

## **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>
Alabama	Auburn	AL1
Arizona	Tucson	AZ1
Illinois	Urbana	IL1
Iowa	Ames	IA1
Kansas	Manhattan	KS1
Kentucky	Lexington (With Fungicides)	KY1
Kentucky	Lexington (Without Fungicides)	KY2
Maine	Orono	ME1
Michigan	East Lansing	MI1
Missouri	Columbia	MO1
Montana	Bozeman	MT1
Nebraska	Mead	NE1
New Jersey	North Brunswick	NJ1
New York	Ithaca	NY1
Oklahoma	Stillwater	OK1
Pennsylvania	University Park	PA1
Texas	Dallas	TX1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Washington	Puyallup (With Fungicides)	WA3
Washington	Puyallup (Without Fungicides)	WA4
Wisconsin	Madison (With Fungicides)	WI1
Wisconsin	Madison (Without Fungicides)	WI1

1998 NATIONAL BENTGRASS TEST  
(Putting Green)

Entries and Sponsors

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

TABLE A.

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

LOCATION	SOIL TEXTURE	SOIL PH	SOIL PHOSPHOROUS (LBS/ACRE)	SOIL POTASSIUM (LBS/ACRE)	NITROGEN (LBS/1000 SQ FT)	SUN OR SHADE	MOWING HEIGHT (IN)	IRRIGATION PRACTICED
AL1	SAND	5.6-6.0	61-150	151-240	2.1-3.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
AZ1	SAND	8.6+	0-60	0-150	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
IA1	SILTY CLAY LOAM	7.1-7.5	0-60	241-375	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
KS1	SILT LOAM AND SILT	6.6-7.0	151-270	241-375	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
KY1	SAND	6.6-7.0	0-60	151-240	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
KY2	SAND	6.6-7.0	0-60	151-240	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
ME1	-	-	-	-	-	-	1/8-5/32	-
MI1	SANDY LOAM	7.1-7.5	61-150	151-240	4.1-5.0	FULL SUN	1/8-5/32	TO PREVENT DORMANCY
MO1	SAND	7.1-7.5	61-150	151-240	5.1-6.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
MT1	SILT LOAM AND SILT	7.1-7.5	61-150	501+	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
NE1	SAND	8.6+	61-150	241-375	5.1-6.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
NJ1	SAND	6.1-6.5	0-60	0-150	2.1-3.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
NY1	SANDY LOAM	6.1-6.5	151-270	241-375	3.1-4.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
OK1	SAND	7.6-8.5	0-60	0-150	2.1-3.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
PA1	LOAMY SAND	6.6-7.0	61-150	0-150	4.1-5.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
TX1	SAND	7.6-8.5	0-60	0-150	5.1-6.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
UT1	SAND	6.6-7.0	61-150	0-150	4.1-5.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
VA1	SAND	5.6-6.0	0-60	0-150	5.1-6.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
WA3	SAND	6.1-6.5	0-60	151-240	6.1-7.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
WA4	SAND	6.1-6.5	0-60	151-240	6.1-7.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
WI1	SILTY CLAY LOAM	7.6-8.5	61-150	151-240	1.1-2.0	FULL SUN	1/8-5/32	TO PREVENT STRESS
WI2	SILTY CLAY LOAM	7.6-8.5	61-150	151-240	1.1-2.0	FULL SUN	1/8-5/32	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
AL1	X	X	X	X	X	X	X	X	X	X	X	X	X		X
AZ1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IA1					X	X	X	X	X	X			X	X	X
IL1				X	X	X	X	X	X	X			X	X	
KS1					X	X		X		X					X
KY1			X	X	X	X	X	X	X	X			X		
KY2			X	X	X	X	X	X	X	X				X	
ME1					X	X	X	X	X	X			X		X
MI1				X	X	X	X	X	X	X	X		X	X	X
MO1			X	X	X	X	X	X	X	X					
MT1						X	X	X	X				X		X
NE1				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
OK1			X	X	X	X	X	X	X	X	X		X	X	X
PA1							X	X	X					X	X
TX1	X	X	X	X	X	X	X	X	X	X	X	X	X		X
UT1				X	X	X	X	X	X	X					
VA1			X	X	X	X	X	X	X	X	X	X	X	X	
WA3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
WA4	X	X	X	X	X	X	X	X	X	X	X	X			
WI1					X	X	X	X	X	X	X		X	X	
WI2					X	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	DOLIAR SPOT	BROWN PATCH WARM TEMP.	PYTHIUM BLIGHT	BROWN PATCH COOL TEMP.	PINK SNOW MOLD	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER
AL1							X								
AZ1	X	X	X	X	X	X	X						X	X	X
IA1															
IL1	X	X	X												
KS1															
KY1	X														
KY2	X				X	X									
ME1								X				X			
MI1	X	X	X	X	X	X			X						
MO1				X	X			X		X					
MT1	X	X													
NE1	X	X	X												
NJ1		X						X							
NY1		X													
OK1	X			X	X	X	X				X				
PA1			X												
TX1	X	X	X				X								X
UT1		X										X			
VA1		X	X				X								
WA3	X	X													
WA4															
WI1	X	X	X						X						
WI2	X	X	X						X						

