass Cultivars Grown
on a Soil Green at Ten Locations in the U.S.....12

Table 7 - Mean Turfgrass Quality Ratings of Bentgrass Cultivars Grown
on Sand or Soil Greens in the U.S.....13

Table 8 - Mean Turfgrass Quality Ratings of Bentgrass Cultivars Grown
on a Green at Eleven Locations Using 2.0-4.0 lbs. of
Nitrogen/1000 Sq. Ft./Year in the U.S.....14

Table 9 - Mean Turfgrass Quality Ratings of Bentgrass Cultivars Grown
on a Green at Eleven Locations Using 4.1-6.0 lbs. of
Nitrogen/1000 Sq. Ft./Year in the U.S.....15

Table 10- Mean Turfgrass Quality Ratings of Bentgrass Cultivars Grown
on a Green at Five Locations Using 6.1+ lbs. of
Nitrogen/1000 Sq. Ft./Year in the U.S.....16

Table 11- Mean Turfgrass Quality Ratings of Bentgrass Cultivars Grown
on a Green Using Different Nitrogen Levels.....17

Table 12- Genetic Color Ratings of Bentgrass Cultivars Grown on a Green...18

Table 13- Spring Greenup Ratings of Bentgrass Cultivars Grown on a Green..19

CONTENTS (Continued)

Table 14- Leaf Texture Ratings of Bentgrass Cultivars Grown on a Green....20

Table 15- Seedling Vigor Ratings of Bentgrass Cultivars Grown on a Green..21

Table 16 - Spring Density Ratings of Bentgrass Cultivars Grown on a Green..22

Table 17 - Summer Density Ratings of Bentgrass Cultivars Grown on a Green..23

Table 18 - Fall Density Ratings of Bentgrass Cultivars Grown on a Green....24

Table 19 - Percent Living Ground Cover (Spring) Ratings of Bentgrass
Cultivars Grown on a Green.....25

Table 20 - Percent Living Ground Cover (Summer) Ratings of Bentgrass
Cultivars Grown on a Green.....26

Table 21 - Percent Living Ground Cover (Fall) Ratings of Bentgrass
Cultivars Grown on a Green.....27

Table 22 - Frost Tolerance Ratings of Bentgrass Cultivars Grown on a Green.28

Table 23 - Winter Color Ratings of Bentgrass Cultivars Grown on a Green....29

Table 24 - Thatch Measurements of Bentgrass Cultivars Grown on a Green.....30

Table 25 - Microdochium Patch Ratings of Bentgrass Cultivars
Grown on a Green.....31

Table 26 - Dollar Spot Ratings of Bentgrass Cultivars Grown on a Green.....32

Table 27 - Brown Patch (Warm Temperature) Ratings of Bentgrass Cultivars
Grown on a Green.....33

Table 28 - Brown Patch (Cool Temperature) Ratings of Bentgrass Cultivars
Grown on a Green.....34

Table 29 - Pythium Blight Ratings of Bentgrass Cultivars Grown on a Green..35

Table 30 - Pink Snow Mold Ratings of Bentgrass Cultivars Grown on a Green..36

Table 31 - Mowing Quality Ratings of Bentgrass Cultivars Grown on a Green..37

Table 32 - Percent Establishment Ratings of Bentgrass Cultivars Grown
on a Green.....38

Table 33 - Establishment Ratings of Bentgrass Cultivars Grown
on a Green at Mead, NE.....39

Table 34 - Percent Establishment Ratings of Bentgrass Cultivars Grown
on a Green at Clemson, SC.....40

CONTENTS (Continued)

Table 35 - Establishment Ratings of Bentgrass Cultivars Grown
on a Green at Logan, UT.....41

Table 36 - Grow-in Ratings of Bentgrass Cultivars Grown
on a Green at Auburn, AL.....42

Table 37 - Scalping Ratings of Bentgrass Cultivars Grown on a Green.....43

Table 38 - Percent Pink Snow Mold Ratings of Bentgrass Cultivars
Grown on a Green at Lexington (Without Fungicides), KY.....44

Table 39 - Percent Dollar Spot Ratings of Bentgrass Cultivars
Grown on a Green at Lexington (Without Fungicides), KY.....45

LOCATIONS SUBMITTING DATA FOR 1999

<u>State</u>	<u>Location</u>	<u>Code</u>
Alabama	Auburn	AL1
Arizona	Tucson	AZ1
Illinois	Urbana	IL1
Iowa	Ames	IA1
Kansas	Manhattan	KS1
Kentucky	Lexington (With Fungicides)	KY1
Kentucky	Lexington (Without Fungicides)	KY2
Maine	Orono	ME1
Massachusetts	Amherst	MA1
Michigan	East Lansing	MI1
Missouri	Columbia	MO1
Montana	Bozeman	MT1
North Carolina	Raleigh	NC1
Nebraska	Mead	NE1
New Jersey	North Brunswick	NJ1
New York	Ithaca	NY1
Oklahoma	Stillwater	OK1
Pennsylvania	University Park	PA1
Rhode Island	Kingston (With Fungicides)	RI1
Rhode Island	Kingston (Without Fungicides)	RI2
South Carolina	Clemson	SC2
Texas	Dallas	TX1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Washington	Puyallup (With Fungicides)	WA3
Washington	Puyallup (Without Fungicides)	WA4
Wisconsin	Madison	WI1

1998 NATIONAL BENTGRASS TEST
(Putting Green)

Entries and Sponsors

Entry No.	Name	Species	Sponsor
1	Backspin	creeping	Turf Merchants, Inc.
2	Bavaria	velvet	Turf Merchants, Inc.
3	ABT-CRB-1	creeping	Budd Seeds
4	Crenshaw	creeping	ProSeeds Marketing
5	L-93	creeping	Standard Entry
6	Century	creeping	ProSeeds Marketing
7	Imperial	creeping	ProSeeds Marketing
8	ISI-Ap-5	creeping	Cebeco International Seeds, Inc.
9	BAR CB 8US3	creeping	Barenbrug Research
10	BAR AS 8FUS2	creeping	Barenbrug Research
11	Pick MVB	velvet	Pickseed West, Inc.
12	Pick CB 13-94	creeping	Pickseed West, Inc.
13	Syn 96-1	creeping	Texas A&M University
14	Syn 96-2	creeping	Pickseed West, Inc.
15	Syn 96-3	creeping	Texas A&M University
16	SRX 1BPAA	creeping	Seed Research of OR, Inc.
17	Brighton (SRX 1120)	creeping	Seed Research of OR, Inc.
18	SR 1119	creeping	Seed Research of OR, Inc.
19	Providence	creeping	Seed Research of OR, Inc.
20	SRX 1NJH	creeping	Seed Research of OR, Inc.
21	SR 7200	velvet	Seed Research of OR, Inc.
22	PST-A2E	creeping	Pure-Seed Testing, Inc.
23	Pennlinks	creeping	Tee-2-Green Corp.
24	Penncross	creeping	Standard Entry
25	Penn G-6	creeping	Tee-2-Green Corp.
26	Penn G-1	creeping	Tee-2-Green Corp.
27	Penn A-4	creeping	Tee-2-Green Corp.
28	Penn A-1	creeping	Tee-2-Green Corp.
29	Penn A-2	creeping	Tee-2-Green Corp.

TABLE A.

1999 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 1998 NATIONAL BENTGRASS (PUTTING 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
AL1	SAND	5.6-6.0	61-150	151-240	6.1-7.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
AZ1	SAND	7.6-8.5	61-150	376-500	2.1-3.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
IA1	SILTY CLAY LOAM	7.1-7.5	0-60	241-375	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
KS1	SILT LOAM AND SILT	6.6-7.0	151-270	241-375	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
KY1	SAND	6.6-7.0	0-60	151-240	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
KY2	SAND	-	-	-	-	FULL SUN	-	TO PREVENT STRESS
MA1	LOAM	6.1-6.5	151-270	241-375	5.1-6.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
ME1	-	-	-	-	-	-	-	-
MI1	SANDY LOAM	7.1-7.5	61-150	151-240	4.1-5.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
MO1	SAND	6.6-7.0	61-150	241-375	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
MT1	SILT LOAM AND SILT	7.1-7.5	61-150	501+	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
NC1	-	-	-	-	-	-	-	-
NE1	SILTY CLAY LOAM	6.6-7.0	61-150	241-375	5.1-6.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
NJ1	SAND	5.6-6.0	0-60	0-150	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
NY1	SANDY LOAM	6.1-6.5	151-270	241-375	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
OK1	SAND	6.6-7.0	61-150	0-150	5.1-6.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
PA1	LOAMY SAND	6.6-7.0	61-150	0-150	4.1-5.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
RI1	SILT LOAM AND SILT	5.6-6.0	61-150	151-240	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
RI2	SILT LOAM AND SILT	5.6-6.0	61-150	151-240	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
SC2	-	-	-	-	-	-	-	-
TX1	SAND	7.6-8.5	0-60	0-150	8.1+	FULL SUN	1/8-5/32	TO PREVENT STRESS
UT1	SAND	6.6-7.0	61-150	0-150	4.1-5.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
VA1	-	-	-	-	-	-	-	-
WA3	SAND	6.1-6.5	0-60	151-240	6.1-7.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
WA4	SAND	6.1-6.5	0-60	151-240	6.1-7.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
WI1	SILT LOAM AND SILT	-	-	-	2.1-3.0	FULL SUN	1/8-5/32	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 1999

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
AL1		X	X	X	X	X	X	X	X	X	X	X	X		
AZ1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IA1					X	X	X	X	X	X			X	X	X
IL1				X	X	X	X	X	X	X			X	X	
KS1				X	X	X	X	X	X						X
KY1			X	X	X	X	X	X	X	X			X		X
KY2			X	X	X	X	X	X	X	X			X	X	X
MA1				X	X	X	X	X	X	X				X	
ME1							X	X	X	X	X		X		X
MI1				X	X	X	X	X	X	X			X		
MO1				X	X	X	X	X	X	X			X		
MT1						X	X	X	X	X			X		X
NC1	X	X	X	X	X	X	X	X	X	X	X	X	X		X
NE1									X	X					
NJ1					X	X	X	X	X	X	X			X	
NY1							X	X	X	X			X		
OK1				X	X	X	X	X	X	X	X	X	X	X	X
PA1						X	X	X	X	X					
RI1				X	X	X	X	X	X	X	X		X	X	X
RI2									X	X	X				
SC2	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
UT1							X	X	X	X	X		X		
VA1							X	X	X	X	X	X	X		
WA3											X	X			
WA4			X	X	X	X	X	X	X	X	X	X	X		
WI1				X	X	X	X	X	X				X	X	X

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1999

LOCATION	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	FROST TOLERANCE	WINTER COLOR	THATCH MEASUREMENT	MICRODOCHIUM PATCH	DOLLAR SPOT	BROWN PATCH WARM TEMP.	PYTHIUM BLIGHT	BROWN PATCH COOL TEMP.
AL1									X	X					
AZ1		X	X	X					X	X					
IA1		X													
IL1		X	X	X											
KS1												X	X		
KY1	X	X	X	X	X				X						
KY2	X	X	X	X	X				X						
MA1	X														
ME1			X			X							X		
MI1	X		X		X										
MO1	X						X		X		X	X			
MT1	X	X	X	X				X							
NC1		X	X		X	X								X	
NE1				X											
NJ1	X												X		
NY1	X														
OK1	X	X	X	X	X	X	X		X			X			
PA1	X			X									X		X
RI1	X											X			
RI2												X			
SC2															
TX1		X	X												
UT1			X			X									
VA1									X						
WA3															
WA4	X	X	X	X											X
WI1		X	X	X											

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1999

LOCATION	PINK MOWING		INJURY RATING	PERCENT ESTABLISHMENT RATINGS	SCALPING RATING (JULY)	GROW-IN RATINGS			ESTABLISHMENT RATINGS					SNOW MOLD			PERCENT PINK		
	SNOW MOLD	QUALITY RATINGS				DEC.98	JAN.99	FEB.99	JULY	AUG.	OCT.	NOV.	MAY/99	MARCH	APRIL	6/10	6/15	6/19	
AL1					X	X	X	X											
AZ1																			
IA1				X															
IL1				X															
KS1																			
KY1																			
KY2				X									X	X	X	X	X		
MA1				X															
ME1		X																	
MI1																			
MO1																			
MT1																			
NC1				X															
NE1									X	X									
NJ1	X																		
NY1																			
OK1																			
PA1																			
RI1																			
RI2																			
SC2													X	X					
TX1																			
UT1													X		X				
VA1				X															
WA3																			
WA4			X																
WI1	X			X															

