

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

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LOCATIONS SUBMITTING DATA FOR 1999

<u>State</u>	<u>Location</u>	<u>Code</u>
Iowa	Ames	IA1
Illinois	Urbana	IL1
Indiana	West Lafayette	IN1
Kansas	Manhattan	KS1
Kentucky	Lexington	KY1
Massachusetts	Amherst	MA1
Michigan	East Lansing	MI1
Minnesota	St. Paul	MN1
Missouri	Columbia (With Fungicides)	MO1
Missouri	Columbia (Without Fungicides)	MO2
Montana	Bozeman	MT1
Nebraska	Mead	NE1
New Jersey	North Brunswick	NJ1
New York	Ithaca	NY1
Pennsylvania	University Park	PA1
Rhode Island	Kingston (Without Fungicides)	RI2
Quebec	Quebec	QE1
South Dakota	Brookings	SD1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Washington	Pullman	WA1
Washington	Puyallup (With Fungicides)	WA3
Washington	Puyallup (Without Fungicides)	WA4
Wisconsin	Madison	WI1

1998 NATIONAL BENTGRASS TEST
(Fairway/Tee)

Entries and Sponsors

Entry No.	Name	Species	Sponsor
1	Grand Prix	creeping	LESCO, Inc.
2	Princeville	creeping	LESCO, Inc.
3	Backspin	creeping	Turf Merchants, Inc.
4	Trueline	creeping	Turf Merchants, Inc.
5	L-93	creeping	Simplot Turf & Hort.
6	ABT-Col-2	colonial	ProSeeds Marketing
7	Century	creeping	ProSeeds Marketing
8	Imperial	creeping	ProSeeds Marketing
9	Seaside	creeping	Standard Entry
10	Tiger	colonial	Cebeco International Seeds, Inc.
11	ISI-At-5	colonial	Cebeco International Seeds, Inc.
12	SRX 7MOBB	colonial	Seed Research of OR, Inc.
13	SRX 7MODD	colonial	Seed Research of OR, Inc.
14	SR 7100	colonial	Standard Entry
15	Providence	creeping	Standard Entry
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	Golfstar	idaho	Simplot Turf & Hort.
20	Radiance (PST-9HG)	colonial	Pure-Seed Testing, Inc.
21	PST-9PM	colonial	Pure-Seed Testing, Inc.
22	PST-0VN	creeping	Pure-Seed Testing, Inc.
23	Seaside II	creeping	Tee-2-Green Corp.
24	Penncross	creeping	Standard Entry
25	Penn G-6	creeping	Tee-2-Green Corp.
26	Penneagle	creeping	Tee-2-Green Corp.

TABLE A.

1999 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 1998 NATIONAL BENTGRASS (FAIRWAY/TEE) TEST

LOCATION	SOIL TEXTURE	SOIL PH	SOIL PHOSPHOROUS (LBS/ACRE)	SOIL POTASSIUM (LBS/ACRE)	NITROGEN (LBS/1000 SQ FT)	SUN OR SHADE	MOWING HEIGHT (IN.)	IRRIGATION PRACTICED
IA1	SILTY CLAY LOAM	7.1-7.5	0-60	241-375	3.1-4.0	FULL SUN	1/2	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	4.1-5.0	FULL SUN	1/2	TO PREVENT STRESS
IN1	SILT LOAM AND SILT	7.1-7.5	151-270	241-375	3.1-4.0	FULL SUN	1/2	TO PREVENT STRESS
KS1	SILT LOAM AND SILT	6.6-7.0	151-270	241-375	3.1-4.0	FULL SUN	5/8	TO PREVENT STRESS
KY1	SILT LOAM AND SILT	6.1-6.5	61-150	241-375	-	FULL SUN	5/8	TO PREVENT STRESS
MA1	LOAM	6.1-6.5	151-270	241-375	5.1-6.0	FULL SUN	5/8	TO PREVENT STRESS
MI1	SANDY LOAM	7.1-7.5	61-150	151-240	4.1-5.0	FULL SUN	3/8	TO PREVENT STRESS
MN1	SILTY CLAY LOAM	6.6-7.0	151-270	241-375	3.1-4.0	FULL SUN	1/2	TO PREVENT STRESS
MO1	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	5/8	TO PREVENT STRESS
MO2	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	5/8	TO PREVENT STRESS
MT1	SILT LOAM AND SILT	7.1-7.5	61-150	501+	2.1-3.0	FULL SUN	1/2	TO PREVENT STRESS
NE1	SILTY CLAY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	3/8	TO PREVENT STRESS
NJ1	SANDY LOAM	6.1-6.5	271-450	151-240	4.1-5.0	FULL SUN	3/8	TO PREVENT STRESS
NY1	SANDY LOAM	6.1-6.5	151-270	241-375	3.1-4.0	FULL SUN	3/8	TO PREVENT STRESS
PA1	LOAM	6.6-7.0	61-150	0-150	4.1-5.0	FULL SUN	1/2	TO PREVENT STRESS
QE1	-	-	-	-	-	-	1/2	-
RI2	SILT LOAM AND SILT	5.6-6.0	61-150	151-240	3.1-4.0	FULL SUN	5/8	TO PREVENT STRESS
SD1	SILTY CLAY LOAM	7.6-8.5	0-60	241-375	4.1-5.0	FULL SUN	5/8	TO PREVENT STRESS
UT1	SILT LOAM AND SILT	7.6-8.5	0-60	0-150	3.1-4.0	FULL SUN	5/8	TO PREVENT STRESS
VA1	-	-	-	-	-	-	1/2	-
WA1	SILT LOAM AND SILT	5.6-6.0	271-450	501+	3.1-4.0	FULL SUN	1/2	TO PREVENT STRESS
WA3	SILT LOAM AND SILT	5.6-6.0	61-150	151-240	4.1-5.0	FULL SUN	5/8	TO PREVENT STRESS
WA4	SILT LOAM AND SILT	5.6-6.0	61-150	151-240	4.1-5.0	FULL SUN	5/8	TO PREVENT STRESS
WI1	SILT LOAM AND SILT	-	-	-	1.1-2.0	FULL SUN	1/2	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 1999

LOCATION	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
IA1			X	X	X	X	X	X			X	X	X
IL1		X	X	X	X	X	X	X			X	X	
IN1			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
MA1		X	X	X	X	X	X	X				X	
MI1			X	X	X	X	X	X			X		
MN1		X	X	X	X	X	X	X			X	X	X
MO1					X	X	X	X	X				
MO2		X	X	X	X	X	X	X	X		X	X	X
MT1				X	X	X	X	X			X		X
NE1		X	X	X	X	X	X	X			X	X	X
NJ1		X	X	X	X	X		X	X			X	
NY1					X	X	X	X			X		
PA1			X	X	X	X	X	X			X		
QE1					X	X	X	X			X		X
RI2			X	X	X	X	X	X	X		X	X	X
SD1		X	X	X	X	X	X				X	X	
UT1					X	X	X	X	X		X		
VA1					X	X	X	X	X		X		
WA1					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	MICRODOCHMIUM PATCH	DOLLAR SPOT	BROWN PATCH (WARM TEMP.)
IA1		X										
IL1		X	X	X								
IN1	X		X	X								
KS1												X
KY1	X	X	X	X					X			
MA1	X											
MI1	X		X		X							
MN1	X		X	X		X						
MO1				X			X					
MO2	X	X	X	X	X	X	X					
MT1	X	X	X	X				X				
NE1		X	X	X								
NJ1	X								X			
NY1	X											
PA1	X	X									X	X
QE1	X		X	X								
RI2	X											
SD1	X	X	X									
UT1			X			X						
VA1											X	
WA1	X											
WA3												
WA4	X	X	X	X						X		
WI1		X	X	X							X	

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1999

LOCATION	PERCENT ESTABLISHMENT	<u>PERCENT ESTABLISHMENT</u>			PERCENT DOLLAR SPOT	PERCENT PYTHIUM RATINGS	PERCENT BROWN PATCH (WARM TEMP.)	PERCENT TAKE-ALL	<u>DOLLAR SPOT COUNTS</u>			<u>PERCENT BROWN PATCH RATINGS</u>					
		SEPT.	OCT.	NOV.					MAY/99	JULY	AUGUST	SEPTEMBER	JUNE	JULY	JULY 1	JULY 27	
IA1	X																
IL1	X																
IN1																	
KS1	X								X	X	X				X		X
KY1					X								X	X			
MA1	X																
MI1																	
MN1																	
MO1																	
MO2																	
MT1																	
NE1		X	X	X													
NJ1																	
NY1																	
PA1																	
QE1																	
RI2						X											
SD1																	
UT1			X												X		
VA1	X																
WA1																	
WA3																	
WA4																	
WI1	X						X	X									

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A FAIRWAY OR TEE AT TWENTY-ONE LOCATIONS IN THE U.S. AND CANADA 1/
1999 DATA

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

NAME	IA1	IL1	IN1	KS1	KY1	MA1	MIL	MN1	MO1	MT1	NE1	NJ1	NY1	PA1	QE1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
* L-93	5.7	6.6	4.4	6.7	7.4	6.0	6.8	6.5	7.0	6.9	6.7	6.3	6.7	7.5	5.7	6.5	5.9	6.3	7.3	6.0	5.6	6.4
PST-OVN	6.1	6.5	4.7	7.1	6.5	6.0	6.9	6.7	7.3	6.5	5.4	6.6	6.4	7.3	5.9	6.1	4.9	5.9	7.8	6.0	5.7	6.3
* CENTURY	6.7	5.9	5.4	6.2	6.0	5.8	6.4	6.4	6.8	7.1	6.9	5.5	6.6	6.8	5.8	6.1	5.9	5.7	7.4	6.8	5.5	6.3
* TRUELINE	5.8	6.3	5.1	6.3	7.2	5.7	6.6	6.4	7.5	6.7	6.5	6.1	6.7	7.2	5.9	6.2	4.9	5.6	7.1	5.8	5.5	6.2
* GRAND PRIX	6.2	6.1	5.8	6.7	6.6	6.2	6.7	6.4	5.8	5.8	4.8	6.1	6.2	7.3	5.8	6.2	6.4	5.7	7.3	6.3	6.0	6.2
* IMPERIAL	6.7	6.5	4.8	6.2	6.5	6.1	6.6	6.4	5.1	6.6	7.1	5.5	6.6	7.1	5.8	5.9	5.3	5.7	7.3	7.0	5.3	6.2
* BACKSPIN	6.6	6.0	5.8	6.3	6.4	6.4	6.4	6.2	6.7	7.1	6.2	5.0	6.1	6.6	5.8	6.1	5.9	5.4	6.9	6.2	5.4	6.2
* SR 1119	6.1	6.2	4.3	6.1	6.8	5.7	6.6	6.5	6.0	7.0	6.3	5.5	6.6	7.8	5.8	6.1	5.3	5.6	7.1	6.3	5.7	6.2
* PENN G-6	6.3	6.1	4.6	6.6	7.0	5.7	6.1	6.4	6.9	6.7	5.3	5.8	6.4	7.2	5.8	5.8	5.9	6.1	7.0	5.7	5.8	6.2
SRX 1BPAA	5.8	6.6	4.4	6.8	7.0	5.1	6.1	6.4	6.7	6.3	5.6	5.6	6.7	7.9	5.7	5.2	5.6	6.1	7.8	6.0	5.6	6.1
SRX 1120	5.9	6.0	4.0	6.4	6.7	5.8	6.4	5.8	7.3	6.8	5.9	5.6	6.7	7.1	5.6	5.8	5.4	5.5	7.2	6.0	5.4	6.1
* PENNCROSS	5.8	6.0	4.5	6.7	6.0	5.9	6.3	5.9	8.3	6.9	4.9	4.8	6.1	5.9	5.8	6.7	6.3	6.0	7.3	5.5	5.5	6.1
* PROVIDENCE	6.2	5.8	5.7	5.9	5.8	5.6	6.4	6.1	7.3	7.0	5.9	4.9	6.2	7.0	5.8	5.6	6.1	5.1	6.9	6.2	5.5	6.0
* PRINCEVILLE	5.3	6.0	5.3	6.1	6.5	5.4	6.2	6.4	7.6	6.4	7.1	4.5	6.2	6.2	5.8	5.8	5.7	5.8	6.9	5.8	5.7	6.0
* SEASIDE II	6.4	6.1	4.9	6.4	6.5	5.8	6.6	5.9	6.8	6.9	4.6	5.2	6.4	7.1	5.9	5.2	5.1	5.6	6.9	6.0	5.7	6.0
ISI AT-5	4.3	7.2	3.7	5.6	7.6	5.2	5.9	5.9	7.3	5.5	5.9	6.9	6.1	7.8	5.7	5.8	2.1	5.5	6.2	5.8	5.9	5.8
* PENNEAGLE	5.7	6.0	4.2	6.2	6.4	5.1	5.8	5.8	7.1	7.1	4.4	3.7	6.1	5.4	5.8	5.6	5.0	5.7	6.4	5.7	5.4	5.6
SRX 7MODD	3.8	6.8	4.0	5.4	7.6	5.3	6.2	5.4	7.8	5.9	4.9	6.5	6.4	6.8	5.7	5.4	2.1	5.4	6.4	5.5	5.3	5.6
RADIANCE (PST-9HG)	4.8	7.1	3.7	5.6	7.4	5.2	5.6	5.7	7.7	5.9	3.9	5.6	5.8	6.9	5.6	5.2	2.2	5.9	6.0	5.3	5.6	5.6
* SR 7100	4.6	6.4	4.1	4.8	6.8	5.5	5.5	5.9	7.4	5.9	5.2	5.3	5.4	6.5	5.7	5.9	2.7	5.5	5.8	5.7	5.3	5.5
SRX 7MOBB	4.1	6.8	3.1	5.3	7.3	5.5	5.8	5.5	6.7	4.9	5.7	6.3	6.3	6.7	5.6	5.6	2.3	5.5	5.8	5.3	5.3	5.5
ABT-COL-2	3.8	6.9	4.4	5.7	6.5	5.4	6.0	5.5	7.2	5.5	5.8	5.9	5.8	6.5	5.5	5.3	1.7	5.3	5.8	5.3	5.0	5.5
PST-9PM	4.2	6.5	3.7	5.0	7.4	5.2	6.0	5.0	7.4	5.1	4.2	5.3	5.8	6.2	5.4	4.8	2.2	5.5	6.1	5.2	5.2	5.3
* TIGER	4.2	6.4	3.8	5.4	7.0	5.2	5.5	5.5	7.0	5.9	3.6	5.0	5.9	6.1	5.8	5.1	2.3	5.2	6.0	5.3	5.0	5.3
* GOLFSTAR	3.7	6.3	3.2	4.3	7.4	5.1	5.2	5.3	6.9	5.0	5.0	4.6	5.8	6.7	5.8	5.1	2.3	4.1	6.0	5.2	4.9	5.1
* SEASIDE	4.6	5.1	4.2	5.3	5.2	5.4	4.9	5.1	7.3	6.3	4.3	1.9	5.4	4.0	5.7	4.4	3.8	4.3	4.7	4.8	5.3	4.9
LSD VALUE	0.7	0.7	1.8	0.6	0.3	0.9	0.7	0.4	1.5	1.0	1.6	0.7	0.6	0.6	0.4	0.8	1.2	0.9	0.5	0.9	0.6	0.2
C.V. (%)	8.0	6.7	24.7	6.6	3.1	10.6	7.3	4.5	12.8	9.5	18.3	8.4	5.9	6.0	4.7	8.4	16.4	9.8	4.2	9.3	6.6	9.6