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2001

LOCATION	SNOW MOLD	PATCH DISEASE	GRAY LEAF SPOT	MOSS INVASION (OCTOBER)	DOLLAR SPOT (LESS FUNG.)	DOLLAR SPOT RATINGS						BROWN PATCH				TAKE ALL	TAKE ALL	COLOR RATINGS		
						JAN	MAR	APR	MAY	JUN	JUL	AUG	SEP	NOV	MAY	JUL	AUG	OCT	6/13	6/28
AL1						X	X											X	X	X
AZ1																				
IA1																				
IL1																				
KS1																				
KY1																				
KY2										X	X	X								
ME1														X	X	X	X			
MI1			X																	
MO1																				
MT1																				
NE1		X																		
NJ1					X															
NY1																				
OK1								X	X											
PA1																				
TX1																				
UT1				X																
VA1								X	X											
WA3																				
WA4																				
WI1										X	X						X	X		
WI2	X									X	X						X	X		

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A SAND GREEN AT ELEVEN LOCATIONS IN THE U.S. 1/  
2001 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
	AL1	AZ1	KY1	MO1	NJ1	OK1	PA1	TX1	UT1	VA1	WA3	MEAN
* PENN A-1	7.0	6.9	8.4	4.9	6.7	7.5	7.3	6.9	5.9	6.2	6.1	6.7
* PENN G-1	6.8	6.5	8.0	5.5	6.6	7.1	7.0	6.8	5.4	6.1	6.0	6.5
* PENN A-4	6.2	7.5	8.1	4.9	5.9	7.0	7.3	6.8	6.0	5.6	6.4	6.5
* PENN A-2	6.7	6.9	8.3	5.0	5.8	7.2	6.8	6.9	5.4	6.0	5.9	6.4
* PENN G-6	6.3	6.3	7.3	4.9	6.5	7.0	7.6	6.7	5.1	5.8	5.8	6.3
* L-93	5.8	6.9	7.6	5.2	6.6	7.3	6.8	7.3	4.7	5.7	5.1	6.3
