

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 2001 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 2001

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

1998 NATIONAL BENTGRASS TEST
(Fairway/Tee)

Entries and Sponsors

Entry No.	Name	Species	Sponsor
1	Grand Prix	creeping	LESCO, Inc.
2	Princeville	creeping	LESCO, Inc.
3	Backspin	creeping	Turf Merchants, Inc.
4	Trueline	creeping	Turf Merchants, Inc.
5	L-93	creeping	Simplot / 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	Cebeco International Seeds, Inc.
11	Tiger II (CIS-At-5)	colonial	Cebeco International Seeds, Inc.
12	SRX 7MOBB	colonial	Seed Research of Oregon
13	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	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.

2001 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 1998 NATIONAL BENTGRASS (FAIRWAY/TEE) TEST

LOCATION	SOIL TEXTURE	SOIL PH	SOIL PHOSPHOROUS (LBS/ACRE)	SOIL POTASSIUM (LBS/ACRE)	NITROGEN (LBS/1000 SQ FT)	SUN OR SHADE	MOWING HEIGHT (IN)	IRRIGATION PRACTICED
IA1	SILTY CLAY LOAM	7.1-7.5	0-60	241-375	3.1-4.0	FULL SUN	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
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
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
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
NJ1	SANDY LOAM	6.1-6.5	271-450	0-150	1.1-2.0	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	1.1-2.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
QE1	-	-	-	-	-	-	-	-
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 LOAM	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 2001

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
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	
KY1			X	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
MT1						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
PA1					X	X	X	X	X					X	X
QE1					X	X	X	X	X				X	X	X
SD1				X	X	X	X	X	X	X	X		X		
UT1				X	X	X	X	X	X	X			X		
VA1			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			
WI1					X	X	X	X	X	X	X			X	

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2001

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	DROUGHT TOLERANCE DORMANCY	TYPHULA BLIGHT	MICRODOCHIUM PATCH	DOLLAR SPOT	BROWN PATCH WARM TEMP.	PINK SNOW MOLD
IA1													
IL1	X	X	X										
IN1	X	X	X										
KY1	X			X	X	X	X						
MI1	X	X	X	X	X	X							
MN1			X							X		X	
MT1	X	X											
NJ1		X									X	X	
NY1		X											
PA1		X	X								X	X	
QE1	X	X	X										
SD1	X	X		X					X				
UT1		X	X										X
VA1		X	X				X	X					
WA1	X	X	X										X
WA3	X	X											
WA4													X
WI1	X	X	X										

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2001

LOCATION	PERCENT POA ANNUA	GRAY SNOW MOLD	SNOW MOLD COMPLEX	PERCENT DOLLAR SPOT	DOLLAR SPOT MARCH	DOLLAR SPOT JUNE	DOLLAR SPOT AUGUST	DOLLAR SPOT SEPT.	DOLLAR SPOT DECEMBER	TAKE-ALL PATCH 6/13	TAKE-ALL PATCH 6/18	PERCENT BROWN PATCH						
												MAY	JUNE	JULY	AUGUST			
IA1																		
IL1																		
IN1	X																	
KY1	X			X										X	X	X	X	
MI1		X																
MN1																		
MT1																		
NJ1																		
NY1						X		X										
PA1																		
QE1																		
SD1																		
UT1																		
VA1					X		X		X									
WA1																		
WA3																		
WA4																		
WI1			X							X	X							

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A FAIRWAY OR TEE AT THREE LOCATIONS
USING A 3/8 INCH MOWING HEIGHT 1/
2001 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	MI1	NJ1	NY1	MEAN
* L-93	7.3	6.2	6.7	6.7
TIGER II (CIS AT-5)	7.3	6.2	6.5	6.6
ABT-COL-2	7.4	6.2	6.1	6.6
SRX 7MODD	7.1	6.0	6.4	6.5
* PENN G-6	7.4	5.5	6.5	6.5
* GRAND PRIX	7.1	5.6	6.7	6.5
SRX 7MOBB	7.3	5.8	6.3	6.5
SRX 1BPAA	7.4	5.4	6.6	6.4
* SR 1119	7.4	5.3	6.4	6.4
* BRIGHTON (SRX 1120)	7.2	5.5	6.5	6.4
* GLORY (PST-9HG)	7.0	5.7	6.4	6.4
* IMPERIAL	7.2	5.3	6.6	6.3
* TIGER	7.5	5.1	6.1	6.3
* SR 7100	7.2	4.9	6.5	6.2
* PRINCEVILLE	7.4	4.8	6.4	6.2
* TRUELINE	7.4	4.7	6.5	6.2
* CENTURY	7.0	4.7	6.9	6.2
PST-OVN	7.2	4.9	6.5	6.2
* PROVIDENCE	7.5	4.5	6.3	6.1
PST-9PM	7.2	4.7	6.5	6.1
* BACKSPIN	6.9	5.1	6.4	6.1
* SEASIDE II	7.2	4.7	6.4	6.1
* GOLFSTAR	7.2	4.2	6.3	5.9
* PENNCROSS	7.5	3.8	6.1	5.8
* PENNEAGLE	7.4	3.6	6.4	5.8
* SEASIDE	7.1	2.6	5.7	5.1
LSD VALUE	0.5	1.0	0.5	0.4
C.V. (%)	4.2	12.0	4.7	6.9

* COMMERCIALY AVAILABLE IN THE USA IN 2002.

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 NINE AT TEN LOCATIONS
USING A 1/2 INCH MOWING HEIGHT 1/
2001 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/									MEAN
	IA1	IL1	IN1	MN1	MT1	PA1	QE1	WA1	WI1	
L-93	7.3	5.3	5.8	6.0	7.6	7.5	5.8	6.5	4.4	6.2
SRX 1BPAA	6.6	5.7	5.3	6.7	7.1	7.3	5.9	6.6	4.8	6.2
PENN G-6	6.8	5.4	5.9	6.4	6.9	6.9	5.9	6.5	4.7	6.1
SR 1119	6.7	5.2	5.3	6.7	7.1	7.3	5.6	6.4	4.6	6.1
TRUELINE	6.4	5.7	5.8	6.0	7.1	7.1	5.7	6.0	4.3	6.0
IMPERIAL	7.4	4.5	5.9	6.1	6.7	7.1	5.9	6.3	3.8	6.0
GRAND PRIX	6.8	5.0	6.1	5.5	6.8	7.0	5.4	6.8	4.4	6.0
PST-OVN	6.9	5.9	5.5	5.4	6.3	6.5	5.9	6.9	4.4	6.0
BACKSPIN	7.4	5.0	6.0	6.3	7.1	6.1	5.3	6.1	4.1	5.9
TIGER II (CIS AT-5)	4.6	5.7	3.3	7.4	6.8	7.0	6.5	6.2	5.4	5.9
SEASIDE II	7.1	5.9	5.7	5.6	6.2	6.8	5.9	6.0	3.7	5.9
PRINCEVILLE	6.1	5.0	5.3	5.8	7.3	6.2	5.8	6.2	5.0	5.9
CENTURY	7.0	4.1	6.3	5.9	6.8	6.3	5.6	6.4	3.8	5.8
BRIGHTON (SRX 1120)	7.4	5.2	5.1	5.3	6.4	6.3	5.9	6.0	4.2	5.7
PROVIDENCE	6.6	4.5	5.6	6.1	7.0	5.9	5.5	6.0	4.1	5.7
PENNEAGLE	5.7	5.8	4.8	5.8	6.9	6.2	5.8	5.8	4.3	5.7
PENNCROSS	5.8	5.5	5.2	5.1	6.6	6.0	5.9	6.3	4.5	5.7
GLORY (PST-9HG)	4.9	6.1	3.4	5.7	6.5	5.7	6.6	6.0	5.4	5.6
ABT-COL-2	4.7	5.7	3.9	6.6	6.9	4.9	6.5	5.1	4.7	5.4
SRX 7MODD	4.3	5.2	3.3	5.9	6.7	5.7	6.3	6.3	4.8	5.4
SRX 7MOBB	4.8	4.8	3.0	6.2	6.9	5.7	6.1	5.5	4.8	5.3
SR 7100	4.6	5.0	3.4	6.5	6.4	5.1	6.6	5.2	4.8	5.3
TIGER	4.7	5.0	2.9	6.4	6.2	4.5	6.5	5.8	4.8	5.2
PST-9FM	5.1	5.2	3.7	6.0	6.9	3.9	6.3	5.2	4.1	5.2
GOLFSTAR	4.5	5.0	2.8	5.0	6.6	4.9	6.2	5.5	3.5	4.9
SEASIDE	4.3	3.4	3.4	4.4	5.8	3.7	5.3	4.2	3.2	4.2
LSD VALUE	0.7	0.6	1.0	1.0	0.6	0.7	0.5	0.7	0.8	0.3
C.V. (%)	7.1	7.6	13.1	10.7	5.6	7.0	5.2	7.6	11.5	8.3