* COMMERCIALY AVAILABLE IN THE USA IN 2000.

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 FAIRWAY OR TEE AT TWENTY-ONE LOCATIONS IN THE U.S. AND CANADA 1/ 1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/											
NAME	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
L-93	7.0	6.0	5.9	6.2	6.1	6.7	6.6	7.0	6.4	6.3	6.4
PST-OVN	6.7	5.6	6.1	6.1	6.1	6.5	6.5	6.8	6.3	6.0	6.3
CENTURY	7.0	5.7	6.4	6.4	5.9	6.4	6.4	6.4	5.7	6.7	6.3
TRUELINE	7.0	5.7	6.1	6.0	6.0	6.3	6.6	6.7	6.1	5.7	6.2
GRAND PRIX	7.0	5.9	5.9	6.2	6.2	6.3	6.2	6.5	6.0	6.3	6.2
IMPERIAL	7.0	5.8	6.2	6.4	6.0	6.2	6.3	6.4	5.4	6.7	6.2
BACKSPIN	7.0	5.7	6.2	6.1	6.0	6.3	6.2	6.4	5.3	6.3	6.2
SR 1119	7.0	5.4	6.0	6.1	6.0	6.2	6.3	6.6	5.6	6.0	6.2
PENN G-6	7.0	5.8	5.6	6.0	5.8	6.3	6.5	6.7	5.9	5.7	6.2
SRX 1BPAA	7.0	5.3	5.7	6.0	6.0	6.2	6.3	6.8	5.7	6.0	6.1
SRX 1120	7.0	5.4	5.7	5.9	5.8	6.3	6.2	6.5	5.7	5.7	6.1
PENNCROSS	7.0	5.8	5.9	5.9	5.8	6.1	6.1	6.2	5.9	5.3	6.1
PROVIDENCE	7.0	5.6	5.9	5.7	5.6	6.1	6.2	6.6	5.9	6.3	6.0
PRINCEVILLE	7.0	5.5	5.6	5.9	5.8	6.3	6.3	6.4	6.1	5.3	6.0
SEASIDE II	7.0	5.4	5.4	5.8	5.7	6.1	6.3	6.7	5.8	5.7	6.0
ISI AT-5	7.0	5.4	6.1	6.0	5.5	5.8	5.9	6.2	5.3	6.3	5.8
PENNEAGLE	7.0	5.1	5.0	5.5	5.5	5.9	5.7	6.0	5.2	5.3	5.6
SRX 7MODD	7.7	4.9	5.9	5.8	5.2	5.8	5.8	6.2	5.1	5.3	5.6
RADIANCE (PST-9HG)	6.7	5.0	5.5	5.5	5.2	5.7	5.8	6.2	5.2	5.0	5.6
SR 7100	8.0	5.1	5.6	5.5	5.1	5.6	5.7	6.0	5.2	5.7	5.5
SRX 7MOBB	7.7	5.5	6.1	5.7	4.8	5.5	5.6	5.9	5.1	5.0	5.5
ABT-COL-2	6.3	4.7	5.8	5.6	5.0	5.6	5.6	6.0	5.0	5.3	5.5
PST-9PM	8.0	4.8	5.4	5.2	4.9	5.5	5.5	5.9	5.0	5.0	5.3
TIGER	8.0	5.4	5.6	5.2	4.8	5.4	5.3	5.4	4.9	5.3	5.3
GOLFSTAR	7.7	5.0	5.1	5.0	4.7	5.2	5.4	5.7	4.3	5.0	5.1
SEASIDE	6.0	4.6	4.4	4.6	4.6	4.9	5.0	5.4	4.4	4.7	4.9
LSD VALUE	0.4	0.8	0.6	0.6	0.5	0.4	0.5	0.5	1.2	1.1	0.4
C.V. (%)	3.9	26.1	24.2	22.2	24.0	20.5	22.3	20.3	29.9	11.6	17.3

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 3.

RANKING OF MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN
ON A FAIRWAY OR TEE AT TWENTY-ONE LOCATIONS IN THE U.S. AND CANADA 1/
1999 DATA

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

NAME	IA1	IL1	IN1	KS1	KY1	MA1	MI1	MN1	MO1	MT1	NE1	NJ1	NY1	PA1	QE1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
L-93	14.0	7.0	13.0	3.0	3.5	4.5	2.0	2.0	15.5	6.5	4.0	4.0	2.5	4.0	18.5	2.0	5.0	1.0	6.0	9.0	10.0	1
PST-0VN	8.0	8.0	9.0	1.0	16.0	4.5	1.0	1.0	9.0	13.0	14.0	2.0	9.5	5.5	2.0	5.0	16.0	5.0	2.0	9.0	5.0	2
CENTURY	1.5	24.0	4.0	11.5	23.5	7.5	10.0	5.5	19.5	2.0	3.0	13.5	6.0	14.5	7.5	7.5	4.0	10.5	3.0	2.0	11.5	3
TRUELINE	11.0	13.5	6.0	10.0	8.0	10.0	6.5	8.5	5.0	10.5	5.0	6.0	2.5	8.0	2.0	3.0	15.0	13.0	9.5	13.0	14.0	4
GRAND PRIX	7.0	17.5	1.5	4.5	15.0	2.0	3.0	8.5	25.0	21.0	20.0	7.0	14.0	5.5	7.5	4.0	1.0	10.5	6.0	3.5	1.0	5
IMPERIAL	1.5	9.0	8.0	11.5	18.5	3.0	4.5	5.5	26.0	12.0	2.0	13.5	6.0	9.0	13.5	9.0	11.0	8.5	4.0	1.0	19.5	6
BACKSPIN	3.0	21.0	1.5	9.0	22.0	1.0	8.5	11.0	21.5	1.0	7.0	19.0	17.5	18.0	13.5	6.0	6.5	20.5	13.5	5.5	17.0	7
SR 1119	9.0	15.0	15.0	14.0	12.5	11.5	4.5	3.0	24.0	4.5	6.0	15.0	6.0	3.0	13.5	7.5	12.0	13.0	9.5	3.5	4.0	8
PENN G-6	5.0	16.0	10.0	6.0	11.0	11.5	16.0	4.0	17.0	10.5	15.0	9.0	9.5	7.0	7.5	12.5	6.5	2.0	11.0	16.0	3.0	9
SRX 1BPAA	12.5	6.0	12.0	2.0	9.5	26.0	15.0	8.5	23.0	15.5	13.0	11.5	2.5	1.0	18.5	21.5	9.0	3.0	1.0	9.0	8.5	10
SRX 1120	10.0	23.0	20.0	7.0	14.0	7.5	8.5	17.0	11.5	9.0	9.5	11.5	2.5	11.0	23.0	12.5	10.0	16.5	8.0	9.0	15.5	11
PENNCROSS	12.5	21.0	11.0	4.5	23.5	6.0	12.0	16.0	1.0	6.5	19.0	22.0	17.5	24.0	7.5	1.0	2.0	4.0	6.0	18.5	13.0	12
PROVIDENCE	6.0	25.0	3.0	16.0	25.0	13.0	11.0	12.0	9.0	4.5	8.0	21.0	14.0	12.0	7.5	16.5	3.0	24.0	13.5	5.5	11.5	13
PRINCEVILLE	16.0	19.0	5.0	15.0	18.5	16.5	13.0	8.5	4.0	14.0	1.0	24.0	14.0	21.5	7.5	12.5	8.0	7.0	13.5	13.0	6.5	14
SEASIDE II	4.0	17.5	7.0	8.0	18.5	9.0	6.5	13.5	19.5	8.0	21.0	18.0	9.5	10.0	2.0	20.0	13.0	13.0	13.5	9.0	6.5	15
ISI AT-5	20.0	1.0	22.5	18.0	1.5	21.0	19.0	15.0	9.0	22.0	9.5	1.0	17.5	2.0	18.5	12.5	24.5	15.0	18.0	13.0	2.0	16
PENNEAGLE	15.0	21.0	16.0	13.0	21.0	24.5	20.5	18.0	14.0	3.0	22.0	25.0	17.5	25.0	7.5	16.5	14.0	8.5	16.5	16.0	15.5	17
SRX 7MODD	25.0	4.5	19.0	20.5	1.5	19.0	14.0	23.0	2.0	19.0	18.0	3.0	9.5	14.5	18.5	18.0	24.5	20.5	16.5	18.5	19.5	18
RADIANCE (PST-9HG)	17.0	2.0	24.0	19.0	5.5	21.0	22.0	19.0	3.0	19.0	25.0	10.0	23.0	13.0	23.0	21.5	22.5	6.0	21.0	21.5	8.5	19
SR 7100	19.0	11.5	18.0	25.0	12.5	15.0	23.5	13.5	6.5	17.0	16.0	17.0	25.5	19.5	18.5	10.0	18.0	16.5	24.0	16.0	19.5	20
SRX 7MOBB	23.0	4.5	26.0	22.5	7.0	14.0	20.5	22.0	21.5	26.0	12.0	5.0	12.0	16.5	23.0	15.0	19.0	18.5	24.0	21.5	19.5	21
ABT-COL-2	24.0	3.0	14.0	17.0	18.5	18.0	17.5	21.0	13.0	23.0	11.0	8.0	23.0	19.5	25.0	19.0	26.0	22.0	24.0	21.5	24.0	22
PST-9PM	22.0	10.0	22.5	24.0	5.5	21.0	17.5	26.0	6.5	24.0	24.0	16.0	21.0	21.5	26.0	25.0	22.5	18.5	19.0	24.5	23.0	23
TIGER	21.0	11.5	21.0	20.5	9.5	23.0	23.5	20.0	15.5	19.0	26.0	20.0	20.0	23.0	13.5	23.0	21.0	23.0	21.0	21.5	25.0	24
GOLFSTAR	26.0	13.5	25.0	26.0	3.5	24.5	25.0	24.0	18.0	25.0	17.0	23.0	23.0	16.5	7.5	24.0	20.0	26.0	21.0	24.5	26.0	25
SEASIDE	18.0	26.0	17.0	22.5	26.0	16.5	26.0	25.0	11.5	15.5	23.0	26.0	25.5	26.0	18.5	26.0	17.0	25.0	26.0	26.0	22.0	26