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A GREEN AT TWENTY-FOUR LOCATIONS IN THE U.S. 1/
1999 DATA

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

NAME	AL1	AZ1	IA1	IL1	KS1	KY1	MA1	ME1	MI1	MO1	MT1	NC1	NE1	NJ1	NY1	OK1	PA1	RI1	SC2	TX1	UT1	VA1	WA3	WI1	MEAN
* PENN A-4	5.8	7.8	6.4	4.8	5.6	7.5	6.4	6.6	6.6	5.9	6.9	4.6	7.8	5.7	7.0	7.3	8.0	6.7	8.2	6.2	4.5	6.6	6.0	6.6	6.5
* PENN A-1	5.5	7.3	6.4	4.7	6.1	8.0	6.4	6.8	6.4	5.3	7.1	4.2	6.8	7.1	6.8	7.4	7.7	6.5	8.2	6.2	4.1	6.3	5.2	6.3	6.4
* PENN G-1	5.5	7.2	6.4	4.3	5.7	7.3	6.5	6.7	6.0	6.2	6.7	5.8	6.5	6.4	7.3	7.1	7.3	6.1	7.5	6.0	4.5	6.8	5.8	6.2	6.3
* PENN A-2	5.7	7.2	6.3	4.9	6.0	7.8	6.6	6.5	6.3	6.4	7.1	5.4	6.5	5.7	7.2	7.1	7.4	6.8	7.7	5.9	3.5	6.5	5.2	6.0	6.3
SYN 96-1	5.3	6.9	6.3	5.3	5.6	7.3	6.4	6.7	6.2	6.3	6.9	5.1	5.8	6.1	7.1	7.0	7.9	6.4	7.8	6.2	5.4	6.0	4.5	6.1	6.3
SYN 96-3	5.3	7.0	6.3	4.8	5.6	6.9	6.0	6.8	6.4	6.0	6.5	4.8	6.5	6.3	6.5	7.3	7.9	6.0	8.1	6.1	5.3	6.4	4.8	6.4	6.2
* L-93	5.9	6.3	6.2	4.4	6.3	7.7	6.7	6.5	6.1	6.7	6.3	5.0	6.2	4.8	7.0	7.2	7.3	6.3	8.0	6.1	5.3	6.5	4.8	5.8	6.2
SYN 96-2	4.9	7.7	6.8	4.9	5.4	6.6	6.6	6.5	6.4	5.4	5.9	4.8	6.5	6.0	7.3	7.2	7.8	5.8	8.0	6.2	4.1	6.2	4.3	6.4	6.2
* PENN G-6	5.2	6.6	6.0	4.5	6.3	7.3	6.4	6.6	6.0	6.1	7.1	4.8	7.0	5.7	7.1	7.0	7.1	6.5	7.4	5.5	4.5	6.4	4.7	6.1	6.2
BAR AS 8FUS2	5.8	6.6	6.5	4.8	5.7	7.1	6.1	6.7	6.5	5.9	5.5	5.2	7.2	5.5	6.8	7.0	7.1	6.7	8.3	5.5	3.8	6.2	5.5	5.9	6.2
PST-A2E	6.6	7.4	6.3	4.2	5.3	7.5	5.8	6.6	6.6	6.3	6.1	4.6	6.0	5.8	6.4	6.9	7.7	6.2	7.7	5.7	4.5	6.0	4.8	5.7	6.1
ISI AP-5	6.0	6.4	6.2	4.5	6.1	6.9	6.5	6.7	6.3	5.4	6.4	5.2	5.8	5.2	7.0	6.9	6.8	4.8	7.8	6.0	3.8	6.1	5.3	6.3	6.0
* CENTURY	5.5	6.6	6.7	5.1	4.7	6.9	6.3	7.0	6.2	6.2	5.9	4.5	5.7	5.2	7.1	6.7	7.5	5.6	7.6	6.1	3.7	6.2	5.3	5.9	6.0
* IMPERIAL	5.5	6.2	6.7	4.8	5.6	6.6	6.2	6.6	6.1	5.3	6.2	5.3	5.0	5.1	6.7	6.7	7.1	6.1	7.8	5.8	4.2	5.9	5.8	6.0	6.0
ABT-CRB-1	4.8	6.4	6.4	4.2	5.6	7.1	5.7	7.3	6.3	5.2	6.5	4.7	6.5	5.9	6.3	7.0	8.3	4.6	7.8	5.7	4.2	6.0	4.8	5.9	6.0
* CRENSHAW	5.3	6.5	6.2	4.9	5.1	6.3	6.3	6.9	5.9	5.8	6.5	5.4	6.2	4.8	6.5	6.8	7.1	5.5	7.8	5.5	4.8	6.7	4.3	5.9	6.0
* SR 1119	5.5	6.5	5.9	4.4	6.0	7.2	5.9	6.5	6.2	5.9	6.3	4.9	5.3	5.4	7.1	6.7	6.9	5.8	7.8	5.2	3.8	6.2	4.8	6.2	5.9
SRX 1120	5.9	6.3	5.5	4.5	5.8	6.8	6.1	7.0	5.7	6.4	5.7	5.4	5.8	4.7	6.9	6.9	6.6	5.6	7.5	5.0	4.0	5.9	6.0	6.1	5.9
* PROVIDENCE	5.5	6.8	6.3	4.4	5.5	6.7	5.9	6.5	5.7	5.3	6.5	5.6	5.5	4.5	6.8	6.5	6.8	4.7	7.5	5.9	4.5	6.0	6.0	6.3	5.9
SRX 1BPAA	5.8	5.5	5.6	3.8	4.8	6.7	5.7	6.5	6.1	5.2	6.2	5.4	6.3	4.5	7.2	6.8	6.3	5.9	8.0	4.9	4.5	6.2	5.7	6.2	5.8
SRX 1NJH	5.6	6.1	6.2	4.5	5.5	7.4	5.9	6.9	5.7	5.0	5.8	5.1	5.0	5.3	7.0	7.3	6.7	5.3	7.9	5.2	3.5	6.3	4.5	6.1	5.8
* BACKSPIN	5.7	6.4	6.1	5.0	5.5	6.3	6.3	6.3	5.9	5.7	5.9	4.7	4.8	4.8	6.8	6.4	6.9	5.9	7.4	5.2	4.3	5.9	5.5	5.8	5.8
BAR CB 8US3	5.9	6.7	5.9	4.3	4.7	6.8	6.2	6.7	6.1	6.3	5.8	5.4	5.3	4.5	6.8	6.7	6.9	4.2	7.8	5.4	4.1	5.5	5.2	5.8	5.8
PICK CB 13-94	6.0	6.1	6.1	4.5	5.7	6.9	6.0	6.4	5.3	5.6	6.3	4.9	5.5	4.4	6.6	6.6	5.9	5.9	7.3	5.5	3.7	5.9	4.3	6.1	5.7
PICK MVB	6.0	3.5	4.9	3.8	5.3	5.5	6.1	7.6	6.9	4.7	5.6	4.8	3.8	6.4	6.3	6.3	8.3	7.2	8.1	3.6	2.7	5.6	6.2	6.1	5.6
* SR 7200	6.2	2.6	4.8	3.9	5.1	5.5	6.2	7.2	6.8	5.0	5.6	4.7	3.5	7.0	6.3	6.0	7.2	6.6	7.7	4.2	2.5	5.2	5.8	5.9	5.5
* PENNCROSS	5.1	5.1	5.6	4.4	5.7	6.0	5.7	6.3	5.1	5.0	6.5	5.7	5.0	3.7	7.0	6.1	5.4	5.5	6.8	5.2	3.3	6.0	5.0	6.0	5.5
* PENNLINKS	5.4	4.9	5.8	4.2	4.9	6.3	6.0	6.6	5.0	5.5	6.3	5.4	5.0	3.4	6.5	6.1	5.4	6.0	6.8	4.9	3.7	5.5	4.8	5.7	5.4
* BAVARIA	4.3	2.4	4.4	3.2	4.6	5.2	5.4	6.4	5.5	3.6	5.5	3.9	3.7	3.6	5.6	5.1	4.0	4.6	6.9	3.4	2.0	4.4	3.7	5.4	4.4
LSD VALUE	0.7	0.8	0.5	0.7	0.9	0.6	0.4	0.6	0.6	1.1	1.1	1.0	1.2	0.9	0.9	0.3	0.6	1.1	0.7	0.7	1.5	0.6	0.6	0.5	0.2
C.V. (%)	8.2	7.8	4.8	9.9	9.8	5.8	4.1	5.4	5.9	12.3	11.4	11.9	13.1	11.1	8.7	2.7	5.0	11.4	7.6	8.1	22.7	5.7	7.5	4.6	8.8

* COMMERCIALY AVAILABLE IN THE USA IN 1999.

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-FOUR LOCATIONS IN THE U.S. 1/
1999 DATA

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

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
PENN A-4	5.6	6.1	6.6	6.2	6.3	6.9	6.6	6.6	6.6	6.6	6.2	6.6	6.6
PENN A-1	5.8	5.8	6.7	6.1	6.1	6.8	6.6	6.6	6.6	6.6	6.1	6.1	6.4
PENN A-2	5.6	5.9	6.1	6.2	6.2	6.8	6.5	6.6	6.4	6.6	6.3	6.4	6.4
PENN G-1	5.4	5.7	6.3	5.9	5.7	6.7	6.6	6.7	6.5	6.7	6.4	6.6	6.4
SYN 96-1	4.9	5.9	6.4	6.0	6.2	6.7	6.5	6.7	6.5	6.5	6.0	6.0	6.3
SYN 96-3	5.1	5.5	6.1	6.0	6.2	6.6	6.7	6.7	6.4	6.3	5.8	6.1	6.3
L-93	5.6	5.7	5.8	6.0	5.9	6.6	6.3	6.4	6.5	6.7	6.1	6.1	6.3
BAR AS 8FUS2	5.4	5.5	6.1	5.7	5.9	6.5	6.2	6.4	6.2	6.5	6.1	6.3	6.2
SYN 96-2	5.3	5.7	6.2	6.0	6.3	6.8	6.5	6.6	6.3	6.3	5.6	5.9	6.2
PENN G-6	5.3	5.5	6.1	5.7	5.8	6.4	6.3	6.5	6.4	6.4	5.9	5.9	6.2
PST-A2E	5.0	5.7	6.1	6.1	6.2	6.7	6.3	6.3	6.4	6.5	5.7	5.9	6.2
ISI AP-5	5.5	6.1	6.1	5.9	5.8	6.3	6.1	6.2	6.2	6.3	5.8	6.1	6.1
CENTURY	5.5	5.7	6.4	6.0	6.0	6.5	6.2	6.1	6.2	6.1	5.4	5.9	6.1
IMPERIAL	5.4	5.7	5.9	5.8	5.9	6.4	6.2	6.2	6.0	6.1	6.0	6.1	6.0
ABT-CRB-1	5.1	5.3	5.6	5.6	5.9	6.5	6.2	6.2	6.4	6.1	5.6	5.6	6.0
CRENSHAW	5.6	5.7	5.6	5.8	5.6	6.1	6.3	6.3	6.2	6.2	5.7	5.9	6.0
SR 1119	5.1	5.6	6.3	5.9	5.9	6.2	6.1	6.0	6.1	6.3	5.8	5.8	6.0
SRX 1120	4.9	5.4	6.2	5.8	5.8	6.1	6.0	6.0	6.0	6.1	6.0	6.2	6.0
PROVIDENCE	5.7	5.9	6.5	5.8	5.5	6.1	5.8	6.1	5.9	6.3	5.9	6.2	6.0
SRX 1BPAA	4.9	5.4	5.9	5.6	5.6	6.0	5.8	5.8	5.9	6.1	5.8	6.1	5.9
SRX 1NJH	5.0	5.3	5.8	5.5	5.7	6.2	6.1	6.2	6.1	6.2	5.6	5.7	5.9
BACKSPIN	5.3	5.5	5.8	6.0	5.5	6.0	5.9	6.2	5.9	6.0	5.7	5.9	5.9
BAR CB 8US3	5.2	5.9	6.3	5.6	5.6	6.0	5.8	6.1	6.0	6.2	5.8	6.1	5.9
PICK CB 13-94	5.2	5.6	5.9	5.6	5.6	6.0	5.9	5.9	5.9	6.1	5.9	5.7	5.8
PICK MVB	4.4	5.5	5.3	5.3	5.5	5.9	5.8	5.5	5.5	6.0	5.3	6.0	5.7
SR 7200	4.8	6.6	5.9	5.6	5.6	5.6	5.6	5.3	5.2	5.8	5.3	5.4	5.6
PENNCROSS	5.3	5.5	6.0	5.4	5.1	5.6	5.6	5.4	5.4	5.7	5.3	5.6	5.5
PENNLINKS	5.3	5.5	5.8	5.5	5.1	5.5	5.5	5.5	5.4	5.6	5.3	5.4	5.5
BAVARIA	4.3	5.8	5.4	4.7	4.5	4.4	4.4	4.1	4.2	4.4	3.7	4.6	4.5
LSD VALUE	1.5	1.3	1.1	0.6	0.6	0.5	0.4	0.5	0.5	0.5	0.7	0.9	0.4
C.V. (%)	35.2	30.4	27.9	23.5	27.7	20.7	20.9	22.6	23.3	21.8	26.8	28.9	18.2

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 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN
ON A GREEN AT TWENTY-FOUR LOCATIONS IN THE U.S. 1/
1999 DATA

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

NAME	AL1	AZ1	IA1	IL1	KS1	KY1	MA1	ME1	MI1	MO1	MT1	NC1	NE1	NJ1	NY1	OK1	PA1	RI1	SC2	TX1	UT1	VA1	WA3	WI1	MEAN
PENN A-4	10.5	1.0	5.5	8.0	15.0	5.0	8.0	18.5	3.0	12.5	5.0	25.0	1.0	11.5	11.0	2.5	3.0	3.0	2.5	2.0	5.5	3.0	3.0	1.0	1
PENN A-1	15.5	4.0	7.5	11.0	3.0	1.0	6.0	8.5	6.5	21.5	1.5	28.0	4.0	1.0	15.0	1.0	7.0	6.5	2.5	3.0	14.0	8.0	14.0	4.5	2
PENN G-1	20.0	5.0	7.5	22.0	8.0	8.0	4.5	12.0	20.0	7.0	6.0	1.0	7.0	4.0	1.5	7.0	12.0	11.5	22.0	9.0	10.0	1.0	6.0	8.0	3
PENN A-2	13.0	6.0	10.5	4.0	5.0	2.0	3.0	21.0	9.5	3.0	3.0	8.5	7.0	11.5	3.5	8.0	10.0	2.0	18.5	10.0	24.5	4.5	14.0	17.0	4
SYN 96-1	24.0	8.0	10.5	1.0	13.0	8.0	8.0	12.0	14.0	4.5	4.0	14.0	15.0	6.0	6.5	9.5	4.0	8.0	12.0	4.0	1.0	18.0	24.5	11.5	5
SYN 96-3	22.5	7.0	13.0	9.5	13.0	14.0	20.5	8.5	8.0	10.0	10.5	21.0	7.0	5.0	23.0	4.0	5.0	14.0	4.0	5.5	2.0	6.5	19.5	3.0	6
L-93	6.0	19.0	14.0	19.5	1.0	3.0	1.0	21.0	16.0	1.0	15.0	15.0	11.5	21.0	11.0	6.0	11.0	9.0	7.0	5.5	3.0	4.5	19.5	24.5	7
SYN 96-2	27.0	2.0	1.0	5.5	20.0	21.5	2.0	24.0	6.5	18.0	20.5	19.5	7.0	7.0	1.5	5.0	6.0	18.5	6.0	1.0	15.5	13.0	27.0	2.0	8
PENN G-6	25.0	12.5	20.0	12.5	2.0	8.0	8.0	18.5	19.0	9.0	1.5	18.0	3.0	10.0	6.5	9.5	15.5	6.5	24.0	17.5	8.0	6.5	23.0	14.5	9
BAR AS 8FUS2	9.0	12.5	4.0	9.5	10.0	11.0	17.5	12.0	5.0	11.0	28.5	11.0	2.0	13.0	17.5	11.5	15.5	4.0	1.0	15.5	20.0	11.0	9.5	22.5	10
PST-A2E	1.0	3.0	10.5	25.0	21.5	4.0	25.0	16.0	4.0	6.0	19.0	26.0	13.0	9.0	25.0	13.5	8.0	10.0	18.5	14.0	8.0	18.0	19.5	27.0	11
ISI AP-5	5.0	17.0	16.0	14.5	4.0	14.0	4.5	12.0	9.5	19.0	12.0	12.0	15.0	16.0	11.0	15.0	21.5	25.0	10.5	8.0	18.5	15.0	11.5	4.5	12
CENTURY	15.5	11.0	2.0	2.0	28.0	16.0	10.5	4.5	12.5	8.0	22.0	27.0	17.0	17.0	6.5	20.5	9.0	20.5	20.0	7.0	22.0	13.0	11.5	20.5	13
IMPERIAL	18.0	21.0	3.0	7.0	13.0	21.5	14.0	16.0	17.5	20.0	17.5	10.0	23.5	18.0	20.0	20.5	15.5	11.5	10.5	12.0	12.5	23.0	6.0	17.0	14
ABT-CRB-1	28.0	16.0	5.5	23.0	16.0	12.0	27.0	2.0	11.0	23.5	10.5	24.0	7.0	8.0	27.0	11.5	1.5	27.5	16.0	13.0	12.5	18.0	19.5	20.5	15
CRENSHAW	22.5	14.5	16.0	5.5	23.0	23.0	12.0	6.5	21.0	14.0	9.0	6.5	11.5	19.5	23.0	17.0	15.5	23.0	15.0	17.5	4.0	2.0	27.0	22.5	16
SR 1119	18.0	14.5	21.0	17.5	6.0	10.0	22.5	24.0	12.5	12.5	15.0	16.5	20.5	14.0	6.5	18.5	20.0	18.5	13.0	23.0	18.5	13.0	19.5	8.0	17
SRX 1120	7.5	20.0	26.0	14.5	7.0	17.0	17.5	4.5	24.0	2.0	25.0	5.0	15.0	22.0	14.0	13.5	24.0	20.5	21.0	24.0	17.0	21.5	3.0	13.0	18
PROVIDENCE	18.0	9.0	10.5	17.5	17.5	19.0	24.0	24.0	24.0	21.5	7.5	3.0	18.5	23.5	17.5	23.0	21.5	26.0	23.0	11.0	8.0	18.0	3.0	6.0	19
SRX 1BPAA	10.5	24.0	25.0	27.0	26.0	20.0	27.0	21.0	15.0	23.5	17.5	4.0	10.0	23.5	3.5	16.0	25.0	17.0	8.0	25.0	5.5	10.0	8.0	8.0	20
SRX 1NJH	14.0	23.0	16.0	12.5	19.0	6.0	22.5	6.5	24.0	26.5	23.0	13.0	23.5	15.0	11.0	2.5	23.0	24.0	9.0	22.0	24.5	9.0	24.5	10.0	21
BACKSPIN	12.0	18.0	18.0	3.0	17.5	24.0	10.5	28.5	22.0	15.0	20.5	22.0	26.0	19.5	17.5	24.0	18.5	15.5	25.0	21.0	11.0	24.0	9.5	26.0	22
BAR CB 8US3	7.5	10.0	22.0	21.0	27.0	18.0	14.0	12.0	17.5	4.5	24.0	8.5	20.5	25.0	17.5	18.5	18.5	29.0	14.0	19.0	15.5	26.5	14.0	24.5	23
PICK CB 13-94	3.5	22.0	19.0	16.0	10.0	14.0	19.0	27.0	27.0	16.0	13.0	16.5	18.5	26.0	21.0	22.0	26.0	15.5	26.0	15.5	22.0	21.5	27.0	11.5	24
PICK MVB	3.5	27.0	27.0	28.0	21.5	27.5	16.0	1.0	1.0	28.0	26.5	19.5	27.0	3.0	27.0	25.0	1.5	1.0	5.0	28.0	27.0	25.0	1.0	14.5	25
SR 7200	2.0	28.0	28.0	26.0	24.0	27.5	14.0	3.0	2.0	25.0	26.5	23.0	29.0	2.0	27.0	28.0	13.0	5.0	17.0	27.0	28.0	28.0	6.0	19.0	26
PENNCROSS	26.0	25.0	24.0	19.5	10.0	26.0	27.0	28.5	28.0	26.5	7.5	2.0	23.5	27.0	11.0	26.0	27.5	22.0	28.0	20.0	26.0	18.0	16.0	17.0	27
PENNLINKS	21.0	26.0	23.0	24.0	25.0	25.0	20.5	16.0	29.0	17.0	15.0	6.5	23.5	29.0	23.0	27.0	27.5	13.0	29.0	26.0	22.0	26.5	19.5	28.0	28
BAVARIA	29.0	29.0	29.0	29.0	29.0	29.0	29.0	26.0	26.0	29.0	28.5	29.0	28.0	28.0	29.0	29.0	29.0	27.5	27.0	29.0	29.0	29.0	29.0	29.0	29