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

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

TABLE 3. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A FAIRWAY OR TEE AT FIVE LOCATIONS USING A 5/8 INCH MOWING HEIGHT 1/ 2001 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	KY1	SD1	UT1	VA1	WA3	MEAN
GLORY (PST-9HG)	6.5	6.8	4.5	4.9	5.9	5.7
TIGER II (CIS AT-5)	6.8	6.4	3.9	5.2	6.3	5.7
SRX 7MODD	6.8	6.4	3.9	5.0	5.8	5.6
PST-9PM	6.6	6.5	4.2	4.6	5.5	5.5
SRX 7MOBB	7.0	6.3	4.1	4.5	5.6	5.5
SR 7100	5.7	6.6	4.2	4.7	6.1	5.4
PENNEAGLE	6.1	4.9	4.9	5.1	4.9	5.2
ABT-COL-2	6.0	5.8	3.8	4.7	5.6	5.2
TIGER	6.0	6.5	4.0	4.0	5.3	5.1
TRUELINE	6.4	5.2	4.2	4.6	5.2	5.1
PENN G-6	6.1	4.9	4.0	5.2	5.3	5.1
SRX 1BPAA	6.3	5.2	4.1	4.6	5.1	5.1
PENNCROSS	5.6	5.0	4.3	4.8	5.5	5.1
SR 1119	6.0	5.0	4.0	4.9	5.3	5.0
BRIGHTON (SRX 1120)	6.0	5.4	4.4	4.3	5.1	5.0
PRINCEVILLE	6.3	5.3	4.5	4.2	5.0	5.0
CENTURY	6.0	5.5	4.3	3.7	5.6	5.0
L-93	6.4	4.6	4.3	4.3	5.3	5.0
IMPERIAL	6.0	5.2	4.4	3.8	5.5	5.0
GOLFSTAR	5.1	7.0	4.0	3.9	4.6	4.9
BACKSPIN	5.7	5.2	4.5	3.8	5.2	4.9
PST-OVN	5.8	4.5	4.3	4.4	5.4	4.9
GRAND PRIX	5.5	5.1	4.2	3.9	5.7	4.9
SEASIDE II	5.5	4.6	4.3	5.0	4.7	4.8
PROVIDENCE	5.7	4.4	4.0	3.8	5.4	4.6
SEASIDE	4.6	5.4	3.9	3.8	4.1	4.4
LSD VALUE	0.6	0.6	0.9	0.7	0.6	0.3
C.V. (%)	6.0	6.8	13.5	9.3	6.7	8.3

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

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

TABLE 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/ 2001 DATA

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

NAME	NJ1	PA1	WI1	MEAN
TIGER II (CIS AT-5)	6.2	7.0	5.4	6.2
L-93	6.2	7.5	4.4	6.0
SRX 1BPAA	5.4	7.3	4.8	5.8
SR 1119	5.3	7.3	4.6	5.7
PENN G-6	5.5	6.9	4.7	5.7
GRAND PRIX	5.6	7.0	4.4	5.7
GLORY (PST-9HG)	5.7	5.7	5.4	5.6
SRX 7MODD	6.0	5.7	4.8	5.5
IMPERIAL	5.3	7.1	3.8	5.4
SRX 7MOBB	5.8	5.7	4.8	5.4
TRUELINE	4.7	7.1	4.3	5.4
PRINCEVILLE	4.8	6.2	5.0	5.3
BRIGHTON (SRX 1120)	5.5	6.3	4.2	5.3
ABT-COL-2	6.2	4.9	4.7	5.2
PST-0VN	4.9	6.5	4.4	5.2
BACKSPIN	5.1	6.1	4.1	5.1
SEASIDE II	4.7	6.8	3.7	5.1
SR 7100	4.9	5.1	4.8	4.9
CENTURY	4.7	6.3	3.8	4.9
PROVIDENCE	4.5	5.9	4.1	4.9
TIGER	5.1	4.5	4.8	4.8
PENNCROSS	3.8	6.0	4.5	4.8
PENNEAGLE	3.6	6.2	4.3	4.7
PST-9PM	4.7	3.9	4.1	4.2
GOLFSTAR	4.2	4.9	3.5	4.2
SEASIDE	2.6	3.7	3.2	3.2
LSD VALUE	1.0	0.7	0.8	0.5
C.V. (%)	12.0	7.0	11.5	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 5. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A FAIRWAY OR TEE AT EIGHT LOCATIONS USING 2.1-4.0 LBS OF NITROGEN/1000 SQ. FT./YEAR 1/ 2001 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/									
NAME	IA1	IN1	KY1	MN1	MT1	NY1	UT1	WA1	MEAN
L-93	7.3	5.8	6.4	6.0	7.6	6.7	4.3	6.5	6.3
CENTURY	7.0	6.3	6.0	5.9	6.8	6.9	4.3	6.4	6.2
BACKSPIN	7.4	6.0	5.7	6.3	7.1	6.4	4.5	6.1	6.2
IMPERIAL	7.4	5.9	6.0	6.1	6.7	6.6	4.4	6.3	6.2
SRX 1BPAA	6.6	5.3	6.3	6.7	7.1	6.6	4.1	6.6	6.2
PENN G-6	6.8	5.9	6.1	6.4	6.9	6.5	4.0	6.5	6.1
SR 1119	6.7	5.3	6.0	6.7	7.1	6.4	4.0	6.4	6.1
TRUELINE	6.4	5.8	6.4	6.0	7.1	6.5	4.2	6.0	6.0
GRAND PRIX	6.8	6.1	5.5	5.5	6.8	6.7	4.2	6.8	6.0
PRINCEVILLE	6.1	5.3	6.3	5.8	7.3	6.4	4.5	6.2	6.0
PST-0VN	6.9	5.5	5.8	5.4	6.3	6.5	4.3	6.9	5.9
PROVIDENCE	6.6	5.6	5.7	6.1	7.0	6.3	4.0	6.0	5.9
BRIGHTON (SRX 1120)	7.4	5.1	6.0	5.3	6.4	6.5	4.4	6.0	5.9
SEASIDE II	7.1	5.7	5.5	5.6	6.2	6.4	4.3	6.0	5.8
PENNEAGLE	5.7	4.8	6.1	5.8	6.9	6.4	4.9	5.8	5.8
TIGER II (CIS AT-5)	4.6	3.3	6.8	7.4	6.8	6.5	3.9	6.2	5.7
PENNCROSS	5.8	5.2	5.6	5.1	6.6	6.1	4.3	6.3	5.6
PST-9PM	5.1	3.7	6.6	6.0	6.9	6.5	4.2	5.2	5.5
GLORY (PST-9HG)	4.9	3.4	6.5	5.7	6.5	6.4	4.5	6.0	5.5
SRX 7M0BB	4.8	3.0	7.0	6.2	6.9	6.3	4.1	5.5	5.5
SRX 7M0DD	4.3	3.3	6.8	5.9	6.7	6.4	3.9	6.3	5.4
ABT-COL-2	4.7	3.9	6.0	6.6	6.9	6.1	3.8	5.1	5.4
SR 7100	4.6	3.4	5.7	6.5	6.4	6.5	4.2	5.2	5.3
TIGER	4.7	2.9	6.0	6.4	6.2	6.1	4.0	5.8	5.3
GOLFSTAR	4.5	2.8	5.1	5.0	6.6	6.3	4.0	5.5	5.0
SEASIDE	4.3	3.4	4.6	4.4	5.8	5.7	3.9	4.2	4.5
LSD VALUE	0.7	1.0	0.6	1.0	0.6	0.5	0.9	0.7	0.3
C.V. (%)	7.1	13.1	6.0	10.7	5.6	4.7	13.5	7.6	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 6. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A FAIRWAY OR TEE AT SIX LOCATIONS
USING 4.1+ LBS OF NITROGEN/1000 SQ. FT./YEAR 1/
2000 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						MEAN
	IL1	MI1	QE1	SD1	VA1	WA3	
TIGER II (CIS AT-5)	5.7	7.3	6.5	6.4	5.2	6.3	6.2
GLORY (PST-9HG)	6.1	7.0	6.6	6.8	4.9	5.9	6.2
SR 7100	5.0	7.2	6.6	6.6	4.7	6.1	6.0
SRX 7MODD	5.2	7.1	6.3	6.4	5.0	5.8	6.0
ABT-COL-2	5.7	7.4	6.5	5.8	4.7	5.6	5.9
PST-9PM	5.2	7.2	6.3	6.5	4.6	5.5	5.9
TIGER	5.0	7.5	6.5	6.5	4.0	5.3	5.8
SRX 7MOBB	4.8	7.3	6.1	6.3	4.5	5.6	5.7
PENNCROSS	5.5	7.5	5.9	5.0	4.8	5.5	5.7
PENN G-6	5.4	7.4	5.9	4.9	5.2	5.3	5.7
SRX 1BPAA	5.7	7.4	5.9	5.2	4.6	5.1	5.7
PENNEAGLE	5.8	7.4	5.8	4.9	5.1	4.9	5.7
GOLFSTAR	5.0	7.2	6.2	7.0	3.9	4.6	5.7
TRUELINE	5.7	7.4	5.7	5.2	4.6	5.2	5.6
SR 1119	5.2	7.4	5.6	5.0	4.9	5.3	5.6
PST-0VN	5.9	7.2	5.9	4.5	4.4	5.4	5.5
SEASIDE II	5.9	7.2	5.9	4.6	5.0	4.7	5.5
BRIGHTON (SRX 1120)	5.2	7.2	5.9	5.4	4.3	5.1	5.5
L-93	5.3	7.3	5.8	4.6	4.3	5.3	5.4
PRINCEVILLE	5.0	7.4	5.8	5.3	4.2	5.0	5.4
GRAND PRIX	5.0	7.1	5.4	5.1	3.9	5.7	5.4
IMPERIAL	4.5	7.2	5.9	5.2	3.8	5.5	5.3
CENTURY	4.1	7.0	5.6	5.5	3.7	5.6	5.2
BACKSPIN	5.0	6.9	5.3	5.2	3.8	5.2	5.2
PROVIDENCE	4.5	7.5	5.5	4.4	3.8	5.4	5.2
SEASIDE	3.4	7.1	5.3	5.4	3.8	4.1	4.9
LSD VALUE	0.6	0.5	0.5	0.6	0.7	0.6	0.2
C.V. (%)	7.6	4.2	5.2	6.8	9.3	6.7	6.4