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

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	MO2	RI2	WA4	MEAN
ISI AT-5	6.6	7.3	6.0	6.6
ABT-COL-2	6.3	7.4	5.4	6.4
RADIANCE (PST-9HG)	6.8	6.7	5.6	6.3
SRX 1120	6.8	6.4	5.7	6.3
PST-0VN	6.8	5.9	5.9	6.2
PENNCROSS	7.1	5.6	5.6	6.1
SEASIDE II	6.2	6.5	5.6	6.1
PRINCEVILLE	6.6	5.8	5.8	6.1
PROVIDENCE	6.8	5.2	5.9	5.9
CENTURY	5.8	5.4	6.6	5.9
PST-9PM	6.8	5.7	5.3	5.9
BACKSPIN	5.9	6.0	5.9	5.9
SR 1119	5.7	5.8	6.2	5.9
TRUELINE	6.8	5.1	5.8	5.9
PENN G-6	6.2	5.8	5.6	5.9
SRX 1BPAA	6.7	5.2	5.6	5.8
PENNEAGLE	6.6	5.3	5.2	5.7
L-93	5.8	5.3	5.9	5.6
GRAND PRIX	5.2	5.6	6.1	5.6
IMPERIAL	4.8	4.9	6.5	5.4
GOLFSTAR	5.6	5.3	5.0	5.3
SRX 7MOBB	6.3	3.7	5.6	5.2
TIGER	6.6	3.6	5.2	5.1
SEASIDE	6.3	4.5	4.3	5.0
SR 7100	7.0	2.2	5.6	4.9
SRX 7MODD	6.5	1.9	6.0	4.8
LSD VALUE	1.4	1.1	0.6	0.6
C.V. (%)	13.4	12.5	6.3	11.4

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 5. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A FAIRWAY OR TEE AT FOUR LOCATIONS USING A 3/8 INCH MOWING HEIGHT 1/ 1999 DATA

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

NAME	MI1	NE1	NJ1	NY1	MEAN
L-93	6.8	6.7	6.3	6.7	6.6
TRUELINE	6.6	6.5	6.1	6.7	6.5
IMPERIAL	6.6	7.1	5.5	6.6	6.5
CENTURY	6.4	6.9	5.5	6.6	6.4
PST-OVN	6.9	5.4	6.6	6.4	6.3
SR 1119	6.6	6.3	5.5	6.6	6.3
ISI AT-5	5.9	5.9	6.9	6.1	6.2
SRX 1120	6.4	5.9	5.6	6.7	6.1
PRINCEVILLE	6.2	7.1	4.5	6.2	6.0
SRX 7MOBB	5.8	5.7	6.3	6.3	6.0
SRX 7MODD	6.2	4.9	6.5	6.4	6.0
SRX 1BPAA	6.1	5.6	5.6	6.7	6.0
GRAND PRIX	6.7	4.8	6.1	6.2	5.9
BACKSPIN	6.4	6.2	5.0	6.1	5.9
PENN G-6	6.1	5.3	5.8	6.4	5.9
ABT-COL-2	6.0	5.8	5.9	5.8	5.8
PROVIDENCE	6.4	5.9	4.9	6.2	5.8
SEASIDE II	6.6	4.6	5.2	6.4	5.7
PENNCROSS	6.3	4.9	4.8	6.1	5.5
SR 7100	5.5	5.2	5.3	5.4	5.3
PST-9PM	6.0	4.2	5.3	5.8	5.3
RADIANCE (PST-9HG)	5.6	3.9	5.6	5.8	5.2
GOLFSTAR	5.2	5.0	4.6	5.8	5.1
PENNEAGLE	5.8	4.4	3.7	6.1	5.0
TIGER	5.5	3.6	5.0	5.9	5.0
SEASIDE	4.9	4.3	1.9	5.4	4.1
LSD VALUE	0.7	1.6	0.7	0.6	0.5
C.V. (%)	7.3	18.3	8.4	5.9	10.7

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 6. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A FAIRWAY OR TEE AT TEN LOCATIONS USING A 1/2 INCH MOWING HEIGHT 1/ 1999 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/										MEAN
	IA1	IL1	IN1	MN1	MT1	PA1	QE1	VA1	WA1	WI1	
PST-OVN	6.1	6.5	4.7	6.7	6.5	7.3	5.9	5.9	7.8	5.7	6.3
CENTURY	6.7	5.9	5.4	6.4	7.1	6.8	5.8	5.7	7.4	5.5	6.3
SRX 1BPAA	5.8	6.6	4.4	6.4	6.3	7.9	5.7	6.1	7.8	5.6	6.3
L-93	5.7	6.6	4.4	6.5	6.9	7.5	5.7	6.3	7.3	5.6	6.3
GRAND PRIX	6.2	6.1	5.8	6.4	5.8	7.3	5.8	5.7	7.3	6.0	6.2
IMPERIAL	6.7	6.5	4.8	6.4	6.6	7.1	5.8	5.7	7.3	5.3	6.2
PENN G-6	6.3	6.1	4.6	6.4	6.7	7.2	5.8	6.1	7.0	5.8	6.2
SR 1119	6.1	6.2	4.3	6.5	7.0	7.8	5.8	5.6	7.1	5.7	6.2
BACKSPIN	6.6	6.0	5.8	6.2	7.1	6.6	5.8	5.4	6.9	5.4	6.2
TRUELINE	5.8	6.3	5.1	6.4	6.7	7.2	5.9	5.6	7.1	5.5	6.2
SEASIDE II	6.4	6.1	4.9	5.9	6.9	7.1	5.9	5.6	6.9	5.7	6.1
PROVIDENCE	6.2	5.8	5.7	6.1	7.0	7.0	5.8	5.1	6.9	5.5	6.1
PRINCEVILLE	5.3	6.0	5.3	6.4	6.4	6.2	5.8	5.8	6.9	5.7	6.0
PENNCROSS	5.8	6.0	4.5	5.9	6.9	5.9	5.8	6.0	7.3	5.5	6.0
SRX 1120	5.9	6.0	4.0	5.8	6.8	7.1	5.6	5.5	7.2	5.4	5.9
ISI AT-5	4.3	7.2	3.7	5.9	5.5	7.8	5.7	5.5	6.2	5.9	5.8
PENNEAGLE	5.7	6.0	4.2	5.8	7.1	5.4	5.8	5.7	6.4	5.4	5.8
RADIANCE (PST-9HG)	4.8	7.1	3.7	5.7	5.9	6.9	5.6	5.9	6.0	5.6	5.7
SR 7100	4.6	6.4	4.1	5.9	5.9	6.5	5.7	5.5	5.8	5.3	5.6
SRX 7MODD	3.8	6.8	4.0	5.4	5.9	6.8	5.7	5.4	6.4	5.3	5.5
ABT-COL-2	3.8	6.9	4.4	5.5	5.5	6.5	5.5	5.3	5.8	5.0	5.4
TIGER	4.2	6.4	3.8	5.5	5.9	6.1	5.8	5.2	6.0	5.0	5.4
SRX 7MOBB	4.1	6.8	3.1	5.5	4.9	6.7	5.6	5.5	5.8	5.3	5.3
PST-9PM	4.2	6.5	3.7	5.0	5.1	6.2	5.4	5.5	6.1	5.2	5.3
GOLFSTAR	3.7	6.3	3.2	5.3	5.0	6.7	5.8	4.1	6.0	4.9	5.1
SEASIDE	4.6	5.1	4.2	5.1	6.3	4.0	5.7	4.3	4.7	5.3	4.9
LSD VALUE	0.7	0.7	1.8	0.4	1.0	0.6	0.4	0.9	0.5	0.6	0.3
C.V. (%)	8.0	6.7	24.7	4.5	9.5	6.0	4.7	9.8	4.2	6.6	8.9

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 7. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A FAIRWAY OR TEE AT SEVEN LOCATIONS
USING A 5/8 INCH MOWING HEIGHT 1/
1999 DATA

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

NAME	KS1	KY1	MA1	MO1	SD1	UTL	WA3	MEAN
L-93	6.7	7.4	6.0	7.0	6.5	5.9	6.0	6.5
PENNCROSS	6.7	6.0	5.9	8.3	6.7	6.3	5.5	6.5
GRAND PRIX	6.7	6.6	6.2	5.8	6.2	6.4	6.3	6.3
BACKSPIN	6.3	6.4	6.4	6.7	6.1	5.9	6.2	6.3
PST-OVN	7.1	6.5	6.0	7.3	6.1	4.9	6.0	6.3
TRUELINE	6.3	7.2	5.7	7.5	6.2	4.9	5.8	6.2
CENTURY	6.2	6.0	5.8	6.8	6.1	5.9	6.8	6.2
PENN G-6	6.6	7.0	5.7	6.9	5.8	5.9	5.7	6.2
SRX 1120	6.4	6.7	5.8	7.3	5.8	5.4	6.0	6.2
PRINCEVILLE	6.1	6.5	5.4	7.6	5.8	5.7	5.8	6.1
PROVIDENCE	5.9	5.8	5.6	7.3	5.6	6.1	6.2	6.1
SRX 1BPAA	6.8	7.0	5.1	6.7	5.2	5.6	6.0	6.0
SR 1119	6.1	6.8	5.7	6.0	6.1	5.3	6.3	6.0
IMPERIAL	6.2	6.5	6.1	5.1	5.9	5.3	7.0	6.0
SEASIDE II	6.4	6.5	5.8	6.8	5.2	5.1	6.0	6.0
PENNEAGLE	6.2	6.4	5.1	7.1	5.6	5.0	5.7	5.9
ISI AT-5	5.6	7.6	5.2	7.3	5.8	2.1	5.8	5.6
SRX 7MODD	5.4	7.6	5.3	7.8	5.4	2.1	5.5	5.6
SR 7100	4.8	6.8	5.5	7.4	5.9	2.7	5.7	5.5
RADIANCE (PST-9HG)	5.6	7.4	5.2	7.7	5.2	2.2	5.3	5.5
SRX 7MOBB	5.3	7.3	5.5	6.7	5.6	2.3	5.3	5.5
TIGER	5.4	7.0	5.2	7.0	5.1	2.3	5.3	5.3
PST-9PM	5.0	7.4	5.2	7.4	4.8	2.2	5.2	5.3
ABT-COL-2	5.7	6.5	5.4	7.2	5.3	1.7	5.3	5.3
GOLFSTAR	4.3	7.4	5.1	6.9	5.1	2.3	5.2	5.2
SEASIDE	5.3	5.2	5.4	7.3	4.4	3.8	4.8	5.2
LSD VALUE	0.6	0.3	0.9	1.5	0.8	1.2	0.9	0.4
C.V. (%)	6.6	3.1	10.6	12.8	8.4	16.4	9.3	9.9

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 8. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A FAIRWAY OR TEE AT DIFFERENT MOWING HEIGHTS 1/ 1999 DATA

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

NAME	3/8 INCH	1/2 INCH	5/8 INCH	MEAN
L-93	6.5	6.4	6.4	6.4
PST-0VN	6.1	6.3	6.4	6.3
CENTURY	5.8	6.5	6.1	6.3
TRUELINE	6.3	6.3	6.2	6.2
GRAND PRIX	6.3	6.1	6.3	6.2
IMPERIAL	5.9	6.2	6.3	6.2
BACKSPIN	5.9	6.3	6.0	6.2
SR 1119	6.3	6.1	6.2	6.2
PENN G-6	6.4	6.2	6.0	6.2
SRX 1BPAA	6.3	6.2	6.0	6.1
SRX 1120	6.1	6.1	6.0	6.1
PENNCROSS	5.8	6.2	5.8	6.1
PROVIDENCE	5.7	6.2	5.8	6.0
PRINCEVILLE	6.1	6.3	5.7	6.0
SEASIDE II	6.1	6.0	5.9	6.0
ISI AT-5	6.7	5.3	6.4	5.8
PENNEAGLE	5.9	5.8	5.3	5.6
SRX 7MODD	6.5	5.3	6.0	5.6
RADIANCE (PST-9HG)	6.5	5.2	5.9	5.6
SR 7100	6.1	5.2	5.8	5.5
SRX 7MOBB	6.3	5.1	6.0	5.5
ABT-COL-2	5.8	5.2	5.8	5.5
PST-9PM	6.3	5.0	5.5	5.3
TIGER	6.0	5.0	5.5	5.3
GOLFSTAR	6.1	4.7	5.5	5.1
SEASIDE	5.2	5.0	4.5	4.9
LSD VALUE	0.5	0.3	0.4	0.2
C.V. (%)	10.7	8.9	9.9	9.6

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 9. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A FAIRWAY OR TEE AT TWO LOCATIONS
USING 1.0-2.0 LBS. OF NITROGEN/1000 SQ. FT./YEAR 1/
1999 DATA

