

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 United States Golf Association (USGA) Green Section, one member from the Golf Course Superintendents Assoc. of America (GCSAA), one member for the Turfgrass Producers International (TPI), one member from the Turfgrass Breeders Association and an executive director. 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.

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A Guide to NTEP Turfgrass Ratings

Introduction

The quality and scientific merit of NTEP data is extremely important. However, the evaluation of turfgrass species and cultivars is a difficult and complex issue. Furthermore, turfgrass evaluation is generally a subjective process based on visual estimates of factors, like genetic color, stand density, leaf texture, uniformity and quality. These factors can not be measured in the same way as other agricultural crops. Turfgrass quality is not a measure of yield or nutritive value. Turfgrass quality is a measure of aesthetics (i.e. density, uniformity, texture, smoothness, growth habit and color), and functional use. The most common way of assessing turfgrass quality is a visual rating system that is based on the turfgrass evaluator's judgement.

General Considerations

Most visual ratings collected on NTEP trials are based on a 1 to 9 rating scale. One is the poorest or lowest and 9 is the best or highest rating. However, a few characteristics, such as winter kill or percent living ground cover, are rated on a percentage basis, again by using the evaluator's judgement. Most disease ratings found in NTEP reports will use the 1-9 scale, 9=no disease except where the evaluator made a judgement of the percentage of disease in each plot. Percent disease data will be found in separate tables and will normally not be included with disease data using the 1-9 scale.

Turfgrass Quality

Turfgrass Quality is based on 9 being outstanding or ideal turf and 1 being poorest or dead. A rating of 6 or above is generally considered acceptable. A quality rating value of 9 is reserved for a perfect or ideal grass, but it also can reflect an absolutely outstanding treatment plot. The NTEP requires quality ratings on a monthly basis. Quality ratings take into account the aesthetic and functional aspects of the turf. Quality ratings are not based on color alone, but on a combination of color, density, uniformity, texture, and disease or environmental stress.

Turfgrass quality ratings are grouped and presented by region, management level, a particular stress (shade, traffic, etc.) and in some cases, by individual location (starting with 1999-2002 data, data from each location will be posted separately as well on the NTEP web site, <http://www.ntep.org>). Also available now is a summary table (Appendix) in the back of this report. This summary table includes various statistical measures not previously compiled for NTEP reports. For an explanation of this table and these changes, please go to the NTEP web site at <http://www.ntep.org/pdf/grandmean.mem.pdf>.

Other Ratings

More detailed information on the ratings of specific characteristics can be found on the NTEP web site at <http://www.ntep.org/reports/ratings.htm>.

LOCATIONS SUBMITTING DATA FOR 1999-2002

<u>State</u>	<u>Location</u>	<u>Code</u>
Colorado	Ft. Collins	CO1
Illinois	Urbana	IL1
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
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
Quebec	Quebec City	QE1
Rhode Island	Kingston (With Fungicides)	RI1
Rhode Island	Kingston (Without Fungicides)	RI2
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 / Jacklin Seed
6	ABT-Col-2	colonial	ProSeeds Marketing, Inc.
7	Century	creeping	ProSeeds Marketing, Inc.
8	Imperial	creeping	ProSeeds Marketing, Inc.
9	Seaside	creeping	Standard Entry
10	Tiger	colonial	DLF International Seeds, Inc.
11	Tiger II (CIS-At-5)	colonial	DLF International Seeds, Inc.
12	SRX 7MOBB	colonial	Seed Research of Oregon
13	SR 7150 (SRX 7MODD)	colonial	Seed Research of Oregon
14	SR 7100	colonial	Standard Entry
15	Providence	creeping	Standard Entry
16	SRX 1BPAA	creeping	Seed Research of Oregon
17	Brighton (SRX 1120)	creeping	Seed Research of Oregon
18	SR 1119	creeping	Seed Research of Oregon
19	Golfstar	idaho	Simplot / Jacklin Seed
20	Glory (PST-9HG)	colonial	Pure-Seed Testing, Inc.
21	PST-9PM	colonial	Pure-Seed Testing, Inc.
22	Pennlinks II (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.

1999-2002 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
C01	-	-	-	-	-	-	-	-
IA1	SILTY CLAY LOAM	7.1-7.5	0-60	241-375	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
IN1	SILT LOAM AND SILT	7.1-7.5	151-270	241-375	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
KS1	SILT LOAM AND SILT	6.6-7.0	151-270	241-375	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
KY1	SILT LOAM AND SILT	6.1-6.5	61-150	241-375	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
MA1	LOAM	6.1-6.5	151-270	241-375	5.1-6.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
MI1	SANDY LOAM	7.1-7.5	61-150	151-240	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
MN1	SILTY CLAY LOAM	7.1-7.5	151-270	151-240	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
M01	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
M02	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
MT1	SILT LOAM AND SILT	7.1-7.5	61-150	501+	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NE1	SILTY CLAY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NJ1	SANDY LOAM	6.1-6.5	151-270	151-240	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NY1	SANDY LOAM	6.1-6.5	151-270	241-375	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
PA1	LOAM	6.6-7.0	61-150	0-150	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
QE1	-	-	-	-	-	-	-	-
RI1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
RI2	SILT LOAM AND SILT	5.6-6.0	61-150	151-240	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
SD1	SILTY CLAY LOAM	7.6-8.5	0-60	241-375	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
UT1	SILT LOAM AND SILT	7.6-8.5	0-60	0-150	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
VA1	SANDY CLAY LOAM	5.6-6.0	0-60	0-150	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
WA1	SILT LOAM AND SILT	5.6-6.0	271-450	501+	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
WA3	SILT LOAM AND SILT	5.6-6.0	61-150	151-240	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
WA4	SILT LOAM AND SILT	5.6-6.0	61-150	151-240	4.1-5.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
WI1	SILTY CLAY LOAMS	7.1-7.5	61-150	151-240	1.1-2.0	FULL SUN	0.0-0.5	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 1999-2002

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
CO1				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	
IN1				X	X	X	X	X	X	X	X		X	X	
KS1				X	X	X	X	X	X				X		X
KY1			X	X	X	X	X	X	X	X			X	X	X
MA1				X	X	X	X	X	X	X			X	X	
MI1				X	X	X	X	X	X	X	X		X	X	X
MN1				X	X	X	X	X	X	X			X	X	X
MO1				X	X	X	X	X	X	X	X				
MO2				X	X	X	X	X	X	X	X		X	X	X
MT1				X	X	X	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		X	X	X
NY1				X	X	X	X	X	X	X	X		X	X	X
PA1					X	X	X	X	X	X			X	X	X
QE1					X	X	X	X	X	X			X	X	X
RI1				X	X	X	X	X	X	X	X		X	X	
RI2				X	X	X	X	X	X	X	X		X	X	X
SD1				X	X	X	X	X	X	X	X		X	X	
UT1				X	X	X	X	X	X	X	X		X		
VA1		X	X	X	X	X	X	X	X	X	X	X	X	X	
WA1				X	X	X	X	X	X	X			X	X	
WA3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
WA4	X	X	X	X	X	X	X	X	X	X	X	X	X		
WI1				X	X	X	X	X	X	X	X		X	X	

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1999-2002

LOCATION	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	FROST TOLERANCE	WINTER COLOR	PERCENT WINTER KILL	DROUGHT TOLERANCE DORMANCY	DROUGHT TOLERANCE RECOVERY	GRAY SNOW MOLD	PINK SNOW MOLD	DOLLAR SPOT	BROWN PATCH WARM TEMP.
CO1		X	X	X												
IA1		X														
IL1		X	X	X											X	
IN1	X	X	X	X		X									X	
KS1															X	
KY1	X	X	X	X	X	X	X		X							
MA1	X															
MI1	X	X	X	X	X	X	X						X		X	
MN1	X		X	X		X								X		X
MO1				X			X					X				
MO2	X	X	X	X	X	X	X									
MT1	X	X	X	X				X								
NE1		X	X	X												
NJ1	X		X						X						X	X
NY1	X		X													
PA1	X	X	X	X											X	X
QE1	X	X	X	X												
RI1															X	
RI2	X															
SD1	X	X	X	X	X					X			X			
UT1			X	X		X								X		
VA1		X	X	X					X		X				X	X
WA1	X	X	X	X										X		
WA3		X	X	X												
WA4	X	X	X	X										X		
WI1		X	X	X									X		X	

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1999-2002

LOCATION	POA ANNUA	PERCENT POA ANNUA	PERCENT DOLLAR SPOT	GRAY SNOW MOLD	SNOW MOLD COMPLEX	SCALPING RATINGS	COLOR RATINGS FEBRUARY	PERCENT ESTABLISH- MENT	ESTABLISH- MENT SEP. 98	ESTABLISH- MENT OCT. 98	ESTABLISH- MENT MAY 99	PERCENT PYTHIUM BLIGHT
CO1								X				
IA1								X				
IL1								X				
IN1		X										
KS1								X				
KY1		X	X									
MA1								X				
MI1				X								
MN1												
MO1												
MO2												
MT1												
NE1									X	X		
NJ1												
NY1	X		X									
PA1												
QE1												
RI1												
RI2												X
SD1						X				X	X	
UT1					X							
VA1							X	X				
WA1												
WA3												
WA4												
WI1				X	X			X				

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1999-2002

LOCATION	DOLLAR	DOLLAR	DOLLAR	DOLLAR	DOLLAR	DOLLAR	DOLLAR	COUNTS OF	DOLLAR	SPOT	PERCENT	PERCENT	TAKE-ALL PATCH			BROWN PATCH RATINGS				
	SPOT	SPOT	SPOT	SPOT	SPOT	SPOT	POA ANNUA						POA ANNUA	MAY	JUNE	JULY	MAY	JUNE	JULY	AUG.
	MARCH	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	DECEMBER	JULY	AUGUST	SEPTEMBER	JUNE	JULY								
CO1																				
IA1																				
IL1																				
IN1											X	X								
KS1								X	X	X										
KY1																	X	X	X	X
MA1																				
MI1																				
MN1																				
MO1																				
MO2																				
MT1																				
NE1																				
* NJ1																				
NY1		X			X															
PA1		X			X															
QE1																				
RI1																				
RI2																				
SD1																				
UT1																				
VA1	X		X	X		X	X													
WA1																				
WA3																				
WA4																				
WI1			X	X										X	X	X				

* MORE DOLLAR SPOT AND QUALITY DATA FOR NJ1 IN TABLE 39.

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A FAIRWAY OR TEE AT FOUR LOCATIONS
USING A 3/8 INCH MOWING HEIGHT 1/
1999-2002 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
* TIGER II (CIS AT-5)	6.3	5.9	6.5	6.3	6.4
* SR 7150 (SRX 7MODD)	6.3	4.9	6.5	6.3	6.3
SRX 1BPAA	6.5	5.6	5.7	6.6	6.2
* PENN G-6	6.4	5.3	5.7	6.4	6.1
* PENNLINKS II (PST-OVN)	6.6	5.4	5.6	6.3	6.1
* IMPERIAL	6.5	7.1	5.2	6.4	6.1
SRX 7MOBB	6.2	5.7	6.1	6.1	6.1
* BRIGHTON (SRX 1120)	6.4	5.9	5.4	6.5	6.1
* SR 1119	6.5	6.3	5.2	6.5	6.1
* TRUELINE	6.5	6.5	5.2	6.5	6.0
* GRAND PRIX	6.5	4.8	5.5	6.4	6.0
ABT-COL-2	6.3	5.8	5.7	5.9	6.0
* SEASIDE II	6.4	4.6	5.2	6.4	5.9
* CENTURY	6.4	6.9	4.5	6.5	5.9
* PRINCEVILLE	6.4	7.1	4.6	6.3	5.8
* GLORY (PST-9HG)	6.1	3.9	5.6	6.0	5.8
* BACKSPIN	6.2	6.2	4.7	6.3	5.8
* SR 7100	6.2	5.2	5.2	5.9	5.7
* PROVIDENCE	6.4	5.9	4.5	6.2	5.7
PST-9PM	6.3	4.2	5.0	6.0	5.7
* TIGER	6.1	3.6	5.1	5.8	5.6
* PENNCROSS	6.5	4.9	4.2	6.1	5.5
* PENNEAGLE	6.3	4.4	3.9	6.2	5.4
* GOLFSTAR	6.0	5.0	4.3	6.0	5.4
* SEASIDE	5.9	4.3	2.3	5.5	4.6
LSD VALUE	0.5	1.6	0.9	0.5	0.4
C.V. (%)	5.4	18.3	11.0	5.1	8.1

* COMMERCIALY AVAILABLE IN THE USA IN 2003.

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 GROWN ON
A FAIRWAY OR TEE AT ELEVEN LOCATIONS
USING A 1/2 INCH MOWING HEIGHT 1/
1999-2002 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											MEAN
	CO1	IA1	IL1	IN1	MN1	MT1	PA1	QE1	VA1	WA1	WI1	
L-93	6.4	6.6	5.8	5.4	6.6	6.8	7.6	5.7	5.3	6.8	4.9	6.2
SRX 1BPAA	6.2	6.3	6.0	4.9	6.8	6.4	7.6	5.8	5.2	7.0	5.1	6.1
PENN G-6	5.6	6.7	5.8	5.6	6.6	6.4	7.2	5.7	5.5	6.5	5.0	6.1
TRUELINE	5.7	6.3	5.9	5.6	6.6	6.5	7.3	5.8	5.0	6.7	4.8	6.0
SR 1119	5.7	6.4	5.8	4.8	6.7	6.6	7.6	5.6	5.2	6.7	5.0	6.0
PENNLINKS II (PST-OVN)	6.6	6.6	6.1	5.0	6.3	6.2	6.9	5.9	5.0	7.0	5.0	6.0
GRAND PRIX	5.8	6.8	5.5	5.8	6.5	6.2	7.2	5.6	4.7	6.9	5.0	6.0
IMPERIAL	6.1	7.2	5.5	5.4	6.6	6.5	7.3	5.7	4.8	6.7	4.6	6.0
BACKSPIN	6.1	6.9	5.5	5.8	6.5	6.8	6.8	5.6	4.7	6.5	4.7	6.0
SEASIDE II	6.1	6.8	5.7	5.5	6.1	6.2	7.3	5.7	5.2	6.4	4.8	6.0
CENTURY	5.9	6.9	5.0	6.1	6.4	6.7	6.7	5.7	4.6	6.7	4.5	5.9
PROVIDENCE	5.8	6.5	5.3	5.6	6.5	6.6	6.9	5.6	4.3	6.4	4.8	5.8
BRIGHTON (SRX 1120)	6.1	6.8	5.7	4.6	6.2	6.3	6.9	5.8	4.8	6.3	4.7	5.8
PRINCEVILLE	5.9	5.7	5.6	5.3	6.4	6.4	6.5	5.8	4.9	6.4	5.0	5.8
PENNCROSS	5.6	5.9	5.7	4.9	5.7	6.4	6.2	5.8	5.1	6.5	4.7	5.7
PENNEAGLE	5.4	5.8	6.0	4.5	6.0	6.4	6.0	5.6	5.2	6.1	4.7	5.6
TIGER II (CIS AT-5)	5.0	4.5	6.0	3.3	6.7	6.0	7.5	6.1	5.1	6.0	5.2	5.6
GLORY (PST-9HG)	4.7	5.0	6.0	3.4	5.7	5.9	6.7	6.2	4.9	5.9	5.2	5.5
SR 7150 (SRX 7MODD)	4.9	4.2	5.5	3.2	5.8	6.0	6.5	6.2	4.9	6.2	4.9	5.3
ABT-COL-2	5.3	4.4	5.7	3.8	6.2	5.8	6.0	6.1	4.6	5.4	4.8	5.2
SR 7100	3.9	4.5	5.3	3.4	6.4	6.0	6.0	6.3	4.9	5.3	4.8	5.2
SRX 7MOBB	5.0	4.5	5.3	2.8	5.9	5.7	6.4	6.0	4.7	5.4	4.8	5.1
TIGER	5.1	4.6	5.4	3.3	6.0	5.6	5.6	6.2	4.3	5.6	4.6	5.1
PST-9PM	4.7	4.7	5.6	3.3	5.7	5.6	5.2	6.0	4.7	5.7	4.6	5.1
GOLFSTAR	4.1	4.4	5.5	2.8	5.1	5.5	5.7	6.2	3.9	5.7	4.0	4.8
SEASIDE	5.2	4.3	4.0	3.7	4.7	5.5	3.6	5.4	3.9	4.5	4.0	4.3
LSD VALUE	0.3	0.8	0.6	1.4	0.7	0.7	0.7	0.5	0.6	0.7	0.6	0.2
C.V. (%)	3.8	8.1	7.0	18.6	6.7	7.1	6.6	5.5	8.4	6.8	7.5	8.4