PST-A2E	6.7	6.1	7.4	4.5	6.1	6.7	6.1	7.2	5.6	6.0	6.2	6.2
* BENGAL (BAR AS 8FUS2)	6.4	7.4	7.2	5.4	6.0	6.9	7.0	6.2	5.0	5.4	5.3	6.2
SYN 96-1	5.6	6.1	7.3	4.9	5.5	6.7	8.2	6.1	5.9	5.7	6.1	6.2
SYN 96-3	6.2	5.6	6.8	4.6	6.0	6.9	7.9	6.4	5.4	6.2	6.1	6.2
SRX 1NJH	6.1	7.1	7.7	3.4	5.5	7.1	6.7	6.6	4.6	6.2	5.5	6.0
ISI AP-5	5.9	7.4	6.7	3.7	5.6	7.0	6.9	7.0	5.0	5.6	5.5	6.0
SYN 96-2	5.7	6.3	7.5	3.8	5.6	6.3	8.1	5.8	5.4	5.4	5.8	6.0
* IMPERIAL	5.7	7.0	6.5	3.5	5.9	6.4	6.7	6.7	5.5	6.0	5.5	5.9
BAR CB 8US3	5.9	6.6	6.3	5.7	5.5	6.6	6.4	6.0	4.7	5.3	5.9	5.9
PICK CB 13-94	5.6	6.8	6.1	4.1	5.0	6.8	6.8	6.9	5.4	6.1	5.1	5.9
SRX 1BPAA	6.4	7.0	6.4	4.5	5.0	6.9	5.9	6.5	5.1	5.2	5.6	5.9
* CENTURY	6.1	6.3	6.4	5.0	5.7	6.3	6.6	6.0	4.7	5.1	5.7	5.8
* BRIGHTON (SRX 1120)	5.8	6.4	6.3	5.0	5.5	7.0	5.8	5.9	4.7	5.3	5.6	5.8
* SR 1119	5.6	6.3	6.4	5.1	6.0	6.9	6.2	6.2	4.1	5.0	5.3	5.7
* BACKSPIN	5.3	6.6	6.0	4.5	5.4	6.4	6.3	6.5	4.6	5.6	5.5	5.7
ABT-CRB-1	4.9	5.8	7.5	3.8	5.6	6.7	6.6	6.8	5.2	4.6	5.4	5.7
* PROVIDENCE	5.4	6.9	6.0	4.1	5.4	6.8	6.0	6.1	5.2	5.2	5.3	5.7
* CRENSHAW	5.5	7.1	6.2	4.9	5.0	6.1	6.6	5.6	3.9	5.1	4.8	5.5
* PENNLINKS	5.3	6.0	5.3	5.5	4.3	6.2	5.6	6.3	3.8	5.1	4.3	5.2
* PENNCROSS	4.9	6.3	4.9	5.1	4.0	6.4	4.9	6.5	3.4	5.2	3.9	5.1
* VESPER (PICK MVB)	5.3	5.8	3.8	4.5	6.7	3.8	4.2	5.2	2.8	5.3	7.6	5.0
* SR 7200	4.2	5.4	3.4	4.3	7.3	4.3	4.6	5.4	2.5	5.4	7.0	4.9
* BAVARIA	3.1	6.1	3.4	4.3	2.0	1.4	1.0	5.3	2.9	4.4	2.9	3.3
LSD VALUE	1.0	1.0	0.5	1.3	0.7	0.9	0.9	0.6	1.3	0.7	0.5	0.3
C.V. (%)	10.8	9.7	4.7	16.9	7.9	8.3	8.4	6.2	16.5	8.4	5.7	9.5