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

NAME	KY1	WI1	MEAN
ISI AT-5	7.6	5.9	6.7
RADIANCE (PST-9HG)	7.4	5.6	6.5
L-93	7.4	5.6	6.5
SRX 7MODD	7.6	5.3	6.5
PENN G-6	7.0	5.8	6.4
TRUELINE	7.2	5.5	6.3
GRAND PRIX	6.6	6.0	6.3
SRX 1BPAA	7.0	5.6	6.3
SRX 7MOBB	7.3	5.3	6.3
PST-9PM	7.4	5.2	6.3
SR 1119	6.8	5.7	6.3
GOLFSTAR	7.4	4.9	6.1
PST-0VN	6.5	5.7	6.1
PRINCEVILLE	6.5	5.7	6.1
SEASIDE II	6.5	5.7	6.1
SR 7100	6.8	5.3	6.1
SRX 1120	6.7	5.4	6.1
TIGER	7.0	5.0	6.0
PENNEAGLE	6.4	5.4	5.9
IMPERIAL	6.5	5.3	5.9
BACKSPIN	6.4	5.4	5.9
CENTURY	6.0	5.5	5.8
PENNCROSS	6.0	5.5	5.8
ABT-COL-2	6.5	5.0	5.8
PROVIDENCE	5.8	5.5	5.7
SEASIDE	5.2	5.3	5.2
LSD VALUE	0.3	0.6	0.3
C.V. (%)	3.1	6.6	4.8

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 10.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A FAIRWAY OR TEE AT TWELVE LOCATIONS
USING 2.1-4.0 LBS. OF NITROGEN/1000 SQ. FT./YEAR 1/
1999 DATA

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

NAME	IA1	IN1	KS1	MI1	MN1	MO1	MT1	NE1	NY1	UT1	VA1	WA1	MEAN
CENTURY	6.7	5.4	6.2	6.4	6.4	6.8	7.1	6.9	6.6	5.9	5.7	7.4	6.5
L-93	5.7	4.4	6.7	6.8	6.5	7.0	6.9	6.7	6.7	5.9	6.3	7.3	6.4
BACKSPIN	6.6	5.8	6.3	6.4	6.2	6.7	7.1	6.2	6.1	5.9	5.4	6.9	6.3
PST-OVN	6.1	4.7	7.1	6.9	6.7	7.3	6.5	5.4	6.4	4.9	5.9	7.8	6.3
TRUELINE	5.8	5.1	6.3	6.6	6.4	7.5	6.7	6.5	6.7	4.9	5.6	7.1	6.3
PRINCEVILLE	5.3	5.3	6.1	6.2	6.4	7.6	6.4	7.1	6.2	5.7	5.8	6.9	6.3
PENNCROSS	5.8	4.5	6.7	6.3	5.9	8.3	6.9	4.9	6.1	6.3	6.0	7.3	6.2
PROVIDENCE	6.2	5.7	5.9	6.4	6.1	7.3	7.0	5.9	6.2	6.1	5.1	6.9	6.2
IMPERIAL	6.7	4.8	6.2	6.6	6.4	5.1	6.6	7.1	6.6	5.3	5.7	7.3	6.2
SRX 1BPAA	5.8	4.4	6.8	6.1	6.4	6.7	6.3	5.6	6.7	5.6	6.1	7.8	6.2
PENN G-6	6.3	4.6	6.6	6.1	6.4	6.9	6.7	5.3	6.4	5.9	6.1	7.0	6.2
GRAND PRIX	6.2	5.8	6.7	6.7	6.4	5.8	5.8	4.8	6.2	6.4	5.7	7.3	6.1
SR 1119	6.1	4.3	6.1	6.6	6.5	6.0	7.0	6.3	6.6	5.3	5.6	7.1	6.1
SRX 1120	5.9	4.0	6.4	6.4	5.8	7.3	6.8	5.9	6.7	5.4	5.5	7.2	6.1
SEASIDE II	6.4	4.9	6.4	6.6	5.9	6.8	6.9	4.6	6.4	5.1	5.6	6.9	6.0
PENNEAGLE	5.7	4.2	6.2	5.8	5.8	7.1	7.1	4.4	6.1	5.0	5.7	6.4	5.8
ISI AT-5	4.3	3.7	5.6	5.9	5.9	7.3	5.5	5.9	6.1	2.1	5.5	6.2	5.3
SRX 7MODD	3.8	4.0	5.4	6.2	5.4	7.8	5.9	4.9	6.4	2.1	5.4	6.4	5.3
SR 7100	4.6	4.1	4.8	5.5	5.9	7.4	5.9	5.2	5.4	2.7	5.5	5.8	5.2
RADIANCE (PST-9HG)	4.8	3.7	5.6	5.6	5.7	7.7	5.9	3.9	5.8	2.2	5.9	6.0	5.2
ABT-COL-2	3.8	4.4	5.7	6.0	5.5	7.2	5.5	5.8	5.8	1.7	5.3	5.8	5.2
SRX 7MOBB	4.1	3.1	5.3	5.8	5.5	6.7	4.9	5.7	6.3	2.3	5.5	5.8	5.1
SEASIDE	4.6	4.2	5.3	4.9	5.1	7.3	6.3	4.3	5.4	3.8	4.3	4.7	5.0
TIGER	4.2	3.8	5.4	5.5	5.5	7.0	5.9	3.6	5.9	2.3	5.2	6.0	5.0
PST-9PM	4.2	3.7	5.0	6.0	5.0	7.4	5.1	4.2	5.8	2.2	5.5	6.1	5.0
GOLFSTAR	3.7	3.2	4.3	5.2	5.3	6.9	5.0	5.0	5.8	2.3	4.1	6.0	4.7
LSD VALUE	0.7	1.8	0.6	0.7	0.4	1.5	1.0	1.6	0.6	1.2	0.9	0.5	0.3
C.V. (%)	8.0	24.7	6.6	7.3	4.5	12.8	9.5	18.3	5.9	16.4	9.8	4.2	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.

TABLE 11. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A FAIRWAY OR TEE AT SEVEN LOCATIONS
USING 4.1+ LBS. OF NITROGEN/1000 SQ. FT./YEAR 1/
1999 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/								
NAME	IL1	MA1	NJ1	PA1	QE1	SD1	WA3	MEAN
L-93	6.6	6.0	6.3	7.5	5.7	6.5	6.0	6.4
PST-0VN	6.5	6.0	6.6	7.3	5.9	6.1	6.0	6.4
ISI AT-5	7.2	5.2	6.9	7.8	5.7	5.8	5.8	6.4
GRAND PRIX	6.1	6.2	6.1	7.3	5.8	6.2	6.3	6.3
IMPERIAL	6.5	6.1	5.5	7.1	5.8	5.9	7.0	6.3
TRUELINE	6.3	5.7	6.1	7.2	5.9	6.2	5.8	6.2
SR 1119	6.2	5.7	5.5	7.8	5.8	6.1	6.3	6.2
CENTURY	5.9	5.8	5.5	6.8	5.8	6.1	6.8	6.1
PENN G-6	6.1	5.7	5.8	7.2	5.8	5.8	5.7	6.0
BACKSPIN	6.0	6.4	5.0	6.6	5.8	6.1	6.2	6.0
SRX 1BPAA	6.6	5.1	5.6	7.9	5.7	5.2	6.0	6.0
SRX 7MODD	6.8	5.3	6.5	6.8	5.7	5.4	5.5	6.0
SRX 7MOBB	6.8	5.5	6.3	6.7	5.6	5.6	5.3	6.0
SRX 1120	6.0	5.8	5.6	7.1	5.6	5.8	6.0	6.0
SEASIDE II	6.1	5.8	5.2	7.1	5.9	5.2	6.0	5.9
RADIANCE (PST-9HG)	7.1	5.2	5.6	6.9	5.6	5.2	5.3	5.9
SR 7100	6.4	5.5	5.3	6.5	5.7	5.9	5.7	5.8
PROVIDENCE	5.8	5.6	4.9	7.0	5.8	5.6	6.2	5.8
ABT-COL-2	6.9	5.4	5.9	6.5	5.5	5.3	5.3	5.8
PENNCROSS	6.0	5.9	4.8	5.9	5.8	6.7	5.5	5.8
PRINCEVILLE	6.0	5.4	4.5	6.2	5.8	5.8	5.8	5.7
TIGER	6.4	5.2	5.0	6.1	5.8	5.1	5.3	5.5
GOLFSTAR	6.3	5.1	4.6	6.7	5.8	5.1	5.2	5.5
PST-9PM	6.5	5.2	5.3	6.2	5.4	4.8	5.2	5.5
PENNEAGLE	6.0	5.1	3.7	5.4	5.8	5.6	5.7	5.3
SEASIDE	5.1	5.4	1.9	4.0	5.7	4.4	4.8	4.5
LSD VALUE	0.7	0.9	0.7	0.6	0.4	0.8	0.9	0.3
C.V. (%)	6.7	10.6	8.4	6.0	4.7	8.4	9.3	7.8

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. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A FAIRWAY OR TEE USING DIFFERENT NITROGEN LEVELS 1/
1999 DATA

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

NAME	NITROGEN LEVELS (LBS. OF N/1000 SQ. FT./YEAR)			MEAN
	1.0-2.0	2.1-4.0	4.1+	
L-93	6.5	6.4	6.4	6.4
PST-0VN	6.1	6.3	6.4	6.3
CENTURY	5.8	6.5	6.1	6.3
TRUELINE	6.3	6.3	6.2	6.2
GRAND PRIX	6.3	6.1	6.3	6.2
IMPERIAL	5.9	6.2	6.3	6.2
BACKSPIN	5.9	6.3	6.0	6.2
SR 1119	6.3	6.1	6.2	6.2
PENN G-6	6.4	6.2	6.0	6.2
SRX 1BPAA	6.3	6.2	6.0	6.1
SRX 1120	6.1	6.1	6.0	6.1
PENNCROSS	5.8	6.2	5.8	6.1
PROVIDENCE	5.7	6.2	5.8	6.0
PRINCEVILLE	6.1	6.3	5.7	6.0
SEASIDE II	6.1	6.0	5.9	6.0
ISI AT-5	6.7	5.3	6.4	5.8
PENNEAGLE	5.9	5.8	5.3	5.6
SRX 7MODD	6.5	5.3	6.0	5.6
RADIANCE (PST-9HG)	6.5	5.2	5.9	5.6
SR 7100	6.1	5.2	5.8	5.5
SRX 7MOBB	6.3	5.1	6.0	5.5
ABT-COL-2	5.8	5.2	5.8	5.5
PST-9PM	6.3	5.0	5.5	5.3
TIGER	6.0	5.0	5.5	5.3
GOLFSTAR	6.1	4.7	5.5	5.1
SEASIDE	5.2	5.0	4.5	4.9
LSD VALUE	0.3	0.3	0.3	0.2
C.V. (%)	4.8	11.2	7.8	9.6

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 13.

GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999 DATA

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

NAME	IA1	IL1	KSI	KY1	MI1	MNI	MO2	MT1	NE1	NY1	PA1	QE1	RI2	SD1	UT1	VA1	WA4	WI1	MEAN
SRX 7MODD	7.3	7.3	8.0	9.0	8.3	7.0	6.0	6.3	7.0	7.3	8.0	6.3	6.0	6.3	3.7	6.7	7.3	8.0	7.0
SRX 1BPAA	6.3	6.0	9.0	5.7	7.7	6.7	7.0	8.7	6.3	8.0	7.0	5.0	6.3	5.3	6.0	7.0	8.0	7.7	6.9
L-93	7.3	6.0	9.0	6.0	7.3	6.7	7.0	7.7	7.3	7.3	6.0	5.0	7.0	5.3	5.3	6.7	7.3	7.0	6.7
PST-0VN	6.3	5.7	8.7	6.0	7.7	6.3	7.0	8.0	7.7	7.0	7.0	5.0	6.7	4.3	5.3	6.0	7.7	8.0	6.7
SRX 7MOBB	7.7	7.3	7.0	8.3	8.3	6.7	6.0	6.3	7.7	7.0	6.3	6.0	6.3	7.0	3.0	5.0	6.7	7.3	6.7
TIGER	7.7	7.7	6.7	8.0	8.3	6.3	6.0	6.0	8.3	6.3	4.3	6.0	8.0	6.7	4.3	5.7	6.7	6.7	6.6
GOLFSTAR	6.7	7.3	7.0	7.7	7.7	6.0	4.0	7.0	6.7	6.7	9.0	6.0	6.3	6.0	3.0	5.0	7.0	8.3	6.5
SR 1119	6.0	5.7	8.3	5.3	7.7	6.7	6.0	7.7	6.3	7.3	6.0	5.0	6.7	4.7	5.3	7.0	8.0	6.3	6.4
SRX 1120	6.7	6.3	8.3	5.7	7.3	6.3	6.0	8.0	6.3	7.3	6.0	5.0	5.7	4.7	5.7	5.7	7.0	7.3	6.4
PST-9PM	7.0	7.3	7.0	7.3	8.0	6.3	4.0	6.3	6.7	6.0	6.0	6.3	6.3	6.7	3.0	6.0	7.0	7.7	6.4
ISI AT-5	7.0	7.0	7.7	7.3	8.0	6.0	6.7	5.7	6.7	6.7	4.7	6.0	6.0	6.3	3.0	6.7	6.0	7.0	6.4
GRAND PRIX	6.3	5.7	8.3	5.7	7.7	6.3	6.0	6.7	7.3	6.7	5.3	5.0	5.7	5.3	6.0	6.7	6.7	6.7	6.3
TRUELINE	6.3	5.3	8.0	5.7	8.0	6.3	6.0	7.7	7.0	7.3	6.3	5.0	6.3	4.3	5.0	5.3	7.3	6.7	6.3
PENNCROSS	6.0	5.3	8.7	6.7	7.7	6.3	7.0	7.3	6.0	6.3	5.3	5.0	6.3	4.7	6.3	5.7	6.3	6.7	6.3
PROVIDENCE	6.3	6.3	8.0	7.0	6.7	6.3	7.0	7.0	6.3	6.7	5.3	5.0	6.3	4.7	5.0	6.0	6.7	6.7	6.3
IMPERIAL	7.0	5.7	8.3	6.3	8.0	6.3	6.0	6.7	6.7	7.3	5.7	5.0	5.7	5.0	5.3	5.0	6.3	6.7	6.3
PENN G-6	6.7	6.0	8.0	6.0	7.7	6.0	6.7	6.7	7.0	6.7	6.0	5.0	6.0	4.3	6.0	5.7	6.3	6.3	6.3
CENTURY	7.0	5.7	8.0	5.7	8.0	6.3	5.0	7.0	7.0	7.3	5.7	5.0	6.0	4.7	5.7	6.0	6.0	6.3	6.2
RADIANCE (PST-9HG)	7.0	6.7	7.0	7.7	8.0	6.7	4.0	6.0	6.3	6.0	5.7	6.0	6.0	6.7	3.7	5.7	6.7	6.3	6.2
SR 7100	7.7	7.0	7.3	7.3	8.3	5.7	6.0	6.0	6.0	5.7	4.0	6.0	6.3	6.3	3.3	4.7	5.3	5.7	6.0
ABT-COL-2	6.7	6.0	7.3	7.0	7.0	6.0	5.0	6.3	6.7	6.3	4.0	6.0	6.0	6.0	3.3	4.7	6.7	7.3	6.0
SEASIDE II	6.7	5.7	7.7	6.0	7.3	6.3	6.0	6.7	7.3	7.0	5.3	5.0	6.0	3.7	4.7	5.3	6.0	5.0	6.0
BACKSPIN	7.0	5.3	7.7	5.0	7.3	6.7	4.0	7.0	6.0	6.7	5.0	5.0	6.0	4.3	5.3	5.0	6.3	7.0	5.9
PENNEAGLE	7.0	5.3	7.3	5.0	7.0	6.0	6.0	6.7	7.0	6.3	5.0	5.0	6.0	4.3	4.7	5.3	6.3	5.7	5.9
PRINCEVILLE	5.7	5.7	8.0	5.0	7.7	6.3	6.0	6.3	6.7	6.7	4.7	5.0	6.0	4.7	5.0	5.3	6.0	5.0	5.9
SEASIDE	5.3	5.0	6.7	4.0	6.3	6.0	6.0	5.7	5.0	7.0	2.3	4.7	5.3	4.0	3.7	3.3	5.0	3.0	4.9
LSD VALUE	1.3	0.9	0.9	1.0	0.9	0.9	0.3	0.9	1.3	0.9	1.0	0.3	0.8	1.3	1.4	1.3	0.7	1.0	0.2
C.V. (%)	11.9	8.6	7.4	9.5	7.2	8.9	2.7	8.5	11.9	7.8	10.7	3.7	7.5	15.0	18.1	14.0	6.8	9.4	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.

TABLE 14.

SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999 DATA

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

NAME	IA1	IL1	IN1	MA1	MN1	MO2	NE1	NJ1	RI2	SD1	WI1	MEAN
SR 7100	5.7	7.0	4.7	6.3	7.7	7.0	6.7	8.3	7.0	6.3	8.0	6.8
TIGER	5.7	5.7	5.0	6.3	7.7	6.0	7.7	6.7	8.0	5.7	8.3	6.6
SRX 7MOBB	6.7	7.0	4.7	6.0	7.3	7.0	7.3	6.3	6.0	5.7	7.7	6.5
SRX 7MODD	6.3	6.7	4.7	5.3	7.3	6.0	6.0	8.3	7.0	5.3	7.3	6.4
ISI AT-5	6.0	6.0	4.7	3.3	7.3	6.0	7.3	7.7	6.7	5.0	8.7	6.2
GOLFSTAR	6.0	6.3	4.3	6.7	8.0	4.0	5.3	5.0	6.0	5.7	7.3	5.9
RADIANCE (PST-9HG)	6.0	5.7	4.0	4.7	7.3	4.0	6.3	6.0	6.3	6.3	7.7	5.8
SEASIDE	6.3	5.0	4.0	7.0	7.7	6.0	4.3	7.0	6.3	5.3	5.3	5.8
PST-9PM	5.7	5.7	4.3	4.3	6.0	5.0	7.0	6.3	7.7	5.0	7.3	5.8
PROVIDENCE	6.3	5.0	3.0	5.7	8.0	6.0	6.3	3.7	8.0	5.7	6.0	5.8
IMPERIAL	6.0	6.0	4.3	5.0	7.7	6.0	7.0	4.7	5.3	5.0	6.0	5.7
BACKSPIN	6.0	6.7	3.7	5.7	7.7	6.0	5.7	4.0	5.0	6.0	6.0	5.7
TRUELINE	6.3	5.3	3.7	6.0	7.3	5.0	5.3	5.7	5.3	5.7	6.7	5.7
CENTURY	5.7	5.7	4.0	5.3	7.7	6.0	6.7	4.0	5.0	5.3	6.3	5.6
PENNCROSS	6.0	6.0	3.7	5.7	6.7	6.0	6.7	4.0	5.3	6.0	5.3	5.6
GRAND PRIX	6.0	5.3	3.7	5.3	7.3	6.0	6.7	4.0	5.3	5.0	6.7	5.6
SRX 1BPAA	6.0	6.3	4.0	4.3	7.3	7.0	5.7	4.0	5.7	5.0	6.0	5.6
PENN G-6	5.7	6.7	4.0	6.0	7.7	5.0	6.3	4.0	5.0	4.0	6.7	5.5
L-93	6.0	5.0	4.0	6.0	7.3	6.0	6.0	4.0	4.3	6.0	6.0	5.5
PRINCEVILLE	6.0	5.3	3.3	5.3	7.3	6.0	5.7	4.3	5.0	6.3	5.7	5.5
SEASIDE II	6.0	6.3	3.0	5.3	7.0	5.0	7.0	3.7	6.0	4.7	5.7	5.4
ABT-COL-2	5.7	4.3	4.0	4.3	5.3	6.7	7.0	5.0	6.0	4.7	6.3	5.4
SRX 1120	6.0	4.3	3.3	4.7	6.7	7.0	6.0	5.7	4.7	4.3	6.3	5.4
PENNEAGLE	5.3	5.0	3.3	5.3	7.0	5.3	6.7	4.7	5.3	4.7	5.7	5.3
SR 1119	6.7	5.7	3.3	5.0	7.0	6.0	5.0	4.0	4.7	4.3	6.0	5.2
PST-0VN	6.3	4.7	3.7	4.7	6.0	6.0	6.7	4.0	5.0	4.7	5.3	5.2
LSD VALUE	1.3	1.3	1.1	1.8	1.0	0.3	1.6	1.4	1.2	1.5	1.3	0.4
C.V. (%)	13.3	14.0	16.8	21.1	8.3	2.7	15.5	16.2	12.2	18.0	12.1	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 15.

LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/									
	IA1	KS1	KY1	MN1	MO2	MT1	NE1	QE1	RI2	MEAN
L-93	6.0	8.3	8.3	6.0	7.0	6.3	8.7	8.0	7.0	7.3
SRX 1120	6.7	8.3	7.7	6.7	6.3	5.3	8.3	7.7	8.0	7.2
CENTURY	6.7	9.0	8.0	6.3	6.0	4.3	8.7	8.0	7.7	7.2
PROVIDENCE	7.0	8.0	7.3	7.0	7.0	4.7	8.3	8.0	7.3	7.2
TIGER	7.3	6.3	9.0	6.3	7.0	5.0	7.0	8.0	8.0	7.1
IMPERIAL	7.0	8.7	7.0	6.3	6.0	4.3	9.0	8.0	7.3	7.1
PENN G-6	6.7	8.0	8.3	5.7	6.7	5.0	7.7	8.0	7.7	7.1
BACKSPIN	7.0	7.7	7.3	6.0	6.0	5.7	8.3	8.0	7.0	7.0
SR 1119	6.0	8.3	7.0	6.3	6.0	5.7	8.7	8.0	7.0	7.0
PST-0VN	6.3	8.0	7.7	6.7	7.0	3.7	8.0	8.0	7.3	7.0
GRAND PRIX	6.0	8.3	7.3	7.0	6.0	4.7	7.7	8.0	7.7	7.0
SRX 1BPAA	5.7	8.7	7.7	6.0	6.7	4.3	8.3	8.0	7.0	6.9
SRX 7MOBB	7.0	6.3	8.3	7.3	6.7	4.0	8.3	8.0	6.3	6.9
SEASIDE II	6.7	8.0	7.3	7.0	6.0	5.0	7.7	7.7	6.7	6.9
PENNCROSS	6.0	7.7	7.7	5.7	7.0	4.7	7.7	8.0	7.3	6.9
SR 7100	7.0	5.7	9.0	7.0	6.7	4.0	7.7	8.0	6.7	6.9
TRUELINE	6.3	8.0	7.3	6.7	6.7	3.7	8.0	8.0	7.0	6.9
ISI AT-5	6.3	6.0	8.7	7.0	6.7	4.0	8.3	8.0	6.3	6.8
PRINCEVILLE	5.3	7.7	7.0	6.0	7.0	4.7	8.7	8.0	7.0	6.8
ABT-COL-2	6.3	7.0	7.7	7.0	6.0	4.0	8.7	8.0	6.3	6.8
SRX 7MDD	6.0	6.3	9.0	7.0	6.3	3.7	8.0	8.0	6.0	6.7
PENNEAGLE	7.0	6.7	7.0	5.7	6.0	5.0	7.3	7.3	7.0	6.6
PST-9EM	5.3	5.3	8.0	6.3	6.0	5.0	7.7	7.7	6.3	6.4
RADIANCE (PST-9HG)	6.0	6.0	8.7	6.0	4.0	4.3	6.7	8.0	7.0	6.3
GOLFSTAR	6.0	4.7	8.7	6.0	4.0	4.3	7.7	8.0	6.7	6.2
SEASIDE	5.3	4.3	5.0	6.0	4.0	5.3	6.3	7.3	6.3	5.6
LSD VALUE	1.6	1.4	0.7	1.3	0.8	1.5	1.3	0.4	0.8	0.4
C.V. (%)	15.9	12.1	5.8	12.6	7.6	20.1	10.4	3.2	6.9	10.6

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.