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 3. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A FAIRWAY OR TEE AT EIGHT LOCATIONS
USING A 5/8 INCH MOWING HEIGHT 1/
1999-2002 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/									
NAME	KS1	KY1	MA1	MO1	RI1	SD1	UT1	WA3	MEAN
GLORY (PST-9HG)	5.2	6.5	5.5	6.5	7.5	6.2	3.9	6.0	5.8
TIGER II (CIS AT-5)	5.1	6.8	5.5	6.1	7.5	6.1	3.5	6.4	5.7
L-93	6.2	6.8	6.1	5.9	7.4	5.5	4.8	5.7	5.7
GRAND PRIX	5.7	6.1	6.4	5.5	7.3	5.6	5.0	6.0	5.7
PENNCROSS	6.0	5.9	6.1	7.0	5.9	5.8	5.2	5.5	5.7
PRINCEVILLE	5.7	6.6	5.7	6.4	6.8	5.5	5.1	5.4	5.6
TRUELINE	5.8	6.8	6.0	6.4	7.2	5.6	4.2	5.6	5.6
PENN G-6	5.9	6.6	6.0	6.2	7.0	5.1	5.0	5.6	5.6
PENNLINKS II (PST-OVN)	6.3	6.6	6.2	6.4	7.5	5.2	4.6	5.5	5.6
SR 7150 (SRX 7MODD)	4.9	6.9	5.5	6.3	7.0	5.7	3.4	6.0	5.6
SRX 7MOBB	4.8	6.7	5.7	5.8	7.9	6.0	3.5	5.8	5.6
BRIGHTON (SRX 1120)	5.6	6.4	6.0	6.4	6.3	5.4	4.8	5.4	5.6
BACKSPIN	5.6	6.1	6.5	6.0	7.0	5.4	4.6	5.7	5.5
IMPERIAL	5.4	6.4	6.4	4.9	6.7	5.2	4.5	6.2	5.5
SRX 1BPAA	6.1	6.8	5.4	6.0	7.1	5.2	4.5	5.5	5.5
CENTURY	5.5	5.9	6.0	5.8	6.2	5.3	4.8	6.2	5.5
PST-9PM	4.8	6.6	5.4	6.1	8.4	5.9	3.7	5.5	5.5
SR 1119	5.4	6.4	6.0	5.7	7.3	5.3	4.4	5.8	5.5
PENNEAGLE	5.9	6.3	5.5	6.0	6.2	5.3	4.8	5.1	5.5
ABT-COL-2	4.9	6.1	5.5	5.9	8.6	5.8	3.2	5.8	5.4
SR 7100	4.2	6.1	5.6	6.1	5.2	6.2	3.6	6.0	5.4
TIGER	4.9	6.3	5.4	5.8	6.5	6.0	3.5	5.5	5.4
PROVIDENCE	5.3	6.0	5.7	6.3	6.8	4.8	4.8	5.6	5.3
SEASIDE II	6.1	6.1	6.0	5.9	7.6	4.7	4.3	5.3	5.3
GOLFSTAR	4.1	5.7	5.4	6.1	6.0	6.1	3.5	4.7	5.0
SEASIDE	5.1	4.9	5.6	5.9	4.9	5.4	3.8	4.3	4.8
LSD VALUE	0.8	0.5	0.8	1.0	1.0	0.7	1.0	0.6	0.3
C.V. (%)	9.5	4.6	8.7	10.1	8.8	7.9	14.1	7.1	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 4. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A FAIRWAY OR TEE AT THREE LOCATIONS
USING 1.0-2.0 LBS. OF NITROGEN/1000 SQ. FT./YEAR 1/
1999-2002 DATA

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

NAME	CO1	KY1	WI1	MEAN
SRX 1BPAA	6.2	6.8	5.1	5.9
TIGER II (CIS AT-5)	5.0	6.8	5.2	5.9
L-93	6.4	6.8	4.9	5.9
PENNLINKS II (PST-OVN)	6.6	6.6	5.0	5.8
PRINCEVILLE	5.9	6.6	5.0	5.8
TRUELINE	5.7	6.8	4.8	5.7
SR 7150 (SRX 7MODD)	4.9	6.9	4.9	5.7
GLORY (PST-9HG)	4.7	6.5	5.2	5.7
PENN G-6	5.6	6.6	5.0	5.7
SR 1119	5.7	6.4	5.0	5.6
SRX 7MOBB	5.0	6.7	4.8	5.6
BRIGHTON (SRX 1120)	6.1	6.4	4.7	5.6
GRAND PRIX	5.8	6.1	5.0	5.5
IMPERIAL	6.1	6.4	4.6	5.5
PENNEAGLE	5.4	6.3	4.7	5.5
SEASIDE II	6.1	6.1	4.8	5.4
PST-9PM	4.7	6.6	4.6	5.4
BACKSPIN	6.1	6.1	4.7	5.4
ABT-COL-2	5.3	6.1	4.8	5.4
PROVIDENCE	5.8	6.0	4.8	5.4
TIGER	5.1	6.3	4.6	5.4
PENNCROSS	5.6	5.9	4.7	5.3
SR 7100	3.9	6.1	4.8	5.3
CENTURY	5.9	5.9	4.5	5.2
GOLFSTAR	4.1	5.7	4.0	4.7
SEASIDE	5.2	4.9	4.0	4.4
LSD VALUE	0.3	0.5	0.6	0.3
C.V. (%)	3.8	4.6	7.5	5.8

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 5.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A FAIRWAY OR TEE AT THIRTEEN LOCATIONS
USING 2.1-4.0 LBS. OF NITROGEN/1000 SQ. FT./YEAR 1/
1999-2002 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/												MEAN	
	IA1	IN1	KS1	MN1	MO1	MT1	NE1	NJ1	NY1	RI1	UT1	VA1		WA1
L-93	6.6	5.4	6.2	6.6	5.9	6.8	6.7	6.3	6.7	7.4	4.8	5.3	6.8	6.1
PENN G-6	6.7	5.6	5.9	6.6	6.2	6.4	5.3	5.7	6.4	7.0	5.0	5.5	6.5	6.0
SRX 1BPAA	6.3	4.9	6.1	6.8	6.0	6.4	5.6	5.7	6.6	7.1	4.5	5.2	7.0	5.9
GRAND PRIX	6.8	5.8	5.7	6.5	5.5	6.2	4.8	5.5	6.4	7.3	5.0	4.7	6.9	5.9
PENNLINKS II (PST-OVN)	6.6	5.0	6.3	6.3	6.4	6.2	5.4	5.6	6.3	7.5	4.6	5.0	7.0	5.9
IMPERIAL	7.2	5.4	5.4	6.6	4.9	6.5	7.1	5.2	6.4	6.7	4.5	4.8	6.7	5.9
CENTURY	6.9	6.1	5.5	6.4	5.8	6.7	6.9	4.5	6.5	6.2	4.8	4.6	6.7	5.9
TRUELINE	6.3	5.6	5.8	6.6	6.4	6.5	6.5	5.2	6.5	7.2	4.2	5.0	6.7	5.9
BACKSPIN	6.9	5.8	5.6	6.5	6.0	6.8	6.2	4.7	6.3	7.0	4.6	4.7	6.5	5.9
SR 1119	6.4	4.8	5.4	6.7	5.7	6.6	6.3	5.2	6.5	7.3	4.4	5.2	6.7	5.8
SEASIDE II	6.8	5.5	6.1	6.1	5.9	6.2	4.6	5.2	6.4	7.6	4.3	5.2	6.4	5.8
BRIGHTON (SRX 1120)	6.8	4.6	5.6	6.2	6.4	6.3	5.9	5.4	6.5	6.3	4.8	4.8	6.3	5.7
PRINCEVILLE	5.7	5.3	5.7	6.4	6.4	6.4	7.1	4.6	6.3	6.8	5.1	4.9	6.4	5.7
PROVIDENCE	6.5	5.6	5.3	6.5	6.3	6.6	5.9	4.5	6.2	6.8	4.8	4.3	6.4	5.7
PENNCROSS	5.9	4.9	6.0	5.7	7.0	6.4	4.9	4.2	6.1	5.9	5.2	5.1	6.5	5.6
PENNEAGLE	5.8	4.5	5.9	6.0	6.0	6.4	4.4	3.9	6.2	6.2	4.8	5.2	6.1	5.5
TIGER II (CIS AT-5)	4.5	3.3	5.1	6.7	6.1	6.0	5.9	6.5	6.3	7.5	3.5	5.1	6.0	5.4
GLORY (PST-9HG)	5.0	3.4	5.2	5.7	6.5	5.9	3.9	5.6	6.0	7.5	3.9	4.9	5.9	5.2
SR 7150 (SRX 7MODD)	4.2	3.2	4.9	5.8	6.3	6.0	4.9	6.5	6.3	7.0	3.4	4.9	6.2	5.2
ABT-COL-2	4.4	3.8	4.9	6.2	5.9	5.8	5.8	5.7	5.9	8.6	3.2	4.6	5.4	5.1
SRX 7MOBB	4.5	2.8	4.8	5.9	5.8	5.7	5.7	6.1	6.1	7.9	3.5	4.7	5.4	5.1
PST-9PM	4.7	3.3	4.8	5.7	6.1	5.6	4.2	5.0	6.0	8.4	3.7	4.7	5.7	5.0
SR 7100	4.5	3.4	4.2	6.4	6.1	6.0	5.2	5.2	5.9	5.2	3.6	4.9	5.3	5.0
TIGER	4.6	3.3	4.9	6.0	5.8	5.6	3.6	5.1	5.8	6.5	3.5	4.3	5.6	4.9
GOLFSTAR	4.4	2.8	4.1	5.1	6.1	5.5	5.0	4.3	6.0	6.0	3.5	3.9	5.7	4.6
SEASIDE	4.3	3.7	5.1	4.7	5.9	5.5	4.3	2.3	5.5	4.9	3.8	3.9	4.5	4.3
LSD VALUE	0.8	1.4	0.8	0.7	1.0	0.7	1.6	0.9	0.5	1.0	1.0	0.6	0.7	0.3
C.V. (%)	8.1	18.6	9.5	6.7	10.1	7.1	18.3	11.0	5.1	8.8	14.1	8.4	6.8	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 6. 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/
1999-2002 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							MEAN
	IL1	MA1	MI1	PA1	QE1	SD1	WA3	
TIGER II (CIS AT-5)	6.0	5.5	6.3	7.5	6.1	6.1	6.4	6.3
L-93	5.8	6.1	6.8	7.6	5.7	5.5	5.7	6.2
GLORY (PST-9HG)	6.0	5.5	6.1	6.7	6.2	6.2	6.0	6.2
TRUELINE	5.9	6.0	6.5	7.3	5.8	5.6	5.6	6.1
SR 1119	5.8	6.0	6.5	7.6	5.6	5.3	5.8	6.1
GRAND PRIX	5.5	6.4	6.5	7.2	5.6	5.6	6.0	6.1
IMPERIAL	5.5	6.4	6.5	7.3	5.7	5.2	6.2	6.1
SRX 1BPAA	6.0	5.4	6.5	7.6	5.8	5.2	5.5	6.0
PENNLINKS II (PST-OVN)	6.1	6.2	6.6	6.9	5.9	5.2	5.5	6.0
SR 7150 (SRX 7MODD)	5.5	5.5	6.3	6.5	6.2	5.7	6.0	6.0
SR 7100	5.3	5.6	6.2	6.0	6.3	6.2	6.0	6.0
PENN G-6	5.8	6.0	6.4	7.2	5.7	5.1	5.6	6.0
BRIGHTON (SRX 1120)	5.7	6.0	6.4	6.9	5.8	5.4	5.4	5.9
PENNCROSS	5.7	6.1	6.5	6.2	5.8	5.8	5.5	5.9
SRX 7MOBB	5.3	5.7	6.2	6.4	6.0	6.0	5.8	5.9
ABT-COL-2	5.7	5.5	6.3	6.0	6.1	5.8	5.8	5.9
BACKSPIN	5.5	6.5	6.2	6.8	5.6	5.4	5.7	5.9
CENTURY	5.0	6.0	6.4	6.7	5.7	5.3	6.2	5.9
SEASIDE II	5.7	6.0	6.4	7.3	5.7	4.7	5.3	5.9
PRINCEVILLE	5.6	5.7	6.4	6.5	5.8	5.5	5.4	5.8
TIGER	5.4	5.4	6.1	5.6	6.2	6.0	5.5	5.8
PROVIDENCE	5.3	5.7	6.4	6.9	5.6	4.8	5.6	5.7
PENNEAGLE	6.0	5.5	6.3	6.0	5.6	5.3	5.1	5.7
PST-9PM	5.6	5.4	6.3	5.2	6.0	5.9	5.5	5.7
GOLFSTAR	5.5	5.4	6.0	5.7	6.2	6.1	4.7	5.7
SEASIDE	4.0	5.6	5.9	3.6	5.4	5.4	4.3	4.8
LSD VALUE	0.6	0.8	0.5	0.7	0.5	0.7	0.6	0.3
C.V. (%)	7.0	8.7	5.4	6.6	5.5	7.9	7.1	6.8

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 7. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A FAIRWAY OR TEE AT THREE LOCATIONS WITHOUT FUNGICIDES IN THE U.S. 1/ 1999-2002 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	MO2	RI2	WA4	MEAN
ABT-COL-2	6.3	7.5	5.8	6.2
TIGER II (CIS AT-5)	6.6	6.2	6.1	6.2
GLORY (PST-9HG)	6.8	5.7	5.9	5.9
PST-9PM	6.8	6.2	5.4	5.7
SRX 7MOBB	6.3	4.6	5.7	5.5
PENN G-6	6.2	5.7	5.4	5.5
SR 7150 (SRX 7MODD)	6.5	3.8	5.8	5.5
IMPERIAL	4.8	5.3	5.8	5.4
TRUELINE	6.8	5.6	5.4	5.4
GRAND PRIX	5.2	5.2	5.7	5.4
SEASIDE II	6.2	6.4	5.1	5.4
SR 7100	7.0	2.9	5.8	5.4
L-93	5.8	5.5	5.4	5.4
PENNCROSS	7.1	5.2	5.3	5.3
CENTURY	5.8	4.5	5.8	5.3
SR 1119	5.7	5.2	5.5	5.3
PRINCEVILLE	6.6	5.6	5.2	5.3
BACKSPIN	5.9	5.0	5.5	5.2
BRIGHTON (SRX 1120)	6.8	5.4	5.2	5.2
PROVIDENCE	6.8	4.4	5.4	5.2
SRX 1BPAA	6.7	5.3	5.1	5.2
TIGER	6.6	4.2	5.2	5.1
PENNEAGLE	6.6	5.3	4.9	5.0
PENNLINKS II (PST-OVN)	6.8	5.8	4.8	4.9
GOLFSTAR	5.6	4.6	4.5	4.5
SEASIDE	6.3	4.7	4.3	4.5
LSD VALUE	1.4	1.2	0.6	0.7
C.V. (%)	13.4	14.2	7.0	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 8.

GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

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

NAME	CO1	IA1	IL1	IN1	KS1	KY1	MA1	MI1	MN1	MO2	MT1	NE1	NJ1	NY1	PA1	QE1	RI1	RI2	SD1	UT1	VA1	WA1	WA3	WA4	WI1	MEAN
SR 7150 (SRX 7MODD)	7.0	6.8	6.3	6.9	8.0	8.2	6.3	7.4	6.6	6.0	7.0	7.0	6.5	7.3	7.8	7.2	8.7	7.3	7.6	4.5	7.2	8.4	8.3	7.3	7.3	7.1
GOLFSTAR	7.0	6.3	6.1	6.9	7.0	7.6	7.7	7.0	5.8	4.0	7.0	6.7	4.7	6.7	8.6	7.3	8.0	7.3	7.7	4.8	6.6	7.9	7.1	7.0	7.2	6.8
SRX 1BPAA	8.3	6.7	6.3	6.6	9.0	7.1	5.3	7.1	6.6	7.0	8.0	6.3	6.5	8.0	7.4	6.3	7.0	6.5	5.7	5.3	7.3	6.7	7.1	8.0	7.0	6.8
PENNLINKS II (PST-OVN)	8.3	6.9	6.3	6.3	8.7	7.2	5.7	7.6	6.8	7.0	7.7	7.7	5.5	7.0	7.9	6.3	6.7	6.3	5.9	5.2	7.0	6.9	7.1	7.7	6.8	6.7
TRUELINE	8.7	6.8	6.2	6.7	8.0	6.9	7.0	7.3	6.8	6.0	7.8	7.0	6.2	7.3	6.8	6.3	8.0	6.7	5.7	5.2	7.2	6.8	6.8	7.3	6.2	6.7
SRX 7MOBB	7.0	6.8	5.7	6.9	7.0	7.8	7.0	7.4	6.5	6.0	6.9	7.7	5.7	7.0	6.6	7.0	7.0	6.7	7.3	4.5	6.0	7.6	7.2	6.7	6.8	6.7
L-93	8.3	7.0	6.3	6.4	9.0	6.7	7.0	7.3	6.8	7.0	7.8	7.3	5.7	7.3	6.3	6.3	7.0	6.3	5.8	5.3	7.3	7.0	6.2	7.3	6.8	6.7
BRIGHTON (SRX 1120)	9.0	7.0	6.3	6.3	8.3	6.6	5.7	7.2	6.5	6.0	7.9	6.3	6.3	7.3	5.9	6.3	6.3	6.0	5.8	5.4	6.5	6.8	6.8	7.0	6.7	6.5
PST-9PM	7.0	6.5	6.1	6.4	7.0	7.4	5.3	7.2	6.0	4.0	6.8	6.7	4.5	6.0	6.8	7.2	8.3	7.3	7.2	4.8	6.7	7.6	7.0	7.0	6.8	6.5
TIGER	8.3	6.9	6.0	6.6	6.7	7.6	7.3	7.1	6.2	6.0	6.4	8.3	4.7	6.3	5.2	6.8	7.0	7.5	6.8	5.1	6.1	7.6	6.9	6.7	6.7	6.5
SR 1119	8.7	6.7	6.3	6.1	8.3	6.6	6.0	7.3	6.8	6.0	7.6	6.3	5.3	7.3	6.4	6.3	6.7	6.3	5.4	5.3	7.2	6.6	6.7	8.0	6.2	6.5
TIGER II (CIS AT-5)	7.0	6.6	5.7	6.4	7.7	6.4	4.3	7.1	6.3	6.7	6.2	6.7	5.2	6.7	5.4	6.8	7.3	6.7	6.9	4.6	6.4	7.6	6.6	6.0	6.9	6.4
GLORY (PST-9HG)	7.0	6.8	5.7	6.1	7.0	7.1	5.7	7.0	6.2	4.0	6.3	6.3	4.8	6.0	5.9	7.0	8.0	6.8	6.8	4.8	6.3	7.8	7.0	6.7	5.9	6.4
PENN G-6	8.0	6.8	6.0	6.1	8.0	6.7	7.0	7.4	6.3	6.7	7.2	7.0	5.2	6.7	5.9	6.0	6.3	5.8	5.8	5.5	6.6	6.7	6.2	6.3	6.0	6.4
PENNCROSS	6.3	6.6	6.1	6.0	8.7	7.0	6.7	7.2	6.3	7.0	7.0	6.0	4.5	6.3	6.2	6.3	6.3	6.7	5.5	5.3	6.7	6.7	6.3	6.3	6.4	6.3
GRAND PRIX	8.0	6.8	5.6	6.2	8.3	6.6	6.3	7.0	6.5	6.0	7.0	7.3	5.3	6.7	5.3	6.2	6.3	6.2	5.8	5.5	6.9	6.8	6.2	6.7	6.2	6.3
PROVIDENCE	8.7	6.3	6.5	6.2	8.0	6.7	6.7	6.8	6.5	7.0	7.3	6.3	4.2	6.7	5.8	6.2	6.0	6.5	5.8	5.0	6.8	6.7	6.3	6.7	6.1	6.3
IMPERIAL	8.3	7.3	5.9	6.3	8.3	6.6	6.0	7.2	6.7	6.0	7.1	6.7	5.3	7.3	5.4	6.3	5.3	5.7	5.3	5.3	6.4	6.8	5.9	6.3	6.1	6.3
CENTURY	8.7	7.2	5.8	6.0	8.0	6.7	6.3	7.2	6.5	5.0	7.1	7.0	4.3	7.3	5.2	6.1	5.0	5.8	5.6	5.2	6.5	6.4	6.3	6.0	5.9	6.2
BACKSPIN	8.3	7.1	5.6	6.0	7.7	6.2	6.7	7.0	6.6	4.0	7.3	6.0	4.3	6.7	4.8	6.3	6.0	5.7	5.2	5.7	6.3	6.4	5.9	6.3	6.3	6.1
SEASIDE II	8.0	6.8	5.9	6.1	7.7	6.2	6.3	7.2	6.3	6.0	6.9	7.3	5.2	7.0	5.1	6.1	6.3	6.3	5.0	5.0	6.4	6.4	5.8	6.0	5.2	6.1
PRINCEVILLE	8.0	6.5	5.8	6.2	8.0	6.1	6.3	7.1	6.6	6.0	6.8	6.7	3.8	6.7	4.9	5.8	6.7	5.8	5.3	5.2	6.5	6.7	6.1	6.0	5.3	6.1
ABT-COL-2	8.3	6.3	5.4	5.6	7.3	6.3	5.3	6.9	6.1	5.0	6.2	6.7	4.0	6.3	4.6	6.8	7.3	6.7	6.5	4.6	5.6	7.2	6.6	6.7	6.2	6.1
PENNEAGLE	6.3	6.8	5.8	5.9	7.3	6.1	6.3	6.8	6.0	6.0	7.0	7.0	3.8	6.3	5.3	6.1	6.7	6.2	5.3	5.2	6.5	6.2	6.3	6.3	5.7	6.0
SR 7100	9.0	6.8	5.2	5.9	7.3	6.2	7.3	7.2	5.7	6.0	6.0	6.0	3.2	5.7	4.4	6.3	6.7	6.3	6.6	4.8	5.2	6.7	6.1	5.3	5.2	5.9
SEASIDE	7.0	5.7	5.1	5.6	6.7	4.9	8.0	6.7	5.8	6.0	5.8	5.0	3.0	7.0	3.2	5.7	5.7	5.7	4.3	4.4	5.3	5.8	5.2	5.0	4.2	5.3
LSD VALUE	0.7	1.1	0.8	0.9	0.9	0.8	1.8	0.8	0.9	0.3	1.0	1.3	1.9	0.9	1.1	0.9	1.3	1.0	1.2	1.4	1.1	0.9	1.0	0.7	1.0	0.3
C.V. (%)	5.2	10.5	8.9	9.4	7.4	7.8	17.8	7.3	9.2	2.7	8.4	11.9	23.7	7.8	11.9	8.9	12.0	9.1	12.6	17.5	11.0	8.0	9.2	6.8	9.8	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 9.

SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

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

NAME	C01	IA1	IL1	IN1	KY1	MA1	MI1	MN1	MO2	MT1	NE1	NJ1	NY1	PA1	QE1	RI1	RI2	SD1	VA1	WA1	WA3	WI1	MEAN
SR 7150 (SRX 7M0DD)	8.3	5.4	7.0	4.1	8.8	5.3	7.0	6.9	6.0	5.7	6.0	7.4	7.2	7.0	2.8	3.3	5.2	5.3	6.3	6.3	6.3	5.6	6.0
TIGER	7.3	5.3	6.9	4.8	8.0	6.3	6.7	6.3	6.0	5.3	7.7	5.4	6.3	7.2	2.9	4.0	6.3	6.1	5.7	6.8	6.6	5.8	6.0
SR 7100	8.7	5.4	6.4	4.7	6.0	6.3	6.8	6.7	7.0	6.0	6.7	6.6	6.0	7.8	2.9	4.3	5.7	5.3	5.1	7.3	6.1	5.8	6.0
GLORY (PST-9HG)	8.3	6.0	6.5	4.3	7.9	4.7	6.3	7.1	4.0	5.3	6.3	6.0	6.3	7.8	3.0	3.3	4.8	5.9	5.2	7.3	6.0	5.7	5.9
GOLFSTAR	8.0	5.2	6.7	3.9	8.2	6.7	6.8	6.6	4.0	6.0	5.3	6.6	7.0	6.7	2.9	3.0	4.5	5.7	6.4	6.5	5.7	5.3	5.8
TIGER II (CIS AT-5)	7.0	5.4	6.5	4.2	7.3	3.3	6.8	6.7	6.0	5.3	7.3	6.8	6.8	7.2	2.8	3.7	5.2	4.6	5.4	6.8	6.2	6.1	5.8
SRX 7MOBB	7.3	5.9	6.7	4.1	8.3	6.0	7.0	6.3	7.0	5.3	7.3	6.2	6.8	6.9	2.9	3.7	4.8	4.9	4.7	6.3	5.2	5.6	5.7
PST-9PM	8.7	5.3	6.2	4.3	7.3	4.3	7.0	5.8	5.0	5.7	7.0	6.0	6.7	7.9	3.0	3.0	5.3	5.6	5.9	6.2	5.8	5.6	5.7
IMPERIAL	6.3	6.8	6.5	4.9	8.3	5.0	7.0	6.8	6.0	6.0	7.0	4.6	7.0	6.2	1.9	1.3	3.5	5.1	5.8	5.8	5.4	4.9	5.6
SR 1119	3.7	6.8	5.9	3.9	7.6	5.0	7.0	7.1	6.0	6.0	5.0	5.1	7.2	5.4	2.2	2.0	3.3	5.0	7.0	5.8	5.9	5.0	5.5
TRUELINE	3.3	6.4	5.9	4.6	7.9	6.0	6.8	6.8	5.0	6.0	5.3	5.1	7.3	5.7	2.3	2.3	3.7	5.1	6.0	6.3	4.9	4.9	5.5
BACKSPIN	3.0	6.8	6.3	4.8	7.3	5.7	6.8	6.7	6.0	5.7	5.7	3.8	6.7	6.1	2.0	1.7	3.7	5.8	5.7	6.5	5.4	5.0	5.5
CENTURY	3.3	6.7	5.8	5.1	8.3	5.3	6.5	6.6	6.0	6.0	6.7	3.7	6.7	5.9	2.3	2.3	3.7	5.0	5.3	5.8	5.6	4.8	5.4
PENN G-6	3.7	6.5	6.2	4.8	8.0	6.0	6.8	7.0	5.0	5.7	6.3	5.0	7.0	5.4	2.1	2.0	3.5	4.3	5.3	6.0	4.9	5.0	5.4
SRX 1BPAA	3.7	6.1	6.3	4.6	8.3	4.3	7.2	6.3	7.0	6.0	5.7	4.6	7.5	5.8	2.0	2.3	4.0	5.6	5.0	6.3	5.2	4.9	5.4
PRINCEVILLE	3.0	6.3	6.2	4.8	7.6	5.3	6.8	6.7	6.0	6.0	5.7	4.9	6.5	5.2	2.0	2.0	3.5	6.2	5.2	5.8	4.7	4.9	5.4
PENNCROSS	3.7	6.1	5.9	4.7	7.8	5.7	6.8	6.6	6.0	5.7	6.7	3.7	6.5	5.3	2.2	2.0	3.7	6.0	5.6	6.0	5.4	4.6	5.4
L-93	3.0	6.3	6.0	4.3	7.3	6.0	7.2	7.0	6.0	5.3	6.0	4.9	7.5	5.6	2.6	2.7	3.3	4.9	5.8	6.0	4.6	4.9	5.4
GRAND PRIX	3.0	6.3	5.6	4.9	7.0	5.3	7.0	6.5	6.0	6.0	6.7	4.2	6.8	5.7	1.9	1.3	3.5	5.1	5.8	6.0	5.3	5.1	5.3
SEASIDE	7.0	5.6	5.5	5.3	6.8	7.0	6.5	5.8	6.0	5.3	4.3	5.4	6.2	4.9	1.6	3.0	4.7	7.3	5.2	5.3	4.6	4.3	5.3
PROVIDENCE	3.7	6.3	5.5	4.3	7.2	5.7	6.7	6.8	6.0	5.7	6.3	3.7	6.8	5.8	2.1	2.0	4.8	5.0	5.3	5.7	4.9	5.1	5.3
BRIGHTON (SRX 1120)	3.7	6.7	5.5	3.8	7.8	4.7	7.3	6.2	7.0	5.3	6.0	5.3	7.0	5.8	2.1	1.3	3.0	4.3	5.3	5.5	5.1	5.3	5.3
ABT-COL-2	3.7	5.3	5.3	4.3	7.4	4.3	6.7	6.0	6.7	5.0	7.0	4.7	6.2	6.3	2.7	3.0	4.5	5.1	4.7	6.0	5.7	5.1	5.2
PENNEAGLE	4.0	6.2	6.1	3.8	7.3	5.3	7.0	6.4	5.3	5.7	6.7	4.6	6.5	5.0	2.1	2.3	3.8	5.2	4.9	5.8	4.9	4.8	5.2
PENNLINKS II (PST-OVN)	3.7	6.4	5.8	4.3	7.8	4.7	7.0	6.2	6.0	5.0	6.7	4.2	7.3	5.6	2.1	2.0	3.5	4.1	4.9	5.5	5.2	4.8	5.2
SEASIDE II	3.3	6.3	5.9	3.6	7.3	5.3	7.3	6.2	5.0	5.3	7.0	3.9	6.5	4.7	1.7	2.0	3.8	4.1	5.1	5.3	4.2	4.5	5.0
LSD VALUE	0.8	1.2	1.3	1.9	0.8	1.8	0.8	1.2	0.3	0.8	1.6	1.6	0.6	1.0	0.7	1.1	1.2	1.5	1.0	1.8	1.2	1.0	0.4
C.V. (%)	10.2	12.2	13.3	29.7	6.0	21.1	7.0	11.6	2.7	8.5	15.5	20.3	5.8	10.2	17.6	26.4	22.0	18.4	11.7	18.2	13.9	11.6	14.7

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 10.

LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

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

NAME	IA1	KS1	KY1	MI1	MN1	MO2	MT1	NE1	NJ1	NY1	PA1	QE1	RI2	MEAN
SRX 7MOBB	7.0	6.3	8.3	6.8	7.2	6.7	6.3	8.3	6.8	6.5	9.0	7.6	6.3	7.1
SR 7150 (SRX 7MODD)	6.4	6.3	9.0	7.2	7.0	6.3	6.1	8.0	7.2	6.3	9.0	7.4	6.0	7.0
SR 7100	6.1	5.7	9.0	7.2	7.4	6.7	5.9	7.7	6.7	6.2	9.0	7.5	6.7	7.0
BRIGHTON (SRX 1120)	7.2	8.3	7.7	7.3	6.6	6.3	6.2	8.3	5.8	6.5	7.0	7.2	8.0	7.0
L-93	7.0	8.3	8.3	7.8	6.3	7.0	6.3	8.7	6.0	7.0	7.0	7.1	7.0	7.0
TIGER II (CIS AT-5)	6.0	6.0	8.7	7.3	7.4	6.7	5.8	8.3	6.8	6.5	8.7	7.3	6.3	7.0
GRAND PRIX	6.8	8.3	7.3	7.7	6.8	6.0	5.9	7.7	5.8	6.5	7.7	7.3	7.7	6.9
IMPERIAL	7.3	8.7	7.0	7.8	6.6	6.0	5.8	9.0	5.8	6.5	7.3	7.1	7.3	6.9
ABT-COL-2	6.4	7.0	7.7	7.2	7.1	6.0	5.8	8.7	6.8	6.3	9.0	7.3	6.3	6.9
SEASIDE II	6.8	8.0	7.3	7.6	7.0	6.0	5.9	7.7	5.0	6.7	7.7	7.0	6.7	6.8
CENTURY	7.2	9.0	8.0	7.0	6.7	6.0	5.6	8.7	5.0	6.8	8.0	7.2	7.7	6.8
SRX 1BPAA	6.6	8.7	7.7	7.3	6.4	6.7	5.8	8.3	5.5	6.7	7.0	7.3	7.0	6.8
TIGER	6.6	6.3	9.0	6.9	6.8	7.0	6.1	7.0	5.7	6.0	8.3	7.3	8.0	6.8
BACKSPIN	7.2	7.7	7.3	7.3	6.3	6.0	6.4	8.3	4.5	6.7	8.0	7.1	7.0	6.7
SR 1119	6.1	8.3	7.0	7.7	6.3	6.0	6.3	8.7	5.0	6.8	6.7	7.2	7.0	6.7
PROVIDENCE	6.3	8.0	7.3	7.1	6.9	7.0	6.1	8.3	4.5	6.2	7.3	7.1	7.3	6.7
PENNLINKS II (PST-OVN)	6.4	8.0	7.7	7.7	6.3	7.0	5.0	8.0	4.8	6.7	6.7	7.1	7.3	6.6
PST-9PM	5.4	5.3	8.0	7.2	7.1	6.0	6.0	7.7	5.0	6.5	8.0	7.1	6.3	6.6
TRUELINE	6.2	8.0	7.3	7.3	6.8	6.7	5.6	8.0	4.2	6.5	7.0	7.1	7.0	6.6
PENN G-6	7.0	8.0	8.3	7.3	5.8	6.7	5.4	7.7	5.3	6.3	7.0	7.0	7.7	6.6
GLORY (PST-9HG)	6.1	6.0	8.7	7.0	6.3	4.0	5.9	6.7	5.5	6.3	8.0	7.3	7.0	6.5
PRINCEVILLE	5.9	7.7	7.0	7.3	6.3	7.0	5.8	8.7	3.7	6.5	7.3	7.1	7.0	6.5
GOLFSTAR	5.3	4.7	8.7	7.3	6.0	4.0	5.6	7.7	4.5	6.7	7.3	7.4	6.7	6.3
PENNCROSS	6.2	7.7	7.7	7.2	5.4	7.0	5.4	7.7	2.5	6.0	5.0	7.3	7.3	6.2
PENNEAGLE	6.6	6.7	7.0	7.3	5.8	6.0	5.3	7.3	2.8	6.2	6.0	6.8	7.0	6.1
SEASIDE	5.2	4.3	5.0	7.0	5.4	4.0	4.9	6.3	1.5	5.3	3.3	6.4	6.3	5.3
LSD VALUE	1.4	1.4	0.7	0.8	1.1	0.8	1.4	1.3	1.6	0.8	0.7	0.8	0.8	0.5
C.V. (%)	13.5	12.1	5.8	6.8	10.3	7.6	15.5	10.4	19.0	7.6	5.7	7.1	6.9	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 11.