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 AT THREE LOCATIONS WITHOUT FUNGICIDES IN THE U.S. 1/
1999 DATA

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

NAME	KY2	RI2	WA4	MEAN
PENN A-1	7.1	5.7	5.9	6.2
PENN A-2	7.0	5.4	5.8	6.1
L-93	7.3	5.4	5.4	6.0
PENN A-4	7.0	4.4	5.9	5.8
PENN G-1	6.8	4.3	5.9	5.7
PENN G-6	6.8	4.8	5.5	5.7
PST-A2E	6.8	4.7	5.6	5.7
PICK MVB	5.2	5.2	6.6	5.7
SR 7200	5.3	4.8	6.9	5.6
PICK CB 13-94	6.3	5.1	5.2	5.5
SR 1119	6.8	4.3	5.3	5.5
SYN 96-3	5.9	4.7	5.7	5.4
IMPERIAL	5.8	4.8	5.7	5.4
ABT-CRB-1	6.5	4.0	5.7	5.4
ISI AP-5	6.3	4.2	5.6	5.4
SRX 1BPAA	6.3	4.0	5.8	5.4
CENTURY	6.1	3.8	6.1	5.3
SYN 96-1	6.2	4.1	5.5	5.3
BAR AS 8FUS2	6.0	4.0	5.7	5.2
PENNLINKS	6.0	5.0	4.7	5.2
SRX INJH	6.5	3.9	5.2	5.2
PENNCROSS	5.5	5.0	5.0	5.1
SRX 1120	6.3	3.4	5.7	5.1
BAR CB 8US3	5.8	3.4	5.9	5.1
BACKSPIN	5.8	3.8	5.6	5.0
SYN 96-2	5.8	3.6	5.6	5.0
PROVIDENCE	6.1	3.0	5.5	4.9
CRENSHAW	5.6	3.7	5.3	4.9
BAVARIA	5.0	4.6	4.3	4.6
LSD VALUE	0.5	1.0	0.4	0.4
C.V. (%)	5.4	14.0	4.9	8.0

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

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

TABLE 5.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A SAND GREEN AT FOURTEEN LOCATIONS IN THE U.S. 1/
1999 DATA

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

NAME	AL1	AZ1	KY1	MO1	NC1	NJ1	OK1	PA1	RI1	SC2	TX1	UT1	VA1	WA3	MEAN
PENN A-4	5.8	7.8	7.5	5.9	4.6	5.7	7.3	8.0	6.7	8.2	6.2	4.5	6.6	6.0	6.5
PENN G-1	5.5	7.2	7.3	6.2	5.8	6.4	7.1	7.3	6.1	7.5	6.0	4.5	6.8	5.8	6.4
PENN A-1	5.5	7.3	8.0	5.3	4.2	7.1	7.4	7.7	6.5	8.2	6.2	4.1	6.3	5.2	6.4
SYN 96-1	5.3	6.9	7.3	6.3	5.1	6.1	7.0	7.9	6.4	7.8	6.2	5.4	6.0	4.5	6.3
SYN 96-3	5.3	7.0	6.9	6.0	4.8	6.3	7.3	7.9	6.0	8.1	6.1	5.3	6.4	4.8	6.3
PENN A-2	5.7	7.2	7.8	6.4	5.4	5.7	7.1	7.4	6.8	7.7	5.9	3.5	6.5	5.2	6.3
L-93	5.9	6.3	7.7	6.7	5.0	4.8	7.2	7.3	6.3	8.0	6.1	5.3	6.5	4.8	6.3
PST-A2E	6.6	7.4	7.5	6.3	4.6	5.8	6.9	7.7	6.2	7.7	5.7	4.5	6.0	4.8	6.3
BAR AS 8FUS2	5.8	6.6	7.1	5.9	5.2	5.5	7.0	7.1	6.7	8.3	5.5	3.8	6.2	5.5	6.2
SYN 96-2	4.9	7.7	6.6	5.4	4.8	6.0	7.2	7.8	5.8	8.0	6.2	4.1	6.2	4.3	6.1
PENN G-6	5.2	6.6	7.3	6.1	4.8	5.7	7.0	7.1	6.5	7.4	5.5	4.5	6.4	4.7	6.1
CENTIURY	5.5	6.6	6.9	6.2	4.5	5.2	6.7	7.5	5.6	7.6	6.1	3.7	6.2	5.3	6.0
IMPERIAL	5.5	6.2	6.6	5.3	5.3	5.1	6.7	7.1	6.1	7.8	5.8	4.2	5.9	5.8	6.0
SRX 1120	5.9	6.3	6.8	6.4	5.4	4.7	6.9	6.6	5.6	7.5	5.0	4.0	5.9	6.0	5.9
CRENSHAW	5.3	6.5	6.3	5.8	5.4	4.8	6.8	7.1	5.5	7.8	5.5	4.8	6.7	4.3	5.9
ISI AP-5	6.0	6.4	6.9	5.4	5.2	5.2	6.9	6.8	4.8	7.8	6.0	3.8	6.1	5.3	5.9
SR 1119	5.5	6.5	7.2	5.9	4.9	5.4	6.7	6.9	5.8	7.8	5.2	3.8	6.2	4.8	5.9
ABT-CRB-1	4.8	6.4	7.1	5.2	4.7	5.9	7.0	8.3	4.6	7.8	5.7	4.2	6.0	4.8	5.9
PROVIDENCE	5.5	6.8	6.7	5.3	5.6	4.5	6.5	6.8	4.7	7.5	5.9	4.5	6.0	6.0	5.9
SRX 1BPAA	5.8	5.5	6.7	5.2	5.4	4.5	6.8	6.3	5.9	8.0	4.9	4.5	6.2	5.7	5.8
BAR CB 8US3	5.9	6.7	6.8	6.3	5.4	4.5	6.7	6.9	4.2	7.8	5.4	4.1	5.5	5.2	5.8
SRX 1NJH	5.6	6.1	7.4	5.0	5.1	5.3	7.3	6.7	5.3	7.9	5.2	3.5	6.3	4.5	5.8
BACKSPIN	5.7	6.4	6.3	5.7	4.7	4.8	6.4	6.9	5.9	7.4	5.2	4.3	5.9	5.5	5.8
PICK CB 13-94	6.0	6.1	6.9	5.6	4.9	4.4	6.6	5.9	5.9	7.3	5.5	3.7	5.9	4.3	5.7
PICK MVB	6.0	3.5	5.5	4.7	4.8	6.4	6.3	8.3	7.2	8.1	3.6	2.7	5.6	6.2	5.6
SR 7200	6.2	2.6	5.5	5.0	4.7	7.0	6.0	7.2	6.6	7.7	4.2	2.5	5.2	5.8	5.4
PENNLINKS	5.4	4.9	6.3	5.5	5.4	3.4	6.1	5.4	6.0	6.8	4.9	3.7	5.5	4.8	5.3
PENNCROSS	5.1	5.1	6.0	5.0	5.7	3.7	6.1	5.4	5.5	6.8	5.2	3.3	6.0	5.0	5.3
BAVARIA	4.3	2.4	5.2	3.6	3.9	3.6	5.1	4.0	4.6	6.9	3.4	2.0	4.4	3.7	4.1
LSD VALUE	0.7	0.8	0.6	1.1	1.0	0.9	0.3	0.6	1.1	0.7	0.7	1.5	0.6	0.6	0.2
C.V. (%)	8.2	7.8	5.8	12.3	11.9	11.1	2.7	5.0	11.4	7.6	8.1	22.7	5.7	7.5	9.2

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 6. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A SOIL GREEN AT TEN LOCATIONS IN THE U.S. 1/
1999 DATA

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

NAME	IA1	IL1	KS1	MA1	ME1	MI1	MT1	NE1	NY1	WI1	MEAN
PENN A-4	6.4	4.8	5.6	6.4	6.6	6.6	6.9	7.8	7.0	6.6	6.5
PENN A-1	6.4	4.7	6.1	6.4	6.8	6.4	7.1	6.8	6.8	6.3	6.4
PENN A-2	6.3	4.9	6.0	6.6	6.5	6.3	7.1	6.5	7.2	6.0	6.3
PENN G-6	6.0	4.5	6.3	6.4	6.6	6.0	7.1	7.0	7.1	6.1	6.3
SYN 96-2	6.8	4.9	5.4	6.6	6.5	6.4	5.9	6.5	7.3	6.4	6.3
SYN 96-1	6.3	5.3	5.6	6.4	6.7	6.2	6.9	5.8	7.1	6.1	6.2
PENN G-1	6.4	4.3	5.7	6.5	6.7	6.0	6.7	6.5	7.3	6.2	6.2
ISI AP-5	6.2	4.5	6.1	6.5	6.7	6.3	6.4	5.8	7.0	6.3	6.2
SYN 96-3	6.3	4.8	5.6	6.0	6.8	6.4	6.5	6.5	6.5	6.4	6.2
BAR AS 8FUS2	6.5	4.8	5.7	6.1	6.7	6.5	5.5	7.2	6.8	5.9	6.2
L-93	6.2	4.4	6.3	6.7	6.5	6.1	6.3	6.2	7.0	5.8	6.1
ABT-CRB-1	6.4	4.2	5.6	5.7	7.3	6.3	6.5	6.5	6.3	5.9	6.1
CENTURY	6.7	5.1	4.7	6.3	7.0	6.2	5.9	5.7	7.1	5.9	6.1
CRENSHAW	6.2	4.9	5.1	6.3	6.9	5.9	6.5	6.2	6.5	5.9	6.0
IMPERIAL	6.7	4.8	5.6	6.2	6.6	6.1	6.2	5.0	6.7	6.0	6.0
SR 1119	5.9	4.4	6.0	5.9	6.5	6.2	6.3	5.3	7.1	6.2	6.0
PROVIDENCE	6.3	4.4	5.5	5.9	6.5	5.7	6.5	5.5	6.8	6.3	5.9
SRX 1120	5.5	4.5	5.8	6.1	7.0	5.7	5.7	5.8	6.9	6.1	5.9
PST-A2E	6.3	4.2	5.3	5.8	6.6	6.6	6.1	6.0	6.4	5.7	5.9
SRX 1NJH	6.2	4.5	5.5	5.9	6.9	5.7	5.8	5.0	7.0	6.1	5.9
PICK CB 13-94	6.1	4.5	5.7	6.0	6.4	5.3	6.3	5.5	6.6	6.1	5.9
SRX 1BPAA	5.6	3.8	4.8	5.7	6.5	6.1	6.2	6.3	7.2	6.2	5.8
BACKSPIN	6.1	5.0	5.5	6.3	6.3	5.9	5.9	4.8	6.8	5.8	5.8
BAR CB 8US3	5.9	4.3	4.7	6.2	6.7	6.1	5.8	5.3	6.8	5.8	5.8
PENNCROSS	5.6	4.4	5.7	5.7	6.3	5.1	6.5	5.0	7.0	6.0	5.7
PICK MVB	4.9	3.8	5.3	6.1	7.6	6.9	5.6	3.8	6.3	6.1	5.6
PENNLINKS	5.8	4.2	4.9	6.0	6.6	5.0	6.3	5.0	6.5	5.7	5.6
SR 7200	4.8	3.9	5.1	6.2	7.2	6.8	5.6	3.5	6.3	5.9	5.5
BAVARIA	4.4	3.2	4.6	5.4	6.4	5.5	5.5	3.7	5.6	5.4	5.0
LSD VALUE	0.5	0.7	0.9	0.4	0.6	0.6	1.1	1.2	0.9	0.5	0.2
C.V. (%)	4.8	9.9	9.8	4.1	5.4	5.9	11.4	13.1	8.7	4.6	8.2

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 7. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON SAND OR SOIL GREENS 1/
1999 DATA

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

NAME	SAND	SOIL	MEAN
PENN A-4	6.5	6.5	6.5
PENN A-1	6.4	6.4	6.4
PENN G-1	6.4	6.2	6.3
PENN A-2	6.3	6.3	6.3
SYN 96-1	6.3	6.2	6.3
SYN 96-3	6.3	6.2	6.2
L-93	6.3	6.1	6.2
SYN 96-2	6.1	6.3	6.2
PENN G-6	6.1	6.3	6.2
BAR AS 8FUS2	6.2	6.2	6.2
PST-A2E	6.3	5.9	6.1
ISI AP-5	5.9	6.2	6.0
CENTURY	6.0	6.1	6.0
IMPERIAL	6.0	6.0	6.0
ABT-CRB-1	5.9	6.1	6.0
CRENSHAW	5.9	6.0	6.0
SR 1119	5.9	6.0	5.9
SRX 1120	5.9	5.9	5.9
PROVIDENCE	5.9	5.9	5.9
SRX 1BPAA	5.8	5.8	5.8
SRX 1NJH	5.8	5.9	5.8
BACKSPIN	5.8	5.8	5.8
BAR CB 8US3	5.8	5.8	5.8
PICK CB 13-94	5.7	5.9	5.7
PICK MVB	5.6	5.6	5.6
SR 7200	5.4	5.5	5.5
PENNCROSS	5.3	5.7	5.5
PENNLINKS	5.3	5.6	5.4
BAVARIA	4.1	5.0	4.4
LSD VALUE	0.2	0.2	0.2
C.V. (%)	9.2	8.2	8.8

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 8. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A GREEN AT ELEVEN LOCATIONS
USING 2.0-4.0 LBS OF NITROGEN/1000 SQ. FT./YEAR 1/
1999 DATA