SEEDLING VIGOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999 DATA

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

NAME	IN1	KY1	MA1	MI1	MN1	MO2	MT1	NJ1	NY1	PA1	QE1	RI2	SD1	WA1	WA4	MEAN
PRINCEVILLE	6.3	6.7	7.3	5.3	8.0	6.3	6.7	7.7	7.0	7.7	5.3	6.3	7.7	7.3	6.7	6.8
PENNCROSS	6.0	6.7	6.7	6.0	8.0	6.0	6.7	8.0	7.3	7.7	5.3	6.7	7.3	6.7	6.7	6.8
BACKSPIN	6.3	6.0	6.3	5.0	8.3	5.7	7.0	9.0	6.0	6.3	5.3	6.7	7.7	6.7	6.0	6.6
TRUELINE	6.3	6.0	7.7	6.0	7.7	6.7	6.0	7.7	6.7	5.7	5.3	6.0	7.7	6.7	6.0	6.5
PENN G-6	6.0	7.7	6.7	5.7	8.7	6.0	6.0	7.7	6.7	6.0	5.7	6.0	5.7	7.0	6.0	6.5
SEASIDE II	6.0	7.0	6.0	6.0	8.3	5.3	7.0	6.3	7.0	6.3	5.3	7.3	6.3	6.7	6.0	6.5
L-93	6.0	6.0	7.0	5.3	7.3	6.7	6.3	5.3	7.3	6.0	5.3	6.0	7.0	7.0	7.3	6.4
SEASIDE	5.3	7.7	6.7	4.3	8.7	4.3	7.0	8.7	6.3	5.3	5.7	5.7	6.0	7.7	6.3	6.4
PROVIDENCE	6.0	7.0	6.7	4.7	8.0	7.0	6.7	4.7	7.0	6.7	5.3	6.3	6.3	7.0	6.3	6.4
IMPERIAL	6.3	6.0	5.7	6.0	7.7	6.0	7.0	7.0	7.0	5.3	5.3	6.3	5.7	7.0	6.7	6.3
GRAND PRIX	5.7	5.7	6.3	5.3	7.7	6.0	6.0	5.3	6.7	5.7	5.3	6.7	7.0	6.7	7.0	6.2
TIGER	4.0	6.7	6.3	4.7	8.3	6.0	5.7	7.0	7.0	7.7	5.7	4.7	5.7	6.7	6.7	6.2
PENNEAGLE	5.7	7.3	7.0	5.0	7.0	6.0	5.7	6.7	7.0	4.3	5.3	5.7	6.0	7.0	5.3	6.1
CENTURY	6.0	5.7	6.3	4.7	7.0	6.3	7.7	4.7	7.0	5.0	5.3	6.3	6.0	6.7	6.3	6.1
PST-0VN	5.7	5.7	5.7	4.0	8.0	6.7	7.0	4.7	6.7	5.0	5.3	6.7	6.0	6.3	7.3	6.0
SR 1119	6.7	5.3	4.3	6.0	7.7	6.3	7.3	4.3	7.3	4.7	5.0	6.0	5.7	7.0	6.0	6.0
SR 7100	6.0	5.3	6.0	5.3	7.7	6.3	6.0	7.0	6.7	6.7	5.3	3.0	6.0	5.7	6.7	6.0
GOLFSTAR	5.0	5.0	6.0	4.0	7.0	5.0	5.3	6.0	6.3	7.0	5.7	6.7	5.7	7.0	5.7	5.8
ISI AT-5	5.0	5.3	5.3	4.3	7.3	6.0	5.0	4.3	7.3	4.7	5.3	7.3	5.3	6.3	6.3	5.7
SRX 1BPAA	7.0	5.3	4.3	3.7	6.7	6.7	6.3	6.0	6.0	1.7	4.7	6.0	5.3	7.0	6.3	5.5
ABT-COL-2	5.7	5.3	4.3	4.0	6.0	7.0	4.7	5.7	6.0	2.7	4.7	7.7	6.3	5.7	6.3	5.5
SRX 1120	5.0	5.0	5.3	3.7	6.3	6.0	6.0	4.3	6.7	2.0	4.3	7.7	5.3	6.7	5.7	5.3
SRX 7MOBB	5.0	5.0	5.3	4.3	6.3	6.3	5.7	4.7	6.7	1.7	5.0	5.0	5.7	7.0	5.7	5.3
RADIANCE (PST-9HG)	5.0	4.7	4.3	4.0	6.3	5.0	6.0	5.7	6.0	2.7	5.0	8.3	5.3	5.7	5.0	5.3
SRX 7MODD	5.7	5.3	4.7	4.3	5.0	6.7	5.7	4.0	6.3	1.0	5.3	3.3	6.0	5.3	6.3	5.0
PST-9PM	4.7	4.7	4.0	4.3	5.3	6.3	5.7	4.0	6.3	1.0	4.3	6.7	5.0	6.0	5.0	4.9
LSD VALUE	1.8	1.3	2.2	2.6	1.3	0.8	1.4	2.1	1.1	1.4	1.0	2.1	1.4	0.7	1.3	0.4
C.V. (%)	19.1	13.9	22.9	33.6	11.3	7.7	14.0	22.0	10.1	18.1	11.7	21.1	13.8	6.8	13.0	16.5

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 17.

SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/										
	IA1	II1	KY1	MO2	MT1	NE1	PA1	SD1	WA4	WI1	MEAN
CENTURY	7.3	8.0	6.0	7.0	7.7	7.7	8.3	6.0	7.0	7.3	7.2
BACKSPIN	7.3	7.3	7.3	7.3	7.0	7.3	8.0	6.0	6.3	6.0	7.0
IMPERIAL	6.7	7.3	7.0	7.0	7.0	7.7	8.3	6.0	7.3	5.7	7.0
SR 1119	6.0	6.7	8.0	6.7	7.3	7.7	8.0	6.0	6.7	6.3	6.9
GRAND PRIX	5.7	7.7	7.0	7.3	6.3	6.7	8.0	5.7	6.3	7.7	6.8
L-93	6.0	7.0	7.3	7.0	6.3	7.7	8.0	5.3	6.3	7.0	6.8
PENN G-6	6.3	7.0	8.0	7.0	6.0	7.0	7.7	5.3	6.0	7.3	6.8
PROVIDENCE	7.0	6.7	6.0	7.0	6.7	7.7	8.0	6.0	6.3	5.7	6.7
SRX 1BPAA	5.3	7.3	7.7	7.3	6.7	7.0	8.0	5.3	6.7	5.7	6.7
SRX 7MOBB	5.3	7.3	8.0	7.3	5.0	7.0	9.0	6.7	6.3	5.0	6.7
PST-0VN	6.3	7.0	6.3	7.3	7.3	6.7	8.0	5.0	6.7	6.3	6.7
ISI AT-5	4.3	7.7	9.0	7.3	5.0	6.7	9.0	6.0	6.3	5.0	6.6
SR 7100	5.3	6.3	8.7	7.3	5.7	7.0	8.3	6.7	6.0	5.0	6.6
TRUELINE	5.7	6.7	6.3	7.3	6.7	8.0	8.0	6.0	5.7	6.0	6.6
SEASIDE II	6.0	6.0	7.3	6.7	7.7	6.3	8.0	5.3	6.3	6.0	6.6
PRINCEVILLE	5.7	6.3	6.0	7.3	7.0	8.3	7.0	5.3	5.3	7.0	6.5
PENNCROSS	6.3	6.3	6.3	6.7	7.3	6.3	8.0	5.0	6.0	6.7	6.5
RADIANCE (EST-9HG)	5.3	7.3	7.0	7.0	6.0	6.0	8.0	6.7	5.3	5.7	6.4
SRX 1120	5.7	6.7	7.0	7.0	5.7	7.3	7.7	5.0	6.7	5.0	6.4
SRX 7MODD	4.7	7.0	7.7	7.3	5.0	6.0	8.7	6.0	6.3	4.0	6.3
ABT-COL-2	4.3	7.3	7.3	7.7	4.3	6.7	8.7	6.0	6.0	4.0	6.2
TIGER	4.7	7.3	6.3	6.3	6.3	5.3	8.0	6.3	4.7	5.0	6.0
PST-9PM	5.3	6.7	6.3	7.0	5.0	6.3	8.0	6.0	4.3	5.0	6.0
GOLFSTAR	4.0	6.7	6.0	7.0	5.0	7.7	8.0	5.3	4.0	5.0	5.9
PENNEAGLE	5.0	6.3	5.7	7.3	6.7	6.3	6.3	5.0	4.3	5.7	5.9
SEASIDE	5.3	5.7	4.0	6.7	8.0	7.0	6.3	4.7	4.3	5.3	5.7
LSD VALUE	1.5	1.6	0.9	1.0	1.9	1.6	0.5	1.1	1.2	1.4	0.4
C.V. (%)	16.9	14.4	8.2	8.6	18.6	14.1	4.3	12.4	12.3	15.2	12.7

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 18.

SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/												MEAN	
	IL1	IN1	KY1	MI1	MN1	MO2	MT1	NE1	QEL	SD1	UT1	WA4		WI1
IMPERIAL	7.0	5.7	7.0	8.0	7.0	7.0	8.0	9.0	5.0	8.3	4.7	7.7	9.0	7.2
CENTURY	6.7	7.3	6.0	8.0	7.0	7.0	7.7	8.7	5.0	8.7	5.0	7.7	8.3	7.2
L-93	7.0	6.0	8.7	7.3	6.7	7.0	7.7	8.3	5.0	7.3	4.3	7.0	9.0	7.0
BACKSPIN	6.3	6.7	8.7	6.7	7.0	7.3	7.0	8.3	5.0	7.7	4.3	7.3	8.3	7.0
SR 1119	6.7	5.7	7.7	7.7	6.7	7.3	7.7	8.3	5.0	8.0	4.3	7.3	8.3	7.0
GRAND PRIX	6.0	6.3	8.3	7.3	7.0	7.3	6.7	7.0	5.0	7.3	5.7	7.0	8.7	6.9
SRX 1120	6.0	6.0	7.0	7.7	7.0	7.7	7.3	8.7	4.7	7.7	4.3	6.7	8.7	6.9
SEASIDE II	7.0	5.3	6.7	8.0	6.7	7.3	8.0	7.0	5.0	6.7	4.7	7.0	8.7	6.8
TRUELINE	6.3	5.7	7.7	7.7	6.3	7.3	7.3	9.0	5.0	7.3	3.7	6.3	8.3	6.8
PENN G-6	6.7	4.3	7.3	6.7	6.3	7.3	7.3	7.3	5.0	8.0	4.7	7.0	9.0	6.7
PROVIDENCE	6.7	5.0	5.3	6.0	6.3	8.0	7.7	8.7	4.7	7.7	4.7	7.0	8.3	6.6
SRX 1BPAA	6.7	5.7	7.3	5.3	7.0	7.7	7.0	8.0	5.0	7.0	3.3	7.0	8.3	6.6
PST-0VN	6.0	5.3	7.3	6.0	6.3	7.7	7.3	7.3	5.0	7.3	4.0	6.7	8.7	6.5
ISI AT-5	6.3	5.0	9.0	6.0	6.7	8.0	6.3	8.0	4.7	8.0	1.0	7.0	8.3	6.5
PRINCEVILLE	5.7	4.0	6.7	6.0	6.7	7.0	7.0	9.0	4.7	7.3	4.7	6.3	8.7	6.4
SRX 7MOBB	6.3	5.7	7.3	5.3	6.0	7.7	6.3	7.7	4.7	8.3	1.3	7.7	8.7	6.4
PENNCROSS	5.3	4.0	6.3	5.0	6.3	7.3	8.0	7.0	5.0	8.3	4.3	7.0	8.7	6.4
SRX 7MODD	6.3	6.0	7.0	6.0	6.0	7.3	7.3	7.3	5.0	7.7	1.3	6.0	8.0	6.3
PENNEAGLE	5.7	4.3	7.0	6.0	6.0	7.0	7.3	7.0	5.0	6.7	4.0	6.3	8.3	6.2
ABT-COL-2	6.3	4.7	7.0	6.3	6.3	6.7	7.0	8.3	4.7	7.7	1.0	6.7	7.3	6.2
SR 7100	5.0	5.0	8.3	5.0	6.0	7.7	7.0	7.7	4.7	8.0	1.7	6.3	7.7	6.2
RADIANCE (PST-9HG)	6.0	5.3	8.7	5.0	5.7	7.0	6.0	7.0	4.7	7.7	1.0	6.0	8.0	6.0
GOLFSTAR	6.0	5.3	6.3	4.7	6.0	6.7	6.7	7.7	5.0	7.0	1.3	5.3	7.7	5.8
PST-9PM	6.0	5.3	6.3	5.0	6.3	7.3	6.7	6.7	4.0	7.0	1.0	6.3	7.7	5.8
TIGER	5.7	3.7	6.3	5.0	5.7	6.7	7.7	6.7	4.7	7.3	1.3	6.7	8.0	5.8
SEASIDE	4.0	3.0	5.0	4.7	5.0	6.7	8.0	7.0	5.0	5.3	3.0	5.0	8.0	5.4
LSD VALUE	1.1	1.8	1.3	1.6	0.8	0.9	1.1	1.4	0.5	1.3	1.3	1.0	0.9	0.3
C.V. (%)	11.1	21.0	11.3	15.7	7.9	8.1	9.5	11.3	7.0	10.5	24.8	9.2	6.8	11.5

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 19.