SEEDLING VIGOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

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

NAME	IN1	KY1	MA1	MI1	MN1	M02	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
PENNLINKS II (PST-OVN)	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
TIGER II (CIS 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
BRIGHTON (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
GLORY (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
SR 7150 (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 12.

SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

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

NAME	CO1	IA1	IL1	IN1	KY1	MI1	MO2	MT1	NE1	PA1	QE1	SD1	VA1	WA1	WA3	WA4	WI1	MEAN
CENTURY	7.7	7.2	6.9	6.3	7.3	6.9	7.0	6.7	7.7	7.8	7.2	6.6	3.3	8.0	7.4	7.0	6.1	6.9
IMPERIAL	7.7	6.8	6.8	5.9	7.8	6.9	7.0	6.6	7.7	8.0	7.3	6.6	4.3	7.6	7.3	7.3	5.8	6.8
L-93	7.7	6.3	6.9	6.2	7.7	7.2	7.0	6.3	7.7	7.7	7.3	5.9	4.0	7.7	6.7	6.3	6.3	6.8
GRAND PRIX	7.0	6.5	7.0	6.4	7.0	7.0	7.3	6.1	6.7	7.5	7.3	6.4	3.3	7.9	6.9	6.3	6.3	6.7
TIGER II (CIS AT-5)	5.3	4.8	6.8	4.0	8.6	6.9	7.3	6.3	6.7	8.8	7.3	7.4	4.3	7.8	7.1	6.3	6.0	6.7
BACKSPIN	7.3	7.5	6.6	5.9	7.6	6.7	7.3	6.8	7.3	7.8	7.2	6.3	3.3	7.7	6.2	6.3	5.8	6.7
PENN G-6	6.7	6.3	6.8	6.0	7.8	7.0	7.0	6.2	7.0	7.3	7.1	5.9	5.3	7.8	6.0	6.0	6.3	6.6
SRX 1BPAA	7.0	5.3	7.0	5.4	8.0	6.8	7.3	6.6	7.0	7.7	7.2	5.9	3.7	7.8	6.7	6.7	5.8	6.6
SR 1119	7.0	5.8	6.3	5.1	7.7	6.8	6.7	7.0	7.7	7.7	6.9	6.6	5.0	7.4	6.8	6.7	5.8	6.6
SR 7100	6.0	5.7	5.8	4.4	8.0	6.8	7.3	5.9	7.0	8.2	7.9	7.6	3.7	7.6	6.7	6.0	6.0	6.5
SRX 7MOBB	5.0	4.8	6.2	3.7	8.0	6.7	7.3	6.0	7.0	9.0	7.7	7.8	3.3	7.2	7.4	6.3	6.0	6.5
SEASIDE II	6.7	6.2	6.8	5.8	7.7	7.2	6.7	6.3	6.3	8.0	7.0	5.8	4.7	7.1	6.3	6.3	5.8	6.5
ABT-COL-2	6.3	4.3	6.3	5.1	7.4	6.9	7.7	6.2	6.7	8.3	7.7	7.2	4.0	7.4	6.4	6.0	5.8	6.5
PROVIDENCE	7.0	6.7	6.3	6.0	6.7	7.0	7.0	6.7	7.7	7.2	7.1	6.1	3.0	7.0	6.3	6.3	5.8	6.5
PENNLINKS II (PST-OVN)	6.7	6.3	6.3	5.2	7.1	7.0	7.3	6.8	6.7	7.3	7.1	6.3	3.7	7.1	6.1	6.7	5.8	6.4
SR 7150 (SRX 7MODD)	5.3	4.3	6.2	4.1	7.9	6.7	7.3	5.9	6.0	8.7	7.8	7.2	4.0	7.3	6.7	6.3	5.9	6.4
TRUELINE	7.0	5.5	6.3	5.6	7.3	6.9	7.3	6.4	8.0	7.5	7.2	6.3	4.0	7.0	6.2	5.7	5.6	6.4
GLORY (PST-9HG)	5.3	5.0	6.3	4.1	7.4	6.3	7.0	6.4	6.0	8.2	7.9	7.6	3.3	7.2	6.8	5.3	6.0	6.4
BRIGHTON (SRX 1120)	7.0	6.3	6.7	5.1	7.4	7.0	7.0	6.0	7.3	7.3	7.1	5.7	4.0	7.2	6.0	6.7	5.2	6.4
PRINCEVILLE	7.0	5.5	6.3	5.1	7.0	6.9	7.3	6.7	8.3	6.5	7.0	5.7	4.0	6.8	6.0	5.3	5.7	6.2
PENNCROSS	8.0	6.0	6.3	5.2	6.1	6.8	6.7	6.6	6.3	6.7	7.4	5.8	5.0	7.2	5.8	6.0	5.4	6.2
TIGER	7.7	4.8	6.2	4.1	6.6	6.6	6.3	6.3	5.3	7.8	7.7	7.4	2.7	7.1	6.7	4.7	5.3	6.2
PST-9PM	5.7	4.7	5.8	4.4	6.7	6.9	7.0	5.8	6.3	7.2	7.4	6.9	4.7	6.8	6.8	4.3	5.5	6.1
PENNEAGLE	7.3	5.7	6.3	5.0	6.2	6.9	7.3	6.6	6.3	5.8	6.8	5.6	5.7	6.7	5.3	4.3	5.0	6.0
GOLFSTAR	4.0	3.8	5.8	3.9	5.7	6.4	7.0	5.7	7.7	7.0	7.6	6.9	3.0	7.0	5.7	4.0	4.7	5.7
SEASIDE	7.0	4.7	4.3	3.6	4.9	6.4	6.7	7.0	7.0	4.7	6.4	4.3	3.3	4.8	4.6	4.3	3.6	4.9
LSD VALUE	0.9	1.4	1.2	1.6	0.8	0.8	1.0	1.6	1.6	0.7	0.8	1.1	1.6	0.8	1.1	1.2	1.3	0.4
C.V. (%)	8.2	14.9	12.1	19.9	6.8	6.9	8.6	16.1	14.1	6.3	6.4	10.7	25.5	7.2	10.8	12.3	14.2	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 13.

SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

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

NAME	CO1	IL1	IN1	KY1	MI1	MN1	M02	MT1	NE1	NJ1	NY1	PA1	QE1	SD1	UT1	VA1	WA1	WA3	WA4	WI1	MEAN
IMPERIAL	9.0	6.6	6.0	7.8	7.6	7.0	7.0	8.1	9.0	5.0	7.3	8.3	6.9	6.8	5.2	6.7	8.3	7.0	7.7	6.3	6.9
L-93	9.0	6.8	5.7	8.8	7.4	6.7	7.0	7.8	8.3	6.9	7.3	7.8	6.8	6.2	4.8	6.8	7.8	6.3	7.0	6.3	6.9
CENTURY	9.0	6.3	7.0	7.3	7.3	7.0	7.0	7.8	8.7	4.2	7.3	8.0	6.8	6.7	5.0	6.4	8.4	6.8	7.7	6.1	6.8
TIGER II (CIS AT-5)	7.7	6.1	5.0	9.0	6.8	6.7	8.0	7.2	8.0	6.4	7.3	7.8	6.8	7.4	3.2	6.6	8.0	7.6	7.0	6.3	6.8
SEASIDE II	9.0	6.6	5.8	7.7	7.5	6.7	7.3	7.7	7.0	5.8	8.0	7.8	6.6	6.2	5.5	6.9	7.4	6.8	7.0	6.3	6.8
SR 1119	9.0	6.3	5.8	8.2	7.4	6.7	7.3	7.8	8.3	4.6	7.3	8.2	6.9	6.4	4.7	7.1	8.0	6.3	7.3	6.0	6.7
GRAND PRIX	9.0	6.2	6.0	7.8	7.2	7.0	7.3	7.1	7.0	4.9	7.7	8.5	6.9	6.4	5.5	6.2	8.3	6.6	7.0	6.3	6.7
BACKSPIN	9.0	6.0	6.2	8.8	7.1	7.0	7.3	7.4	8.3	4.3	7.7	8.0	6.8	6.4	5.0	6.7	8.3	6.6	7.3	6.1	6.7
SRX 1BPAA	9.0	6.4	5.9	8.2	7.1	7.0	7.7	7.6	8.0	5.4	7.3	7.7	6.8	6.0	4.2	6.8	8.2	6.1	7.0	6.3	6.7
PENN G-6	9.0	6.3	5.6	8.2	7.2	6.3	7.3	7.8	7.3	5.4	7.3	7.3	6.9	6.3	4.8	6.3	7.9	6.8	7.0	6.2	6.7
SR 7150 (SRX 7MODD)	7.3	5.9	5.3	6.8	6.8	6.0	7.3	7.6	7.3	6.6	7.3	7.7	7.0	7.4	3.0	6.3	7.3	7.6	6.0	6.2	6.6
BRIGHTON (SRX 1120)	9.0	6.1	5.5	7.8	7.5	7.0	7.7	7.1	8.7	5.2	7.3	7.7	6.4	6.2	5.2	6.4	7.4	6.4	6.7	6.2	6.6
PROVIDENCE	9.0	6.5	5.6	6.7	7.0	6.3	8.0	7.6	8.7	4.3	7.0	7.8	6.7	6.2	5.2	6.4	7.8	6.3	7.0	6.0	6.5
ABT-COL-2	9.0	5.4	5.5	6.3	6.8	6.3	6.7	7.4	8.3	5.2	7.7	7.5	6.8	7.4	2.3	6.2	7.7	7.4	6.7	6.4	6.5
TRUELINE	9.0	6.2	5.6	7.8	7.3	6.3	7.3	7.6	9.0	4.1	7.3	7.5	6.8	6.1	4.3	6.1	7.8	6.6	6.3	5.9	6.5
PENNLINKS II (PST-OVN)	9.0	6.0	5.4	7.5	7.0	6.3	7.7	7.2	7.3	4.8	7.7	7.2	7.1	6.3	4.2	6.7	8.2	5.8	6.7	6.0	6.5
SRX 7MOBB	7.7	5.8	4.4	6.8	6.7	6.0	7.7	6.8	7.7	6.4	7.0	7.7	7.0	7.3	2.7	6.1	7.2	7.8	7.7	6.3	6.5
SR 7100	6.7	5.2	5.2	7.2	6.8	6.0	7.7	7.1	7.7	5.1	7.3	7.7	7.0	7.6	3.3	6.2	7.4	7.1	6.3	6.0	6.4
GLORY (PST-9HG)	6.7	5.3	5.0	7.3	6.5	5.7	7.0	6.6	7.0	4.8	7.0	7.2	7.0	7.7	3.0	6.3	7.4	6.8	6.0	6.2	6.3
PRINCEVILLE	9.0	5.6	4.6	6.7	6.9	6.7	7.0	7.6	9.0	3.1	7.7	6.2	6.7	6.3	5.2	6.1	7.4	6.4	6.3	6.1	6.2
PENNCROSS	9.0	5.8	4.9	6.7	6.8	6.3	7.3	7.7	7.0	2.6	7.7	6.3	6.5	6.7	4.7	6.3	7.8	5.9	7.0	5.9	6.2
PST-9PM	6.7	5.2	4.9	5.7	6.5	6.3	7.3	6.9	6.7	4.0	7.3	6.7	6.6	7.0	3.2	6.2	7.3	7.2	6.3	5.7	6.1
PENNEAGLE	9.0	6.0	4.4	7.3	7.0	6.0	7.0	7.2	7.0	2.6	7.0	6.0	6.7	5.7	5.2	6.3	7.3	6.0	6.3	5.8	6.0
TIGER	9.0	4.8	4.2	5.7	6.5	5.7	6.7	6.8	6.7	4.4	7.3	7.0	6.9	7.2	3.0	5.4	7.0	6.9	6.7	6.0	6.0
GOLFSTAR	4.3	4.9	4.2	5.7	6.3	6.0	6.7	6.4	7.7	3.4	7.0	6.8	6.8	7.1	2.8	5.7	6.9	5.9	5.3	5.1	5.7
SEASIDE	9.0	3.8	3.1	4.5	6.6	5.0	6.7	6.6	7.0	1.4	6.7	3.2	5.8	4.6	3.8	5.8	5.2	4.3	5.0	4.7	4.8
LSD VALUE	0.5	1.2	1.7	1.1	1.0	0.8	0.9	1.4	1.4	1.7	0.8	1.0	0.7	1.0	1.8	1.4	0.9	1.0	1.0	0.9	0.4
C.V. (%)	3.6	12.4	19.9	9.4	9.3	7.9	8.1	12.1	11.3	23.5	6.9	8.4	6.3	9.4	25.9	14.5	7.5	9.8	9.2	11.0	11.9

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

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

TABLE 14.

FALL DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

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

NAME	C01	IL1	IN1	KY1	MI1	MN1	M01	M02	MT1	NE1	PA1	QE1	SD1	UT1	VA1	WA1	WA3	WA4	WI1	MEAN
SEASIDE II	9.0	7.1	5.8	7.3	7.5	6.9	9.0	9.0	8.5	8.0	8.2	7.7	5.0	5.2	7.2	7.8	7.5	6.7	6.7	7.2
CENTURY	9.0	6.7	7.2	6.0	7.0	6.9	8.7	8.3	8.5	9.0	8.0	7.8	6.3	5.2	7.0	8.0	7.2	7.0	6.0	7.1
TIGER II (CIS AT-5)	8.0	7.4	4.7	9.0	7.7	6.8	9.0	9.0	8.0	8.7	8.3	7.8	6.7	5.0	6.8	7.6	7.8	6.3	6.3	7.1
L-93	9.0	7.0	6.0	7.8	7.3	7.0	8.7	8.3	8.2	9.0	7.8	7.9	5.7	5.2	6.3	8.0	6.5	6.7	6.3	7.1
IMPERIAL	9.0	6.8	5.8	6.3	7.2	6.9	7.7	7.7	8.3	9.0	8.0	7.8	6.0	6.3	6.8	8.4	6.7	7.0	5.9	7.0
PENN G-6	9.0	6.8	5.9	6.7	7.7	6.9	9.0	8.7	8.2	8.7	7.0	7.8	6.0	5.8	6.5	7.8	6.5	6.0	6.1	7.0
PROVIDENCE	9.0	6.9	5.8	5.2	7.7	6.9	9.0	9.0	8.5	8.7	7.3	7.7	5.7	5.7	6.5	7.7	7.3	6.7	6.0	7.0
TRUELINE	9.0	7.0	5.1	7.7	7.3	6.7	9.0	8.7	8.2	9.0	7.0	7.9	6.3	5.7	6.5	7.9	6.3	6.3	6.1	7.0
GRAND PRIX	9.0	6.6	5.8	6.3	7.2	6.7	8.7	8.7	7.8	7.7	7.8	7.7	6.0	6.0	6.0	8.0	7.0	7.0	6.1	6.9
BACKSPIN	9.0	6.7	6.3	7.2	7.2	6.9	8.7	8.3	8.0	9.0	7.3	7.8	5.0	5.2	6.2	7.9	6.5	6.3	5.8	6.9
ABT-COL-2	9.0	7.2	4.9	8.0	7.2	6.8	8.7	8.3	7.8	8.7	7.5	7.9	7.3	4.0	6.5	7.2	7.8	5.3	6.3	6.9
SR 7150 (SRX 7MODD)	8.0	7.2	5.1	7.7	7.2	6.8	9.0	8.7	7.8	8.7	8.2	7.8	5.3	4.3	6.8	7.0	7.5	6.7	6.1	6.9
SRX 1BPAA	9.0	6.6	5.3	6.5	7.3	6.8	8.3	8.7	8.0	9.0	7.0	7.7	5.7	5.0	6.5	8.1	6.8	6.3	6.2	6.9
SRX 7MOBB	7.7	7.1	4.6	8.2	7.5	6.7	8.3	8.3	7.5	9.0	7.8	7.9	6.3	4.3	6.8	7.1	7.8	6.3	5.8	6.8
PENNLINKS II (PST-OVN)	9.0	7.0	4.9	6.8	7.5	6.0	9.0	8.7	8.0	8.7	6.7	7.8	5.3	5.8	6.3	8.0	6.2	6.3	6.4	6.8
SR 7100	8.0	6.8	5.2	8.2	7.5	6.7	8.7	8.7	7.3	9.0	7.0	7.8	6.3	4.7	6.2	7.3	7.8	5.3	5.9	6.8
BRIGHTON (SRX 1120)	9.0	6.7	4.9	6.8	7.3	6.3	8.7	9.0	7.8	9.0	7.2	7.3	5.7	5.5	7.0	7.6	6.7	6.0	5.8	6.7
GLORY (PST-9HG)	7.7	6.8	5.0	7.3	6.8	6.0	8.7	9.0	7.5	8.3	7.7	7.8	7.3	5.5	6.2	7.0	7.0	5.7	6.1	6.7
PRINCEVILLE	9.0	6.7	5.1	6.5	7.5	6.1	9.0	9.0	8.2	9.0	6.8	7.4	5.3	6.7	5.8	7.2	6.5	6.3	5.7	6.7
SR 1119	9.0	6.7	4.8	7.2	7.3	6.3	8.7	8.7	8.0	9.0	6.8	7.7	5.0	5.0	6.7	7.7	6.5	6.7	5.6	6.7
PST-9PM	7.3	6.4	5.2	7.3	7.5	6.2	8.0	8.0	7.7	7.7	5.8	7.6	6.0	4.8	6.7	7.2	7.0	5.3	5.5	6.5
PENNEAGLE	9.0	6.8	4.6	5.7	7.5	5.9	9.0	8.3	8.0	7.7	6.2	7.2	5.7	6.2	6.5	7.3	5.5	5.7	5.3	6.4
TIGER	8.3	6.8	4.3	7.7	7.2	6.4	8.7	8.3	7.2	6.7	6.7	7.9	5.7	4.2	5.5	6.7	6.7	5.3	5.4	6.4
PENNCROSS	9.0	6.3	4.6	4.8	7.3	5.6	9.0	8.7	7.8	8.3	5.7	7.3	5.7	6.2	6.0	7.2	6.3	6.3	5.3	6.3
GOLFSTAR	5.0	6.2	3.9	7.2	7.0	5.9	8.7	8.0	7.3	7.7	6.7	7.3	5.7	4.8	5.7	7.0	5.8	5.3	4.8	6.1
SEASIDE	8.0	4.7	2.5	4.8	6.8	4.9	8.3	8.0	7.7	8.0	3.3	6.4	7.0	5.2	5.0	5.4	5.2	4.7	4.2	5.2
LSD VALUE	0.4	1.0	1.4	1.0	0.9	1.1	1.0	1.2	1.3	1.1	1.1	0.7	1.2	1.5	1.2	1.0	1.1	1.0	0.9	0.3
C.V. (%)	2.7	9.6	17.4	8.7	7.6	10.2	7.1	9.1	10.7	7.8	9.6	5.9	12.8	18.3	12.4	8.5	9.8	10.1	9.5	10.2