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 7.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS FOR EACH MONTH GROWN
ON A FAIRWAY OR TEE AT PUYALLUP (WITHOUT FUNGICIDES), WA
2001 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS													
NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
SR 7100	5.0	4.0	4.3	5.0	6.0	7.3	7.0	7.0	7.0	6.7	5.3	5.0	5.8
TIGER II (CIS AT-5)	5.0	4.3	3.3	5.0	5.7	7.0	7.7	7.0	6.7	7.0	5.7	5.3	5.8
GLORY (PST-9HG)	4.7	4.0	4.0	4.7	6.0	6.7	7.0	6.0	6.0	7.0	6.0	5.3	5.6
ABT-COL-2	5.0	3.3	3.3	4.7	5.7	7.0	7.3	6.7	6.3	6.7	5.3	5.7	5.6
SRX 7MODD	5.0	3.3	3.3	5.3	6.3	7.0	7.0	6.0	5.7	6.7	5.0	4.0	5.4
GRAND PRIX	5.0	4.3	4.3	4.3	5.0	5.3	5.7	6.0	5.7	7.0	5.7	5.7	5.3
PST-9PM	5.0	4.3	4.0	5.0	6.3	7.0	6.3	5.0	5.7	6.3	4.7	4.0	5.3
SRX 7MOBB	4.7	3.7	3.3	5.0	6.3	7.0	6.7	5.3	6.0	6.0	5.0	4.0	5.3
CENTURY	5.7	4.7	4.7	5.7	5.3	5.3	4.0	6.0	4.7	6.3	5.7	4.7	5.2
PENNCROSS	5.0	4.3	4.7	5.0	4.3	5.3	5.7	5.3	5.7	6.7	6.3	4.3	5.2
L-93	5.0	4.7	4.7	5.7	5.3	5.7	4.3	5.3	5.3	6.3	5.3	4.7	5.2
IMPERIAL	5.3	5.0	4.3	5.0	5.0	5.0	4.7	5.7	5.3	6.3	5.7	5.0	5.2
PENN G-6	5.0	4.0	4.7	5.0	4.7	5.7	5.0	5.7	5.7	6.3	5.7	4.7	5.2
PROVIDENCE	6.0	4.0	4.0	5.3	5.0	5.7	4.7	5.0	5.0	6.3	5.3	5.0	5.1
TIGER	3.7	3.7	3.7	5.0	5.3	6.3	6.3	4.7	6.0	6.7	5.7	4.0	5.1
BACKSPIN	5.7	3.7	5.0	4.7	4.7	5.0	5.0	6.0	5.7	6.0	4.7	4.7	5.1
SR 1119	5.0	3.7	4.0	4.3	4.3	5.3	5.7	5.0	5.3	6.0	6.3	5.3	5.0
TRUELINE	4.7	3.3	4.7	5.3	5.0	6.0	5.0	5.7	5.0	6.0	4.7	4.0	4.9
BRIGHTON (SRX 1120)	5.7	3.7	4.7	5.7	5.0	5.3	4.7	4.7	4.7	5.3	4.7	4.7	4.9
PRINCEVILLE	4.3	4.0	4.7	4.3	5.0	5.3	5.0	5.3	4.7	5.3	5.3	4.3	4.8
SRX 1BPAA	5.0	3.7	4.7	4.3	4.3	5.3	4.7	4.7	4.7	6.0	5.7	4.3	4.8
PENNEAGLE	4.7	4.0	4.0	4.3	5.7	5.3	5.3	4.0	5.0	5.0	4.3	4.3	4.7
SEASIDE II	4.7	3.7	4.0	4.0	5.0	4.7	4.3	5.0	4.3	5.3	5.3	5.3	4.6
GOLFSTAR	4.0	2.7	3.0	3.7	4.7	4.7	6.0	4.0	5.0	6.0	5.7	4.0	4.4
PST-0VN	4.3	3.7	4.0	4.7	5.0	5.0	4.3	4.3	4.3	5.0	4.7	4.0	4.4
SEASIDE	4.0	3.7	4.0	3.3	4.7	4.0	4.7	4.0	4.7	5.0	5.0	4.0	4.3
LSD VALUE	1.2	1.1	0.7	1.4	1.5	1.1	0.8	0.9	1.1	1.2	1.5	1.2	0.6
C.V. (%)	15.0	16.9	11.0	18.6	17.8	11.5	9.1	10.4	12.6	11.8	17.4	16.4	7.1

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

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

TABLE 8.

GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

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

NAME	IA1	IL1	IN1	KY1	MI1	MN1	MT1	NJ1	NY1	QE1	SD1	UT1	VA1	WA1	WA3	MEAN
SRX 7MODD	5.7	6.3	6.7	8.0	7.0	6.7	6.0	5.0	7.3	8.0	7.0	4.3	7.0	9.0	8.3	6.8
PST-OVN	7.7	7.0	7.0	7.7	7.3	6.7	7.0	6.3	7.0	7.0	5.3	4.7	7.0	7.3	7.0	6.8
SRX 1BPAA	6.7	7.0	6.7	7.7	6.7	6.7	7.3	7.3	8.0	7.0	4.7	4.7	7.0	7.0	7.0	6.8
BRIGHTON (SRX 1120)	8.0	7.0	6.7	6.3	7.0	6.3	7.3	6.3	7.3	7.0	5.3	5.3	6.7	7.0	7.0	6.7
TRUELINE	7.0	6.7	6.7	7.0	6.7	6.3	7.7	6.0	7.3	7.0	5.3	5.0	7.7	7.0	7.0	6.7
SR 1119	7.3	7.0	6.3	7.3	7.0	7.0	7.3	6.3	7.3	7.0	4.7	5.0	7.0	6.7	6.7	6.7
L-93	7.0	6.7	6.7	7.0	7.3	6.7	7.7	5.3	7.3	7.0	5.0	4.3	7.7	7.3	6.3	6.6
CENTURY	7.0	6.3	6.7	7.0	6.7	6.3	6.7	4.7	7.3	7.0	5.7	4.7	7.7	7.0	6.7	6.5
PENN G-6	7.0	6.3	6.7	7.0	7.3	6.7	7.3	5.3	6.7	6.7	5.0	4.7	7.0	7.0	6.7	6.5
IMPERIAL	8.0	6.7	6.7	7.0	6.7	6.7	6.3	4.7	7.3	6.3	5.0	5.3	6.7	7.0	6.3	6.4
GOLFSTAR	6.0	6.0	6.7	7.3	6.7	6.0	6.3	2.3	6.7	8.0	8.0	5.3	6.7	8.0	6.3	6.4
GRAND PRIX	6.7	6.0	7.3	7.0	6.3	6.7	7.0	5.7	6.7	6.7	5.0	4.7	7.3	7.0	6.3	6.4
PROVIDENCE	6.7	7.0	7.0	6.0	6.7	6.7	7.0	5.0	6.7	6.7	5.0	5.3	7.0	6.7	6.7	6.4
SRX 7MOBB	5.3	5.0	7.0	7.7	7.0	6.3	6.3	4.0	7.0	8.0	6.0	4.7	6.0	8.0	6.7	6.3
PENNCROSS	7.0	6.3	6.3	7.0	7.0	6.3	7.0	4.0	6.3	7.0	5.7	4.7	6.7	7.0	6.0	6.3
BACKSPIN	7.3	6.0	6.7	7.0	6.7	6.7	7.3	4.0	6.7	7.0	4.7	5.0	7.0	6.3	6.0	6.3
PST-9PM	6.0	6.0	6.0	7.7	6.3	6.3	6.3	2.7	6.0	8.0	7.0	5.0	6.3	8.0	6.3	6.3
SEASIDE II	6.7	6.3	6.3	6.0	7.0	6.3	6.7	5.3	7.0	6.7	4.7	4.7	7.0	7.0	6.3	6.3
GLORY (PST-9HG)	6.0	6.0	5.7	7.7	6.7	6.3	6.0	3.3	6.0	8.0	6.0	5.3	6.7	8.0	6.0	6.2
PRINCEVILLE	7.0	6.0	6.7	6.3	6.7	6.7	7.3	3.3	6.7	6.3	5.0	5.0	7.0	6.7	6.0	6.2
TIGER	6.0	5.3	7.0	7.7	6.7	6.3	6.0	2.7	6.3	7.0	6.3	5.0	5.3	8.3	6.0	6.1
TIGER II (CIS AT-5)	5.7	5.7	6.7	6.0	6.7	6.3	6.0	3.7	6.7	7.3	6.0	4.7	6.0	8.0	5.7	6.1
PENNEAGLE	6.7	6.0	5.7	6.3	6.3	6.0	7.0	3.7	6.3	7.0	5.0	4.7	7.0	6.0	6.7	6.0
ABT-COL-2	6.0	5.3	4.7	5.7	6.7	6.3	6.0	3.3	6.3	7.7	6.0	4.7	6.0	7.3	5.7	5.8
SEASIDE	6.0	5.0	6.3	5.0	7.3	6.0	6.0	2.7	7.0	6.3	3.7	4.3	6.0	6.0	5.7	5.6
SR 7100	6.0	4.3	5.3	5.0	6.7	6.0	6.0	2.0	5.7	6.0	6.3	5.3	4.7	8.0	5.7	5.5
LSD VALUE	0.9	0.8	1.3	0.6	0.8	1.0	0.8	1.6	0.9	0.6	0.7	1.4	1.0	0.7	1.0	0.3
C.V. (%)	8.7	8.5	12.1	5.8	7.4	9.6	7.5	22.3	7.8	5.6	8.0	17.4	9.7	5.8	9.5	9.6

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

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

TABLE 9.

SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

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

NAME	IA1	IL1	IN1	KY1	MI1	MN1	NJ1	PA1	QE1	VA1	WA1	WA3	WI1	MEAN
SRX 7MODD	6.0	6.3	2.3	8.5	7.0	7.3	6.3	8.0	3.0	6.7	6.0	7.0	5.0	6.1
GLORY (PST-9HG)	6.3	6.7	2.3	8.5	6.3	7.7	7.3	8.7	3.0	5.3	7.0	5.0	4.7	6.1
SR 7100	6.0	6.3	3.0	7.0	7.0	6.7	5.3	9.0	3.0	5.7	7.3	6.0	5.3	6.0
PST-9PM	5.7	6.3	1.7	8.5	7.0	5.3	5.7	8.7	3.0	6.0	6.0	6.0	5.3	5.8
GOLFSTAR	5.0	7.0	2.0	8.0	6.7	5.7	7.0	7.0	2.3	6.0	6.7	6.7	4.7	5.7
TIGER	6.0	7.0	2.7	8.0	7.0	5.3	2.7	8.0	3.0	5.7	6.7	7.0	5.3	5.7
IMPERIAL	6.3	5.3	3.7	7.7	7.0	6.0	4.7	7.7	2.0	6.0	5.7	6.0	4.7	5.6
SR 1119	6.7	5.0	2.0	6.5	6.7	7.3	6.0	6.0	2.7	7.7	6.0	5.3	4.7	5.6
TIGER II (CIS AT-5)	5.0	5.7	2.7	6.0	7.0	6.7	5.3	7.7	3.0	5.7	6.7	5.7	5.0	5.5
SRX 7MOBB	6.0	5.3	2.0	7.5	7.0	6.0	6.3	7.7	2.7	4.7	5.7	6.0	4.7	5.5
ABT-COL-2	6.0	4.7	2.7	7.5	7.0	7.0	5.3	7.3	2.7	5.0	5.7	5.3	4.3	5.4
TRUELINE	7.0	5.0	3.0	7.5	6.7	6.0	4.3	6.7	2.7	6.0	6.3	4.7	4.3	5.4
PRINCEVILLE	6.7	5.0	4.0	6.5	6.7	6.3	5.0	6.3	2.3	5.0	6.0	4.7	5.0	5.3
BACKSPIN	6.0	5.0	5.0	6.5	6.7	5.7	3.7	7.0	2.0	5.7	6.0	5.0	5.0	5.3
PENN G-6	6.3	4.7	3.7	7.0	6.7	6.0	5.3	6.3	2.3	5.0	6.0	5.0	4.7	5.3
BRIGHTON (SRX 1120)	7.0	5.0	2.3	6.5	7.0	5.3	5.0	7.0	2.3	5.0	6.0	5.0	5.3	5.3
PENNCROSS	6.0	5.0	3.0	7.5	7.0	6.0	3.3	6.3	2.7	5.3	6.3	6.0	4.3	5.3
SEASIDE	5.7	5.7	3.0	8.5	6.7	4.3	8.0	6.7	1.7	5.3	5.0	4.3	3.7	5.3
CENTURY	6.3	4.0	4.7	7.5	6.3	5.7	3.7	7.0	2.7	5.3	5.7	5.3	4.3	5.3
SRX 1BPAA	6.7	5.0	2.7	7.5	7.0	5.0	4.3	6.3	2.3	4.7	6.0	4.7	5.0	5.2
GRAND PRIX	6.0	4.3	4.7	6.0	6.7	5.7	3.3	6.3	2.0	6.0	6.0	5.0	5.0	5.2
PROVIDENCE	6.3	5.0	3.0	6.0	7.0	6.7	2.7	7.3	2.3	5.0	6.0	4.7	5.0	5.2
PST-OVN	6.7	5.0	3.0	7.0	7.0	5.3	3.0	6.3	2.3	4.7	5.7	5.7	5.0	5.1
PENNEAGLE	6.3	5.3	2.3	7.0	7.0	6.0	3.3	6.0	2.3	4.7	6.0	5.0	4.7	5.1
L-93	6.7	4.3	2.3	5.5	7.0	6.3	3.7	6.3	3.0	5.7	5.7	4.3	5.0	5.1
SEASIDE II	6.3	4.7	2.7	7.5	7.0	5.7	3.0	6.3	2.0	4.7	5.3	4.0	4.3	4.9
LSD VALUE	0.9	1.0	2.2	1.1	0.7	1.7	1.9	0.9	0.8	1.1	1.9	1.2	0.8	0.4
C.V. (%)	9.3	11.4	46.3	7.6	6.0	17.5	24.5	8.2	19.1	12.1	19.8	14.2	10.6	15.3

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

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

TABLE 10. LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/								MEAN
	IA1	MI1	MN1	MT1	NJ1	NY1	PA1	QE1	
SRX 7MOBB	6.7	7.3	7.0	7.0	5.7	7.3	9.0	7.0	7.1
SRX 7MDD	6.3	7.3	7.0	7.3	6.3	6.3	9.0	7.0	7.1
ABT-COL-2	6.0	7.3	7.3	6.7	6.3	6.7	9.0	7.0	7.0
TIGER II (CIS AT-5)	6.0	7.3	7.7	7.0	6.0	7.0	8.7	6.7	7.0
SR 7100	5.3	7.7	7.7	6.7	5.7	6.3	9.0	7.0	6.9
L-93	7.7	8.0	6.0	6.3	6.3	7.0	7.0	6.7	6.9
BACKSPIN	7.7	7.3	6.0	7.3	5.3	6.3	8.0	6.7	6.8
IMPERIAL	8.0	8.0	6.0	6.0	6.3	6.0	7.3	6.7	6.8
GRAND PRIX	7.3	8.0	6.0	6.0	5.7	6.3	7.7	7.0	6.8
CENTURY	7.7	7.0	6.3	6.0	4.7	6.7	8.0	7.0	6.7
GLORY (PST-9HG)	5.7	7.3	6.7	6.3	5.3	6.7	8.0	7.0	6.6
BRIGHTON (SRX 1120)	7.7	7.0	6.0	6.3	5.3	6.3	7.0	6.7	6.5
TIGER	5.0	7.0	7.0	6.3	5.3	6.3	8.3	7.0	6.5
SR 1119	6.0	7.7	6.0	6.7	5.7	6.7	6.7	7.0	6.5
SRX 1BPAA	7.0	7.7	6.0	5.7	5.0	6.7	7.0	7.0	6.5
SEASIDE II	7.0	7.3	6.7	5.3	4.3	6.7	7.7	6.7	6.5
PROVIDENCE	6.0	7.3	6.7	6.7	4.7	6.0	7.3	6.7	6.4
PST-9EM	4.7	7.3	7.7	5.7	5.0	6.7	8.0	6.3	6.4
PENN G-6	7.3	7.7	5.3	5.3	5.3	6.3	7.0	6.7	6.4
TRUELINE	6.0	7.7	6.0	6.3	4.7	6.7	7.0	6.3	6.3
PST-0VN	6.3	7.7	5.7	5.3	5.3	6.3	6.7	6.7	6.3
PRINCEVILLE	5.7	7.3	5.7	6.3	4.0	6.7	7.3	6.7	6.2
GOLFSTAR	4.0	7.7	5.7	5.7	4.3	6.3	7.3	7.0	6.0
PENNEAGLE	5.3	7.7	5.3	5.7	4.0	6.3	6.0	6.3	5.8
PENNCROSS	6.3	7.3	4.7	5.7	2.7	6.0	5.0	6.3	5.5
SEASIDE	4.0	7.3	4.7	5.0	2.0	4.7	3.3	6.0	4.6
LSD VALUE	1.1	0.8	0.8	1.2	1.6	0.9	0.7	0.7	0.4
C.V. (%)	11.3	6.8	8.3	11.7	19.7	9.1	5.7	6.3	9.8

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

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

TABLE 11.

SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/										MEAN
	IL1	IN1	KY1	MI1	MT1	QE1	SD1	WA1	WA3	WI1	
TIGER II (CIS AT-5)	6.7	5.0	7.7	7.3	6.7	7.7	7.7	8.0	7.0	7.0	7.1
ABT-COL-2	6.3	5.0	8.0	7.3	7.3	8.0	7.0	8.0	5.3	7.0	6.9
CENTURY	5.7	7.0	8.0	7.0	5.3	7.7	5.7	8.7	7.3	5.7	6.8
SRX 7MOBB	5.7	4.0	7.7	7.0	6.3	7.7	8.0	7.3	7.0	7.3	6.8
IMPERIAL	6.0	6.3	8.0	7.0	6.3	7.0	5.7	8.3	7.3	5.7	6.8
SRX 7MODD	6.3	4.3	7.0	7.0	6.0	8.0	7.7	7.3	6.0	8.0	6.8
GLORY (PST-9HG)	6.7	4.0	7.3	6.3	7.0	8.0	7.3	7.3	6.0	7.0	6.7
PST-0VN	6.3	6.0	7.3	7.3	6.0	7.3	6.0	8.0	5.7	6.7	6.7
SR 7100	6.3	4.3	7.0	7.0	5.7	8.0	7.3	7.7	6.3	7.0	6.7
L-93	6.3	6.3	6.7	7.0	5.7	8.0	5.3	8.0	6.7	6.0	6.6
PENN G-6	6.7	6.0	7.3	7.3	5.7	7.7	5.0	8.0	6.0	6.3	6.6
SEASIDE II	7.7	6.0	7.7	7.7	4.0	7.3	5.3	7.3	6.3	6.3	6.6
SRX 1BPAA	7.0	5.3	7.3	7.0	5.3	7.7	5.3	8.7	6.3	5.7	6.6
BACKSPIN	6.0	6.7	7.0	6.7	6.7	7.3	5.7	8.0	5.7	5.3	6.5
GRAND PRIX	6.3	6.7	6.0	6.7	5.0	7.3	5.7	8.7	6.7	5.3	6.4
TRUELINE	6.3	6.0	7.0	7.3	5.7	7.7	5.3	7.3	6.0	5.7	6.4
PROVIDENCE	5.7	6.3	6.0	7.7	5.7	7.0	5.3	7.7	6.3	6.3	6.4
TIGER	6.3	4.3	5.7	7.0	6.3	7.7	7.3	7.0	6.0	5.7	6.3
PST-9PM	5.3	4.7	6.7	7.3	5.7	8.0	7.0	7.0	6.0	5.3	6.3
SR 1119	6.0	5.3	6.7	6.7	6.3	7.3	5.7	7.7	6.3	5.0	6.3
PRINCEVILLE	6.0	5.7	7.0	7.3	6.0	7.3	4.7	7.3	5.7	4.7	6.2
BRIGHTON (SRX 1120)	6.3	5.3	7.0	7.0	5.0	7.0	5.0	7.3	5.7	5.0	6.1
PENNEAGLE	6.3	5.7	6.0	7.0	6.0	7.0	4.7	7.3	5.0	5.0	6.0
PENNCROSS	6.7	5.3	5.3	7.0	5.0	7.3	5.0	8.0	5.0	5.0	6.0
GOLFSTAR	5.7	4.0	4.0	7.0	5.7	7.7	7.3	6.7	5.3	5.0	5.8
SEASIDE	4.0	4.0	4.7	7.0	6.7	6.3	3.0	5.3	4.0	2.0	4.7
LSD VALUE	0.9	1.3	0.9	1.1	1.7	0.8	1.1	1.0	1.2	1.5	0.4
C.V. (%)	8.8	15.1	7.8	9.7	17.5	6.6	11.4	8.0	12.6	15.7	11.3

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

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

TABLE 12.

SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/														
	IL1	IN1	MI1	MT1	NJ1	NY1	PA1	QE1	SD1	UT1	VA1	WA1	WA3	WI1	MEAN
IMPERIAL	5.7	6.7	6.7	8.7	6.0	7.3	8.3	7.3	5.3	5.7	7.0	8.3	6.7	6.7	6.9
BACKSPIN	6.3	6.7	6.7	8.0	4.7	7.7	8.0	7.3	5.3	5.7	7.0	8.0	6.7	6.7	6.8
L-93	7.3	5.7	7.0	8.0	6.0	7.3	7.7	7.7	4.7	5.3	6.7	8.0	6.3	7.0	6.8
TIGER II (CIS AT-5)	5.7	4.7	7.0	7.3	5.3	7.3	8.0	7.0	6.7	5.3	7.7	8.0	7.7	6.7	6.7
GRAND PRIX	6.0	6.3	6.7	7.0	5.3	7.7	8.3	8.0	4.7	5.3	7.0	8.7	6.3	7.0	6.7
SEASIDE II	5.7	6.0	7.0	7.3	5.0	8.0	7.7	7.0	5.0	6.3	8.0	7.3	6.7	7.3	6.7
SR 1119	6.3	6.0	7.0	8.3	5.7	7.3	8.0	7.7	4.7	5.0	7.3	7.7	6.3	6.7	6.7
SRX 1BPAA	6.0	6.3	7.0	8.0	6.3	7.3	7.7	7.0	4.3	5.0	7.3	8.7	6.0	7.0	6.7
CENTURY	5.3	7.0	6.3	8.3	4.3	7.3	8.0	7.3	5.3	5.0	7.7	8.7	6.3	6.7	6.7
BRIGHTON (SRX 1120)	6.3	6.0	7.0	7.0	5.7	7.3	7.7	7.3	4.7	6.0	7.7	7.3	6.3	6.7	6.6
PENN G-6	6.0	6.7	6.7	8.0	4.7	7.3	7.7	7.7	4.7	5.0	7.0	8.0	6.3	7.3	6.6
PROVIDENCE	6.3	6.0	7.3	7.3	4.7	7.0	7.7	7.7	5.3	5.7	6.7	7.7	6.3	6.7	6.6
SRX 7MODD	5.3	5.0	6.7	8.0	5.3	7.3	7.3	7.3	7.0	4.7	7.3	7.3	7.3	6.3	6.6
SR 7100	4.3	5.0	7.0	7.7	5.0	7.3	7.3	7.3	6.7	5.0	7.3	7.7	7.0	6.3	6.5
ABT-COL-2	4.3	5.0	7.0	8.0	5.7	7.7	7.0	7.0	6.3	3.7	7.0	8.0	7.3	7.0	6.5
TRUELINE	5.7	6.0	7.0	8.0	4.3	7.3	7.3	7.7	4.7	5.0	6.7	7.3	6.3	7.0	6.5
PST-OVN	5.7	5.7	7.0	7.0	5.0	7.7	7.0	7.7	5.0	4.3	6.7	8.0	5.7	6.7	6.4
SRX 7MOEB	4.7	4.3	7.0	7.3	5.0	7.0	7.3	7.3	6.3	4.0	7.0	7.3	8.0	6.3	6.4
GLORY (EST-9HG)	5.3	4.7	6.3	7.0	4.7	7.0	7.0	7.7	6.7	5.0	7.0	7.3	6.3	6.0	6.3
PENNEAGLE	6.0	5.0	6.7	7.7	3.0	7.0	7.0	7.0	4.3	6.3	7.3	7.3	6.0	6.7	6.2
PRINCEVILLE	5.0	5.3	7.0	7.7	3.3	7.7	6.7	7.3	5.3	5.7	6.3	7.3	6.3	6.3	6.2
PST-9PM	4.7	4.7	7.0	6.7	4.0	7.3	6.3	7.0	6.0	5.3	6.7	7.0	7.7	6.3	6.2
PENNCROSS	5.3	5.3	7.0	7.3	2.7	7.7	6.7	6.7	5.0	5.0	6.7	8.0	6.0	6.7	6.1
TIGER	4.0	3.3	7.0	6.3	4.7	7.3	7.3	7.0	6.3	4.7	5.7	7.0	6.7	6.3	6.0
GOLFSTAR	4.3	3.7	6.7	6.3	3.0	7.0	7.0	7.0	6.3	4.3	6.7	6.7	6.0	5.3	5.7
SEASIDE	4.0	3.3	6.7	5.3	1.7	6.7	4.0	6.3	4.0	4.7	6.7	5.3	5.0	4.7	4.9
LSD VALUE	1.1	1.5	0.8	1.5	2.0	0.8	1.0	0.8	0.9	2.2	1.4	1.0	1.0	0.8	0.3
C.V. (%)	12.6	16.8	7.4	12.6	26.5	6.9	8.2	7.0	10.0	26.9	12.2	8.0	9.2	7.7	12.3

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

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

TABLE 13.