FALL DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/										
	IL1	IN1	KY1	MN1	MO1	MO2	MT1	NE1	WA4	WI1	MEAN
SRX 7MODD	7.3	5.0	9.0	7.0	9.0	8.7	8.3	8.7	6.7	5.3	7.5
ISI AT-5	6.7	4.3	9.0	6.7	9.0	9.0	7.7	8.7	6.3	6.3	7.4
L-93	6.7	5.0	8.0	7.0	8.7	8.3	8.3	9.0	6.7	5.7	7.3
CENTURY	7.0	6.3	5.0	6.7	8.7	8.3	9.0	9.0	7.0	5.7	7.3
SRX 7MOBB	7.3	4.7	9.0	6.7	8.3	8.3	7.7	9.0	6.3	5.0	7.2
TRUELINE	7.0	4.0	7.3	6.7	9.0	8.7	8.3	9.0	6.3	6.0	7.2
SEASIDE II	7.0	4.3	6.0	6.7	9.0	9.0	8.7	8.0	6.7	6.7	7.2
ABT-COL-2	6.7	5.3	9.0	6.3	8.7	8.3	8.3	8.7	5.3	5.0	7.2
PENN G-6	6.7	4.7	7.0	6.7	9.0	8.7	8.3	8.7	6.0	6.0	7.2
BACKSPIN	7.0	5.7	6.7	6.7	8.7	8.3	8.0	9.0	6.3	5.0	7.1
SR 7100	6.0	6.0	9.0	6.0	8.7	8.7	8.0	9.0	5.3	4.3	7.1
RADIANCE (PST-9HG)	6.7	5.0	7.3	6.7	8.7	9.0	7.7	8.3	5.7	5.7	7.1
PST-0VN	7.3	4.0	6.0	6.0	9.0	8.7	8.0	8.7	6.3	6.7	7.1
PRINCEVILLE	6.3	4.3	6.0	6.0	9.0	9.0	8.3	9.0	6.3	6.0	7.0
PROVIDENCE	7.3	4.3	4.3	7.0	9.0	9.0	9.0	8.7	6.7	5.0	7.0
SR 1119	7.0	4.3	6.0	6.0	8.7	8.7	9.0	9.0	6.7	5.0	7.0
GRAND PRIX	6.7	4.7	6.3	6.7	8.7	8.7	8.0	7.7	7.0	5.7	7.0
SRX 1120	7.0	3.3	6.0	6.3	8.7	9.0	8.3	9.0	6.0	5.3	6.9
SRX 1BPAA	6.3	4.3	5.7	6.7	8.3	8.7	8.0	9.0	6.3	5.7	6.9
IMPERIAL	6.7	4.7	5.7	6.0	7.7	7.7	8.7	9.0	7.0	5.3	6.8
PST-9PM	6.7	5.0	8.0	6.0	8.0	8.0	8.0	7.7	5.3	5.0	6.8
TIGER	6.7	4.3	8.7	6.0	8.7	8.3	8.3	6.7	5.3	4.0	6.7
PENNCROSS	6.7	3.3	4.7	5.3	9.0	8.7	8.3	8.3	6.3	4.3	6.5
GOLFSTAR	6.3	4.0	7.0	5.7	8.7	8.0	8.0	7.7	5.3	3.7	6.4
PENNEAGLE	6.0	3.3	6.0	5.3	9.0	8.3	8.7	7.7	5.7	4.0	6.4
SEASIDE	5.0	2.3	5.0	5.7	8.3	8.0	8.7	8.0	4.7	4.7	6.0
LSD VALUE	0.9	1.4	1.0	1.0	1.0	1.2	1.1	1.1	1.0	1.2	0.3
C.V. (%)	8.1	19.5	9.5	10.0	7.1	9.1	8.0	7.8	10.1	14.4	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 20. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MI1	MO2	MEAN
BRINCEVILLE	90.0	81.7	85.8
FENNEAGLE	86.7	81.7	84.2
IMPERIAL	90.0	78.3	84.2
FENNCROSS	83.3	85.0	84.2
PST-9PM	86.3	81.7	84.0
TRUELINE	90.0	76.7	83.3
SR 1119	83.3	81.7	82.5
FENN G-6	83.3	80.0	81.7
PROVIDENCE	80.0	83.3	81.7
SRX 1120	80.0	83.3	81.7
L-93	86.3	76.0	81.2
SRX 1BPAA	80.0	81.7	80.8
PST-OVN	80.0	78.3	79.2
SEASIDE II	83.3	73.3	78.3
ABT-COL-2	80.0	75.7	77.8
SRX 7MODD	73.3	81.7	77.5
SEASIDE	79.7	75.0	77.3
RADIANCE (PST-9HG)	73.3	80.0	76.7
SR 7100	70.0	81.7	75.8
CENTURY	73.3	78.3	75.8
ISI AT-5	66.7	83.3	75.0
SRX 7MOBB	70.0	80.0	75.0
BACKSPIN	70.0	78.3	74.2
GRAND PRIX	73.3	75.0	74.2
TIGER	66.7	80.0	73.3
GOLFSTAR	53.3	78.3	65.8
LSD VALUE	19.2	8.8	10.6
C.V. (%)	15.3	6.8	11.8

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 21. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MN1	MO2	UT1	MEAN
GRAND PRIX	90.7	86.7	93.3	90.2
BACKSPIN	91.7	90.0	85.0	88.9
PRINCEVILLE	91.7	90.0	85.0	88.9
PENNCROSS	83.3	90.0	91.7	88.3
CENTURY	85.0	91.7	86.7	87.8
IMPERIAL	90.0	90.0	83.3	87.8
PENN G-6	92.3	86.7	83.0	87.3
PROVIDENCE	83.3	90.0	86.7	86.7
SR 1119	90.0	91.7	76.7	86.1
TRUELINE	90.0	91.7	76.7	86.1
L-93	86.7	88.3	83.3	86.1
SEASIDE II	90.0	85.0	83.3	86.1
PENNEAGLE	85.0	90.0	78.3	84.4
PST-0VN	88.3	90.0	71.7	83.3
SRX 1120	80.0	90.0	76.7	82.2
SRX 1BPAA	88.3	88.3	70.0	82.2
SEASIDE	76.7	91.7	75.0	81.1
PST-9PM	85.0	86.7	66.7	79.4
ABT-COL-2	86.7	86.7	65.0	79.4
TIGER	78.3	88.3	70.0	78.9
ISI AT-5	83.3	88.3	63.3	78.3
RADIANCE (PST-9HG)	76.7	90.0	66.7	77.8
SR 7100	86.7	88.3	58.3	77.8
SRX 7MOBB	78.3	88.3	65.0	77.2
SRX 7MODD	76.7	88.3	56.7	73.9
GOLFSTAR	73.3	88.3	58.3	73.3
LSD VALUE	10.4	7.5	26.3	9.8
C.V. (%)	7.6	5.2	21.8	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 22. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MO1	MO2	MEAN
PENNCROSS	99.0	99.0	99.0
PROVIDENCE	99.0	99.0	99.0
RADIANCE (PST-9HG)	99.0	99.0	99.0
CENTURY	99.0	98.7	98.8
TRUELINE	98.7	99.0	98.8
BACKSPIN	98.3	98.7	98.5
SR 7100	98.7	98.3	98.5
SRX 1120	98.7	98.0	98.3
PST-OVN	99.0	97.3	98.2
ABT-COL-2	98.3	97.7	98.0
PENNEAGLE	98.3	97.7	98.0
SEASIDE	98.3	97.7	98.0
PRINCEVILLE	97.7	97.7	97.7
L-93	99.0	95.7	97.3
SEASIDE II	97.0	97.0	97.0
SRX 1BPAA	97.0	97.0	97.0
SRX 7MODD	98.7	95.3	97.0
TIGER	96.0	97.7	96.8
SRX 7MOBB	97.3	96.3	96.8
ISI AT-5	97.0	96.3	96.7
PST-9PM	97.0	96.0	96.5
GOLFSTAR	97.7	94.7	96.2
PENN G-6	96.3	96.0	96.2
SR 1119	95.0	96.7	95.8
GRAND PRIX	95.0	94.0	94.5
IMPERIAL	89.3	91.0	90.2
LSD VALUE	4.2	5.4	3.4
C.V. (%)	2.7	3.4	3.1

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 23. FROST TOLERANCE RATINGS OF BENTGRASS CULTIVARS
 GROWN ON A FAIRWAY OR TEE 1/
 1999 DATA

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

NAME	MT1
BACKSPIN	6.0
CENTURY	6.0
GRAND PRIX	6.0
IMPERIAL	6.0
L-93	6.0
PENN G-6	6.0
PENNCROSS	6.0
PENNEAGLE	6.0
PRINCEVILLE	6.0
PROVIDENCE	6.0
PST-0VN	6.0
SEASIDE	6.0
SEASIDE II	6.0
SR 1119	6.0
SRX 1120	6.0
SRX 1BPAA	6.0
TRUELINE	6.0
SRX 7MODD	5.3
ISI AT-5	4.7
SRX 7MOBB	4.7
PST-9PM	4.3
TIGER	4.3
ABT-COL-2	4.0
GOLFSTAR	4.0
RADIANCE (PST-9HG)	4.0
SR 7100	4.0
LSD VALUE	0.7
C.V. (%)	7.8

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 24. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999 DATA

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

NAME	KY1	NJ1	MEAN
RADIANCE (PST-9HG)	7.7	6.3	7.0
SRX 7MODD	7.7	5.7	6.7
PST-9PM	8.0	5.3	6.7
PST-0VN	7.7	5.3	6.5
SRX 7MOBB	8.0	5.0	6.5
SRX 1BPAA	6.7	5.7	6.2
ISI AT-5	7.0	5.3	6.2
ABT-COL-2	6.3	5.3	5.8
SR 7100	8.0	3.7	5.8
GOLFSTAR	8.0	3.3	5.7
SRX 1120	6.3	4.3	5.3
TIGER	8.0	2.3	5.2
IMPERIAL	6.7	3.3	5.0
PRINCEVILLE	6.0	4.0	5.0
SR 1119	6.0	4.0	5.0
TRUELINE	6.0	4.0	5.0
BACKSPIN	6.0	3.3	4.7
L-93	6.7	2.7	4.7
PENNCROSS	6.0	3.3	4.7
CENTURY	6.0	3.0	4.5
PENNEAGLE	6.0	3.0	4.5
GRAND PRIX	6.0	2.7	4.3
PENN G-6	6.3	2.3	4.3
SEASIDE	5.0	3.7	4.3
PROVIDENCE	6.0	2.0	4.0
SEASIDE II	5.3	2.3	3.8
LSD VALUE	0.6	1.5	0.8
C.V. (%)	5.4	24.3	13.6

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 25. MICRODOCHIUM PATCH RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999 DATA

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

NAME	WA4
SRX 7MOBB	4.7
SRX 7MODD	4.0
TIGER	4.0
ISI AT-5	3.7
ABT-COL-2	3.3
PST-0VN	3.3
SEASIDE II	3.3
PST-9PM	3.0
SRX 1BPAA	3.0
GOLFSTAR	2.7
GRAND PRIX	2.7
IMPERIAL	2.7
L-93	2.7
PENNCROSS	2.7
SRX 1120	2.7
CENTURY	2.3
PROVIDENCE	2.3
SR 1119	2.3
TRUELINE	2.3
PENN G-6	2.0
PRINCEVILLE	2.0
RADIANCE (PST-9HG)	2.0
SR 7100	2.0
BACKSPIN	1.7
PENNEAGLE	1.7
SEASIDE	1.3
LSD VALUE	1.5
C.V. (%)	35.5

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 26. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999 DATA

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

NAME	KS1	PA1	VA1	WI1	MEAN
RADIANCE (PST-9HG)	6.3	8.0	7.7	3.0	6.3
SRX 7MOBB	6.7	7.7	7.3	3.0	6.2
PST-9PM	6.3	8.3	8.0	1.7	6.1
ABT-COL-2	5.7	8.0	7.0	3.3	6.0
SR 7100	6.3	8.0	7.7	2.0	6.0
GOLFSTAR	7.3	8.7	7.0	0.7	5.9
SRX 7MODD	7.0	8.0	6.7	1.7	5.8
L-93	7.7	6.7	7.0	1.7	5.8
ISI AT-5	6.0	8.3	7.7	1.0	5.8
SEASIDE II	7.3	7.3	7.3	1.0	5.8
SR 1119	5.0	7.0	7.0	3.7	5.7
SEASIDE	6.0	7.0	7.3	2.3	5.7
PST-0VN	7.0	7.0	7.3	1.0	5.6
TIGER	6.7	7.7	7.0	0.7	5.5
PRINCEVILLE	5.0	5.3	6.7	5.0	5.5
SRX 1BPAA	6.3	7.0	7.3	1.3	5.5
PENN G-6	6.0	6.7	6.3	2.3	5.3
PENNEAGLE	5.7	6.7	6.7	2.3	5.3
TRUELINE	6.7	7.0	6.0	1.3	5.3
IMPERIAL	4.0	5.3	6.7	4.7	5.2
GRAND PRIX	6.0	6.3	6.3	2.0	5.2
CENTURY	4.7	5.3	4.3	5.7	5.0
PENNCROSS	5.7	4.3	7.0	2.7	4.9
SRX 1120	5.0	5.3	6.3	2.7	4.8
PROVIDENCE	4.0	6.3	5.0	3.7	4.8
BACKSPIN	3.7	4.7	4.7	3.0	4.0
LSD VALUE	2.5	1.1	1.3	2.2	0.9
C.V. (%)	26.5	9.8	12.2	56.2	21.3

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

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

NAME	PA1
PENNCROSS	8.3
SRX 1BPAA	8.3
IMPERIAL	8.0
PROVIDENCE	8.0
PST-0VN	8.0
TRUELINE	8.0
BACKSPIN	7.7
CENTURY	7.7
GRAND PRIX	7.7
PENN G-6	7.7
SR 1119	7.7
SRX 1120	7.7
L-93	7.3
SEASIDE II	7.3
PENNEAGLE	7.0
PRINCEVILLE	7.0
GOLFSTAR	6.7
ISI AT-5	6.3
SEASIDE	6.3
RADIANCE (PST-9HG)	5.7
SRX 7MOBB	5.7
TIGER	5.7
PST-9PM	5.3
SR 7100	5.3
SRX 7MODD	5.3
ABT-COL-2	4.7
LSD VALUE	1.4
C.V. (%)	12.2