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

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

TABLE 15. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/					
NAME	KY1	MI1	M02	SD1	MEAN
PRINCEVILLE	83.3	92.0	81.7	87.3	89.8
PENNEAGLE	85.0	92.0	81.7	75.0	86.9
PENNCROSS	75.0	90.0	85.0	79.0	86.7
SR 1119	85.0	90.8	81.7	75.8	86.7
TIGER	84.0	86.6	80.0	88.5	85.9
IMPERIAL	90.0	91.7	78.3	69.2	85.6
SRX 1BPAA	86.7	89.6	81.7	68.3	84.7
CENTURY	85.7	88.3	78.3	72.5	84.4
GLORY (PST-9HG)	93.0	87.5	80.0	76.3	84.4
TRUELINE	76.7	92.0	76.7	67.3	84.2
BACKSPIN	75.0	88.3	78.3	77.5	84.1
ABT-COL-2	86.7	88.8	75.7	74.2	83.8
PENN G-6	93.0	90.3	80.0	61.7	83.7
PST-9PM	68.3	89.9	81.7	75.7	83.7
SEASIDE	48.3	88.7	75.0	85.8	83.6
BRIGHTON (SRX 1120)	85.0	89.9	83.3	60.8	83.6
SR 7150 (SRX 7MODD)	91.7	87.5	81.7	72.2	83.4
SRX 7MOBB	93.3	87.8	80.0	68.3	82.9
PROVIDENCE	83.3	89.6	83.3	60.8	82.8
L-93	88.3	91.2	76.0	58.3	82.7
TIGER II (CIS AT-5)	90.0	87.4	83.3	67.5	82.5
SR 7100	82.3	87.5	81.7	64.0	80.9
SEASIDE II	90.0	90.4	73.3	51.7	80.5
GRAND PRIX	66.7	88.7	75.0	60.0	80.2
PENNLINKS II (PST-OVN)	82.3	89.6	78.3	49.2	79.8
GOLFSTAR	60.0	82.1	78.3	74.7	78.1
LSD VALUE	10.6	7.9	8.8	23.6	9.0
C.V. (%)	8.0	5.9	6.8	21.7	10.0

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 16. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/							
NAME	IN1	KY1	MI1	MN1	MO2	UT1	MEAN
PRINCEVILLE	92.7	91.7	91.6	91.7	90.0	85.0	91.1
L-93	92.3	91.3	92.8	86.7	88.3	83.3	90.9
PENN G-6	95.3	80.3	92.1	92.3	86.7	83.0	90.0
GRAND PRIX	93.0	76.7	91.7	90.7	86.7	93.3	89.6
PENNCROSS	88.3	79.0	91.7	83.3	90.0	91.7	89.0
PENNEAGLE	90.0	75.0	92.8	85.0	90.0	78.3	88.0
BACKSPIN	94.7	53.3	92.8	91.7	90.0	85.0	87.0
IMPERIAL	94.7	56.7	91.7	90.0	90.0	83.3	86.9
SR 1119	89.3	61.7	92.2	90.0	91.7	76.7	86.7
TRUELINE	96.0	63.3	90.6	90.0	91.7	76.7	86.7
SEASIDE II	92.0	53.3	93.3	90.0	85.0	83.3	86.6
CENTURY	96.7	48.3	92.8	85.0	91.7	86.7	86.5
BRIGHTON (SRX 1120)	90.0	65.0	91.1	80.0	90.0	76.7	85.8
SRX 1BPAA	85.0	71.7	91.1	88.3	88.3	70.0	85.6
PROVIDENCE	94.3	51.7	90.6	83.3	90.0	86.7	85.3
PENNLINKS II (PST-0VN)	88.3	45.0	94.9	88.3	90.0	71.7	85.0
TIGER	61.7	75.0	91.7	78.3	88.3	70.0	82.4
SEASIDE	70.0	58.3	90.6	76.7	91.7	75.0	81.1
GLORY (PST-9HG)	28.0	89.7	91.7	76.7	90.0	66.7	80.0
ABT-COL-2	27.7	85.7	91.1	86.7	86.7	65.0	79.7
TIGER II (CIS AT-5)	13.3	94.7	92.8	83.3	88.3	63.3	79.3
PST-9PM	19.0	89.0	91.0	85.0	86.7	66.7	78.9
SRX 7MOBB	16.7	80.0	92.1	78.3	88.3	65.0	77.2
SR 7100	10.0	85.7	91.7	86.7	88.3	58.3	77.0
SR 7150 (SRX 7MODD)	9.3	68.3	92.2	76.7	88.3	56.7	74.2
GOLFSTAR	5.0	55.0	91.1	73.3	88.3	58.3	71.3
LSD VALUE	17.8	25.1	5.0	10.4	7.5	26.3	9.3
C.V. (%)	16.6	22.0	3.4	7.6	5.2	21.8	10.1

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 17. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/					
NAME	KY1	MI1	M01	M02	MEAN
TIGER II (CIS AT-5)	94.5	91.7	97.0	96.3	93.4
SR 7100	88.8	92.8	98.7	98.3	93.3
GLORY (PST-9HG)	91.7	90.6	99.0	99.0	92.9
ABT-COL-2	90.3	91.1	98.3	97.7	92.7
SR 7150 (SRX 7MODD)	88.7	91.7	98.7	95.3	92.5
PST-9PM	90.3	90.6	97.0	96.0	92.1
TIGER	85.7	91.7	96.0	97.7	91.7
SRX 7MOBB	87.0	91.1	97.3	96.3	91.6
PENNCROSS	78.3	92.7	99.0	99.0	90.9
PENNLINKS II (PST-OVN)	80.8	91.7	99.0	97.3	90.4
GOLFSTAR	77.8	91.7	97.7	94.7	89.3
PENNEAGLE	71.7	92.8	98.3	97.7	88.9
SRX 1BPAA	70.8	92.7	97.0	97.0	88.5
TRUELINE	71.8	91.1	98.7	99.0	88.5
SEASIDE	70.8	92.2	98.3	97.7	88.5
PROVIDENCE	72.5	90.6	99.0	99.0	88.1
CENTURY	66.7	92.8	99.0	98.7	87.6
L-93	61.7	95.4	99.0	95.7	87.6
BRIGHTON (SRX 1120)	64.5	92.8	98.7	98.0	87.4
PRINCEVILLE	67.5	92.2	97.7	97.7	87.3
SR 1119	65.0	92.2	95.0	96.7	86.5
PENN G-6	65.8	91.7	96.3	96.0	86.3
BACKSPIN	59.2	92.2	98.3	98.7	85.5
IMPERIAL	66.2	92.2	89.3	91.0	85.3
SEASIDE II	59.2	92.8	97.0	97.0	85.3
GRAND PRIX	60.0	91.7	95.0	94.0	84.5
LSD VALUE	15.7	4.4	4.2	5.4	6.0
C.V. (%)	13.1	2.9	2.7	3.4	5.8

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 18. FROST TOLERANCE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 2/ 3/

NAME	MT1
BACKSPIN	6.0
BRIGHTON (SRX 1120)	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
PENNLINKS II (PST-OVN)	6.0
PRINCEVILLE	6.0
PROVIDENCE	6.0
SEASIDE	6.0
SEASIDE II	6.0
SR 1119	6.0
SRX 1BPAA	6.0
TRUELINE	6.0
SR 7150 (SRX 7MODD)	5.3
SRX 7MOBB	4.7
TIGER II (CIS AT-5)	4.7
PST-9PM	4.3
TIGER	4.3
ABT-COL-2	4.0
GLORY (PST-9HG)	4.0
GOLFSTAR	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.

3/ FROST TOLERANCE RATED IN 1999 ONLY.

TABLE 19. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

WINTER COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	KY1	NJ1	VA1	MEAN
GLORY (PST-9HG)	8.3	6.3	3.3	6.6
PST-9PM	8.5	5.3	4.0	6.6
SR 7150 (SRX 7MODD)	8.3	5.7	3.3	6.4
SRX 7MOBB	7.8	5.0	3.3	6.0
PENNLINKS II (PST-OVN)	7.5	5.3	3.0	5.8
SR 7100	7.7	3.7	4.3	5.8
SRX 1BPAA	7.2	5.7	2.7	5.7
TIGER	8.5	2.3	3.3	5.7
GOLFSTAR	7.8	3.3	3.0	5.5
ABT-COL-2	6.7	5.3	3.0	5.4
TIGER II (CIS AT-5)	6.5	5.3	3.3	5.4
BRIGHTON (SRX 1120)	7.0	4.3	3.0	5.3
TRUELINE	6.8	4.0	3.0	5.2
BACKSPIN	6.8	3.3	2.3	4.8
PENNCROSS	6.7	3.3	2.7	4.8
PRINCEVILLE	6.5	4.0	2.3	4.8
SR 1119	6.7	4.0	2.0	4.8
IMPERIAL	7.0	3.3	1.7	4.8
PENNEAGLE	6.5	3.0	2.7	4.7
CENTURY	6.5	3.0	2.3	4.6
SEASIDE	5.8	3.7	3.0	4.6
PROVIDENCE	6.7	2.0	2.7	4.5
GRAND PRIX	6.3	2.7	2.3	4.4
L-93	6.3	2.7	2.0	4.3
PENN G-6	6.5	2.3	2.0	4.3
SEASIDE II	6.0	2.3	2.7	4.3
LSD VALUE	0.7	1.5	1.0	0.7
C.V. (%)	6.5	24.3	21.2	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.

3/ WINTER COLOR RATED AT "KY1" IN 1999 & 2001, AT "NJ1" IN 1999, AND AT "VA1" IN 2001.

TABLE 20. PERCENT WINTER KILL RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

PERCENT WINTER KILL RATINGS: LOCATIONS 2/ 3/

NAME	SD1
SEASIDE II	62.5
PROVIDENCE	50.8
PENNLINKS II (PST-OVN)	45.0
BRIGHTON (SRX 1120)	42.5
L-93	42.5
PENN G-6	41.7
SR 7100	37.5
SRX 7MOBB	37.5
TIGER II (CIS AT-5)	36.7
CENTURY	35.8
SR 7150 (SRX 7MODD)	35.0
TRUELINE	34.2
SRX 1BPAA	32.5
SR 1119	31.7
BACKSPIN	31.7
IMPERIAL	31.7
PST-9PM	29.2
GRAND PRIX	28.3
GLORY (PST-9HG)	25.0
GOLFSTAR	25.0
ABT-COL-2	24.2
PENNCROSS	22.5
PENNEAGLE	20.8
PRINCEVILLE	15.8
TIGER	10.8
SEASIDE	5.8
LSD VALUE	27.1
C.V. (%)	51.8

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

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

3/ PERCENT WINTER KILL RATED IN 2000 AND 2002.

TABLE 21. DROUGHT TOLERANCE (DORMANCY) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

DROUGHT TOLERANCE (DORMANCY) RATINGS 1-9; 9=NO DORMANCY 2/ 3/

NAME	VA1
ABT-COL-2	7.3
SEASIDE	7.3
SR 7100	7.0
GLORY (PST-9HG)	6.7
GOLFSTAR	6.7
PST-9PM	6.7
TIGER II (CIS AT-5)	6.3
PENNEAGLE	5.7
SR 7150 (SRX 7MODD)	5.7
SRX 7MOBB	5.7
TIGER	5.7
PENNLINKS II (PST-OVN)	5.0
SRX 1BPAA	5.0
BRIGHTON (SRX 1120)	4.7
CENTURY	4.7
SEASIDE II	4.7
PRINCEVILLE	4.3
SR 1119	4.3
BACKSPIN	4.0
PROVIDENCE	4.0
TRUELINE	4.0
IMPERIAL	3.3
PENNCROSS	3.3
L-93	3.0
PENN G-6	3.0
GRAND PRIX	2.7
LSD VALUE	2.2
C.V. (%)	27.3

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

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

3/ DROUGHT TOLERANCE (DORMANCY) RATED IN 2001 ONLY.

TABLE 22. DROUGHT TOLERANCE (RECOVERY) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

DROUGHT TOLERANCE (RECOVERY) RATINGS 1-9; 9=COMPLETE RECOVERY 2/ 3/

NAME	M01
BRIGHTON (SRX 1120)	3.3
PENN G-6	3.3
SR 1119	3.3
BACKSPIN	2.7
CENTURY	2.7
GLORY (PST-9HG)	2.7
PROVIDENCE	2.7
TRUELINE	2.7
ABT-COL-2	2.3
GOLFSTAR	2.3
PENNEAGLE	2.3
PRINCEVILLE	2.3
PST-9PM	2.3
SR 7150 (SRX 7MODD)	2.3
L-93	2.0
PENNCROSS	2.0
SRX 1BPAA	2.0
SRX 7MOBB	2.0
TIGER	2.0
IMPERIAL	1.7
SEASIDE	1.7
TIGER II (CIS AT-5)	1.7
GRAND PRIX	1.3
SEASIDE II	1.3
SR 7100	1.3
PENNLINKS II (PST-OVN)	1.0
LSD VALUE	2.1
C.V. (%)	58.1

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

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

3/ DROUGHT TOLERANCE (RECOVERY) RATED IN 2000 ONLY.