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

NAME	AZ1	IA1	IL1	KS1	KY1	MO1	MT1	NJ1	NY1	RI1	WI1	MEAN
PENN A-1	7.3	6.4	4.7	6.1	8.0	5.3	7.1	7.1	6.8	6.5	6.3	6.5
PENN A-2	7.2	6.3	4.9	6.0	7.8	6.4	7.1	5.7	7.2	6.8	6.0	6.5
PENN A-4	7.8	6.4	4.8	5.6	7.5	5.9	6.9	5.7	7.0	6.7	6.6	6.4
SYN 96-1	6.9	6.3	5.3	5.6	7.3	6.3	6.9	6.1	7.1	6.4	6.1	6.4
PENN G-1	7.2	6.4	4.3	5.7	7.3	6.2	6.7	6.4	7.3	6.1	6.2	6.3
PENN G-6	6.6	6.0	4.5	6.3	7.3	6.1	7.1	5.7	7.1	6.5	6.1	6.3
SYN 96-2	7.7	6.8	4.9	5.4	6.6	5.4	5.9	6.0	7.3	5.8	6.4	6.2
SYN 96-3	7.0	6.3	4.8	5.6	6.9	6.0	6.5	6.3	6.5	6.0	6.4	6.2
L-93	6.3	6.2	4.4	6.3	7.7	6.7	6.3	4.8	7.0	6.3	5.8	6.2
PST-A2E	7.4	6.3	4.2	5.3	7.5	6.3	6.1	5.8	6.4	6.2	5.7	6.1
BAR AS 8FUS2	6.6	6.5	4.8	5.7	7.1	5.9	5.5	5.5	6.8	6.7	5.9	6.1
SR 1119	6.5	5.9	4.4	6.0	7.2	5.9	6.3	5.4	7.1	5.8	6.2	6.0
CENTURY	6.6	6.7	5.1	4.7	6.9	6.2	5.9	5.2	7.1	5.6	5.9	6.0
IMPERIAL	6.2	6.7	4.8	5.6	6.6	5.3	6.2	5.1	6.7	6.1	6.0	5.9
ISI AP-5	6.4	6.2	4.5	6.1	6.9	5.4	6.4	5.2	7.0	4.8	6.3	5.9
PICK CB 13-94	6.1	6.1	4.5	5.7	6.9	5.6	6.3	4.4	6.6	5.9	6.1	5.8
ABT-CRB-1	6.4	6.4	4.2	5.6	7.1	5.2	6.5	5.9	6.3	4.6	5.9	5.8
SRX 1120	6.3	5.5	4.5	5.8	6.8	6.4	5.7	4.7	6.9	5.6	6.1	5.8
BACKSPIN	6.4	6.1	5.0	5.5	6.3	5.7	5.9	4.8	6.8	5.9	5.8	5.8
SRX 1NJH	6.1	6.2	4.5	5.5	7.4	5.0	5.8	5.3	7.0	5.3	6.1	5.8
CRENSHAW	6.5	6.2	4.9	5.1	6.3	5.8	6.5	4.8	6.5	5.5	5.9	5.8
PROVIDENCE	6.8	6.3	4.4	5.5	6.7	5.3	6.5	4.5	6.8	4.7	6.3	5.8
BAR CB 8US3	6.7	5.9	4.3	4.7	6.8	6.3	5.8	4.5	6.8	4.2	5.8	5.6
SRX 1BPAA	5.5	5.6	3.8	4.8	6.7	5.2	6.2	4.5	7.2	5.9	6.2	5.6
PENNCROSS	5.1	5.6	4.4	5.7	6.0	5.0	6.5	3.7	7.0	5.5	6.0	5.5
PENNLINKS	4.9	5.8	4.2	4.9	6.3	5.5	6.3	3.4	6.5	6.0	5.7	5.4
PICK MVB	3.5	4.9	3.8	5.3	5.5	4.7	5.6	6.4	6.3	7.2	6.1	5.4
SR 7200	2.6	4.8	3.9	5.1	5.5	5.0	5.6	7.0	6.3	6.6	5.9	5.3
BAVARIA	2.4	4.4	3.2	4.6	5.2	3.6	5.5	3.6	5.6	4.6	5.4	4.4
LSD VALUE	0.8	0.5	0.7	0.9	0.6	1.1	1.1	0.9	0.9	1.1	0.5	0.3
C.V. (%)	7.8	4.8	9.9	9.8	5.8	12.3	11.4	11.1	8.7	11.4	4.6	9.1

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 9. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A GREEN AT EIGHT LOCATIONS
USING 4.1-6.0 LBS. OF NITROGEN/1000 SQ. FT./YEAR 1/
1999 DATA

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

NAME	MA1	ME1	MI1	NE1	OK1	PA1	UT1	VA1	MEAN
PENN A-4	6.4	6.6	6.6	7.8	7.3	8.0	4.5	6.6	6.7
SYN 96-3	6.0	6.8	6.4	6.5	7.3	7.9	5.3	6.4	6.6
PENN A-1	6.4	6.8	6.4	6.8	7.4	7.7	4.1	6.3	6.5
L-93	6.7	6.5	6.1	6.2	7.2	7.3	5.3	6.5	6.5
SYN 96-1	6.4	6.7	6.2	5.8	7.0	7.9	5.4	6.0	6.4
PENN G-1	6.5	6.7	6.0	6.5	7.1	7.3	4.5	6.8	6.4
SYN 96-2	6.6	6.5	6.4	6.5	7.2	7.8	4.1	6.2	6.4
ABT-CRB-1	5.7	7.3	6.3	6.5	7.0	8.3	4.2	6.0	6.4
PENN G-6	6.4	6.6	6.0	7.0	7.0	7.1	4.5	6.4	6.4
CRENSHAW	6.3	6.9	5.9	6.2	6.8	7.1	4.8	6.7	6.3
BAR AS 8FUS2	6.1	6.7	6.5	7.2	7.0	7.1	3.8	6.2	6.3
PENN A-2	6.6	6.5	6.3	6.5	7.1	7.4	3.5	6.5	6.3
PST-A2E	5.8	6.6	6.6	6.0	6.9	7.7	4.5	6.0	6.3
CENTURY	6.3	7.0	6.2	5.7	6.7	7.5	3.7	6.2	6.2
ISI AP-5	6.5	6.7	6.3	5.8	6.9	6.8	3.8	6.1	6.1
SFX 1BPAA	5.7	6.5	6.1	6.3	6.8	6.3	4.5	6.2	6.1
SFX 1120	6.1	7.0	5.7	5.8	6.9	6.6	4.0	5.9	6.0
IMPERIAL	6.2	6.6	6.1	5.0	6.7	7.1	4.2	5.9	6.0
BAR CB 8US3	6.2	6.7	6.1	5.3	6.7	6.9	4.1	5.5	5.9
SR 1119	5.9	6.5	6.2	5.3	6.7	6.9	3.8	6.2	5.9
SFX 1NJH	5.9	6.9	5.7	5.0	7.3	6.7	3.5	6.3	5.9
PROVIDENCE	5.9	6.5	5.7	5.5	6.5	6.8	4.5	6.0	5.9
PICK MVB	6.1	7.6	6.9	3.8	6.3	8.3	2.7	5.6	5.9
BACKSPIN	6.3	6.3	5.9	4.8	6.4	6.9	4.3	5.9	5.8
PICK CB 13-94	6.0	6.4	5.3	5.5	6.6	5.9	3.7	5.9	5.7
SR 7200	6.2	7.2	6.8	3.5	6.0	7.2	2.5	5.2	5.6
PENNLINKS	6.0	6.6	5.0	5.0	6.1	5.4	3.7	5.5	5.4
PENNCROSS	5.7	6.3	5.1	5.0	6.1	5.4	3.3	6.0	5.4
BAVARIA	5.4	6.4	5.5	3.7	5.1	4.0	2.0	4.4	4.6
LSD VALUE	0.4	0.6	0.6	1.2	0.3	0.6	1.5	0.6	0.3
C.V. (%)	4.1	5.4	5.9	13.1	2.7	5.0	22.7	5.7	8.2

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 10. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN AT FIVE LOCATIONS USING 6.1+ LBS. OF NITROGEN/1000 SQ. FT./YEAR 1/ 1999 DATA

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

NAME	AL1	NC1	SC2	TX1	WA3	MEAN
PENN A-4	5.8	4.6	8.2	6.2	6.0	6.2
PENN G-1	5.5	5.8	7.5	6.0	5.8	6.1
PROVIDENCE	5.5	5.6	7.5	5.9	6.0	6.1
BAR AS 8FUS2	5.8	5.2	8.3	5.5	5.5	6.1
ISI AP-5	6.0	5.2	7.8	6.0	5.3	6.1
IMPERIAL	5.5	5.3	7.8	5.8	5.8	6.0
SRX 1120	5.9	5.4	7.5	5.0	6.0	6.0
L-93	5.9	5.0	8.0	6.1	4.8	6.0
PENN A-2	5.7	5.4	7.7	5.9	5.2	6.0
SRX 1BPAA	5.8	5.4	8.0	4.9	5.7	6.0
BAR CB 8US3	5.9	5.4	7.8	5.4	5.2	5.9
PST-A2E	6.6	4.6	7.7	5.7	4.8	5.9
PENN A-1	5.5	4.2	8.2	6.2	5.2	5.9
SYN 96-3	5.3	4.8	8.1	6.1	4.8	5.8
CENTURY	5.5	4.5	7.6	6.1	5.3	5.8
SYN 96-1	5.3	5.1	7.8	6.2	4.5	5.8
SR 7200	6.2	4.7	7.7	4.2	5.8	5.7
PICK MVB	6.0	4.8	8.1	3.6	6.2	5.7
BACKSPIN	5.7	4.7	7.4	5.2	5.5	5.7
CRENSHAW	5.3	5.4	7.8	5.5	4.3	5.7
SRX 1NJH	5.6	5.1	7.9	5.2	4.5	5.7
SYN 96-2	4.9	4.8	8.0	6.2	4.3	5.7
SR 1119	5.5	4.9	7.8	5.2	4.8	5.6
PICK CB 13-94	6.0	4.9	7.3	5.5	4.3	5.6
PENNCROSS	5.1	5.7	6.8	5.2	5.0	5.6
ABT-CRB-1	4.8	4.7	7.8	5.7	4.8	5.6
PENN G-6	5.2	4.8	7.4	5.5	4.7	5.5
PENNLINKS	5.4	5.4	6.8	4.9	4.8	5.5
BAVARIA	4.3	3.9	6.9	3.4	3.7	4.4
LSD VALUE	0.7	1.0	0.7	0.7	0.6	0.3
C.V. (%)	8.2	11.9	7.6	8.1	7.5	9.0

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 11. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN USING DIFFERENT NITROGEN LEVELS 1/
1999 DATA

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

NAME	<u>LBS. OF NITROGEN/1000 SQ. FT./YEAR</u>			
	2.0-4.0	4.1-6.0	6.1+	MEAN
PENN A-4	6.4	6.7	6.2	6.5
PENN A-1	6.5	6.5	5.9	6.4
PENN G-1	6.3	6.4	6.1	6.3
PENN A-2	6.5	6.3	6.0	6.3
SYN 96-1	6.4	6.4	5.8	6.3
SYN 96-3	6.2	6.6	5.8	6.2
L-93	6.2	6.5	6.0	6.2
SYN 96-2	6.2	6.4	5.7	6.2
PENN G-6	6.3	6.4	5.5	6.2
BAR AS 8FUS2	6.1	6.3	6.1	6.2
PST-A2E	6.1	6.3	5.9	6.1
ISI AP-5	5.9	6.1	6.1	6.0
CENTURY	6.0	6.2	5.8	6.0
IMPERIAL	5.9	6.0	6.0	6.0
ABT-CRB-1	5.8	6.4	5.6	6.0
CRENSHAW	5.8	6.3	5.7	6.0
SR 1119	6.0	5.9	5.6	5.9
SRX 1120	5.8	6.0	6.0	5.9
PROVIDENCE	5.8	5.9	6.1	5.9
SRX 1BPAA	5.6	6.1	6.0	5.8
SRX 1NJH	5.8	5.9	5.7	5.8
BACKSPIN	5.8	5.8	5.7	5.8
BAR CB 8US3	5.6	5.9	5.9	5.8
PICK CB 13-94	5.8	5.7	5.6	5.7
PICK MVB	5.4	5.9	5.7	5.6
SR 7200	5.3	5.6	5.7	5.5
PENNCROSS	5.5	5.4	5.6	5.5
PENNLINKS	5.4	5.4	5.5	5.4
BAVARIA	4.4	4.6	4.4	4.4
LSD VALUE	0.3	0.3	0.3	0.2
C.V. (%)	9.1	8.2	9.0	8.8

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 12.

GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

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

NAME	AL1	AZ1	IA1	IL1	KY1	KY2	ME1	MI1	MO1	MT1	NC1	NY1	OK1	RI1	SC2	TX1	UT1	VA1	WA4	WI1	MEAN
L-93	6.7	6.3	7.7	6.0	9.0	9.0	7.3	6.0	7.0	7.3	6.7	7.3	7.3	6.7	7.7	7.3	5.7	7.0	7.3	7.3	7.1
SRX 1BPAA	7.3	7.0	6.3	6.3	8.7	8.7	8.0	5.3	7.0	8.3	7.0	7.0	7.7	6.3	7.7	6.7	4.7	6.7	8.0	7.7	7.1
SRX 1NJH	6.7	6.7	7.3	6.3	8.3	8.3	7.7	6.0	7.0	7.7	7.0	7.0	8.0	7.0	7.7	6.3	4.0	7.0	7.0	7.3	7.0
PST-A2E	7.0	6.7	6.7	6.0	8.7	8.7	7.3	6.3	6.7	6.7	8.0	6.7	7.7	6.7	7.0	7.7	4.0	6.7	7.0	7.3	7.0
SRX 1120	6.7	6.3	7.0	6.7	8.0	8.0	7.7	6.3	6.7	7.0	6.3	7.0	7.0	6.3	8.0	6.7	5.0	7.0	7.0	7.3	6.9
CRENSHAW	7.0	6.7	7.0	6.0	7.3	7.3	8.0	4.3	7.3	7.0	7.7	6.7	7.3	6.0	7.7	8.0	4.7	6.7	7.3	7.7	6.9
PENN A-2	6.0	7.7	7.3	6.7	9.0	9.0	7.7	4.7	7.0	7.0	7.0	7.0	7.3	6.3	7.0	6.7	3.3	6.7	6.7	7.0	6.9
SYN 96-2	6.0	7.7	7.7	5.7	7.7	7.7	7.7	6.0	6.7	7.3	6.3	7.0	8.0	6.0	7.3	7.7	4.0	6.7	6.7	7.3	6.9
PENN A-4	6.7	7.0	7.0	5.7	9.0	9.0	6.7	4.7	6.0	7.0	7.3	7.0	7.0	6.3	7.0	7.0	5.0	6.7	7.0	7.3	6.8
SR 1119	6.7	6.3	7.3	6.3	8.0	8.0	7.3	5.0	6.7	7.7	6.7	7.0	7.0	6.3	8.0	7.0	3.7	6.7	7.7	6.3	6.8
ISI AP-5	6.7	6.3	7.3	6.3	7.7	7.7	7.7	5.3	7.0	6.7	7.3	6.7	7.0	6.0	7.3	7.0	4.7	6.7	7.0	7.3	6.8
PICK CB 13-94	6.7	7.3	6.7	6.0	7.7	7.7	8.0	5.3	7.3	7.7	6.3	7.0	7.3	6.7	7.3	6.3	3.3	7.0	7.0	7.0	6.8
BAR CB 8US3	6.0	7.0	7.3	6.7	7.0	7.0	7.7	5.3	7.3	7.3	6.7	6.7	7.0	6.7	7.7	7.0	4.7	6.0	7.3	7.0	6.8
ABT-CRB-1	5.7	7.0	7.3	6.7	8.0	8.0	7.3	6.3	6.3	7.3	6.3	6.7	7.7	6.3	7.0	6.7	3.3	7.0	6.3	8.0	6.8
PENN A-1	5.3	7.0	7.3	5.7	8.7	8.7	7.7	5.0	7.0	6.3	7.0	6.7	7.0	6.3	7.0	6.7	4.3	6.0	7.0	7.3	6.7
PENN G-1	6.0	6.0	7.0	5.7	8.3	8.3	7.3	5.0	6.7	6.0	7.3	7.0	7.0	6.0	7.3	6.3	5.0	6.7	6.7	7.0	6.6
BAR AS 8FUS2	6.0	6.0	8.0	5.7	7.0	7.0	8.0	6.3	7.0	7.3	7.0	7.0	7.0	5.7	7.0	6.3	4.3	6.3	6.3	7.0	6.6
PROVIDENCE	6.0	6.0	7.7	6.0	7.0	7.0	7.0	4.7	7.0	6.7	6.7	6.7	7.0	6.7	7.3	6.7	5.0	6.7	7.0	6.7	6.6
CENTURY	5.0	5.7	7.0	6.0	7.0	7.0	8.0	4.3	7.3	7.3	6.0	6.3	7.0	7.0	7.0	7.3	4.3	6.0	6.3	7.0	6.5
PENN G-6	5.3	6.3	7.0	5.3	7.7	7.7	7.3	5.0	6.0	6.7	6.3	7.0	7.0	6.3	7.0	6.0	4.3	6.3	7.0	7.0	6.4
IMPERIAL	5.7	5.7	7.3	6.0	6.7	6.7	7.3	4.0	7.0	6.3	6.7	6.7	7.0	6.3	7.0	7.0	4.3	6.3	6.0	7.0	6.4
SYN 96-1	5.0	6.3	7.7	5.7	6.7	6.7	7.3	5.3	6.0	7.0	6.3	6.7	6.7	6.7	7.0	6.3	5.7	5.3	6.0	6.3	6.3
SYN 96-3	5.0	6.3	7.3	5.0	6.7	6.7	7.7	5.7	6.3	6.3	6.0	6.3	7.0	6.3	7.0	6.7	4.7	6.0	6.0	6.7	6.3
PICK MVB	7.3	4.0	7.3	4.0	5.3	5.3	6.0	7.7	7.0	7.7	6.7	6.3	7.3	6.7	6.0	7.3	2.3	7.0	5.0	8.0	6.2
BACKSPIN	5.3	5.7	8.0	6.0	6.7	6.7	6.3	4.7	6.0	6.7	7.0	6.7	6.7	6.3	6.7	6.0	3.7	6.0	6.0	6.7	6.2
PENNLINKS	6.0	5.3	7.0	4.7	6.0	6.0	8.3	4.3	6.3	7.0	6.7	6.0	7.3	6.0	7.0	6.0	3.3	6.7	5.7	6.0	6.1
PENNCROSS	5.7	5.7	7.7	4.7	5.7	5.7	7.7	5.0	6.0	6.3	5.7	7.0	7.0	6.7	7.3	6.7	3.0	6.0	4.7	7.0	6.1
SR 7200	7.7	3.7	7.3	4.0	5.0	5.0	5.7	7.3	5.7	7.7	7.0	6.7	6.7	7.0	6.3	7.3	2.0	7.0	5.0	7.0	6.1
BAVARIA	3.7	3.3	6.7	5.7	5.0	5.0	5.3	7.0	6.0	5.3	6.3	5.0	6.0	6.3	6.7	8.0	1.7	5.3	4.3	5.7	5.4
LSD VALUE	0.8	0.9	1.0	1.1	0.8	0.8	0.9	0.9	1.2	1.2	0.9	0.8	0.7	1.3	0.6	1.1	1.2	1.1	0.8	1.2	0.2
C.V. (%)	8.4	8.9	8.4	11.6	6.4	6.4	7.7	10.4	11.6	10.4	8.4	7.8	5.8	12.6	5.6	10.3	18.1	10.8	7.7	10.3	9.3

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 13.

SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

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

NAME	AZ1	IA1	IL1	KY2	MA1	NJ1	OK1	RI1	TX1	WI1	MEAN
ISI AP-5	6.3	6.0	5.3	7.0	7.3	4.3	6.0	5.3	7.3	8.3	6.3
PICK CB 13-94	6.7	6.7	5.7	7.3	5.7	4.7	6.0	5.7	7.0	7.7	6.3
CRENSHAW	6.7	6.3	5.3	7.0	6.3	4.0	6.0	6.0	7.3	7.7	6.3
L-93	6.0	6.0	5.7	6.0	7.3	5.3	6.0	6.0	6.7	7.7	6.3
PENN G-1	6.0	6.0	5.3	7.0	7.0	4.7	6.0	6.0	7.0	7.7	6.3
BAVARIA	4.0	6.3	3.7	9.0	6.0	7.0	5.3	8.3	5.3	7.3	6.2
PENN A-2	7.3	5.7	5.7	7.0	6.7	4.3	6.0	5.3	6.7	7.7	6.2
SR 7200	4.7	6.3	4.7	9.0	6.7	3.7	6.0	8.0	6.0	7.3	6.2
PENN A-1	6.3	6.7	6.0	7.7	6.3	3.7	6.0	5.3	6.7	7.7	6.2
PENN A-4	6.3	6.3	5.0	7.0	6.3	4.0	6.0	6.0	6.7	8.3	6.2
PENN G-6	6.0	6.0	5.0	7.0	6.7	4.0	6.0	5.7	7.7	7.7	6.2
PROVIDENCE	5.7	6.3	5.0	6.3	7.0	5.3	6.0	6.0	7.0	7.0	6.2
PST-A2E	7.0	6.3	4.3	7.7	4.7	3.7	6.0	6.3	8.0	7.7	6.2
SRX 1120	6.3	6.0	5.3	6.7	6.3	4.7	6.0	5.3	7.0	8.0	6.2
SYN 96-2	7.3	6.7	5.0	7.0	5.3	4.7	6.0	5.0	7.0	7.7	6.2
IMPERIAL	5.3	6.0	5.3	7.0	6.3	4.3	6.0	6.3	7.3	7.3	6.1
SRX 1BPAA	7.3	6.3	5.7	5.7	4.7	4.3	6.0	6.3	7.7	7.3	6.1
PENNCROSS	5.7	6.3	5.3	6.0	6.7	4.7	6.0	6.0	7.0	7.7	6.1
SR 1119	6.7	6.3	4.7	6.3	6.3	4.7	6.0	5.3	7.3	7.0	6.1
SYN 96-1	6.0	5.7	5.3	6.7	6.3	4.7	6.0	6.0	6.3	7.7	6.1
BAR CB 8US3	6.0	6.0	4.7	7.0	6.3	4.3	6.0	5.7	7.0	7.3	6.0
PENNLINKS	5.3	6.3	5.0	6.0	7.3	4.7	6.0	6.0	6.3	7.0	6.0
PICK MVB	5.7	6.0	4.0	9.0	5.0	3.7	5.3	8.3	6.0	6.3	5.9
BACKSPIN	5.3	5.7	5.3	5.0	6.7	5.3	6.0	6.0	6.3	7.7	5.9
ABT-CRB-1	6.7	6.0	4.0	8.0	4.7	4.3	5.7	5.3	7.0	7.3	5.9
BAR AS 8FUS2	5.7	6.3	4.7	6.3	5.3	4.3	6.0	6.3	6.7	7.3	5.9
CENTURY	6.0	6.3	5.3	6.0	7.0	4.0	6.0	5.7	5.3	7.3	5.9
SYN 96-3	6.0	6.0	5.3	6.3	4.7	3.3	6.0	6.0	6.3	8.0	5.8
SRX 1NJH	6.3	6.7	5.3	5.7	4.0	4.0	6.0	5.0	7.0	7.7	5.8
LSD VALUE	1.1	0.9	0.8	0.6	1.5	1.5	0.3	1.0	1.5	1.0	0.3
C.V. (%)	11.3	8.7	10.4	5.8	14.8	21.2	3.1	9.9	14.1	8.2	11.1

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 14.

LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

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

NAME	AZ1	IA1	KS1	KY1	KY2	ME1	MT1	NC1	OK1	RI1	SC2	TX1	WI1	MEAN
PICK MVB	5.7	8.7	7.0	9.0	9.0	9.0	6.7	8.0	9.0	9.0	9.0	7.3	9.0	8.2
SR 7200	4.7	8.7	7.0	9.0	9.0	9.0	6.3	7.7	9.0	9.0	7.7	6.0	8.7	7.8
BAVARIA	4.7	9.0	6.7	9.0	9.0	9.0	7.0	8.7	9.0	8.7	7.0	4.7	9.0	7.8
PENN A-1	8.0	7.7	8.0	8.3	8.3	5.0	5.3	5.0	8.0	7.7	8.0	8.7	7.3	7.3
ABT-CRB-1	7.3	7.0	8.0	8.0	8.0	6.7	5.7	5.0	7.7	7.7	8.0	8.0	7.7	7.3
SYN 96-3	7.3	7.7	8.0	8.0	8.0	5.7	6.0	5.0	8.0	7.3	8.0	7.7	7.7	7.3
PST-A2E	8.0	7.0	7.7	8.3	8.3	5.7	5.7	4.7	7.0	8.0	8.0	7.3	8.0	7.2
SYN 96-2	8.3	7.0	8.0	7.3	7.3	5.0	5.0	6.0	8.0	8.0	8.0	7.3	7.3	7.1
PENN A-2	7.7	6.7	7.7	8.0	8.0	4.7	5.7	6.3	7.0	8.0	7.7	7.7	7.0	7.1
CENTURY	7.7	6.0	7.3	8.0	8.0	5.3	6.0	5.7	7.3	7.3	8.0	8.0	6.7	7.0
SYN 96-1	7.7	7.7	8.0	7.7	7.7	3.7	5.3	5.3	8.0	7.7	8.0	7.0	7.3	7.0
PENN A-4	8.0	7.0	6.7	7.7	7.7	4.7	5.3	5.7	7.0	7.7	8.0	8.3	7.3	7.0
IMPERIAL	7.0	7.0	7.7	7.3	7.3	5.3	6.7	4.7	7.0	6.7	7.7	7.7	7.7	6.9
BAR CB 8US3	7.0	7.3	7.3	8.0	8.0	4.3	6.0	6.0	7.0	6.7	8.0	7.3	6.7	6.9
BAR AS 8FUS2	7.3	7.3	7.7	7.0	7.0	5.0	4.7	6.7	7.0	7.3	8.0	7.7	7.0	6.9
PROVIDENCE	7.0	7.0	7.3	7.7	7.7	4.3	5.3	6.0	7.0	7.3	8.0	6.3	7.0	6.8
PENN G-1	7.3	7.0	7.3	7.0	7.0	5.3	5.3	6.0	7.3	7.0	7.7	6.0	7.0	6.7
L-93	6.7	7.3	7.7	7.3	7.3	4.0	5.7	5.7	7.0	7.7	7.3	6.7	6.7	6.7
CRENSHAW	7.0	6.7	7.3	6.7	6.7	6.0	4.3	5.7	7.0	7.0	8.0	6.7	7.3	6.6
ISI AP-5	7.0	7.0	7.3	6.3	6.3	5.3	6.3	5.7	7.0	6.7	7.7	6.7	7.0	6.6
PENN G-6	7.3	6.3	7.0	7.3	7.3	5.0	5.0	6.0	7.3	7.3	7.3	6.0	7.0	6.6
SRX 1120	7.0	6.7	6.7	7.0	7.0	4.0	5.7	6.0	7.7	7.3	8.0	6.0	6.7	6.6
SR 1119	6.7	7.3	7.3	6.0	6.0	4.7	5.7	5.7	7.3	7.3	7.7	6.0	7.3	6.5
BACKSPIN	6.7	7.3	7.0	6.7	6.7	4.7	5.0	5.3	7.3	7.0	7.3	6.7	6.3	6.5
SRX 1NJH	6.7	6.0	7.0	6.3	6.3	4.7	5.3	5.0	7.0	7.0	7.7	7.0	7.0	6.4
SRX 1BPAA	6.3	6.3	7.0	5.7	5.7	4.0	5.3	5.3	7.0	7.0	7.3	6.0	6.3	6.1
PICK CB 13-94	6.0	6.0	6.7	6.0	6.0	4.3	4.3	5.0	6.7	7.3	7.3	6.0	6.7	6.0
PENNCROSS	5.3	7.0	6.3	4.0	4.0	5.7	6.0	5.3	6.0	6.7	7.0	5.7	6.0	5.8
PENNLINKS	5.3	6.0	6.3	4.0	4.0	5.0	5.3	6.0	6.0	7.3	7.0	6.0	6.3	5.7
LSD VALUE	1.0	1.2	0.9	0.8	0.8	1.5	1.1	0.9	0.5	0.8	0.7	1.1	0.8	0.3
C.V. (%)	8.7	10.5	7.7	6.7	6.7	17.3	12.0	9.2	4.1	6.7	5.9	10.4	7.3	8.7

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 15.

SEEDLING VIGOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

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

NAME	KY1	KY2	MA1	MI1	MO1	MT1	NJ1	NY1	OK1	PA1	RI1	WA4	MEAN
PENN A-4	8.7	8.7	8.0	5.0	7.7	7.0	8.0	6.7	6.0	6.3	8.0	7.0	7.3
PENN A-2	8.3	8.3	7.7	6.7	7.0	7.0	7.0	7.0	6.0	7.3	7.3	6.3	7.2
PENN G-1	8.3	8.3	7.3	4.0	7.7	6.7	8.0	6.7	6.0	7.7	7.3	6.3	7.0
PENN A-1	8.3	8.3	7.3	5.3	5.0	6.3	7.7	6.0	7.0	7.0	8.3	6.7	6.9
BACKSPIN	8.0	8.0	7.7	4.0	7.7	6.0	7.0	7.0	5.0	7.0	7.3	6.7	6.8
CRENSHAW	8.3	8.3	7.0	5.7	6.0	6.0	7.7	7.0	5.3	7.0	6.7	6.3	6.8
PENNCROSS	8.3	8.3	7.3	4.3	6.3	6.3	6.7	7.0	5.3	7.7	6.7	7.0	6.8
SYN 96-1	7.7	7.7	6.0	4.3	7.3	6.7	7.0	6.7	6.7	7.3	8.0	5.7	6.8
L-93	7.0	7.0	8.0	5.0	7.7	5.7	7.0	6.7	5.7	7.3	7.3	6.3	6.7
PENN G-6	8.0	8.0	7.3	4.0	7.0	7.7	6.7	6.0	5.0	6.7	7.0	6.3	6.6
PENNLINKS	8.3	8.3	7.7	3.7	5.7	6.3	6.7	7.0	5.7	7.3	6.3	6.0	6.6
PROVIDENCE	8.3	8.3	6.7	4.7	5.7	6.3	7.0	6.0	6.0	7.3	6.3	5.7	6.5
CENTURY	7.7	7.7	7.3	3.3	6.7	5.3	6.0	6.7	6.0	7.0	8.0	6.7	6.5
IMPERIAL	8.0	8.0	6.3	5.3	6.3	5.3	6.0	7.0	5.7	6.7	7.0	5.7	6.4
PICK CB 13-94	7.7	7.7	6.3	2.3	6.0	6.3	6.0	7.0	6.0	6.7	7.3	6.7	6.3
SR 1119	7.3	7.3	6.0	4.3	6.7	5.3	7.0	7.3	5.3	6.7	6.3	6.3	6.3
ISI AP-5	7.3	7.3	6.7	3.3	6.3	6.0	6.3	6.7	5.7	6.7	6.0	5.3	6.1
SYN 96-3	7.7	7.7	5.3	3.0	7.3	5.0	6.3	6.0	5.7	5.7	7.7	6.0	6.1
BAR AS 8FUS2	7.3	7.3	6.0	2.7	6.3	5.0	5.7	6.3	6.0	6.3	7.7	6.3	6.1
SRX 1BPAA	7.3	7.3	5.7	3.3	5.7	5.3	6.3	6.7	5.7	6.7	7.0	6.0	6.1
SRX 1120	7.7	7.7	5.7	3.0	7.3	5.7	5.3	7.3	5.3	5.0	7.0	5.7	6.1
BAR CB 8US3	8.0	8.0	6.3	2.3	6.0	5.7	5.0	6.7	6.0	6.0	5.7	6.0	6.0
SYN 96-2	7.3	7.3	5.7	3.7	4.7	5.3	5.7	5.7	6.3	6.3	7.3	6.0	5.9
BAVARIA	6.7	6.7	5.0	4.7	5.0	5.3	7.3	5.0	4.3	7.0	7.0	5.7	5.8
ABT-CRB-1	6.0	6.0	5.7	4.0	5.3	6.3	6.0	6.7	5.3	6.0	5.3	6.0	5.7
SR 7200	5.3	5.3	5.7	3.7	4.7	4.7	7.0	3.7	5.7	6.3	8.7	6.7	5.6
PST-AZE	6.7	6.7	5.3	3.7	5.7	6.0	5.0	5.7	4.0	4.0	6.7	6.0	5.4
SRX 1NJH	6.3	6.3	4.7	3.3	4.0	4.0	5.7	6.3	6.0	5.3	6.3	5.7	5.3
PICK MVB	5.0	5.0	4.3	2.7	5.7	4.3	6.3	4.7	5.3	6.0	8.7	5.0	5.3
LSD VALUE	1.0	1.0	1.8	2.0	2.1	1.9	0.9	1.4	1.5	1.1	1.8	1.3	0.4
C.V. (%)	8.0	8.0	17.2	31.7	21.3	20.6	8.4	13.5	16.9	10.3	15.4	13.3	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 16.

SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/											
	AZ1	IA1	IL1	KY1	KY2	MT1	NC1	OK1	TX1	WA4	WI1	MEAN
PENN A-1	8.0	6.3	5.7	8.3	8.3	6.3	6.3	7.7	6.3	6.0	6.0	6.8
PENN A-4	6.7	6.7	5.7	7.3	7.3	7.0	6.7	8.0	6.0	6.3	6.7	6.8
BACKSPIN	6.0	6.7	6.0	7.7	7.7	6.0	6.7	6.3	5.7	6.3	7.0	6.5
CENTURY	7.0	7.0	5.0	8.3	8.3	5.3	5.7	6.7	6.3	6.3	6.0	6.5
SYN 96-1	7.0	7.0	4.3	7.7	7.7	6.7	6.3	7.0	5.7	6.3	6.3	6.5
PENN A-2	7.7	6.7	5.0	7.0	7.0	7.0	6.7	7.0	5.3	5.7	6.3	6.5
ABT-CRB-1	6.7	6.0	4.7	8.7	8.7	6.3	5.0	7.0	5.3	6.7	6.0	6.5
PENN G-6	6.7	6.7	4.7	7.3	7.3	7.7	6.3	7.0	5.7	5.3	6.0	6.4
PENN G-1	7.3	7.3	4.0	6.7	6.7	6.7	6.7	7.7	5.7	6.0	5.7	6.4
PROVIDENCE	7.7	7.0	5.0	7.0	7.0	6.3	6.3	6.3	6.3	5.0	6.0	6.4
IMPERIAL	6.3	7.0	6.0	7.3	7.3	5.3	6.3	7.0	5.7	5.7	5.7	6.3
SYN 96-2	7.3	7.7	5.3	7.0	7.0	5.3	6.0	7.3	5.3	6.0	5.3	6.3
BAR AS 8FUS2	7.0	7.7	4.7	7.3	7.3	5.0	6.0	6.7	5.7	6.0	6.3	6.3
L-93	6.3	7.3	4.3	7.0	7.0	5.7	6.0	7.0	6.0	5.7	7.0	6.3
SR 1119	7.3	6.7	5.0	7.3	7.3	5.3	6.3	6.7	5.0	6.0	6.3	6.3
ISI AP-5	6.3	6.7	4.3	7.0	7.0	6.0	6.7	7.0	6.0	5.7	6.0	6.2
BAR CB 8US3	6.3	6.3	3.7	7.7	7.7	5.7	6.0	6.3	6.0	6.0	5.7	6.1
SYN 96-3	6.7	6.7	5.0	6.3	6.3	5.0	6.0	7.7	5.7	6.3	5.7	6.1
CRENSHAW	6.7	5.7	5.0	7.0	7.0	6.0	6.3	6.7	5.3	5.3	6.0	6.1
SRX 1120	7.3	6.0	5.7	7.0	7.0	5.7	5.7	6.3	5.0	5.7	5.7	6.1
PENNLINKS	5.7	6.7	5.0	7.0	7.0	6.3	6.0	6.0	6.0	5.3	5.7	6.1
PICK CB 13-94	6.3	6.7	4.0	7.0	7.0	6.3	5.7	6.7	5.3	5.3	6.3	6.1
PST-A2E	7.0	6.3	3.7	8.0	8.0	6.0	4.7	6.7	5.0	6.3	5.0	6.1
PENNCROSS	6.3	6.3	4.7	6.7	6.7	6.3	6.0	6.7	6.3	4.3	6.0	6.0
SRX 1BPAA	6.0	6.0	4.3	6.7	6.7	5.3	6.0	7.0	5.0	5.7	5.7	5.8
SR 7200	2.0	5.7	4.3	6.7	6.7	4.7	8.0	7.0	5.7	7.7	5.3	5.8
SRX 1NJH	6.3	6.3	4.3	7.0	7.0	4.0	4.7	7.0	4.7	5.3	6.3	5.7
PICK MVB	3.3	5.7	5.0	5.7	5.7	4.3	6.7	7.7	4.7	7.0	5.3	5.5
BAVARIA	1.3	6.3	3.7	5.3	5.3	5.3	7.7	7.0	5.0	6.3	5.0	5.3
LSD VALUE	1.1	1.3	1.6	0.9	0.9	1.9	1.5	0.7	1.3	1.1	1.4	0.4
C.V. (%)	11.0	12.4	20.9	7.8	7.8	20.6	15.1	6.2	14.6	11.7	14.5	13.0

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

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

TABLE 17.

SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

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

NAME	AZ1	IL1	KY1	KY2	ME1	MI1	MT1	NC1	OK1	TX1	UT1	WA4	WI1	MEAN
SYN 96-3	9.0	6.7	8.3	8.0	8.0	7.7	7.3	8.0	8.0	7.0	5.7	7.7	7.0	7.6
PICK MVB	3.7	7.3	8.0	7.3	7.7	9.0	7.0	8.0	7.0	8.0	8.7	9.0	6.7	7.5
SR 7200	2.7	6.0	8.3	8.0	9.0	8.7	7.0	8.0	6.3	8.0	9.0	8.7	6.7	7.4
SYN 96-1	9.0	6.7	9.0	8.3	6.3	8.0	8.0	7.3	8.0	7.3	5.7	7.0	5.7	7.4
ABT-CRB-1	9.0	7.0	7.7	7.7	8.3	8.3	7.0	7.7	7.0	7.3	6.3	7.0	6.0	7.4
HENN A-1	9.0	7.0	8.0	7.7	7.3	8.0	8.0	8.0	7.7	6.7	5.7	7.3	5.7	7.4
SYN 96-2	9.0	7.0	7.3	7.3	6.3	8.3	7.3	8.3	8.0	7.0	5.7	7.0	7.0	7.4
HENN A-4	9.0	7.0	7.7	7.0	6.3	6.7	7.7	8.3	7.0	7.0	5.3	7.0	6.0	7.1
EST-A2E	8.7	6.0	7.3	7.0	6.0	7.7	7.3	8.3	7.0	7.0	6.0	7.0	6.3	7.1
BAR AS 8FUS2	8.0	7.0	8.0	6.7	7.7	7.0	7.7	8.3	6.7	6.3	5.0	7.0	6.3	7.1
HENN G-1	8.7	6.0	6.7	6.7	8.0	7.0	7.7	8.0	7.0	6.3	5.3	7.3	6.0	7.0
L-93	8.3	6.3	7.7	6.7	7.3	7.0	7.7	8.7	7.0	6.3	5.3	6.3	5.7	6.9
CENTURY	8.3	6.3	7.7	6.7	7.0	7.3	7.0	7.3	7.0	6.7	5.3	7.0	6.0	6.9
IMPERIAL	8.3	5.7	7.7	7.0	7.7	6.7	7.3	8.0	6.3	6.0	6.3	6.7	5.7	6.9
HENN A-2	8.7	6.3	7.3	7.0	6.0	7.7	7.7	8.0	7.0	6.3	5.0	6.7	5.7	6.9
CRENSHAW	8.0	6.0	6.3	6.0	7.3	6.3	7.3	8.3	6.7	6.3	5.7	7.0	6.0	6.7
SRX 1NJH	7.7	6.3	6.3	6.0	6.7	7.3	7.3	8.3	7.0	6.7	5.7	6.0	5.7	6.7
BAR CB 8US3	8.3	6.7	6.0	5.7	7.7	7.0	7.0	7.7	6.7	6.3	5.0	6.7	6.0	6.7
HENN G-6	8.0	6.0	6.7	6.7	7.7	6.3	7.3	7.3	7.0	5.3	5.3	7.0	6.0	6.7
BACKSPIN	8.3	6.3	6.7	6.0	7.3	6.3	7.3	6.7	6.7	6.3	5.3	7.3	5.0	6.6
ISI AP-5	8.3	6.0	5.7	5.7	7.7	6.3	7.3	8.0	6.7	6.0	5.0	6.0	6.3	6.5
PROVIDENCE	7.7	6.0	5.7	6.3	7.0	6.3	7.0	8.0	6.3	6.7	5.3	6.7	5.7	6.5
SR 1119	7.3	6.0	6.3	6.3	6.7	6.3	8.0	7.7	6.3	6.0	5.0	6.3	6.0	6.5
PICK CB 13-94	7.3	6.0	6.3	6.0	8.0	6.3	7.0	7.7	6.3	6.0	5.0	6.0	5.7	6.4
SRX 1120	7.0	5.7	6.3	6.7	7.3	6.7	7.0	7.3	6.3	5.7	5.0	6.7	5.7	6.4
SRX 1BPAA	6.3	6.3	5.3	5.7	7.0	6.0	7.0	7.3	6.7	6.7	4.7	6.0	5.7	6.2
BAVARIA	1.7	7.3	3.3	3.3	9.0	5.3	7.0	7.3	5.3	6.7	9.0	6.0	5.0	5.9
HENNCROSS	6.0	4.3	4.7	4.3	7.7	4.7	8.0	8.0	5.0	4.7	4.7	5.0	6.0	5.6
HENNLINKS	6.0	5.0	4.0	4.0	7.7	5.0	7.7	7.7	5.0	4.7	4.7	6.0	5.7	5.6
LSD VALUE	0.9	1.0	1.5	1.2	1.8	1.4	1.1	0.9	0.6	1.1	0.9	0.8	1.0	0.3
C.V. (%)	7.7	9.6	13.3	11.1	15.6	12.2	9.1	7.2	6.0	10.9	9.4	7.2	11.0	10.4

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.

TABLE 18.

FALL DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/										MEAN
	AZ1	IL1	KY1	KY2	MT1	NE1	OK1	PA1	WA4	WI1	
PENN A-1	6.3	7.0	8.7	8.7	8.3	9.0	8.0	8.0	8.0	7.0	7.9
PICK MVB	4.0	8.0	9.0	9.0	7.3	6.3	7.3	9.0	8.3	7.7	7.6
PENN A-2	6.7	7.7	7.7	7.7	8.0	8.7	7.7	7.7	7.3	7.0	7.6
SR 7200	4.0	6.7	9.0	9.0	8.3	6.0	7.0	9.0	8.7	8.0	7.6
PENN A-4	6.7	7.3	7.7	7.7	7.7	9.0	7.7	7.7	7.0	7.0	7.5
PENN G-1	6.7	7.3	8.0	8.0	8.0	8.7	7.7	7.0	7.0	7.0	7.5
PST-A2E	6.7	6.3	8.3	8.3	8.3	8.0	7.0	8.0	6.7	7.0	7.5
SYN 96-2	7.0	7.7	6.0	6.0	7.7	9.0	8.0	8.0	7.7	7.3	7.4
PENN G-6	6.3	7.0	7.3	7.3	8.7	8.7	7.3	7.7	7.0	6.3	7.4
SYN 96-3	6.7	7.3	5.7	5.7	8.3	8.7	8.0	8.0	7.3	6.7	7.2
BAR AS 8FUS2	6.0	7.7	7.0	7.0	7.7	8.7	7.3	7.3	6.7	6.7	7.2
CENTURY	6.7	7.3	6.7	6.7	8.0	8.3	7.0	7.7	7.0	6.7	7.2
ABT-CRB-1	5.7	6.7	6.7	6.7	8.0	8.7	7.7	8.0	7.0	7.0	7.2
SYN 96-1	6.7	7.0	5.7	5.7	8.3	8.3	8.0	8.0	7.3	6.7	7.2
ISI AP-5	6.0	6.7	7.7	7.7	8.0	8.3	7.0	6.7	6.7	6.3	7.1
L-93	5.3	6.7	8.0	8.0	8.0	8.3	7.0	6.7	6.7	6.3	7.1
SRX 1120	6.0	7.3	7.0	7.0	7.7	8.3	7.0	6.7	7.0	6.7	7.1
PROVIDENCE	6.3	6.3	7.3	7.3	8.0	8.0	7.0	6.7	7.0	6.7	7.1
BAR CB 8US3	5.7	7.3	7.0	7.0	7.3	8.0	7.0	6.7	7.0	6.7	7.0
SR 1119	5.3	7.3	7.3	7.3	8.3	8.0	7.0	6.3	6.0	6.0	6.9
IMPERIAL	6.0	7.0	6.7	6.7	8.0	7.7	7.0	7.0	7.0	5.7	6.9
SRX 1NJH	5.3	7.3	6.7	6.7	8.0	8.3	7.0	6.7	6.7	6.0	6.9
SRX 1BPAA	5.0	6.3	7.0	7.0	8.0	8.7	7.0	6.0	6.7	5.7	6.7
CRENSHAW	6.0	7.0	5.7	5.7	8.0	8.3	7.0	6.7	6.7	6.0	6.7
BACKSPIN	6.0	7.0	6.0	6.0	8.0	7.7	6.3	7.3	6.7	5.3	6.6
PICK CB 13-94	5.3	6.7	6.0	6.0	8.0	8.0	7.0	6.0	6.3	5.3	6.5
PENNLINKS	5.0	6.3	5.3	5.3	7.7	8.3	6.3	5.0	6.0	5.0	6.0
PENNCROSS	5.0	6.7	4.0	4.0	8.7	8.3	6.3	5.3	6.0	5.0	5.9
BAVARIA	4.0	7.7	5.3	5.3	8.0	6.3	3.7	3.0	4.0	6.7	5.4
LSD VALUE	1.1	1.0	0.8	0.8	1.1	1.1	0.9	0.7	0.7	0.9	0.3
C.V. (%)	12.1	8.9	7.4	7.4	8.4	8.4	7.7	5.9	6.0	8.9	8.2

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 19. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	KY1	KY2	MI1	NC1	OK1	MEAN
PENN A-2	97.7	97.7	86.3	98.7	96.7	95.4
CRENSHAW	97.3	97.3	83.3	99.0	97.7	94.9
IMPERIAL	98.7	98.7	80.0	99.0	96.7	94.6
PENNLINKS	97.3	97.3	83.3	98.7	96.3	94.6
BACKSPIN	99.0	99.0	80.0	99.0	95.7	94.5
PENN A-4	95.0	95.0	86.7	99.0	96.7	94.5
PENN A-1	98.7	98.7	76.7	99.0	96.7	93.9
PENNCROSS	96.3	96.3	76.7	99.0	96.7	93.0
PENN G-6	97.7	97.7	73.3	98.7	97.0	92.9
BAR CB 8US3	97.0	97.0	73.3	99.0	96.7	92.6
PICK CB 13-94	99.0	99.0	70.0	99.0	96.0	92.6
SR 1119	96.3	96.3	73.3	99.0	96.3	92.3
ABT-CRB-1	99.0	99.0	66.7	99.0	96.3	92.0
ISI AP-5	96.7	96.7	70.0	99.0	97.0	91.9
CENTURY	98.7	98.7	66.7	99.0	96.3	91.9
PROVIDENCE	92.7	92.7	76.7	99.0	97.0	91.6
SYN 96-1	97.7	97.7	66.7	99.0	96.3	91.5
L-93	92.7	92.7	73.3	99.0	97.0	90.9
SRX 1120	93.0	93.0	73.3	98.3	96.3	90.8
PST-A2E	94.0	94.0	70.0	99.0	95.3	90.5
SRX 1BPAA	90.7	90.7	73.3	98.3	96.0	89.8
SYN 96-2	88.3	88.3	76.7	99.0	96.3	89.7
BAR AS 8FUS2	93.0	93.0	66.7	99.0	96.7	89.7
PENN G-1	93.0	93.0	66.7	99.0	96.7	89.7
SYN 96-3	90.3	90.3	70.0	99.0	96.3	89.2
SRX 1NJH	91.0	91.0	60.0	98.7	96.0	87.3
SR 7200	89.0	89.0	70.0	98.7	75.0	84.3
BAVARIA	85.7	85.7	70.0	99.0	66.7	81.4
PICK MVB	83.3	83.3	63.3	99.0	76.7	81.1
LSD VALUE	9.0	9.0	17.3	0.5	7.8	4.6
C.V. (%)	5.9	5.9	14.7	0.3	5.2	7.0

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 20. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	ME1	NC1	OK1	UT1	MEAN
PENNLINKS	91.7	79.3	95.0	86.7	88.2
SYN 96-1	90.0	80.7	97.0	78.3	86.5
PROVIDENCE	90.0	82.7	95.3	76.7	86.2
CRENSHAW	86.7	75.0	96.3	84.7	85.7
PENNCROSS	81.7	93.0	95.0	71.7	85.3
PENN G-1	76.7	86.7	97.3	80.0	85.2
ABT-CRB-1	86.7	73.3	96.7	83.3	85.0
PICK CB 13-94	76.7	86.7	95.7	80.0	84.8
SRX 1120	68.3	90.0	95.0	83.3	84.2
BACKSPIN	81.7	86.0	94.0	71.7	83.3
PENN A-2	90.0	78.0	97.0	68.3	83.3
BAR CB 8US3	83.3	80.7	96.0	71.7	82.9
L-93	78.3	75.0	96.7	80.0	82.5
PENN G-6	83.3	78.3	97.3	70.0	82.3
IMPERIAL	86.7	75.0	95.3	71.7	82.2
SRX 1NJH	80.0	78.3	96.7	73.3	82.1
SYN 96-3	81.7	61.7	98.7	83.3	81.3
CENTURY	91.3	56.7	96.3	80.0	81.1
SRX 1BPAA	63.3	89.3	95.0	76.7	81.1
BAR AS 8FUS2	76.7	78.3	96.3	71.7	80.8
SR 1119	78.3	71.7	95.7	65.0	77.7
SYN 96-2	86.7	55.0	98.3	70.0	77.5
ISI AP-5	76.7	63.3	96.3	70.0	76.6
PST-A2E	71.7	51.7	96.7	73.3	73.3
PENN A-1	90.0	26.7	97.3	78.3	73.1
PENN A-4	83.3	35.0	97.3	75.0	72.7
PICK MVB	75.0	78.3	70.0	58.3	70.4
SR 7200	85.0	68.3	58.3	56.7	67.1
BAVARIA	80.0	68.3	31.7	63.3	60.8
LSD VALUE	15.6	26.6	7.8	18.6	9.2
C.V. (%)	11.8	22.8	5.3	15.6	14.3