FALL DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/										MEAN
	IL1	IN1	MI1	MN1	PA1	QE1	UT1	VA1	WA1	WI1	
SEASIDE II	8.0	6.3	7.3	6.7	7.7	7.7	6.3	7.3	7.3	7.3	7.2
CENTURY	7.0	7.7	6.3	6.3	7.7	7.3	6.3	6.7	8.0	6.3	7.0
L-93	7.7	6.7	7.0	6.7	7.7	8.0	6.7	5.0	7.3	6.7	6.9
IMPERIAL	6.7	6.0	6.7	7.0	7.7	7.7	7.3	5.7	8.0	6.7	6.9
TIGER II (CIS AT-5)	7.7	4.3	7.3	6.7	8.0	7.7	6.0	6.7	7.7	7.0	6.9
PROVIDENCE	6.7	6.3	7.7	6.7	7.3	7.3	6.3	6.0	7.7	6.7	6.9
TRUELINE	7.3	5.3	7.3	6.3	7.0	8.0	7.7	6.0	7.3	6.3	6.9
SRX 1BPAA	7.0	5.7	7.3	6.3	7.3	7.3	6.3	6.3	8.0	6.7	6.8
PENN G-6	7.0	6.0	7.3	6.0	7.0	7.7	7.0	5.3	7.7	7.0	6.8
GRAND PRIX	7.0	6.3	6.7	6.3	8.0	7.7	7.0	4.3	7.7	6.7	6.8
ABT-COL-2	7.7	4.3	7.0	7.0	7.7	8.0	4.3	6.7	7.3	7.3	6.7
PST-0VN	7.3	5.3	7.0	6.0	6.7	7.3	6.7	5.7	8.0	7.0	6.7
SRX 7MODD	7.0	4.7	7.0	6.3	8.0	8.0	4.3	6.7	7.7	7.3	6.7
SR 7100	8.0	4.7	7.3	6.7	7.0	7.7	5.0	5.3	8.0	7.0	6.7
BACKSPIN	6.3	7.0	6.7	6.7	7.3	7.3	6.0	5.7	7.0	6.3	6.6
SRX 7MOBB	7.0	3.3	7.3	6.7	7.3	8.0	5.3	6.7	7.3	7.0	6.6
GLORY (PST-9HG)	7.3	4.3	6.3	5.7	7.7	8.0	6.7	6.0	7.0	6.7	6.6
BRIGHTON (SRX 1120)	6.3	5.3	7.0	6.0	7.0	7.3	6.3	6.7	7.3	6.0	6.5
PRINCEVILLE	6.0	5.7	7.3	6.0	6.7	7.3	8.0	5.0	6.7	6.0	6.5
SR 1119	6.7	5.0	7.0	6.3	7.0	7.3	6.3	5.7	7.0	6.0	6.4
PENNEAGLE	7.0	5.0	7.0	5.7	6.0	6.3	7.0	6.3	6.7	6.0	6.3
PST-9PM	7.0	5.3	7.7	6.0	5.0	7.0	5.7	6.7	6.7	6.0	6.3
PENNCROSS	6.7	5.0	7.0	5.3	5.3	7.3	6.7	5.3	7.3	6.3	6.2
TIGER	7.0	3.0	7.0	7.0	6.0	8.0	4.7	4.7	7.0	6.3	6.1
GOLFSTAR	6.7	2.7	7.0	5.7	6.7	6.7	5.3	5.3	7.0	5.3	5.8
SEASIDE	4.3	2.3	6.7	4.7	2.7	6.0	5.3	4.3	5.0	3.7	4.5
LSD VALUE	0.8	1.4	1.0	1.0	1.2	0.8	1.5	1.5	0.9	1.0	0.4
C.V. (%)	6.7	16.8	8.5	10.4	11.0	6.3	14.7	16.1	7.6	9.8	10.7

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

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

TABLE 14. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	KY1	MI1	SD1	MEAN
GLORY (PST-9HG)	93.0	91.7	96.3	93.7
SRX 7MODD	91.7	91.7	97.7	93.7
SRX 7MOBB	93.3	91.7	95.0	93.3
TIGER II (CIS AT-5)	90.0	93.3	95.0	92.8
TIGER	84.0	91.7	99.0	91.6
SR 7100	82.3	91.7	96.3	90.1
ABT-COL-2	86.7	91.7	86.7	88.3
PST-9PM	68.3	90.0	96.3	84.9
PENNEAGLE	85.0	93.3	75.0	84.4
PRINCEVILLE	83.3	90.0	80.0	84.4
PENN G-6	93.0	90.0	66.7	83.2
SR 1119	85.0	91.7	71.7	82.8
GOLFSTAR	60.0	91.7	96.0	82.6
BACKSPIN	75.0	93.3	78.3	82.2
CENTURY	85.7	93.3	66.7	81.9
IMPERIAL	90.0	90.0	65.0	81.7
SRX 1BPAA	86.7	91.7	65.0	81.1
PENNCROSS	75.0	90.0	73.3	79.4
SEASIDE II	90.0	90.0	58.3	79.4
L-93	88.3	93.3	55.0	78.9
PROVIDENCE	83.3	90.0	63.3	78.9
TRUELINE	76.7	90.0	66.7	77.8
BRIGHTON (SRX 1120)	85.0	90.0	53.3	76.1
SEASIDE	48.3	93.3	80.0	73.9
PST-0VN	82.3	93.3	45.0	73.6
GRAND PRIX	66.7	91.7	50.0	69.4
LSD VALUE	10.6	3.8	14.7	6.2
C.V. (%)	8.0	2.6	12.1	8.0

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

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

TABLE 15. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	KYL	MI1	MEAN
TIGER II (CIS AT-5)	94.7	91.7	93.2
L-93	91.3	93.3	92.3
PRINCEVILLE	91.7	90.0	90.8
GLORY (PST-9HG)	89.7	91.7	90.7
SR 7100	85.7	91.7	88.7
PST-9PM	89.0	88.3	88.7
ABT-COL-2	85.7	90.0	87.8
SRX 7MOBB	80.0	91.7	85.8
PENNCROSS	79.0	91.7	85.3
PENN G-6	80.3	90.0	85.2
GRAND PRIX	76.7	91.7	84.2
PENNEAGLE	75.0	93.3	84.2
TIGER	75.0	91.7	83.3
SRX 1BPAA	71.7	90.0	80.8
SRX 7MODD	68.3	91.7	80.0
BRIGHTON (SRX 1120)	65.0	90.0	77.5
SR 1119	61.7	91.7	76.7
TRUELINE	63.3	90.0	76.7
SEASIDE	58.3	93.3	75.8
GOLFSTAR	55.0	91.7	73.3
BACKSPIN	53.3	93.3	73.3
IMPERIAL	56.7	90.0	73.3
SEASIDE II	53.3	91.7	72.5
CENTURY	48.3	93.3	70.8
PROVIDENCE	51.7	90.0	70.8
PST-0VN	45.0	93.3	69.2
LSD VALUE	25.1	4.5	12.7
C.V. (%)	22.0	3.0	13.8

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 16. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	KYL	MI1	MEAN
TIGER II (CIS AT-5)	97.3	91.7	94.5
GLORY (PST-9HG)	96.0	90.0	93.0
PST-9PM	96.0	88.3	92.2
ABT-COL-2	91.7	90.0	90.8
SR 7100	89.7	91.7	90.7
SRX 7MODD	87.3	91.7	89.5
TIGER	87.3	91.7	89.5
SRX 7MOBB	86.7	91.7	89.2
L-93	81.7	95.0	88.3
TRUELINE	81.3	90.0	85.7
PENNEAGLE	76.7	91.7	84.2
PST-0VN	75.0	91.7	83.3
GOLFSTAR	73.3	91.7	82.5
PENNCROSS	73.3	91.7	82.5
PENN G-6	73.3	90.0	81.7
PRINCEVILLE	73.3	90.0	81.7
SEASIDE	68.3	93.3	80.8
CENTURY	66.7	93.3	80.0
PROVIDENCE	70.0	90.0	80.0
SRX 1BPAA	70.0	90.0	80.0
GRAND PRIX	66.7	91.7	79.2
BRIGHTON (SRX 1120)	65.0	90.0	77.5
SR 1119	63.3	91.7	77.5
SEASIDE II	61.7	91.7	76.7
IMPERIAL	60.0	93.3	76.7
BACKSPIN	58.3	93.3	75.8
LSD VALUE	12.4	4.9	6.7
C.V. (%)	10.1	3.3	7.0

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

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

TABLE 17. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

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

NAME	KY1	VA1	MEAN
PST-9PM	9.0	4.0	6.5
GLORY (PST-9HG)	9.0	3.3	6.2
SRX 7MODD	9.0	3.3	6.2
TIGER	9.0	3.3	6.2
SR 7100	7.3	4.3	5.8
SRX 7MOBB	7.7	3.3	5.5
BRIGHTON (SRX 1120)	7.7	3.0	5.3
GOLFSTAR	7.7	3.0	5.3
TRUELINE	7.7	3.0	5.3
SRX 1BPAA	7.7	2.7	5.2
PST-0VN	7.3	3.0	5.2
ABT-COL-2	7.0	3.0	5.0
BACKSPIN	7.7	2.3	5.0
PENNCROSS	7.3	2.7	5.0
PROVIDENCE	7.3	2.7	5.0
SEASIDE	6.7	3.0	4.8
PENNEAGLE	7.0	2.7	4.8
CENTURY	7.0	2.3	4.7
PRINCEVILLE	7.0	2.3	4.7
SEASIDE II	6.7	2.7	4.7
TIGER II (CIS AT-5)	6.0	3.3	4.7
SR 1119	7.3	2.0	4.7
GRAND PRIX	6.7	2.3	4.5
IMPERIAL	7.3	1.7	4.5
PENN G-6	6.7	2.0	4.3
L-93	6.0	2.0	4.0
LSD VALUE	0.9	1.0	0.7
C.V. (%)	7.6	21.2	11.4

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

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

TABLE 18. DROUGHT TOLERANCE (DORMANCY) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

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

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
SRX 7MOBB	5.7
SRX 7MODD	5.7
TIGER	5.7
PST-0VN	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.