TABLE 23. GRAY SNOW MOLD RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/ 2/
1999-2002 DATA

GRAY SNOW MOLD RATINGS 1-9; 9=NO DISEASE 3/ 4/				
NAME	MI1	SD1	WI1	MEAN
TIGER II (CIS AT-5)	8.0	8.0	8.7	8.3
SR 7150 (SRX 7MODD)	8.0	7.7	8.7	8.3
GLORY (PST-9HG)	7.0	7.7	9.0	8.2
ABT-COL-2	8.0	7.3	8.7	8.2
PST-9PM	7.7	7.7	8.7	8.2
SRX 7MOBB	8.0	7.3	8.7	8.2
SR 7100	7.7	8.0	8.3	8.1
PENNEAGLE	8.0	4.3	9.0	7.6
PRINCEVILLE	8.0	4.3	9.0	7.6
TIGER	6.3	8.0	8.0	7.6
SRX 1BPAA	8.0	3.3	9.0	7.3
SR 1119	7.0	5.0	8.7	7.3
PENN G-6	8.0	3.0	9.0	7.3
PENNCROSS	7.0	4.0	9.0	7.3
SEASIDE	5.7	5.3	9.0	7.3
TRUELINE	7.3	3.7	9.0	7.3
BRIGHTON (SRX 1120)	8.0	2.7	8.7	7.0
BACKSPIN	6.0	4.3	8.3	6.8
IMPERIAL	6.0	3.7	8.7	6.8
PENNLINKS II (PST-OVN)	8.0	1.0	9.0	6.8
SEASIDE II	6.3	2.7	9.0	6.8
GOLFSTAR	4.3	8.0	7.0	6.6
L-93	7.0	2.0	8.7	6.6
CENTURY	6.0	3.3	8.0	6.3
GRAND PRIX	5.7	2.7	8.3	6.3
PROVIDENCE	6.0	2.3	8.3	6.3
LSD VALUE	2.3	1.9	0.8	1.2
C.V. (%)	20.6	24.6	5.7	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.
- 3/ GRAY SNOW MOLD RATED AT "MI1" & AT "SD1" IN 2001, AND AT "WI1" IN 2000.
- 4/ GRAY SNOW MOLD CAUSED BY TYPHULA INCARNATA AT "WI1".

TABLE 24. MICRODOCHIUM PATCH RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

MICRODOCHIUM PATCH RATINGS 1-9; 9=NO DISEASE 2/ 3/				
NAME	MN1	WA1	WA4	MEAN
TIGER II (CIS AT-5)	9.0	6.3	3.7	6.3
SRX 7MOBB	8.3	5.7	4.7	6.2
SR 7150 (SRX 7MODD)	8.7	5.3	4.0	6.0
PST-9PM	8.3	5.7	3.0	5.7
GLORY (PST-9HG)	7.7	6.7	2.0	5.4
GOLFSTAR	7.3	6.0	2.7	5.3
TIGER	6.0	5.3	4.0	5.1
SR 7100	6.3	6.3	2.0	4.9
ABT-COL-2	5.3	5.0	3.3	4.6
SR 1119	6.0	5.0	2.3	4.4
SRX 1BPAA	4.7	5.0	3.0	4.2
TRUELINE	6.0	4.3	2.3	4.2
L-93	5.0	4.7	2.7	4.1
PENN G-6	4.3	5.7	2.0	4.0
PENNEAGLE	5.0	5.0	1.7	3.9
PRINCEVILLE	5.3	4.3	2.0	3.9
SEASIDE II	4.0	4.3	3.3	3.9
PENNLINKS II (PST-OVN)	4.3	3.7	3.3	3.8
BRIGHTON (SRX 1120)	3.7	5.0	2.7	3.8
CENTURY	3.3	5.3	2.3	3.7
PROVIDENCE	5.3	3.3	2.3	3.7
GRAND PRIX	4.0	4.3	2.7	3.7
BACKSPIN	4.7	4.3	1.7	3.6
PENNCROSS	3.3	4.7	2.7	3.6
SEASIDE	5.3	3.7	1.3	3.4
IMPERIAL	3.3	4.0	2.7	3.3
LSD VALUE	2.6	1.8	1.5	2.0
C.V. (%)	28.9	22.1	35.5	28.8

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

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

3/ MICRODOCHIUM PATCH RATED AT "MN1" IN 2001, AT "WA1" IN 2000, AND AT "WA4" IN 1999.

TABLE 25.

DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/ 2/
1999-2002 DATA

NAME	DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 3/ 4/										
	IL1	IN1	KS1	MI1	NJ1	PA1	RI1	RI2	VA1	WI1	MEAN
TIGER II (CIS AT-5)	8.0	9.0	6.0	6.2	8.9	8.4	8.0	7.3	6.7	4.7	7.5
GLORY (PST-9HG)	7.3	9.0	6.3	6.0	7.9	8.1	9.0	6.7	6.8	5.7	7.4
SRX 7MOBB	8.0	9.0	6.7	5.2	8.7	8.1	7.7	7.7	5.7	5.5	7.3
GOLFSTAR	8.3	9.0	7.3	6.3	8.3	8.8	8.0	3.0	6.0	4.2	7.3
SR 7150 (SRX 7MODD)	8.0	9.0	7.0	6.5	8.3	8.1	7.7	7.0	5.7	4.8	7.3
TIGER	7.7	9.0	6.7	6.5	8.6	8.1	8.7	8.7	5.2	4.3	7.3
SR 7100	8.0	9.0	6.3	6.3	8.4	8.1	7.0	6.7	6.0	5.0	7.2
ABT-COL-2	6.7	7.3	5.7	6.0	8.4	8.1	9.0	8.7	5.3	5.5	7.2
PST-9PM	7.7	9.0	6.3	6.3	6.8	8.3	9.0	7.3	6.5	4.8	6.9
L-93	6.0	8.3	7.7	6.8	6.3	7.4	8.0	6.7	5.5	4.5	6.6
PENNLINKS II (PST-OVN)	6.3	9.0	7.0	5.5	7.0	7.7	6.7	6.0	5.8	4.5	6.5
SEASIDE II	5.3	9.0	7.3	6.7	6.4	7.4	6.7	5.3	5.2	4.3	6.4
SEASIDE	7.0	9.0	6.0	6.0	6.4	7.6	7.0	3.3	5.2	4.5	6.2
TRUELINE	5.3	8.3	6.7	6.0	6.1	7.3	7.7	7.0	4.5	4.2	6.1
PENNCROSS	3.7	9.0	5.7	6.2	6.3	6.0	7.7	6.0	5.2	4.8	6.1
SRX 1BPAA	4.0	9.0	6.3	6.2	5.6	7.2	6.7	3.3	6.0	4.2	5.9
PENN G-6	5.7	9.0	6.0	6.3	5.8	6.9	8.0	4.3	4.7	4.7	5.9
SR 1119	3.7	8.3	5.0	6.0	5.3	6.4	7.7	3.3	5.2	5.0	5.7
PENNEAGLE	5.0	7.7	5.7	6.5	5.9	6.7	6.7	4.0	4.8	4.3	5.7
PRINCEVILLE	5.7	8.3	5.0	5.2	5.1	5.7	7.3	3.7	5.7	5.5	5.5
BRIGHTON (SRX 1120)	3.3	9.0	5.0	6.2	4.8	5.7	6.0	2.7	4.7	4.7	5.1
GRAND PRIX	4.0	7.0	6.0	6.2	3.8	6.0	8.3	3.7	5.0	4.0	5.1
IMPERIAL	3.0	7.0	4.0	4.8	4.1	5.4	8.3	5.0	5.0	5.5	5.0
BACKSPIN	3.7	7.0	3.7	6.3	4.0	5.1	7.0	2.3	4.0	4.7	4.7
PROVIDENCE	3.7	8.3	4.0	5.5	2.7	5.7	6.0	2.0	4.3	5.0	4.5
CENTURY	3.3	7.3	4.7	4.8	3.2	4.8	5.7	2.0	3.7	6.0	4.4
LSD VALUE	1.4	1.7	2.5	2.0	1.6	1.3	0.8	1.0	1.6	1.5	0.8
C.V. (%)	15.1	12.6	26.5	19.9	16.3	11.8	6.2	11.9	20.3	31.3	16.6

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.

3/ DOLLAR SPOT RATED AT "IL1", "IN1", "RI1" & "RI2" IN 2000, AT "KS1" IN 1999, AT "MI1" IN 2000 & 2002, AT "NJ1" IN 2000-02, AT "PA1" IN 1999 & 2001-02, AND AT "VA1" & "WI1" IN 1999 & 2002.

4/ DOLLAR SPOT CAUSED BY SCLEROTINIA HOMOEOCARPA AT "NJ1", "PA1" AND "WI1" IN 2000-02.

TABLE 26. BROWN PATCH (WARM TEMPERATURE) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/ 2/
1999-2002 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 3/ 4/

NAME	MN1	NJ1	PA1	VA1	MEAN
PENNCROSS	8.0	9.0	8.8	8.0	8.5
PENN G-6	9.0	9.0	8.6	8.0	8.4
SRX 1BPAA	9.0	9.0	8.8	7.3	8.4
BACKSPIN	8.3	9.0	8.6	7.7	8.3
BRIGHTON (SRX 1120)	9.0	8.5	8.6	7.7	8.2
GRAND PRIX	9.0	8.3	8.6	7.7	8.2
CENTURY	9.0	9.0	8.6	7.0	8.2
L-93	8.0	9.0	8.4	7.7	8.2
IMPERIAL	8.0	8.7	8.7	7.0	8.1
SR 1119	7.3	9.0	8.6	6.7	7.9
TRUELINE	8.0	8.7	8.7	6.3	7.9
PROVIDENCE	9.0	7.7	8.7	6.7	7.8
PENNEAGLE	7.7	9.0	8.3	6.7	7.8
SEASIDE II	9.0	8.3	8.4	6.3	7.8
PRINCEVILLE	8.3	8.2	8.2	6.7	7.6
PENNLINKS II (PST-OVN)	7.3	9.0	8.6	5.0	7.6
SEASIDE	8.3	8.2	7.4	6.3	7.2
GOLFSTAR	8.7	6.0	7.0	6.3	6.6
TIGER II (CIS AT-5)	9.0	6.3	7.4	3.3	6.1
TIGER	8.0	3.2	5.8	6.3	5.4
GLORY (PST-9HG)	7.7	4.7	5.8	4.7	5.3
SR 7100	6.7	5.0	5.8	5.0	5.3
PST-9PM	9.0	5.7	5.7	3.7	5.2
SR 7150 (SRX 7MODD)	8.3	4.5	5.7	4.3	5.1
SRX 7MOBB	9.0	2.8	5.6	4.7	5.0
ABT-COL-2	7.0	3.2	4.8	6.0	4.8
LSD VALUE	1.9	1.9	1.0	2.3	1.4
C.V. (%)	14.3	16.3	8.3	22.4	15.1

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ BROWN PATCH (WARM TEMPERATURE) RATED AT "MN1" IN 2001, AT "NJ1" IN 2000-01, AT "PA1" IN 1999-2001, AND AT "VA1" IN 2002.
- 4/ BROWN PATCH CAUSED BY RHIZOCTONIA SOLANI AT "PA1" AND "NJ1" IN 2000-01.

TABLE 27. PINK SNOW MOLD RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

NAME	PINK SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/ 3/			MEAN
	UT1	WA1	WA4	
TIGER II (CIS AT-5)	3.3	7.0	6.3	6.5
GLORY (PST-9HG)	4.0	6.7	6.7	6.2
SR 7100	4.0	5.3	7.7	6.1
TIGER	3.3	6.7	6.3	6.1
SRX 7MOBB	5.0	6.2	6.0	5.9
PENN G-6	3.3	5.0	8.7	5.6
SR 7150 (SRX 7MODD)	3.3	5.5	6.3	5.4
PENNLINKS II (PST-OVN)	2.3	5.3	8.0	5.4
BACKSPIN	3.7	5.3	8.0	5.3
PENNEAGLE	4.7	3.8	8.7	5.2
ABT-COL-2	4.7	5.0	7.0	5.1
GOLFSTAR	4.3	4.0	7.7	4.8
PENNCROSS	3.7	4.3	8.0	4.7
PROVIDENCE	2.3	4.3	7.3	4.7
CENTURY	3.0	4.2	7.7	4.6
SR 1119	3.7	5.0	5.7	4.6
PST-9PM	3.3	3.7	7.7	4.5
SRX 1BPAA	3.0	4.2	6.0	4.4
L-93	3.7	4.5	7.7	4.4
PRINCEVILLE	3.0	3.3	7.7	4.2
GRAND PRIX	2.3	4.3	6.7	4.2
TRUELINE	3.0	4.0	7.7	4.1
BRIGHTON (SRX 1120)	2.7	3.5	8.3	4.0
IMPERIAL	3.0	3.8	7.3	3.8
SEASIDE	2.7	2.7	7.7	3.7
SEASIDE II	3.0	2.7	6.3	3.4
LSD VALUE	2.0	3.6	1.7	2.6
C.V. (%)	36.8	48.2	14.7	40.7

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

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

3/ PINK SNOW MOLD RATED AT "UT1" & "WA4" IN 2001, AT "WA1" IN 2001-02.

TABLE 28. FALL COLOR (OCTOBER) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	KY1	SD1	MEAN
PST-9PM	7.7	7.7	7.7
GOLFSTAR	7.0	7.0	7.0
SR 7150 (SRX 7MODD)	7.0	6.7	6.8
TIGER	7.0	6.3	6.7
SRX 7MOBB	7.3	5.7	6.5
TRUELINE	6.7	6.3	6.5
L-93	6.7	6.0	6.3
BRIGHTON (SRX 1120)	6.3	6.3	6.3
PENNEAGLE	6.3	6.3	6.3
SR 1119	6.3	6.3	6.3
PROVIDENCE	6.3	6.0	6.2
IMPERIAL	6.7	5.3	6.0
SRX 1BPAA	6.0	6.0	6.0
BACKSPIN	6.7	5.0	5.8
GLORY (PST-9HG)	6.0	5.7	5.8
PENN G-6	6.0	5.7	5.8
PENNCROSS	6.3	5.3	5.8
TIGER II (CIS AT-5)	6.3	5.3	5.8
CENTURY	6.7	4.7	5.7
ABT-COL-2	6.3	5.0	5.7
PRINCEVILLE	6.3	5.0	5.7
GRAND PRIX	6.0	5.0	5.5
PENNLINKS II (PST-OVN)	6.0	5.0	5.5
SEASIDE II	5.7	5.0	5.3
SEASIDE	5.3	4.3	4.8
SR 7100	5.0	4.3	4.7
LSD VALUE	1.0	1.4	1.2
C.V. (%)	9.6	14.8	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.

3/ FALL COLOR (OCTOBER) RATED AT "KY1" IN 2000, AND AT "SD1" IN 2002.

TABLE 29. POA ANNUA RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/

NAME	NY1
SEASIDE	4.3
GLORY (PST-9HG)	3.7
PENNLINKS II (PST-0VN)	3.7
SR 7150 (SRX 7MODD)	3.7
GOLFSTAR	3.3
ABT-COL-2	3.0
PENNEAGLE	3.0
PST-9PM	3.0
TIGER	3.0
BRIGHTON (SRX 1120)	2.7
PENN G-6	2.7
PRINCEVILLE	2.3
PROVIDENCE	2.3
SRX 7MOBB	2.3
IMPERIAL	2.0
SEASIDE II	2.0
SRX 1BPAA	2.0
TIGER II (CIS AT-5)	2.0
BACKSPIN	1.7
L-93	1.7
SR 7100	1.7
TRUELINE	1.7
CENTURY	1.3
PENNCROSS	1.3
SR 1119	1.3
GRAND PRIX	1.0
LSD VALUE	1.7
C.V. (%)	43.6

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.

3/ POA ANNUA RATED IN 2000 ONLY.

TABLE 30. PERCENT POA ANNUA RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/ 2/
1999-2002 DATA 3/

NAME	IN1	KY1	MEAN
TIGER	40.0	12.3	26.2
TIGER II (CIS AT-5)	38.3	3.3	20.8
GOLFSTAR	25.0	15.7	20.3
PST-9PM	28.3	11.3	19.8
SR 7150 (SRX 7MODD)	33.3	2.3	17.8
SEASIDE	20.0	15.3	17.7
SRX 7MOBB	30.0	4.3	17.2
SR 7100	26.7	3.7	15.2
ABT-COL-2	20.0	8.0	14.0
GLORY (PST-9HG)	21.7	3.7	12.7
PENNLINKS II (PST-OVN)	6.7	12.7	9.7
PENNCROSS	3.3	13.7	8.5
BRIGHTON (SRX 1120)	8.3	7.7	8.0
SRX 1BPAA	8.3	5.3	6.8
PROVIDENCE	4.3	9.0	6.7
PENNEAGLE	4.0	5.0	4.5
CENTURY	3.0	5.0	4.0
PRINCEVILLE	4.7	3.3	4.0
TRUELINE	4.0	3.3	3.7
GRAND PRIX	1.7	5.3	3.5
SR 1119	2.3	4.3	3.3
SEASIDE II	2.3	3.7	3.0
IMPERIAL	3.7	1.7	2.7
PENN G-6	5.0	0.3	2.7
L-93	2.3	0.7	1.5
BACKSPIN	1.3	1.0	1.2
LSD VALUE	14.7	5.9	7.9
C.V. (%)	68.3	58.8	71.0

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

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

3/ PERCENT POA ANNUA RATED IN 2001 ONLY.