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 28. PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE 2/
1999 DATA

NAME	IA1	IL1	KS1	MA1	VA1	WI1	MEAN
CENTURY	78.3	93.3	88.3	58.3	70.0	73.3	76.9
PENN G-6	70.0	90.0	90.0	58.3	70.0	77.3	75.9
GRAND PRIX	66.7	93.3	88.3	55.0	56.7	80.0	73.3
PENNCROSS	65.0	95.0	91.7	58.3	56.7	73.3	73.3
PRINCEVILLE	63.3	81.7	88.3	60.0	63.3	83.3	73.3
TRUELINE	71.7	94.7	83.3	71.7	46.7	68.3	72.7
SEASIDE	58.3	73.3	93.3	60.0	80.0	70.0	72.5
IMPERIAL	68.3	95.0	86.7	55.0	60.0	68.3	72.2
PENNEAGLE	76.7	91.7	85.0	58.3	63.3	55.0	71.7
BACKSPIN	78.3	86.3	85.0	58.3	53.3	68.3	71.6
L-93	58.3	89.7	86.7	58.3	53.3	74.0	70.1
PROVIDENCE	70.0	88.3	86.7	60.0	50.0	63.3	69.7
SR 1119	73.3	91.7	80.0	43.3	70.0	60.0	69.7
SEASIDE II	66.7	85.0	88.3	46.7	60.0	65.0	68.6
TIGER	63.3	83.3	78.3	58.3	60.0	61.7	67.5
PST-0VN	63.3	85.0	90.0	56.7	50.0	58.3	67.2
SRX 1BPAA	61.7	88.3	83.3	40.0	56.7	58.3	64.7
SRX 1120	58.3	90.0	86.7	38.3	60.0	51.7	64.2
ISI AT-5	50.0	81.7	81.7	50.0	56.7	56.7	62.8
RADIANCE (PST-9HG)	65.0	76.7	73.3	38.3	53.3	58.3	60.8
SRX 7MOBB	55.0	80.0	83.3	51.7	50.0	41.7	60.3
GOLFSTAR	58.3	71.7	58.3	53.3	56.7	61.7	60.0
ABT-COL-2	56.7	81.7	75.0	41.7	53.3	41.7	58.3
SR 7100	50.0	70.0	60.0	53.3	60.0	50.0	57.2
SRX 7MODD	45.0	81.7	71.7	40.0	50.0	35.0	53.9
PST-9PM	53.3	71.7	70.0	33.3	50.0	40.0	53.1
LSD VALUE	19.9	11.2	16.8	24.0	13.4	16.4	7.1
C.V. (%)	19.5	8.2	12.7	28.6	14.3	16.7	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 29. ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE AT MEAD, NE 1/
1998 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE 2/

NAME	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
TRUELINE	5.0	8.3	9.0	7.4
L-93	5.3	7.7	9.0	7.3
PRINCEVILLE	5.0	7.7	9.0	7.2
SEASIDE	5.0	7.3	9.0	7.1
BACKSPIN	4.7	7.3	8.7	6.9
CENTURY	4.3	7.7	8.7	6.9
IMPERIAL	4.3	7.3	9.0	6.9
SR 1119	4.7	7.0	9.0	6.9
SRX 1120	4.3	7.3	8.7	6.8
PENN G-6	3.7	6.7	8.7	6.3
GOLFSTAR	3.7	6.7	8.3	6.2
GRAND PRIX	3.7	6.7	8.3	6.2
SRX 1BPAA	3.3	6.3	8.7	6.1
ISI AT-5	3.7	6.3	8.0	6.0
PROVIDENCE	3.0	6.3	8.7	6.0
PENNCROSS	3.7	6.0	8.0	5.9
SR 7100	3.3	6.0	8.3	5.9
ABT-COL-2	3.3	6.0	8.0	5.8
PST-0VN	3.3	5.7	8.3	5.8
PENNEAGLE	3.3	5.7	8.0	5.7
RADIANCE (PST-9HG)	2.7	6.0	8.3	5.7
SEASIDE II	3.3	5.7	8.0	5.7
SRX 7MOBB	3.0	5.7	7.7	5.4
PST-9PM	2.3	5.3	8.0	5.2
SRX 7MODD	2.7	5.3	7.7	5.2
TIGER	2.7	5.7	7.3	5.2
LSD VALUE	3.7	1.9	2.3	2.3
C.V. (%)	34.8	14.5	9.4	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 30. ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE AT LOGAN, UT 1/
1998-99 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE 2/

NAME	OCTOBER 98	MAY 99	MEAN
GRAND PRIX	5.7	8.3	7.0
PRINCEVILLE	6.7	7.3	7.0
PENNCROSS	5.7	8.0	6.8
SEASIDE II	6.0	7.7	6.8
BACKSPIN	6.0	7.3	6.7
PROVIDENCE	6.0	7.0	6.5
SEASIDE	6.3	6.3	6.3
IMPERIAL	5.7	6.7	6.2
CENTURY	5.0	6.7	5.8
PENN G-6	5.0	6.7	5.8
L-93	4.7	6.7	5.7
TRUELINE	4.7	6.7	5.7
PENNEAGLE	5.0	5.7	5.3
SR 1119	4.7	5.7	5.2
ISI AT-5	4.3	5.7	5.0
TIGER	4.3	5.7	5.0
SRX 1120	3.7	6.0	4.8
SRX 1BPAA	4.0	5.7	4.8
SRX 7MOBB	4.0	5.7	4.8
ABT-COL-2	4.0	5.3	4.7
RADIANCE (PST-9HG)	3.7	5.7	4.7
PST-9PM	3.7	5.7	4.7
GOLFSTAR	3.7	5.0	4.3
PST-0VN	3.3	4.7	4.0
SR 7100	3.3	4.7	4.0
SRX 7MODD	3.3	4.3	3.8
LSD VALUE	3.1	2.7	2.8
C.V. (%)	28.4	20.4	23.2

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 31. PERCENT DOLLAR SPOT (JUNE) RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A FAIRWAY OR TEE 2/
 1999 DATA

NAME	KY1
CENTURY	20.3
PROVIDENCE	19.0
IMPERIAL	16.0
BACKSPIN	13.0
PRINCEVILLE	11.0
GRAND PRIX	10.0
SR 1119	8.7
PENNEAGLE	7.3
PENN G-6	4.7
SRX 1120	4.7
PENNCROSS	4.0
SEASIDE	3.3
SRX 1BPAA	2.7
SRX 7MOBB	2.3
RADIANCE (PST-9HG)	2.0
SEASIDE II	1.7
TIGER	1.7
TRUELINE	1.7
ABT-COL-2	1.0
ISI AT-5	0.7
SR 7100	0.7
PST-0VN	0.3
PST-9PM	0.3
GOLFSTAR	0.0
L-93	0.0
SRX 7MODD	0.0
LSD VALUE	4.4
C.V. (%)	52.4

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 32. PERCENT PYTHIUM BLIGHT RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A FAIRWAY OR TEE 2/
 1999 DATA

NAME	RI2
TIGER	91.7
ABT-COL-2	90.0
SR 7100	90.0
ISI AT-5	86.7
SRX 7MOBB	86.7
SRX 7MODD	83.3
RADIANCE (PST-9HG)	81.7
SEASIDE	80.0
PENN G-6	75.0
PENNCROSS	71.7
PRINCEVILLE	71.7
GOLFSTAR	63.3
PST-9PM	63.3
SEASIDE II	63.3
L-93	61.7
GRAND PRIX	58.3
TRUELINE	58.3
BACKSPIN	56.7
PROVIDENCE	56.7
IMPERIAL	55.0
PENNEAGLE	55.0
CENTURY	53.3
PST-0VN	51.7
SR 1119	51.7
SRX 1BPAA	35.0
SRX 1120	31.7
LSD VALUE	18.3
C.V. (%)	17.1

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 33. DOLLAR SPOT COUNTS OF BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE AT MANHATTAN, KS 2/
1999 DATA

NAME	JULY	AUGUST	SEPTEMBER	MEAN
CENTURY	18.3	4.7	4.7	9.2
SRX 1120	8.7	6.7	5.0	6.8
L-93	1.7	8.0	7.7	5.8
PENNCROSS	4.7	6.0	5.7	5.4
SEASIDE II	0.0	8.7	7.3	5.3
SRX 7MODD	0.0	9.0	7.0	5.3
TIGER	1.7	7.7	6.7	5.3
PST-0VN	0.7	8.0	7.0	5.2
GOLFSTAR	0.0	8.0	7.3	5.1
PENNEAGLE	1.7	7.7	5.7	5.0
PROVIDENCE	4.3	6.7	4.0	5.0
TRUELINE	0.7	7.7	6.7	5.0
ABT-COL-2	0.0	8.7	5.7	4.8
RADIANCE (PST-9HG)	0.0	8.0	6.3	4.8
SR 7100	0.0	8.0	6.3	4.8
SRX 1BPAA	0.0	8.0	6.3	4.8
SRX 7MOBB	0.0	7.7	6.7	4.8
PST-9PM	0.0	7.7	6.3	4.7
GRAND PRIX	0.0	7.7	6.0	4.6
PENN G-6	0.0	7.7	6.0	4.6
ISI AT-5	0.0	7.3	6.0	4.4
PRINCEVILLE	2.0	6.3	5.0	4.4
SEASIDE	0.0	6.7	6.0	4.2
BACKSPIN	3.0	5.7	3.7	4.1
SR 1119	0.7	6.7	5.0	4.1
IMPERIAL	0.0	5.3	4.0	3.1
LSD VALUE	9.1	1.6	3.2	2.7
C.V. (%)	243.8	13.0	23.7	25.7

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 34. PERCENT BROWN PATCH RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A FAIRWAY OR TEE AT MANHATTAN, KS 2/
 1999 DATA

NAME	JULY 1	JULY 27	MEAN
SRX 7MOBB	21.7	35.0	28.3
SRX 7MODD	21.7	30.0	25.8
ABT-COL-2	21.7	28.3	25.0
SR 7100	15.0	33.3	24.2
TIGER	16.7	31.7	24.2
ISI AT-5	13.3	30.0	21.7
RADIANCE (PST-9HG)	20.0	23.3	21.7
GOLFSTAR	10.0	28.3	19.2
PST-9PM	16.7	12.7	14.7
SEASIDE	6.7	11.7	9.2
PROVIDENCE	6.7	0.7	3.7
PST-0VN	2.3	2.3	2.3
SEASIDE II	2.7	0.7	1.7
SRX 1BPAA	3.3	0.0	1.7
PENNCROSS	0.0	3.0	1.5
PRINCEVILLE	1.7	1.3	1.5
CENTURY	1.0	1.3	1.2
GRAND PRIX	1.7	0.0	0.8
IMPERIAL	1.7	0.0	0.8
PENN G-6	0.0	1.7	0.8
SR 1119	0.7	0.7	0.7
BACKSPIN	1.0	0.0	0.5
PENNEAGLE	0.0	1.0	0.5
SRX 1120	0.7	0.0	0.3
L-93	0.0	0.0	0.0
TRUELINE	0.0	0.0	0.0
LSD VALUE	6.2	11.1	7.5
C.V. (%)	57.1	68.1	55.4

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 35. PERCENT BROWN PATCH RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A FAIRWAY OR TEE AT LEXINGTON, KY 2/
 1999 DATA

NAME	JUNE	JULY	MEAN
TIGER	75.0	34.3	54.7
PST-9PM	61.7	45.0	53.3
ABT-COL-2	78.3	15.7	47.0
RADIANCE (PST-9HG)	65.0	21.0	43.0
SR 7100	29.7	51.0	40.3
SRX 7MOBB	51.7	26.0	38.8
SRX 7MODD	46.7	28.3	37.5
SEASIDE	53.3	0.0	26.7
GOLFSTAR	24.0	22.3	23.2
ISI AT-5	14.7	23.0	18.8
PENNCROSS	15.0	6.3	10.7
PRINCEVILLE	15.0	1.0	8.0
TRUELINE	5.7	0.0	2.8
SEASIDE II	3.3	0.0	1.7
L-93	1.7	0.0	0.8
CENTURY	1.0	0.0	0.5
PENNEAGLE	1.0	0.0	0.5
BACKSPIN	0.0	0.0	0.0
GRAND PRIX	0.0	0.0	0.0
IMPERIAL	0.0	0.0	0.0
PENN G-6	0.0	0.0	0.0
PROVIDENCE	0.0	0.0	0.0
PST-0VN	0.0	0.0	0.0
SR 1119	0.0	0.0	0.0
SRX 1120	0.0	0.0	0.0
SRX 1BPAA	0.0	0.0	0.0
LSD VALUE	10.6	7.8	6.2
C.V. (%)	34.7	50.3	27.1

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.