\* 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 SOIL GREEN AT NINE LOCATIONS IN THE U.S. 1/  
2001 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/									
	IA1	IL1	KS1	ME1	MI1	MT1	NE1	NY1	WI1	MEAN
L-93	7.3	6.0	6.6	6.8	7.4	6.3	7.0	6.5	5.4	6.6
PENN G-1	6.9	5.3	6.7	6.7	7.1	5.7	6.8	6.7	5.6	6.4
SYN 96-2	7.4	5.0	6.3	7.2	7.3	5.8	6.8	6.3	5.0	6.3
PENN A-1	6.4	5.7	7.1	6.7	7.2	5.6	6.7	6.2	5.5	6.3
SYN 96-3	7.2	4.8	6.7	7.3	7.2	5.3	6.6	6.5	5.2	6.3
SYN 96-1	7.7	5.3	6.4	6.8	6.9	5.6	6.3	6.6	5.1	6.3
PENN A-2	6.6	5.6	6.4	6.3	7.1	5.4	6.9	6.3	5.7	6.3
PENN G-6	6.2	5.6	7.2	6.8	7.1	5.5	6.8	6.1	5.0	6.3
PST-A2E	6.9	5.0	6.8	6.8	7.1	5.3	6.3	6.4	5.6	6.2
CENTURY	6.8	5.1	6.4	6.8	7.2	5.8	5.9	6.9	4.7	6.2
ISI AP-5	6.3	5.0	5.9	6.9	6.9	5.5	6.6	6.5	5.5	6.1
PICK CB 13-94	6.3	5.2	6.2	6.8	7.2	5.8	5.9	6.5	5.4	6.1
PENN A-4	7.1	5.3	6.2	6.4	6.9	5.2	6.3	6.6	5.2	6.1
BENGAL (BAR AS 8FUS2)	7.1	5.5	6.3	6.7	6.9	4.5	6.7	6.1	5.3	6.1
ABT-CRB-1	6.7	4.8	6.8	6.8	6.9	5.6	6.2	6.1	5.2	6.1
CRENSHAW	7.4	5.1	6.2	6.4	6.9	6.0	6.2	6.3	4.4	6.1
SR 1119	6.2	5.2	6.3	6.7	7.0	6.3	5.8	6.5	5.0	6.1
SRX 1BPAA	6.1	4.8	6.0	6.8	7.0	6.2	6.2	5.9	5.7	6.1
IMPERIAL	7.2	5.0	6.4	6.4	7.2	5.1	6.0	6.4	4.9	6.1
SRX 1NJH	6.4	5.3	6.3	7.1	7.0	4.9	5.8	6.7	4.9	6.1
BRIGHTON (SRX 1120)	5.9	5.2	6.3	6.4	7.1	5.4	6.2	6.2	5.1	6.0
BAR CB 8US3	6.5	5.3	6.0	6.0	7.1	5.5	5.8	6.4	5.2	6.0
BACKSPIN	6.2	4.9	5.8	6.5	6.6	6.2	6.0	6.0	4.5	5.9
PROVIDENCE	6.0	5.5	6.6	5.9	7.0	4.8	6.3	5.8	4.4	5.8
PENNLINKS	5.0	4.6	5.4	6.4	7.0	6.3	5.6	5.7	5.0	5.7
PENNCROSS	4.8	4.8	5.9	5.9	6.8	6.3	5.2	5.7	5.0	5.6
VESPER (PICK MVB)	4.6	3.5	5.9	8.8	6.1	5.7	1.0	6.8	5.8	5.4
SR 7200	4.5	4.0	6.0	8.6	6.5	5.1	1.0	6.6	4.8	5.2
BAVARIA	4.5	3.0	5.8	6.1	6.9	4.3	1.0	6.0	3.7	4.6
LSD VALUE	0.8	0.8	1.0	0.6	0.5	1.6	0.5	0.6	0.9	0.3
C.V. (%)	7.5	9.4	9.5	5.4	4.5	18.1	5.8	6.1	11.3	9.0