TABLE 19. TYPHULA BLIGHT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

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

NAME	SD1
GOLFSTAR	8.0
SR 7100	8.0
TIGER	8.0
TIGER II (CIS AT-5)	8.0
GLORY (PST-9HG)	7.7
PST-9PM	7.7
SRX 7MODD	7.7
ABT-COL-2	7.3
SRX 7MOBB	7.3
SEASIDE	5.3
SR 1119	5.0
BACKSPIN	4.3
PENNEAGLE	4.3
PRINCEVILLE	4.3
PENNCROSS	4.0
IMPERIAL	3.7
TRUELINE	3.7
CENTURY	3.3
SRX 1BPAA	3.3
PENN G-6	3.0
BRIGHTON (SRX 1120)	2.7
GRAND PRIX	2.7
SEASIDE II	2.7
PROVIDENCE	2.3
L-93	2.0
PST-0VN	1.0
LSD VALUE	1.9
C.V. (%)	24.6

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 20. MICRODOCHIUM PATCH RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

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

NAME	MN1
TIGER II (CIS AT-5)	9.0
SRX 7MODD	8.7
PST-9PM	8.3
SRX 7MOBB	8.3
GLORY (PST-9HG)	7.7
GOLFSTAR	7.3
SR 7100	6.3
SR 1119	6.0
TIGER	6.0
TRUELINE	6.0
ABT-COL-2	5.3
PRINCEVILLE	5.3
PROVIDENCE	5.3
SEASIDE	5.3
L-93	5.0
PENNEAGLE	5.0
BACKSPIN	4.7
SRX 1BPAA	4.7
PENN G-6	4.3
PST-0VN	4.3
GRAND PRIX	4.0
SEASIDE II	4.0
BRIGHTON (SRX 1120)	3.7
CENTURY	3.3
IMPERIAL	3.3
PENNCROSS	3.3
LSD VALUE	2.6
C.V. (%)	28.9

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 21. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

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

NAME	NJ1	PA1	MEAN
GOLFSTAR	9.0	8.7	8.8
GLORY (PST-9HG)	9.0	8.3	8.7
SRX 7MOBB	9.0	8.3	8.7
TIGER II (CIS AT-5)	9.0	8.3	8.7
ABT-COL-2	9.0	7.7	8.3
SRX 7MODD	8.7	8.0	8.3
TIGER	8.7	8.0	8.3
SR 7100	8.3	8.0	8.2
PENNCROSS	7.7	6.7	7.2
SEASIDE II	6.3	8.0	7.2
L-93	6.0	8.0	7.0
PST-0VN	6.3	7.3	6.8
PST-9PM	5.7	7.7	6.7
SEASIDE	5.3	8.0	6.7
TRUELINE	5.3	7.7	6.5
SR 1119	6.0	6.7	6.3
SRX 1BPAA	4.3	8.0	6.2
PENNEAGLE	5.0	6.3	5.7
PENN G-6	4.3	6.3	5.3
PRINCEVILLE	4.7	5.7	5.2
BRIGHTON (SRX 1120)	4.0	5.7	4.8
IMPERIAL	3.7	5.7	4.7
BACKSPIN	4.7	4.3	4.5
GRAND PRIX	2.7	6.0	4.3
CENTURY	3.3	4.3	3.8
PROVIDENCE	2.3	4.7	3.5
LSD VALUE	1.7	1.3	1.0
C.V. (%)	16.9	11.2	14.0

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

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

TABLE 22. BROWN PATCH (WARM TEMPERATURE) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/				
NAME	MN1	NJ1	PA1	MEAN
BRIGHTON (SRX 1120)	9.0	9.0	9.0	9.0
CENTURY	9.0	9.0	9.0	9.0
GRAND PRIX	9.0	9.0	9.0	9.0
PENN G-6	9.0	9.0	9.0	9.0
PROVIDENCE	9.0	9.0	9.0	9.0
SEASIDE II	9.0	9.0	9.0	9.0
SRX 1BPAA	9.0	9.0	9.0	9.0
BACKSPIN	8.3	9.0	9.0	8.8
PRINCEVILLE	8.3	9.0	9.0	8.8
SEASIDE	8.3	9.0	9.0	8.8
IMPERIAL	8.0	9.0	9.0	8.7
L-93	8.0	9.0	9.0	8.7
PENNCROSS	8.0	9.0	9.0	8.7
TRUELINE	8.0	9.0	9.0	8.7
PENNEAGLE	7.7	9.0	9.0	8.6
PST-OVN	7.3	9.0	9.0	8.4
PST-9PM	9.0	9.0	7.3	8.4
SR 1119	7.3	9.0	9.0	8.4
TIGER II (CIS AT-5)	9.0	7.7	8.3	8.3
GOLFSTAR	8.7	7.7	8.0	8.1
SRX 7MODD	8.3	6.3	7.7	7.4
GLORY (PST-9HG)	7.7	5.3	7.7	6.9
SR 7100	6.7	6.7	7.3	6.9
SRX 7MOBB	9.0	3.7	7.3	6.7
TIGER	8.0	4.0	7.3	6.4
ABT-COL-2	7.0	4.7	6.7	6.1
LSD VALUE	1.9	1.7	0.7	0.9
C.V. (%)	14.3	13.3	5.0	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 23. PINK SNOW MOLD RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

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

NAME	UT1	WA1	WA4	MEAN
BACKSPIN	3.7	6.0	8.0	5.9
ABT-COL-2	4.7	5.7	7.0	5.8
GLORY (PST-9HG)	4.0	6.7	6.7	5.8
L-93	3.7	6.0	7.7	5.8
SRX 7MOBB	5.0	6.3	6.0	5.8
PENNCROSS	3.7	4.7	8.0	5.4
PENN G-6	3.3	4.3	8.7	5.4
TIGER	3.3	6.7	6.3	5.4
PENNEAGLE	4.7	2.7	8.7	5.3
TIGER II (CIS AT-5)	3.3	6.3	6.3	5.3
GOLFSTAR	4.3	3.7	7.7	5.2
TRUELINE	3.0	5.0	7.7	5.2
IMPERIAL	3.0	5.3	7.3	5.2
PST-OVN	2.3	5.0	8.0	5.1
SR 1119	3.7	6.0	5.7	5.1
SR 7100	4.0	3.7	7.7	5.1
BRIGHTON (SRX 1120)	2.7	4.0	8.3	5.0
CENTURY	3.0	4.0	7.7	4.9
SRX 7MODD	3.3	5.0	6.3	4.9
GRAND PRIX	2.3	5.0	6.7	4.7
PST-9PM	3.3	3.0	7.7	4.7
PRINCEVILLE	3.0	2.7	7.7	4.4
PROVIDENCE	2.3	3.7	7.3	4.4
SRX 1BPAA	3.0	3.7	6.0	4.2
SEASIDE	2.7	2.0	7.7	4.1
SEASIDE II	3.0	2.3	6.3	3.9
LSD VALUE	2.0	3.3	1.7	1.4
C.V. (%)	36.8	45.0	14.7	30.0

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 24. PERCENT POA ANNUA (SPRING) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE 2/
2001 DATA

NAME	INL	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
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
PST-0VN	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.

TABLE 25. GRAY SNOW MOLD RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

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

NAME	MI1
ABT-COL-2	8.0
BRIGHTON (SRX 1120)	8.0
PENN G-6	8.0
PENNEAGLE	8.0
PRINCEVILLE	8.0
PST-OVN	8.0
SRX 1BPAA	8.0
SRX 7MOBB	8.0
SRX 7MODD	8.0
TIGER II (CIS AT-5)	8.0
PST-9PM	7.7
SR 7100	7.7
TRUELINE	7.3
GLORY (PST-9HG)	7.0
L-93	7.0
PENNCROSS	7.0
SR 1119	7.0
SEASIDE II	6.3
TIGER	6.3
BACKSPIN	6.0
CENTURY	6.0
IMPERIAL	6.0
PROVIDENCE	6.0
GRAND PRIX	5.7
SEASIDE	5.7
GOLFSTAR	4.3
LSD VALUE	2.3
C.V. (%)	20.6

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

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

TABLE 26. SNOW MOLD COMPLEX RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
2001 DATA

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

NAME	WI1
SR 7100	6.0
SRX 7MOBB	5.7
SRX 7MODD	5.0
TIGER II (CIS AT-5)	5.0
ABT-COL-2	4.7
PST-9PM	4.7
PENNCROSS	4.0
TIGER	4.0
GLORY (PST-9HG)	3.7
GOLFSTAR	3.7
L-93	3.7
PST-0VN	3.7
BRIGHTON (SRX 1120)	3.3
CENTURY	3.3
PENNEAGLE	3.3
PROVIDENCE	3.3
SEASIDE II	3.3
SRX 1BPAA	3.3
BACKSPIN	3.0
GRAND PRIX	3.0
IMPERIAL	3.0
PENN G-6	3.0
SR 1119	3.0
TRUELINE	3.0
SEASIDE	2.7
PRINCEVILLE	2.0
LSD VALUE	1.9
C.V. (%)	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.