TABLE 31. PERCENT DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/ 2/
1999-2002 DATA 3/ 4/

NAME	KY1	NY1	MEAN
CENTURY	43.5	43.3	43.4
IMPERIAL	35.5	53.3	41.4
BACKSPIN	26.5	50.0	34.3
PROVIDENCE	32.0	33.3	32.4
GRAND PRIX	29.2	33.3	30.6
SR 1119	28.5	33.3	30.1
PENNEAGLE	24.5	33.3	27.4
SEASIDE	25.8	18.3	23.3
PENNCROSS	26.2	10.7	21.0
PENN G-6	19.8	16.7	18.8
BRIGHTON (SRX 1120)	15.0	23.3	17.8
SEASIDE II	14.2	23.3	17.2
PRINCEVILLE	20.0	10.7	16.9
SRX 1BPAA	13.8	21.7	16.4
PENNLINKS II (PST-OVN)	12.7	21.7	15.7
TRUELINE	11.7	21.7	15.0
ABT-COL-2	0.5	36.7	12.6
SR 7150 (SRX 7MODD)	0.0	30.0	10.0
GLORY (PST-9HG)	1.0	26.7	9.6
L-93	7.8	7.0	7.6
TIGER	0.8	14.0	5.2
GOLFSTAR	5.0	5.3	5.1
SRX 7MOBB	1.2	6.7	3.0
PST-9PM	0.2	8.3	2.9
TIGER II (CIS AT-5)	0.3	7.3	2.7
SR 7100	0.3	4.3	1.7
LSD VALUE	13.6	22.4	16.5
C.V. (%)	54.3	60.8	56.5

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ PERCENT DOLLAR SPOT RATED AT "KY1" IN 1999 & 2001, AND AT "NY1" IN 2000.
- 4/ DOLLAR SPOT CAUSED BY SCLEROTINIA HOMOEOCARPA AT "KY1".

TABLE 32. SNOW MOLD COMPLEX RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/ 2/
1999-2002 DATA

SNOW MOLD COMPLEX RATINGS 1-9; 9=NO DISEASE 3/ 4/

NAME	UT1	WI1	MEAN
SR 7100	5.7	6.0	5.8
SRX 7MOBB	5.7	5.7	5.7
GLORY (PST-9HG)	6.3	3.7	5.0
TIGER II (CIS AT-5)	5.0	5.0	5.0
ABT-COL-2	5.0	4.7	4.8
SR 7150 (SRX 7MODD)	4.7	5.0	4.8
GOLFSTAR	5.7	3.7	4.7
TIGER	5.3	4.0	4.7
PENNCROSS	4.7	4.0	4.3
PST-9PM	3.7	4.7	4.2
L-93	3.3	3.7	3.5
SRX 1BPAA	3.7	3.3	3.5
PENNEAGLE	3.3	3.3	3.3
PENNLINKS II (PST-OVN)	3.0	3.7	3.3
BRIGHTON (SRX 1120)	3.0	3.3	3.2
GRAND PRIX	3.3	3.0	3.2
SR 1119	3.3	3.0	3.2
TRUELINE	3.3	3.0	3.2
SEASIDE	3.7	2.7	3.2
CENTURY	2.7	3.3	3.0
PENN G-6	3.0	3.0	3.0
PROVIDENCE	2.3	3.3	2.8
SEASIDE II	2.3	3.3	2.8
BACKSPIN	2.7	3.0	2.8
IMPERIAL	2.7	3.0	2.8
PRINCEVILLE	3.7	2.0	2.8
LSD VALUE	1.9	1.9	1.9
C.V. (%)	31.1	31.2	31.1

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

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

3/ SNOW MOLD COMPLEX RATED AT "UT1" IN 2002, AND AT "WI1" IN 2001.

4/ SNOW MOLD COMPLEX CAUSED BY MICRODOCHIUM NIVALE AND TYPHULA INCARNATA AT "UT1".

TABLE 33. SCALPING RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

SCALPING RATINGS 1-9; 9=NONE 2/ 3/

NAME	SD1
ABT-COL-2	9.0
GLORY (PST-9HG)	9.0
GOLFSTAR	9.0
PST-9PM	9.0
SEASIDE	9.0
SR 7100	9.0
SRX 7MOBB	9.0
SR 7150 (SRX 7MODD)	8.7
TIGER	8.7
GRAND PRIX	8.0
PRINCEVILLE	8.0
TIGER II (CIS AT-5)	7.7
TRUELINE	7.7
L-93	7.3
PENN G-6	7.0
PENNEAGLE	7.0
BACKSPIN	6.7
BRIGHTON (SRX 1120)	6.7
PENNCROSS	6.3
SR 1119	6.3
CENTURY	6.0
IMPERIAL	6.0
SRX 1BPAA	5.3
PENNLINKS II (PST-OVN)	4.7
PROVIDENCE	4.3
SEASIDE II	4.0
LSD VALUE	2.3
C.V. (%)	19.6

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.

3/ SCALPING RATED IN 2002 ONLY.

TABLE 34. COLOR (FEBRUARY) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
1999-2002 DATA

COLOR RATINGS 1-9; 9=COMPLETE GREEN 2/ 3/

NAME	VA1
SR 7150 (SRX 7MODD)	6.0
TIGER II (CIS AT-5)	6.0
GLORY (PST-9HG)	5.7
PROVIDENCE	5.7
SR 7100	5.7
ABT-COL-2	5.3
SRX 7MOBB	5.3
BRIGHTON (SRX 1120)	5.0
PENNLINKS II (PST-OVN)	5.0
PST-9PM	5.0
TIGER	5.0
GRAND PRIX	4.7
SR 1119	4.7
GOLFSTAR	4.3
IMPERIAL	4.3
PRINCEVILLE	4.3
SRX 1BPAA	4.0
BACKSPIN	3.7
CENTURY	3.7
L-93	3.7
PENNEAGLE	3.7
SEASIDE	3.7
SEASIDE II	3.3
TRUELINE	3.3
PENN G-6	3.0
PENNCROSS	3.0
LSD VALUE	1.5
C.V. (%)	20.3

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

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

3/ COLOR (FEBRUARY) RATED IN 2000 ONLY.

TABLE 35. PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/ 2/
1999-2002 DATA

NAME	CO1	IA1	IL1	KS1	MA1	VA1	WI1	MEAN
CENTURY	73.3	78.3	93.3	88.3	58.3	70.0	73.3	76.4
PENN G-6	70.0	70.0	90.0	90.0	58.3	70.0	77.3	75.1
PENNCROSS	76.7	65.0	95.0	91.7	58.3	56.7	73.3	73.8
IMPERIAL	83.3	68.3	95.0	86.7	55.0	60.0	68.3	73.8
GRAND PRIX	75.0	66.7	93.3	88.3	55.0	56.7	80.0	73.6
SEASIDE	75.0	58.3	73.3	93.3	60.0	80.0	70.0	72.9
TRUELINE	73.3	71.7	94.7	83.3	71.7	46.7	68.3	72.8
PENNEAGLE	75.0	76.7	91.7	85.0	58.3	63.3	55.0	72.1
PRINCEVILLE	65.0	63.3	81.7	88.3	60.0	63.3	83.3	72.1
BACKSPIN	75.0	78.3	86.3	85.0	58.3	53.3	68.3	72.1
PROVIDENCE	81.7	70.0	88.3	86.7	60.0	50.0	63.3	71.4
L-93	78.3	58.3	89.7	86.7	58.3	53.3	74.0	71.2
SR 1119	76.7	73.3	91.7	80.0	43.3	70.0	60.0	70.7
SEASIDE II	76.7	66.7	85.0	88.3	46.7	60.0	65.0	69.8
PENNLINKS II (PST-OVN)	81.7	63.3	85.0	90.0	56.7	50.0	58.3	69.3
TIGER	68.3	63.3	83.3	78.3	58.3	60.0	61.7	67.6
SRX 1BPAA	76.7	61.7	88.3	83.3	40.0	56.7	58.3	66.4
BRIGHTON (SRX 1120)	76.7	58.3	90.0	86.7	38.3	60.0	51.7	66.0
TIGER II (CIS AT-5)	63.3	50.0	81.7	81.7	50.0	56.7	56.7	62.9
SRX 7MOBB	66.7	55.0	80.0	83.3	51.7	50.0	41.7	61.2
GLORY (PST-9HG)	56.7	65.0	76.7	73.3	38.3	53.3	58.3	60.2
ABT-COL-2	66.7	56.7	81.7	75.0	41.7	53.3	41.7	59.5
SR 7100	73.3	50.0	70.0	60.0	53.3	60.0	50.0	59.5
GOLFSTAR	50.0	58.3	71.7	58.3	53.3	56.7	61.7	58.6
PST-9PM	71.7	53.3	71.7	70.0	33.3	50.0	40.0	55.7
SR 7150 (SRX 7MODD)	53.3	45.0	81.7	71.7	40.0	50.0	35.0	53.8
LSD VALUE	8.2	19.9	11.2	16.8	24.0	13.4	16.4	6.2
C.V. (%)	7.2	19.5	8.2	12.7	28.6	14.3	16.7	15.1

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 36. ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE AT MEAD, NE 1/
1999-2002 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
BRIGHTON (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
TIGER II (CIS-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
PENNLINKS II (PST-0VN)	3.3	5.7	8.3	5.8
PENNEAGLE	3.3	5.7	8.0	5.7
GLORY (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
SR 7150 (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 37. ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE AT LOGAN, UT 1/
1999-2002 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
TIGER II (CIS-AT-5)	4.3	5.7	5.0
TIGER	4.3	5.7	5.0
BRIGHTON (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
GLORY (PST-9HG)	3.7	5.7	4.7
PST-9PM	3.7	5.7	4.7
GOLFSTAR	3.7	5.0	4.3
PENNLINKS II (PST-OVN)	3.3	4.7	4.0
SR 7100	3.3	4.7	4.0
SR 7150 (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 38. PERCENT PYTHIUM BLIGHT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE 2/ 3/
1999-2002 DATA

NAME	RI2
TIGER	91.7
ABT-COL-2	90.0
SR 7100	90.0
TIGER II (CIS-AT-5)	86.7
SRX 7MOBB	86.7
SR 7150 (SRX 7MODD)	83.3
GLORY (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
PENNLINKS II (PST-OVN)	51.7
SR 1119	51.7
SRX 1BPAA	35.0
BRIGHTON (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.

3/ PERCENT PYTHIUM BLIGHT RATED IN 1999 ONLY.

TABLE 39.

QUALITY AND DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE AT NORTH BRUNSWICK, NJ 1/
1999-2002 DATA

TURFGRASS QUALITY AND DOLLAR SPOT RATINGS 1-9; 9=IDEAL TURF 2/ 3/ 4/

NAME	PREVENTATIVE FUNGICIDE USE DOLLAR SPOT RATINGS		REDUCED FUNGICIDE USE DOLLAR SPOT RATINGS			PREVENTATIVE FUNGICIDE USE QUALITY RATINGS		REDUCED FUNGICIDE USE QUALITY RATINGS		QUALITY MEAN
	SEPTEMBER	OCTOBER	AUGUST	SEPTEMBER	OCTOBER	AUGUST	SEPTEMBER	AUGUST	SEPTEMBER	
L-93	8.3	7.0	9.0	5.0	4.3	7.0	7.7	6.3	4.0	6.3
PENNLINKS II (PST-OVN)	8.0	6.0	8.7	4.7	3.0	7.0	7.0	6.3	3.7	6.0
SR 7150 (SRX 7MODD)	9.0	8.3	9.0	7.7	6.3	6.3	7.3	3.0	6.7	5.8
TIGER II (CIS AT-5)	9.0	9.0	9.0	8.0	7.0	5.3	8.3	3.7	5.3	5.7
ABT-COL-2	9.0	8.3	9.0	8.7	7.0	5.0	7.0	2.3	7.3	5.4
PENN G-6	6.7	5.0	7.7	3.3	3.3	7.0	6.0	5.3	3.3	5.4
SRX 7MOBB	9.0	8.3	9.0	8.7	6.7	5.7	7.3	2.3	5.3	5.2
SRX 1BPAA	7.0	5.3	8.0	2.3	2.3	6.7	6.3	4.7	2.7	5.1
GLORY (PST-9HG)	9.0	7.7	9.0	6.0	5.7	4.7	6.3	3.7	4.3	4.8
SEASIDE II	8.0	6.7	8.3	3.7	3.7	5.7	5.7	4.7	3.3	4.8
SR 7100	9.0	7.7	9.0	7.3	6.3	5.0	6.3	3.0	5.0	4.8
TIGER	9.0	8.0	9.0	7.7	6.0	5.3	6.0	3.3	4.7	4.8
GOLFSTAR	9.0	6.7	9.0	6.7	5.3	5.0	5.7	3.7	4.0	4.6
TRUELINE	6.7	4.7	7.7	3.0	2.0	5.7	5.3	4.3	3.0	4.6
IMPERIAL	4.3	3.3	6.7	3.3	3.7	6.7	4.0	4.3	3.0	4.5
PRINCEVILLE	6.0	4.0	9.0	3.0	2.7	5.3	5.0	5.0	2.7	4.5
BRIGHTON (SRX 1120)	5.3	4.3	8.3	1.3	1.3	6.0	5.0	4.7	1.7	4.3
PROVIDENCE	4.0	3.7	5.7	4.7	4.3	5.7	4.0	3.0	4.3	4.3
GRAND PRIX	3.7	3.7	6.7	2.3	3.7	6.7	3.7	4.0	2.3	4.2
PST-9PM	8.7	7.0	9.0	5.7	4.3	4.7	5.7	2.7	3.3	4.1
SR 1119	4.3	3.3	5.7	2.3	3.0	6.0	4.0	3.7	2.3	4.0
PENNEAGLE	7.7	5.0	8.3	4.0	3.3	4.0	4.7	3.0	3.0	3.7
BACKSPIN	3.0	2.3	6.0	3.0	4.3	5.7	2.7	3.3	2.3	3.5
CENTURY	2.3	3.0	3.3	2.7	3.0	5.3	2.3	2.3	2.0	3.0
PENNCROSS	4.7	3.3	8.3	2.0	1.7	3.7	3.0	3.0	1.0	2.7
SEASIDE	7.3	5.3	9.0	4.0	2.7	2.7	2.0	2.0	1.7	2.1
LSD VALUE	1.2	1.2	2.4	1.6	1.7	1.2	1.4	1.4	1.6	0.9
CC.V. (%)	12.1	14.4	17.3	22.6	26.5	13.5	17.6	23.0	28.9	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.

3/ QUALITY AND DOLLAR SPOT RATED IN 2000 ONLY.

4/ DOLLAR SPOT CAUSED BY SCLEROTINIA HOMOEOCARPA.

TABLE 40. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
AT ITHACA, NY
1999-2002 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	JUNE	SEPTEMBER	MEAN
GLORY (PST-9HG)	9.0	9.0	9.0
L-93	9.0	9.0	9.0
PST-9PM	9.0	9.0	9.0
ABT-COL-2	8.3	9.0	8.7
SEASIDE	8.3	9.0	8.7
SR 7150 (SRX 7MODD)	8.3	9.0	8.7
TIGER	8.7	8.7	8.7
TRUELINE	8.7	8.7	8.7
GOLFSTAR	8.3	8.7	8.5
PENNEAGLE	8.0	9.0	8.5
SEASIDE II	8.3	8.7	8.5
SR 7100	8.0	9.0	8.5
SRX 7MOBB	8.3	8.7	8.5
TIGER II (CIS AT-5)	8.3	8.7	8.5
PENN G-6	8.0	8.7	8.3
PRINCEVILLE	8.3	8.3	8.3
PROVIDENCE	8.0	8.7	8.3
PENNLINKS II (PST-OVN)	7.7	9.0	8.3
SR 1119	7.7	8.7	8.2
IMPERIAL	7.3	8.7	8.0
PENNCROSS	7.7	8.3	8.0
SRX 1BPAA	7.3	8.7	8.0
BRIGHTON (SRX 1120)	8.0	7.7	7.8
BACKSPIN	7.0	8.3	7.7
GRAND PRIX	6.3	8.3	7.3
CENTURY	6.0	7.3	6.7
LSD VALUE	1.1	1.7	0.9
C.V. (%)	7.9	7.1	5.9

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

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

3/ DOLLAR SPOT RATED IN 2001 ONLY.

TABLE 41. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE AT MADISON, WI 1/
1999-2002 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/ 4/

NAME	JULY	AUGUST	MEAN
TIGER	5.0	8.7	6.8
GOLFSTAR	5.0	8.3	6.7
GLORY (PST-9HG)	5.0	8.0	6.5
SR 7100	5.0	8.0	6.5
SR 7150 (SRX 7MODD)	5.0	8.0	6.5
PENNLINKS II (PST-OVN)	5.0	7.7	6.3
PST-9PM	5.0	7.7	6.3
SEASIDE	5.0	7.7	6.3
SRX 7MOBB	4.7	8.0	6.3
TIGER II (CIS AT-5)	4.7	8.0	6.3
ABT-COL-2	4.3	7.7	6.0
L-93	5.0	7.0	6.0
SEASIDE II	4.7	6.7	5.7
PENN G-6	4.7	6.3	5.5
TRUELINE	4.7	6.0	5.3
BRIGHTON (SRX 1120)	4.3	6.0	5.2
PENNCROSS	4.7	5.7	5.2
PENNEAGLE	4.7	5.7	5.2
SR 1119	4.3	6.0	5.2
SRX 1BPAA	4.0	5.7	4.8
PRINCEVILLE	4.0	5.3	4.7
PROVIDENCE	4.0	5.3	4.7
IMPERIAL	3.7	5.0	4.3
GRAND PRIX	3.7	4.7	4.2
BACKSPIN	3.3	4.7	4.0
CENTURY	3.0	4.3	3.7
LSD VALUE	0.8	1.0	0.8
C.V. (%)	10.7	9.8	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.