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 21. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	MO1	OK1	MEAN
CENTURY	58.3	98.0	78.2
PENN A-4	56.7	98.7	77.7
BACKSPIN	56.7	97.3	77.0
PENN G-1	48.3	99.0	73.7
PENNLINKS	48.3	99.0	73.7
L-93	45.0	99.0	72.0
PENNCROSS	40.0	99.0	69.5
PROVIDENCE	40.0	99.0	69.5
SYN 96-1	40.0	98.7	69.3
IMPERIAL	38.3	98.3	68.3
BAR AS 8FUS2	33.3	99.0	66.2
PENN A-2	33.3	99.0	66.2
SYN 96-3	33.3	98.3	65.8
PENN G-6	31.7	99.0	65.3
ABT-CRB-1	31.7	98.7	65.2
SR 1119	30.0	99.0	64.5
BAR CB 8US3	30.0	98.7	64.3
SRX 1120	28.3	99.0	63.7
PENN A-1	26.7	99.0	62.8
SRX 1BPAA	26.7	99.0	62.8
CRENSHAW	26.7	98.0	62.3
ISI AP-5	25.0	99.0	62.0
SYN 96-2	25.0	98.0	61.5
PST-A2E	21.7	99.0	60.3
PICK CB 13-94	18.3	98.7	58.5
SRX 1NJH	11.7	99.0	55.3
SR 7200	31.7	70.0	50.8
PICK MVB	28.3	71.7	50.0
BAVARIA	33.3	33.3	33.3
LSD VALUE	20.4	10.8	11.5
C.V. (%)	36.8	7.1	15.7

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 22. FROST TOLERANCE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 2/

NAME	MT1
ABT-CRB-1	6.3
BACKSPIN	6.3
CRENSHAW	6.3
IMPERIAL	6.3
ISI AP-5	6.3
L-93	6.3
PENN A-1	6.3
PENN A-2	6.3
PENN G-1	6.3
PENNCROSS	6.3
PENNLINKS	6.3
SRX 1120	6.3
SRX 1BPAA	6.3
SRX 1NJH	6.3
SYN 96-1	6.3
SYN 96-2	6.3
BAR AS 8FUS2	6.0
BAR CB 8US3	6.0
BAVARIA	6.0
CENTURY	6.0
PENN A-4	6.0
PENN G-6	6.0
PICK CB 13-94	6.0
PROVIDENCE	6.0
PST-A2E	6.0
SR 1119	6.0
SYN 96-3	6.0
PICK MVB	5.0
SR 7200	5.0
LSD VALUE	0.8
C.V. (%)	7.6

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 23. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

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

NAME	AL1	AZ1	KY1	KY2	MO1	OK1	VA1	MEAN
SRX 1BPAA	8.0	6.7	7.3	7.3	3.3	5.0	5.7	6.2
PICK MVB	6.0	5.7	9.0	9.0	2.0	3.0	8.0	6.1
PENN A-4	7.0	6.7	6.7	6.7	3.3	4.3	6.7	5.9
PENN A-2	7.0	7.3	7.0	7.0	3.0	4.0	6.0	5.9
SR 7200	6.0	4.3	8.7	8.7	2.3	3.3	8.0	5.9
L-93	7.0	5.7	6.7	6.7	4.0	4.3	6.7	5.9
PICK CB 13-94	7.0	6.7	7.0	7.0	3.3	4.0	6.0	5.9
PST-A2E	7.0	7.7	7.3	7.3	2.7	4.0	5.0	5.9
SR 1119	7.3	6.3	7.0	7.0	3.7	4.3	5.3	5.9
SRX 1120	7.0	6.0	6.7	6.7	3.3	4.7	5.7	5.7
ISI AP-5	7.7	6.7	6.0	6.0	3.0	4.3	6.0	5.7
PENN A-1	7.0	5.7	6.7	6.7	3.0	4.3	6.3	5.7
BAR CB 8US3	7.3	6.3	6.3	6.3	3.7	4.0	5.7	5.7
PENN G-1	7.3	6.0	6.3	6.3	4.0	4.0	5.7	5.7
CRENSHAW	7.0	6.7	6.7	6.7	2.3	4.0	6.0	5.6
SYN 96-1	6.3	5.7	7.3	7.3	3.7	4.0	4.7	5.6
PENN G-6	7.0	6.0	6.3	6.3	3.0	4.0	6.0	5.5
PROVIDENCE	6.7	6.0	7.0	7.0	2.3	4.0	5.7	5.5
BAR AS 8FUS2	7.3	5.7	6.3	6.3	3.7	4.0	5.0	5.5
ABT-CRB-1	5.7	6.7	7.3	7.3	2.0	4.0	5.0	5.4
CENTURY	6.7	5.3	6.7	6.7	4.0	4.0	4.7	5.4
BACKSPIN	7.0	5.3	6.0	6.0	4.0	4.7	4.7	5.4
IMPERIAL	6.7	5.7	6.7	6.7	3.0	4.3	4.7	5.4
SRX 1NJH	7.3	6.0	6.3	6.3	2.3	4.0	5.3	5.4
PENNLINKS	6.7	5.3	6.3	6.3	3.3	4.0	5.3	5.3
SYN 96-2	6.0	6.7	6.7	6.7	2.0	4.0	4.7	5.2
SYN 96-3	6.3	5.3	7.0	7.0	2.7	4.0	4.3	5.2
BAVARIA	5.0	4.0	7.7	7.7	2.0	3.0	7.0	5.2
PENNCROSS	6.7	5.7	6.0	6.0	2.3	4.0	5.7	5.2
LSD VALUE	0.8	1.1	0.9	0.9	1.2	0.5	1.2	0.4
C.V. (%)	7.6	11.0	8.0	8.0	24.1	7.9	12.6	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.

TABLE 24. THATCH MEASUREMENTS OF BENIGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

THATCH MEASUREMENTS IN MILLIMETERS 2/

NAME	AL1	AZ1	MEAN
PENN A-1	16.7	8.0	12.3
PICK MVB	18.3	6.0	12.2
PENN A-2	14.7	9.0	11.8
PENN A-4	13.7	9.3	11.5
SYN 96-1	13.3	9.3	11.3
PENN G-1	13.3	9.0	11.2
PST-A2E	14.3	8.0	11.2
PENN G-6	14.7	7.3	11.0
SYN 96-2	12.7	9.3	11.0
BACKSPIN	12.0	9.7	10.8
BAR AS 8FUS2	14.7	7.0	10.8
SR 7200	14.3	7.0	10.7
SRX 1120	12.3	9.0	10.7
SYN 96-3	13.0	8.3	10.7
SRX 1NJH	14.0	7.3	10.7
CENTURY	13.0	8.0	10.5
PENNLINKS	13.7	7.3	10.5
ABT-CRB-1	12.3	8.3	10.3
PICK CB 13-94	13.0	7.7	10.3
PROVIDENCE	13.3	7.3	10.3
L-93	12.7	7.7	10.2
IMPERIAL	13.3	6.7	10.0
ISI AP-5	12.7	7.3	10.0
PENNCROSS	13.0	7.0	10.0
SFX 1BPAA	12.3	7.3	9.8
CRENSHAW	12.7	7.0	9.8
BAVARIA	11.3	8.0	9.7
SR 1119	13.0	6.3	9.7
BAR CB 8US3	12.3	6.7	9.5
LSD VALUE	2.7	2.1	1.7
C.V. (%)	12.7	16.7	14.3

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. MICRODOCHIUM PATCH RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

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

NAME	MO1
IMPERIAL	8.7
L-93	8.7
SRX 1NJH	8.3
BAVARIA	8.0
PENN A-1	8.0
PST-A2E	8.0
SRX 1BPAA	8.0
ABT-CRB-1	7.7
ISI AP-5	7.7
PENN A-4	7.7
PICK CB 13-94	7.7
SR 1119	7.7
SYN 96-1	7.7
BACKSPIN	7.3
BAR AS 8FUS2	7.3
CENTURY	7.3
CRENSHAW	7.3
PENN G-1	7.3
SR 7200	7.3
SRX 1120	7.3
BAR CB 8US3	7.0
SYN 96-2	7.0
PENNLINKS	6.7
PENN A-2	6.3
PENN G-6	6.0
PROVIDENCE	6.0
PENNCROSS	4.7
PICK MVB	4.7
SYN 96-3	4.7
LSD VALUE	2.0
C.V. (%)	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 26. DOLLAR SPOT RATINGS OF BENIGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

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

NAME	KS1	MO1	OK1	RI1	RI2	MEAN
PENNCROSS	8.7	7.3	9.0	9.0	7.7	8.3
PENNLINKS	8.3	8.0	9.0	9.0	6.7	8.2
PENN A-1	8.3	8.0	8.7	8.7	7.0	8.1
L-93	8.7	7.7	9.0	8.0	7.0	8.1
SR 7200	6.7	7.3	8.7	9.0	8.7	8.1
PENN G-1	8.3	8.0	9.0	8.7	5.3	7.9
PST-A2E	7.0	8.7	9.0	8.3	6.3	7.9
PENN A-2	8.0	7.0	9.0	8.7	6.3	7.8
BAVARIA	7.7	4.0	9.0	9.0	9.0	7.7
PICK CB 13-94	6.7	8.0	8.7	8.3	7.0	7.7
PICK MVB	6.7	6.3	9.0	9.0	7.0	7.6
PENN G-6	8.0	7.7	9.0	7.7	5.3	7.5
SRX 1BPAA	7.3	7.0	9.0	8.7	4.3	7.3
ISI AP-5	7.0	7.0	8.7	7.3	6.3	7.3
PENN A-4	7.0	7.3	8.3	7.3	5.7	7.1
SR 1119	6.7	7.3	9.0	8.0	4.0	7.0
SRX 1120	6.7	7.7	8.7	8.3	3.7	7.0
BAR AS 8FUS2	7.0	7.3	8.7	6.7	5.0	6.9
ABT-CRB-1	6.3	7.0	8.3	7.7	5.0	6.9
SRX 1NJH	7.0	7.3	8.7	7.7	3.3	6.8
SYN 96-1	5.0	7.3	7.7	7.7	6.0	6.7
IMPERIAL	5.3	6.0	8.0	7.0	6.7	6.6
BACKSPIN	5.7	6.3	8.7	6.3	4.3	6.3
SYN 96-3	4.3	7.3	8.0	6.3	5.3	6.3
SYN 96-2	4.0	7.0	6.0	7.7	6.3	6.2
PROVIDENCE	5.7	7.3	9.0	6.3	2.3	6.1
BAR CB 8US3	4.3	7.0	8.3	4.3	4.0	5.6
CENTURY	5.0	7.0	6.3	5.3	3.0	5.3
CRENSHAW	4.7	6.7	6.7	4.3	3.0	5.1
LSD VALUE	1.0	1.6	0.9	1.7	2.0	0.7
C.V. (%)	9.0	13.8	6.8	13.8	22.3	13.1

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 27. BROWN PATCH (WARM TEMPERATURE) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

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

NAME	KS1	NJ1	PA1	MEAN
PICK MVB	8.0	8.7	9.0	8.6
SR 7200	8.7	8.0	9.0	8.6
SYN 96-3	8.3	6.3	8.3	7.7
SYN 96-2	8.0	6.7	8.0	7.6
BAVARIA	7.3	5.7	9.0	7.3
L-93	8.0	6.0	8.0	7.3
PICK CB 13-94	7.7	5.7	8.7	7.3
SRX 1NJH	7.0	6.3	8.7	7.3
SYN 96-1	7.7	5.7	8.7	7.3
ISI AP-5	8.0	5.3	8.0	7.1
PENN A-1	8.0	5.3	8.0	7.1
BACKSPIN	8.0	5.0	8.0	7.0
PENNCROSS	8.3	4.3	8.3	7.0
CRENSHAW	7.7	4.3	8.7	6.9
PENN G-6	7.3	5.3	8.0	6.9
ABT-CRB-1	6.7	5.0	8.7	6.8
PENN G-1	7.7	4.3	8.3	6.8
PENNLINKS	7.7	3.7	9.0	6.8
PST-AZE	8.0	4.3	8.0	6.8
BAR CB 8US3	7.0	4.7	8.3	6.7
CENTURY	7.3	4.7	8.0	6.7
PENN A-4	8.0	4.0	7.7	6.6
SR 1119	6.7	4.7	8.3	6.6
BAR AS 8FUS2	7.0	4.0	8.7	6.6
SRX 1120	8.0	3.3	8.0	6.4
PENN A-2	7.3	3.3	8.3	6.3
PROVIDENCE	8.0	3.3	7.7	6.3
SRX 1BPAA	7.0	3.7	7.7	6.1
IMPERIAL	5.7	3.7	8.0	5.8
LSD VALUE	1.6	1.6	0.8	0.8
C.V. (%)	13.4	20.2	5.9	12.6

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 28. BROWN PATCH (COOL TEMPERATURE) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

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

NAME	PA1	WA4	MEAN
BACKSPIN	9.0	9.0	9.0
BAVARIA	9.0	9.0	9.0
ISI AP-5	9.0	9.0	9.0
PENN A-1	9.0	9.0	9.0
SR 7200	9.0	9.0	9.0
SRX 1120	9.0	9.0	9.0
SYN 96-1	9.0	9.0	9.0
IMPERIAL	9.0	8.7	8.8
PICK MVB	9.0	8.7	8.8
BAR AS 8FUS2	8.3	9.0	8.7
PENN G-1	9.0	8.3	8.7
PICK CB 13-94	8.3	9.0	8.7
SR 1119	9.0	8.3	8.7
SRX 1NJH	9.0	8.3	8.7
SRX 1BPAA	8.7	8.7	8.7
PENN A-4	9.0	8.0	8.5
PENNCROSS	8.3	8.7	8.5
PENNLINKS	8.3	8.7	8.5
CENTURY	9.0	7.7	8.3
PENN G-6	8.3	8.3	8.3
PST-A2E	9.0	7.7	8.3
L-93	8.7	8.0	8.3
CRENSHAW	8.0	8.3	8.2
PENN A-2	8.0	8.3	8.2
ABT-CRB-1	8.7	7.7	8.2
PROVIDENCE	8.7	7.7	8.2
SYN 96-2	7.7	8.7	8.2
SYN 96-3	6.7	9.0	7.8
BAR CB 8US3	8.3	7.0	7.7
LSD VALUE	1.0	1.4	0.8
C.V. (%)	7.1	10.1	8.7

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 29. PYTHIUM BLIGHT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

PYTHIUM BLIGHT RATINGS 1-9; 9=NO DISEASE 2/

NAME	NC1
ABT-CRB-1	9.0
BAR AS 8FUS2	9.0
BAR CB 8US3	9.0
CENTURY	9.0
CRENSHAW	9.0
IMPERIAL	9.0
ISI AP-5	9.0
L-93	9.0
PENN A-2	9.0
PENN A-4	9.0
PENN G-1	9.0
PENN G-6	9.0
PENNCROSS	9.0
PROVIDENCE	9.0
PST-A2E	9.0
SRX 1NJH	9.0
SYN 96-1	9.0
SYN 96-2	9.0
SYN 96-3	9.0
BACKSPIN	8.7
PENN A-1	8.7
PICK CB 13-94	8.7
SR 1119	8.7
SRX 1120	8.7
SRX 1BPAA	8.7
PENNLINKS	8.3
PICK MVB	7.7
SR 7200	7.0
BAVARIA	5.7
LSD VALUE	1.4
C.V. (%)	9.8

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 30. PINK SNOW MOLD RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

PINK SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/

NAME	NJ1
PENNLINKS	7.0
SR 1119	7.0
PENN G-6	6.7
BAR CB 8US3	6.3
PENN A-2	6.3
PENN A-4	6.3
PENNCROSS	6.3
PICK CB 13-94	6.3
SRX 1BPAA	6.3
BAR AS 8FUS2	6.0
ISI AP-5	6.0
PENN A-1	6.0
SRX 1120	6.0
SRX 1NJH	6.0
CRENSHAW	5.7
L-93	5.7
PENN G-1	5.7
PROVIDENCE	5.7
SYN 96-1	5.7
BACKSPIN	5.3
SYN 96-3	5.3
IMPERIAL	5.0
SYN 96-2	5.0
CENTURY	4.3
ABT-CRB-1	4.0
PST-A2E	3.7
SR 7200	3.7
BAVARIA	3.0
PICK MVB	3.0
LSD VALUE	1.8
C.V. (%)	20.5

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.