TABLE 27. PERCENT DOLLAR SPOT (AUGUST) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE 2/
2001 DATA

NAME	KY1
CENTURY	66.7
IMPERIAL	55.0
GRAND PRIX	48.3
PENNCROSS	48.3
SEASIDE	48.3
SR 1119	48.3
PROVIDENCE	45.0
PENNEAGLE	41.7
BACKSPIN	40.0
PENN G-6	35.0
PRINCEVILLE	29.0
SEASIDE II	26.7
BRIGHTON (SRX 1120)	25.3
PST-0VN	25.0
SRX 1BPAA	25.0
TRUELINE	21.7
L-93	15.7
GOLFSTAR	10.0
ABT-COL-2	0.0
GLORY (PST-9HG)	0.0
PST-9PM	0.0
SR 7100	0.0
SRX 7MOBB	0.0
SRX 7MODD	0.0
TIGER	0.0
TIGER II (CIS AT-5)	0.0
LSD VALUE	22.8
C.V. (%)	56.2

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

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

TABLE 28. DOLLAR SPOT RATINGS OF BENIGRASS CULTIVARS
 GROWN ON A FAIRWAY OR TEE 1/
 AT ITHACA, NY
 2001 DATA

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

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
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
PST-0VN	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.

TABLE 29. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE 1/
AT BLACKSBURG, VA
2001 DATA

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

NAME	MARCH	AUGUST	DECEMBER	MEAN
SEASIDE II	6.3	7.0	6.3	6.6
SRX 7MODD	5.7	6.7	7.0	6.4
GLORY (PST-9HG)	6.3	6.7	6.0	6.3
PENN G-6	6.7	5.0	7.3	6.3
PST-9FM	6.0	6.7	6.3	6.3
GOLFSTAR	6.7	6.0	6.0	6.2
PENNEAGLE	6.7	6.3	5.7	6.2
PST-0VN	6.0	6.0	6.7	6.2
TIGER II (CIS AT-5)	6.3	6.0	6.3	6.2
SR 7100	6.3	6.3	5.3	6.0
ABT-COL-2	6.3	5.7	5.7	5.9
L-93	5.3	5.0	6.7	5.7
PENNCROSS	6.0	5.0	6.0	5.7
SR 1119	5.7	5.7	5.7	5.7
SRX 7MOBB	5.7	5.7	5.7	5.7
TIGER	5.3	5.0	6.0	5.4
TRUELINE	5.7	5.3	5.3	5.4
SEASIDE	6.3	5.7	4.0	5.3
SRX 1BPAA	5.7	5.7	4.7	5.3
BRIGHTON (SRX 1120)	4.7	4.3	6.0	5.0
GRAND PRIX	4.3	3.7	6.7	4.9
PRINCEVILLE	4.3	4.3	5.0	4.6
PROVIDENCE	4.3	4.7	4.0	4.3
BACKSPIN	3.7	3.7	4.7	4.0
IMPERIAL	4.0	3.3	4.3	3.9
CENTURY	3.3	3.3	3.3	3.3
LSD VALUE	2.0	1.8	2.9	1.3
C.V. (%)	19.2	19.3	22.7	14.1

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 30. TAKE-ALL PATCH RATINGS OF BENTGRASS CULTIVARS
 GROWN ON A FAIRWAY OR TEE 1/
 AT MADISON, WI
 2001 DATA

TAKE-ALL PATCH RATINGS 1-9; 9=NO DISEASE 2/			
NAME	6_13	6_18	MEAN
GRAND PRIX	7.7	5.3	6.5
BACKSPIN	6.7	5.7	6.2
PST-OVN	7.0	5.3	6.2
PRINCEVILLE	6.3	5.7	6.0
TIGER	5.7	6.3	6.0
PENN G-6	6.3	5.0	5.7
SRX 1BPAA	6.0	5.0	5.5
GLORY (PST-9HG)	5.7	5.0	5.3
BRIGHTON (SRX 1120)	6.0	4.3	5.2
SR 1119	6.0	4.3	5.2
TIGER II (CIS AT-5)	5.3	5.0	5.2
IMPERIAL	5.3	4.7	5.0
ABT-COL-2	4.7	4.7	4.7
CENTURY	5.3	4.0	4.7
PST-9PM	5.0	4.3	4.7
SR 7100	4.0	5.3	4.7
PENNCROSS	4.7	4.0	4.3
TRUELINE	4.7	4.0	4.3
PENNEAGLE	4.7	3.7	4.2
L-93	4.3	3.7	4.0
SEASIDE II	4.3	3.7	4.0
SRX 7MOBB	4.0	4.0	4.0
SRX 7MODD	3.7	4.3	4.0
PROVIDENCE	4.3	3.0	3.7
SEASIDE	2.7	4.7	3.7
GOLFSTAR	4.0	2.7	3.3
LSD VALUE	3.4	2.9	2.4
C.V. (%)	28.8	25.9	22.9

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 31. PERCENT BROWN PATCH RATINGS OF BENTGRASS CULTIVARS
 GROWN ON A FAIRWAY OR TEE 1/
 AT LEXINGTON, KY 2/
 2001 DATA

NAME	MAY	JUNE	JULY	AUGUST	MEAN
SFX 7MOBB	25.7	23.0	75.0	50.0	43.4
ABT-COL-2	46.7	36.7	45.0	30.0	39.6
TIGER	13.0	35.7	36.7	52.3	34.4
SFX 7MODD	25.7	16.3	31.7	46.0	29.9
TIGER II (CIS AT-5)	29.3	26.7	31.7	28.3	29.0
PST-9PM	13.3	26.7	36.7	36.7	28.3
SR 7100	20.0	1.7	43.3	43.3	27.1
GOLFSTAR	3.3	7.3	53.3	21.7	21.4
GLORY (PST-9HG)	12.3	13.0	25.0	33.3	20.9
SEASIDE	0.0	0.0	36.0	26.7	15.7
CENTURY	28.3	0.0	0.0	0.0	7.1
L-93	21.0	4.0	0.0	0.0	6.3
PROVIDENCE	24.0	0.0	0.0	0.0	6.0
IMPERIAL	9.0	0.0	0.0	0.0	2.3
SR 1119	0.0	5.7	0.0	0.0	1.4
PRINCEVILLE	5.0	0.0	0.0	0.0	1.3
BRIGHTON (SRX 1120)	3.3	0.0	0.0	0.0	0.8
PST-OVN	2.3	0.0	0.0	0.0	0.6
PENNCROSS	1.7	0.0	0.0	0.0	0.4
SEASIDE II	1.0	0.0	0.0	0.0	0.3
BACKSPIN	0.0	0.0	0.0	0.0	0.0
GRAND PRIX	0.0	0.0	0.0	0.0	0.0
PENN G-6	0.0	0.0	0.0	0.0	0.0
PENNEAGLE	0.0	0.0	0.0	0.0	0.0
SFX 1BPAA	0.0	0.0	0.0	0.0	0.0
TRUELINE	0.0	0.0	0.0	0.0	0.0
LSD VALUE	17.5	11.0	21.9	14.6	8.6
C.V. (%)	95.5	93.9	87.9	67.9	47.6

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.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR BENTGRASS CULTIVARS
IN THE 1998 NATIONAL BENTGRASS (FAIRWAY) TEST */
2001 DATA

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

NAME	STATISTICS FOR ALL LOCATIONS						
	ALL LOCATIONS		SUM OF	HIGHEST	LOWEST	MAXIMUM	IN TOP 25% 7/
	MEAN 1/	RANK 2/	RANKS 3/	RANK 4/	RANK 5/	RANK 6/	
ABT-COL-2	5.6	16	230	9	3	26	27.8
BACKSPIN	5.6	10	271	21	3	26	22.2
BRIGHTON (SRX 1120)	5.6	15	267	19	3	23	11.1
CENTURY	5.6	14	251	16	1	26	16.7
GLORY (PST-9HG)	5.8	6	187	4	1	25	50.0
GOLFSTAR	5.0	25	364	25	1	26	5.6
GRAND PRIX	5.7	9	235	13	2	24	33.3
IMPERIAL	5.7	8	225	7	1	23	27.8
L-93	5.9	2	176	2	1	24	38.9
PENN G-6	5.9	3	193	5	1	22	16.7
PENNCROSS	5.5	21	261	18	3	25	5.6
PENNEAGLE	5.5	20	268	20	1	25	16.7
PENNLINKS II (PST-OVN)	5.6	13	259	17	1	25	11.1
PRINCEVILLE	5.6	11	243	14	2	22	16.7
PROVIDENCE	5.4	22	299	24	2	26	5.6
PST-9PM	5.4	23	248	15	4	25	16.7
SEASIDE	4.4	26	439	26	12	26	0.0
SEASIDE II	5.5	17	288	23	3	25	16.7
SR 1119	5.8	5	217	6	2	22	27.8
SR 7100	5.5	19	235	13	2	24	27.8
SR 7150 (SRX 7MODD)	5.6	12	231	10	2	26	38.9
SRX 1BPAA	5.9	4	182	3	3	21	33.3
SRX 7MOBB	5.5	18	233	11	1	24	16.7
TIGER	5.4	24	278	22	2	25	27.8
TIGER II (CIS AT-5)	6.0	1	156	1	1	25	61.1
TRUELINE	5.7	7	230	9	5	21	22.2
LSD VALUE	0.2						
C.V. (%)	8.0						

*/ 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.