3/ DOLLAR SPOT RATED IN 2000 ONLY.

4/ DOLLAR SPOT CAUSED BY SCLEROTINIA HOMOEOCARPA.

TABLE 42. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE AT UNIVERSITY PARK, PA 1/
1999-2002 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/ 4/

NAME	JUNE	SEPTEMBER	MEAN
GOLFSTAR	9.0	9.0	9.0
PST-9PM	9.0	9.0	9.0
SEASIDE	9.0	9.0	9.0
SR 7100	9.0	9.0	9.0
SRX 7MOBB	9.0	9.0	9.0
ABT-COL-2	9.0	8.7	8.8
GLORY (PST-9HG)	9.0	8.7	8.8
SR 7150 (SRX 7MODD)	9.0	8.7	8.8
TIGER	9.0	8.7	8.8
TIGER II (CIS AT-5)	9.0	8.7	8.8
PENNLINKS II (PST-OVN)	9.0	8.3	8.7
SEASIDE II	9.0	8.3	8.7
L-93	9.0	8.0	8.5
PENN G-6	8.7	7.0	7.8
PENNEAGLE	8.3	7.3	7.8
TRUELINE	8.0	7.3	7.7
PENNCROSS	8.0	7.0	7.5
SRX 1BPAA	7.7	7.3	7.5
PRINCEVILLE	8.0	6.7	7.3
GRAND PRIX	7.7	6.7	7.2
PROVIDENCE	7.7	6.3	7.0
SR 1119	7.7	6.3	7.0
BRIGHTON (SRX 1120)	7.3	6.0	6.7
IMPERIAL	7.0	6.0	6.5
BACKSPIN	6.7	5.3	6.0
CENTURY	5.3	4.3	4.8
LSD VALUE	0.6	0.9	0.7
C.V. (%)	4.9	8.2	5.7

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

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

3/ DOLLAR SPOT RATED IN 2000 ONLY.

4/ DOLLAR SPOT CAUSED BY SCLEROTINIA HOMOEOCARPA.

TABLE 43. DOLLAR SPOT COUNTS OF BENTGRASS CULTIVARS 1/ 2/
GROWN ON A FAIRWAY OR TEE AT MANHATTAN, KS 3/
1999-2002 DATA

NAME	JULY	AUGUST	SEPTEMBER	MEAN
CENTURY	18.3	4.7	4.7	9.2
BRIGHTON (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
SR 7150 (SRX 7MODD)	0.0	9.0	7.0	5.3
TIGER	1.7	7.7	6.7	5.3
PENNLINKS II (PST-OVN)	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
GLORY (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
TIGER II (CIS-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.

3/ DOLLAR SPOT COUNTED IN 1999 ONLY.

4/ COUNTS REPRESENT AVERAGE NUMBER OF DOLLAR SPOT INFECTION CENTERS PER PLOT.

TABLE 44. PERCENT POA ANNUA RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A FAIRWAY OR TEE AT WEST LAFAYETTE, IN 2/ 3/
 1999-2002 DATA

NAME	JUNE	JULY	MEAN
TIGER	56.7	43.3	50.0
GOLFSTAR	53.3	36.7	45.0
GLORY (PST-9HG)	46.7	35.0	40.8
SRX 7MOBB	43.3	38.3	40.8
TIGER II (CIS AT-5)	50.0	31.7	40.8
SR 7150 (SRX 7MODD)	40.0	31.7	35.8
PST-9PM	33.3	36.7	35.0
ABT-COL-2	36.7	25.0	30.8
SEASIDE	33.3	21.7	27.5
SR 7100	30.0	21.7	25.8
BRIGHTON (SRX 1120)	18.3	23.3	20.8
PENNLINKS II (PST-OVN)	23.3	16.7	20.0
SRX 1BPAA	18.3	18.3	18.3
IMPERIAL	20.0	11.7	15.8
SR 1119	15.0	15.0	15.0
GRAND PRIX	15.0	13.3	14.2
PENNEAGLE	15.0	13.3	14.2
PRINCEVILLE	18.3	10.0	14.2
L-93	15.0	11.7	13.3
SEASIDE II	15.0	11.7	13.3
CENTURY	13.3	11.7	12.5
TRUELINE	13.3	11.7	12.5
PROVIDENCE	11.7	11.7	11.7
BACKSPIN	10.0	11.7	10.8
PENN G-6	15.0	6.7	10.8
PENNCROSS	11.7	10.0	10.8
LSD VALUE	14.7	10.9	11.1
C.V. (%)	36.3	34.2	31.2

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

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

3/ PERCENT POA ANNUA RATED 2000 ONLY.

TABLE 45.

DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
AT BLACKSBURG, VA
1999-2002 DATA

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

NAME	JULY 00	OCT. 00	MARCH 01	AUG. 01	DEC. 01	MEAN
SR 7150 (SRX 7MODD)	8.7	6.3	5.7	6.7	7.0	7.0
PENN G-6	7.7	7.3	6.7	5.0	7.3	6.9
SEASIDE II	7.7	6.7	6.3	7.0	6.3	6.9
PENNEAGLE	7.3	7.0	6.7	6.3	5.7	6.7
PENNLINKS II (PST-OVN)	7.7	6.7	6.0	6.0	6.7	6.7
SR 1119	8.3	6.7	5.7	5.7	5.7	6.6
L-93	7.7	7.0	5.3	5.0	6.7	6.5
SR 7100	8.0	5.7	6.3	6.3	5.3	6.4
GLORY (PST-9HG)	8.3	4.3	6.3	6.7	6.0	6.3
PENNCROSS	7.7	6.0	6.0	5.0	6.0	6.3
PST-9PM	8.3	4.0	6.0	6.7	6.3	6.3
TIGER II (CIS AT-5)	8.3	4.3	6.3	6.0	6.3	6.3
GOLFSTAR	7.7	4.0	6.7	6.0	6.0	6.0
SRX 7MOBB	7.7	5.0	5.7	5.7	5.7	6.0
TIGER	8.3	4.7	5.3	5.0	6.0	6.0
TRUELINE	6.7	6.3	5.7	5.3	5.3	6.0
ABT-COL-2	7.7	4.0	6.3	5.7	5.7	5.9
BRIGHTON (SRX 1120)	7.3	5.7	4.7	4.3	6.0	5.8
SRX 1BPAA	7.0	5.3	5.7	5.7	4.7	5.8
GRAND PRIX	6.7	6.0	4.3	3.7	6.7	5.6
SEASIDE	6.7	3.7	6.3	5.7	4.0	5.3
PRINCEVILLE	6.7	5.0	4.3	4.3	5.0	5.2
IMPERIAL	6.7	5.0	4.0	3.3	4.3	4.9
BACKSPIN	6.3	4.7	3.7	3.7	4.7	4.8
PROVIDENCE	6.0	4.0	4.3	4.7	4.0	4.7
CENTURY	5.3	3.7	3.3	3.3	3.3	3.9
LSD VALUE	1.5	2.2	2.0	1.8	2.9	1.1
C.V. (%)	11.0	22.4	19.2	19.3	22.7	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 46.

TAKE-ALL PATCH RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
AT MADISON, WI
1999-2002 DATA

TAKE-ALL PATCH RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	MAY 00	JULY 00	6/13/01	6/18/01	2002	MEAN
BACKSPIN	6.3	4.7	6.7	5.7	6.0	5.9
GRAND PRIX	5.7	5.7	7.7	5.3	5.7	5.9
TIGER	4.7	4.7	5.7	6.3	6.3	5.7
PRINCEVILLE	6.3	4.7	6.3	5.7	5.3	5.6
GLORY (PST-9HG)	5.7	6.0	5.7	5.0	5.3	5.5
PENNLINKS II (PST-0VN)	5.3	4.7	7.0	5.3	4.7	5.3
SRX 1BPAA	6.3	4.3	6.0	5.0	5.0	5.3
TIGER II (CIS AT-5)	5.3	4.7	5.3	5.0	5.7	5.3
SR 1119	5.0	4.7	6.0	4.3	5.0	5.0
SR 7100	5.0	5.0	4.0	5.3	5.3	5.0
ABT-COL-2	5.3	5.7	4.7	4.7	4.7	4.9
SR 7150 (SRX 7MODD)	5.0	5.3	3.7	4.3	5.7	4.9
BRIGHTON (SRX 1120)	5.3	4.0	6.0	4.3	4.7	4.8
IMPERIAL	6.0	4.0	5.3	4.7	4.3	4.8
PENN G-6	5.0	4.0	6.3	5.0	4.3	4.8
PST-9PM	5.3	4.7	5.0	4.3	4.7	4.8
SEASIDE	4.3	4.7	2.7	4.7	6.0	4.7
SRX 7MOBB	4.7	5.3	4.0	4.0	4.7	4.6
TRUELINE	5.0	4.0	4.7	4.0	4.7	4.5
CENTURY	5.0	4.0	5.3	4.0	4.0	4.4
PENNEAGLE	4.3	4.0	4.7	3.7	5.0	4.4
L-93	6.0	4.3	4.3	3.7	3.7	4.3
PENNCROSS	4.7	4.7	4.7	4.0	4.0	4.3
SEASIDE II	5.0	4.7	4.3	3.7	4.0	4.3
PROVIDENCE	5.0	4.0	4.3	3.0	4.3	4.2
GOLFSTAR	3.3	3.7	4.0	2.7	4.3	3.7
LSD VALUE	1.7	3.2	3.4	2.9	1.3	0.9
C.V. (%)	15.6	22.2	28.8	25.9	14.5	19.0

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

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

3/ TAKE-ALL PATCH CAUSED BY GAEUMANNOMYCES GRAMINIS VAR. AVENAE IN 2000 AND 2002.

TABLE 47.

PERCENT BROWN PATCH RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
AT LEXINGTON, KY 2/ 3/
1999-2002 DATA

NAME	JUNE 99	JULY 99	JUNE 00	JULY 00	AUG. 00	MAY 01	JUNE 01	JULY 01	AUG. 01	MEAN
TIGER	75.0	34.3	48.3	76.7	46.7	13.0	35.7	36.7	52.3	48.8
SRX 7MOBB	51.7	26.0	58.3	78.3	50.0	25.7	23.0	75.0	50.0	48.2
PST-9PM	61.7	45.0	80.0	58.3	21.7	13.3	26.7	36.7	36.7	45.0
ABT-COL-2	78.3	15.7	70.0	51.7	21.7	46.7	36.7	45.0	30.0	44.8
SR 7150 (SRX 7MODD)	46.7	28.3	63.3	66.7	19.0	25.7	16.3	31.7	46.0	39.0
GLORY (PST-9HG)	65.0	21.0	40.0	63.3	36.7	12.3	13.0	25.0	33.3	36.9
SR 7100	29.7	51.0	35.0	65.0	19.3	20.0	1.7	43.3	43.3	35.7
TIGER II (GIS AT-5)	14.7	23.0	28.7	42.3	37.7	29.3	26.7	31.7	28.3	28.0
GOLFSTAR	24.0	22.3	0.0	22.0	8.3	3.3	7.3	53.3	21.7	18.2
SEASIDE	53.3	0.0	0.0	9.0	0.0	0.0	0.0	36.0	26.7	15.1
CENTURY	1.0	0.0	0.0	63.7	0.0	28.3	0.0	0.0	0.0	9.6
PROVIDENCE	0.0	0.0	0.0	42.3	0.0	24.0	0.0	0.0	0.0	6.7
PENNCROSS	15.0	6.3	2.0	23.0	0.0	1.7	0.0	0.0	0.0	6.5
IMPERIAL	0.0	0.0	0.0	38.3	3.3	9.0	0.0	0.0	0.0	5.4
L-93	1.7	0.0	0.0	24.3	0.0	21.0	4.0	0.0	0.0	5.1
BACKSPIN	0.0	0.0	0.0	33.0	0.0	0.0	0.0	0.0	0.0	3.7
PRINCEVILLE	15.0	1.0	0.0	4.0	0.0	5.0	0.0	0.0	0.0	3.5
SR 1119	0.0	0.0	0.0	16.7	0.0	0.0	5.7	0.0	0.0	2.3
SRX 1BPAA	0.0	0.0	0.0	20.3	0.0	0.0	0.0	0.0	0.0	2.3
SEASIDE II	3.3	0.0	0.0	13.7	0.0	1.0	0.0	0.0	0.0	2.2
TRUELINE	5.7	0.0	0.0	11.3	0.0	0.0	0.0	0.0	0.0	2.2
BRIGHTON (SRX 1120)	0.0	0.0	0.0	14.3	0.0	3.3	0.0	0.0	0.0	1.9
PENNEAGLE	1.0	0.0	0.0	10.7	0.0	0.0	0.0	0.0	0.0	1.4
GRAND PRIX	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	1.1
PENNLINKS II (PST-OVN)	0.0	0.0	0.0	7.7	0.0	2.3	0.0	0.0	0.0	1.0
PENN G-6	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.7
LSD VALUE	10.6	7.8	17.0	33.4	15.2	17.5	11.0	21.9	14.6	7.4
C.V. (%)	34.7	50.3	69.5	59.6	96.3	95.5	93.9	87.9	67.9	55.6

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.

3/ BROWN PATCH CAUSED BY RHIZOCTONIA SOLANI IN 2001.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR BENTGRASS CULTIVARS
IN THE 1998 NATIONAL BENTGRASS (FAIRWAY) TEST
1999-2002 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	ALL LOCATIONS		SUM OF RANKS 3/	STATISTICS FOR ALL LOCATIONS			MAXIMUM IN TOP 25% 7/
	MEAN 1/	RANK 2/		RANK 4/	HIGHEST RANK 5/	LOWEST RANK 6/	
ABT-COL-2	5.4	21	371	20	1	26	8.7
BACKSPIN	5.8	9	284	12	1	25	21.7
BRIGHTON (SRX 1120)	5.8	11	280	11	4	21	17.4
CENTURY	5.8	10	299	14	1	25	26.1
GLORY (PST-9HG)	5.6	17	320	16	1	25	30.4
GOLFSTAR	5.0	25	489	25	3	26	8.7
GRAND PRIX	6.0	6	245	7	3	25	34.8
IMPERIAL	5.9	7	256	9	1	26	26.1
L-93	6.1	1	146	1	1	19	56.5
PENN G-6	6.0	3	229	5	1	24	30.4
PENNCROSS	5.7	16	309	15	1	24	17.4
PENNEAGLE	5.6	18	366	19	3	25	13.0
PENNLINKS II (PST-OVN)	6.0	4	199	2	1	22	34.8
PRINCEVILLE	5.8	13	271	10	1	22	17.4
PROVIDENCE	5.7	15	330	17	5	25	13.0
PST-9PM	5.3	23	416	23	2	25	4.3
SEASIDE	4.5	26	537	26	16	26	0.0
SEASIDE II	5.8	12	294	13	4	26	21.7
SR 1119	5.9	8	236	6	3	24	34.8
SR 7100	5.4	22	388	22	1	26	13.0
SR 7150 (SRX 7MODD)	5.6	19	341	18	1	26	13.0
SRX 1BPAA	6.0	2	213	4	1	26	47.8
SRX 7MOBB	5.4	20	380	21	3	25	17.4
TIGER	5.3	24	456	24	5	26	8.7
TIGER II (CIS AT-5)	5.8	14	251	8	1	23	43.5
TRUELINE	6.0	5	204	3	4	16	43.5
LSD VALUE	0.2						
C.V. (%)	8.5						

*/ 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).

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

- 1/ MEAN - AN AVERAGE OF ALL THE TURFGRASS QUALITY RATINGS FROM ALL LOCATIONS.
- 2/ RANK - RANKING OF THE MEAN OF ALL QUALITY RATINGS.
- 3/ SUM OF RANKS - A SUM OF ALL THE RANKINGS FROM THE VARIOUS LOCATIONS.
- 4/ RANK - THE RANKING OF THE SUM OF RANKS.
- 5/ HIGHEST RANK - THE HIGHEST RANKING ACHIEVED BY THAT ENTRY AT ANY ONE LOCATION.
- 6/ LOWEST RANK - THE LOWEST RANKING ACHIEVED BY THAT ENTRY AT ANY ONE LOCATION.
- 7/ MAXIMUM IN TOP 25% - THE PERCENTAGE OF LOCATIONS WHERE THAT ENTRY FINISHED IN THE TOP 25% OF ALL ENTRIES.