TABLE 31. MOWING QUALITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

MOWING QUALITY RATINGS 1-9; 9=CLEANEST CUT 2/

NAME	ME1
SRX 1NJH	7.3
PST-A2E	7.0
ABT-CRB-1	6.7
BAR AS 8FUS2	6.7
BAR CB 8US3	6.3
CRENSHAW	6.3
PENN A-2	6.3
SR 7200	6.3
SYN 96-2	6.3
SYN 96-3	6.3
PROVIDENCE	6.0
SYN 96-1	6.0
IMPERIAL	5.7
PENN A-1	5.7
PENN A-4	5.7
PENN G-1	5.7
PICK MVB	5.7
CENTURY	5.3
L-93	5.3
PICK CB 13-94	5.3
SRX 1120	5.3
SRX 1BPAA	5.3
BACKSPIN	5.0
ISI AP-5	5.0
SR 1119	5.0
PENN G-6	4.7
PENNCROSS	4.7
PENNLINKS	4.3
BAVARIA	3.0
LSD VALUE	1.2
C.V. (%)	12.8

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

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

TABLE 32. PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN 2/
1999 DATA

NAME	IA1	IL1	MA1	NC1	VA1	WI1	MEAN
PENN A-2	75.0	90.0	66.7	88.3	63.3	81.7	77.5
L-93	73.3	73.3	68.3	81.7	70.0	81.7	74.7
PENN A-4	78.3	65.0	76.7	88.3	53.3	81.7	73.9
BACKSPIN	81.7	76.7	63.3	91.0	43.3	86.7	73.8
PENNCROSS	75.0	75.0	63.3	86.7	63.3	78.3	73.6
PENNLINKS	75.0	85.0	65.0	82.3	60.0	71.7	73.2
PENN A-1	71.7	70.0	58.3	83.3	63.3	81.7	71.4
CRENSHAW	66.7	75.0	56.7	78.3	70.0	78.3	70.8
SYN 96-1	68.3	68.3	56.7	90.0	60.0	80.0	70.6
PENN G-6	66.7	73.3	63.3	83.3	60.0	75.0	70.3
PICK CB 13-94	70.0	68.3	51.7	81.7	60.0	81.0	68.8
PENN G-1	71.7	68.3	65.0	90.7	46.7	70.0	68.7
SR 1119	73.3	83.3	46.7	81.7	50.0	76.7	68.6
PROVIDENCE	76.7	58.3	60.0	83.3	53.3	75.0	67.8
SYN 96-2	73.3	71.7	46.7	83.3	56.7	74.3	67.7
ISI AP-5	75.0	60.0	53.3	81.7	53.3	80.0	67.2
CENTURY	68.3	78.3	65.0	78.3	36.7	76.0	67.1
IMPERIAL	76.7	81.7	51.7	68.3	40.0	78.3	66.1
BAR AS 8FUS2	71.7	61.7	56.7	83.3	40.0	75.0	64.7
SYN 96-3	65.0	70.0	46.7	81.7	46.7	78.3	64.7
ABT-CRB-1	71.7	50.0	50.0	78.3	53.3	83.3	64.4
SRX 1BPAA	70.0	63.3	41.7	75.0	63.3	68.3	63.6
SR 7200	71.7	60.0	51.7	85.0	40.0	71.7	63.3
BAR CB 8US3	68.3	55.0	46.7	75.0	53.3	68.3	61.1
SRX 1NJH	68.3	61.7	38.3	58.3	56.7	81.7	60.8
BAVARIA	70.0	45.0	46.7	73.3	46.7	80.0	60.3
SRX 1120	68.3	70.0	43.3	71.7	36.7	66.7	59.4
PICK MVB	68.3	38.3	41.7	83.3	40.0	71.7	57.2
PST-A2E	66.7	46.7	41.7	73.3	36.7	55.0	53.3
LSD VALUE	12.3	25.8	17.2	17.7	25.9	19.3	8.3
C.V. (%)	10.7	24.0	19.6	13.6	30.7	15.8	18.8

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 33. ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT MEAD, NE 1/
1999 DATA

ESTABLISHMENT RATINGS 1-9; 9=BEST 2/

NAME	JULY	AUGUST	MEAN
BAR AS 8FUS2	9.0	9.0	9.0
BAR CB 8US3	8.7	8.7	8.7
PENN A-2	8.7	8.7	8.7
PENN G-1	8.7	8.7	8.7
SR 1119	8.7	8.7	8.7
SYN 96-1	8.7	8.7	8.7
ABT-CRB-1	8.7	8.0	8.3
CRENSHAW	8.3	8.3	8.3
IMPERIAL	8.3	8.3	8.3
PENN A-4	8.3	8.3	8.3
PICK CB 13-94	8.3	8.3	8.3
SRX 1BPAA	8.3	8.3	8.3
SYN 96-2	8.3	8.3	8.3
SYN 96-3	8.3	8.3	8.3
BACKSPIN	8.3	7.7	8.0
CENTURY	8.0	8.0	8.0
L-93	8.0	8.0	8.0
PENN A-1	8.0	8.0	8.0
PENN G-6	8.0	8.0	8.0
PST-A2E	8.0	8.0	8.0
SRX 1120	8.0	8.0	8.0
PENNCROSS	7.7	7.7	7.7
PROVIDENCE	7.7	7.7	7.7
ISI AP-5	7.3	7.3	7.3
PENNLINKS	7.3	7.3	7.3
SRX 1NJH	7.3	7.3	7.3
PICK MVB	6.7	6.7	6.7
SR 7200	6.0	6.0	6.0
BAVARIA	5.7	5.7	5.7
LSD VALUE	1.3	1.4	1.3
C.V. (%)	9.4	9.7	9.3

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 34. PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN AT CLEMSON, SC 2/
 1999 DATA

NAME	OCTOBER	NOVEMBER	MEAN
PENN A-4	56.7	91.0	73.8
L-93	55.0	85.0	70.0
PENNCROSS	51.7	87.7	69.7
CRENSHAW	50.0	86.7	68.3
PENNLINKS	46.7	86.0	66.3
PROVIDENCE	50.0	82.3	66.2
SYN 96-3	45.0	86.7	65.8
PENN A-1	46.7	81.7	64.2
SYN 96-2	48.3	80.0	64.2
IMPERIAL	41.7	85.0	63.3
SR 1119	45.0	80.0	62.5
ABT-CRB-1	40.0	82.3	61.2
PENN A-2	38.3	84.0	61.2
SYN 96-1	43.3	78.3	60.8
CENTURY	40.0	78.3	59.2
PENN G-1	36.7	81.0	58.8
ISI AP-5	38.3	79.0	58.7
BACKSPIN	40.0	76.7	58.3
SRX 1120	40.0	76.7	58.3
BAVARIA	40.0	75.0	57.5
SRX 1BPAA	38.3	74.3	56.3
BAR AS 8FUS2	33.3	77.0	55.2
BAR CB 8US3	35.0	75.0	55.0
PICK CB 13-94	31.7	76.7	54.2
PENN G-6	31.7	76.0	53.8
SRX 1NJH	31.7	70.0	50.8
SR 7200	28.3	68.3	48.3
PICK MVB	25.0	70.0	47.5
PST-AZE	28.3	65.0	46.7
LSD VALUE	18.1	17.1	14.3
C.V. (%)	22.5	9.8	12.5

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.

TABLE 35. ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT LOGAN, UT 1/
1998-99 DATA

ESTABLISHMENT RATINGS 1-9; 9=BEST 2/

NAME	OCT.98	MAY 99	MEAN
PENN G-1	4.0	6.0	5.0
PENN G-6	4.3	5.3	4.8
PENNLINKS	4.3	5.3	4.8
BACKSPIN	4.0	5.3	4.7
CRENSHAW	4.0	5.3	4.7
IMPERIAL	4.0	5.3	4.7
L-93	4.0	5.3	4.7
PICK CB 13-94	3.7	5.3	4.5
PROVIDENCE	4.0	5.0	4.5
PENN A-1	3.7	5.0	4.3
PENNCROSS	3.3	5.3	4.3
SRX 1120	3.7	5.0	4.3
SRX 1BPAA	3.7	5.0	4.3
SYN 96-1	3.3	5.3	4.3
SYN 96-3	3.7	5.0	4.3
PENN A-2	3.3	5.0	4.2
ABT-CRB-1	3.3	4.7	4.0
BAR CB 8US3	3.3	4.7	4.0
PST-AZE	3.3	4.7	4.0
SR 1119	3.3	4.7	4.0
BAR AS 8FUS2	3.3	4.3	3.8
ISI AP-5	3.0	4.7	3.8
PENN A-4	3.3	4.3	3.8
SYN 96-2	2.7	5.0	3.8
SR 7200	2.7	4.7	3.7
SRX 1NJH	3.3	4.0	3.7
PICK MVB	2.3	4.7	3.5
CENTURY	3.0	3.7	3.3
BAVARIA	2.0	4.0	3.0
LSD VALUE	2.0	3.0	2.1
C.V. (%)	22.7	18.4	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 36. GROW-IN RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT AUBURN, AL 1/
1998-99 DATA

GROW-IN RATINGS 1-9; 1=NO GROW-IN, 5=50% 9=90% GROW-IN 2/

NAME	DEC. 98	JAN. 99	FEB. 99	MEAN
ISI AP-5	5.3	8.3	9.0	7.6
SR 7200	5.3	8.3	9.0	7.6
SRX 1BPAA	5.0	8.7	8.7	7.4
BACKSPIN	5.3	7.7	9.0	7.3
PICK CB 13-94	5.0	8.3	8.7	7.3
PENN A-4	5.3	7.7	8.7	7.2
CENTURY	5.3	7.3	8.7	7.1
L-93	4.3	8.3	8.7	7.1
SRX 1120	4.0	8.3	9.0	7.1
SRX 1NJH	4.0	8.7	8.7	7.1
SYN 96-1	5.3	7.7	8.3	7.1
BAVARIA	4.7	7.7	8.7	7.0
PENNLINKS	4.3	8.0	8.7	7.0
PENNCROSS	4.3	7.7	8.7	6.9
PICK MVB	4.7	7.0	9.0	6.9
PST-A2E	3.3	8.3	9.0	6.9
CRENSHAW	4.7	7.7	8.0	6.8
IMPERIAL	5.3	7.3	7.7	6.8
PENN A-1	4.7	7.3	8.0	6.7
PROVIDENCE	4.7	7.3	8.0	6.7
SR 1119	4.7	7.7	7.7	6.7
BAR AS 8FUS2	3.3	7.7	8.7	6.6
PENN A-2	4.3	7.3	8.0	6.6
SYN 96-3	4.3	7.0	8.3	6.6
SYN 96-2	4.0	7.0	8.3	6.4
BAR CB 8US3	3.7	7.0	8.3	6.3
PENN G-6	4.3	6.7	7.7	6.2
ABT-CRB-1	4.0	7.0	7.3	6.1
PENN G-1	3.7	6.0	7.7	5.8
LSD VALUE	1.6	2.8	1.5	1.4
C.V. (%)	16.4	12.8	7.6	8.6

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

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

TABLE 37. SCALPING RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
1999 DATA

SCALPING RATINGS 1-9; 9=NONE 2/

NAME	AL1
BAVARIA	9.0
ISI AP-5	9.0
PENN A-4	9.0
PENN G-1	9.0
PENNCROSS	9.0
PENNLINKS	9.0
PICK MVB	9.0
BACKSPIN	8.7
BAR CB 8US3	8.7
CRENSHAW	8.7
L-93	8.7
PICK CB 13-94	8.7
PST-A2E	8.7
SR 1119	8.7
SR 7200	8.3
BAR AS 8FUS2	8.0
IMPERIAL	8.0
PENN G-6	8.0
SRX 1120	8.0
PENN A-1	7.7
PROVIDENCE	7.7
PENN A-2	7.3
SRX 1NJH	7.3
SRX 1BPAA	7.0
CENTURY	6.0
SYN 96-1	5.7
SYN 96-2	5.0
SYN 96-3	4.7
ABT-CRB-1	4.3
LSD VALUE	1.9
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.

TABLE 38. PERCENT PINK SNOW MOLD RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN AT LEXINGTON (WITHOUT FUNGICIDES), KY
1999 DATA

NAME	MARCH	APRIL	MEAN 2/
PENNCROSS	18.7	18.7	18.7
PICK MVB	5.3	17.0	11.2
PENNLINKS	11.7	10.3	11.0
PROVIDENCE	10.0	10.3	10.2
PENN G-6	9.3	10.7	10.0
SYN 96-3	6.7	12.7	9.7
SYN 96-2	5.0	12.7	8.8
PENN A-4	8.0	8.0	8.0
SRX 1120	4.0	8.0	6.0
BAR AS 8FUS2	2.7	8.7	5.7
BAR CB 8US3	0.7	10.0	5.3
PENN G-1	3.7	5.7	4.7
BACKSPIN	1.7	7.3	4.5
CENTURY	1.3	7.7	4.5
PENN A-2	4.7	4.0	4.3
SYN 96-1	1.0	7.3	4.2
SR 7200	3.3	4.3	3.8
PICK CB 13-94	3.3	4.0	3.7
SRX 1NJH	1.0	6.0	3.5
ISI AP-5	1.0	5.7	3.3
SR 1119	0.7	5.7	3.2
SRX 1BPAA	1.0	4.7	2.8
L-93	0.7	4.3	2.5
BAVARIA	0.7	4.0	2.3
IMPERIAL	0.7	4.0	2.3
PST-A2E	1.0	2.7	1.8
CRENSHAW	1.0	2.3	1.7
ABT-CRB-1	0.0	1.7	0.8
PENN A-1	0.3	1.3	0.8
LSD VALUE	5.9	6.2	5.0
C.V. (%)	93.8	50.8	55.7

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 39. PERCENT DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN AT LEXINGTON (WITHOUT FUNGICIDES), KY 2/
1999 DATA

NAME	JUNE 10	JUNE 15	JUNE 19	MEAN
CENTURY	20.0	26.7	26.7	24.4
CRENSHAW	19.7	27.3	26.0	24.3
IMPERIAL	15.7	26.0	24.0	21.9
BAR CB 8US3	15.3	25.7	24.3	21.8
BACKSPIN	18.0	26.0	20.3	21.4
SYN 96-2	19.0	23.3	21.3	21.2
BAR AS 8FUS2	15.3	24.3	20.0	19.9
PROVIDENCE	13.7	21.7	18.3	17.9
SYN 96-3	14.3	21.0	18.0	17.8
ABT-CRB-1	17.7	20.3	13.0	17.0
SYN 96-1	13.7	22.3	15.0	17.0
SR 1119	12.0	21.0	16.0	16.3
SRX 1NJH	13.3	21.7	13.3	16.1
ISI AP-5	9.0	21.0	13.0	14.3
SRX 1120	8.0	20.0	12.7	13.6
PICK CB 13-94	8.3	18.7	13.0	13.3
PENN G-1	5.3	17.3	8.7	10.4
PENN A-4	9.0	12.7	9.3	10.3
SRX 1BPAA	3.7	15.7	9.3	9.6
PENNLINKS	3.0	17.7	6.3	9.0
PST-A2E	3.0	16.0	7.0	8.7
PENN G-6	5.0	11.7	8.3	8.3
PENN A-2	3.7	15.3	5.3	8.1
PENNCROSS	2.7	16.7	5.0	8.1
PENN A-1	2.3	14.3	5.0	7.2
PICK MVB	0.3	14.3	5.0	6.6
L-93	0.0	15.0	3.7	6.2
BAVARIA	0.3	1.7	0.3	0.8
SR 7200	1.3	0.3	0.0	0.6
LSD VALUE	6.5	6.1	4.8	5.0
C.V. (%)	44.5	21.3	25.6	24.2

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.