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

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

TABLE 3. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN AT ELEVEN LOCATIONS USING 2.0-4.0 LBS OF NITROGEN/1000 SQ. FT./YEAR 1/ 2001 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
	AL1	AZ1	IA1	IL1	KS1	KY1	MT1	NJ1	NY1	OK1	WI1	MEAN
PENN A-1	7.0	6.9	6.4	5.7	7.1	8.4	5.6	6.7	6.2	7.5	5.5	6.6
L-93	5.8	6.9	7.3	6.0	6.6	7.6	6.3	6.6	6.5	7.3	5.4	6.6
PENN G-1	6.8	6.5	6.9	5.3	6.7	8.0	5.7	6.6	6.7	7.1	5.6	6.5
PENN A-2	6.7	6.9	6.6	5.6	6.4	8.3	5.4	5.8	6.3	7.2	5.7	6.4
PENN A-4	6.2	7.5	7.1	5.3	6.2	8.1	5.2	5.9	6.6	7.0	5.2	6.4
PENN G-6	6.3	6.3	6.2	5.6	7.2	7.3	5.5	6.5	6.1	7.0	5.0	6.3
PST-A2E	6.7	6.1	6.9	5.0	6.8	7.4	5.3	6.1	6.4	6.7	5.6	6.3
BENGAL (BAR AS 8FUS2)	6.4	7.4	7.1	5.5	6.3	7.2	4.5	6.0	6.1	6.9	5.3	6.2
SRX 1NJH	6.1	7.1	6.4	5.3	6.3	7.7	4.9	5.5	6.7	7.1	4.9	6.2
SYN 96-1	5.6	6.1	7.7	5.3	6.4	7.3	5.6	5.5	6.6	6.7	5.1	6.2
ISI AP-5	5.9	7.4	6.3	5.0	5.9	6.7	5.5	5.6	6.5	7.0	5.5	6.1
SYN 96-2	5.7	6.3	7.4	5.0	6.3	7.5	5.8	5.6	6.3	6.3	5.0	6.1
SYN 96-3	6.2	5.6	7.2	4.8	6.7	6.8	5.3	6.0	6.5	6.9	5.2	6.1
SR 1119	5.6	6.3	6.2	5.2	6.3	6.4	6.3	6.0	6.5	6.9	5.0	6.0
IMPERIAL	5.7	7.0	7.2	5.0	6.4	6.5	5.1	5.9	6.4	6.4	4.9	6.0
CENTURY	6.1	6.3	6.8	5.1	6.4	6.4	5.8	5.7	6.9	6.3	4.7	6.0
SRX 1BPAA	6.4	7.0	6.1	4.8	6.0	6.4	6.2	5.0	5.9	6.9	5.7	6.0
PICK CB 13-94	5.6	6.8	6.3	5.2	6.2	6.1	5.8	5.0	6.5	6.8	5.4	6.0
BAR CB 8US3	5.9	6.6	6.5	5.3	6.0	6.3	5.5	5.5	6.4	6.6	5.2	6.0
ABT-CRB-1	4.9	5.8	6.7	4.8	6.8	7.5	5.6	5.6	6.1	6.7	5.2	6.0
CRENSHAW	5.5	7.1	7.4	5.1	6.2	6.2	6.0	5.0	6.3	6.1	4.4	5.9
BRIGHTON (SRX 1120)	5.8	6.4	5.9	5.2	6.3	6.3	5.4	5.5	6.2	7.0	5.1	5.9
PROVIDENCE	5.4	6.9	6.0	5.5	6.6	6.0	4.8	5.4	5.8	6.8	4.4	5.8
BACKSPIN	5.3	6.6	6.2	4.9	5.8	6.0	6.2	5.4	6.0	6.4	4.5	5.8
PENNLINKS	5.3	6.0	5.0	4.6	5.4	5.3	6.3	4.3	5.7	6.2	5.0	5.4
PENNCROSS	4.9	6.3	4.8	4.8	5.9	4.9	6.3	4.0	5.7	6.4	5.0	5.4
VESPER (PICK MVB)	5.3	5.8	4.6	3.5	5.9	3.8	5.7	6.7	6.8	3.8	5.8	5.2
SR 7200	4.2	5.4	4.5	4.0	6.0	3.4	5.1	7.3	6.6	4.3	4.8	5.0
BAVARIA	3.1	6.1	4.5	3.0	5.8	3.4	4.3	2.0	6.0	1.4	3.7	3.9
LSD VALUE	1.0	1.0	0.8	0.8	1.0	0.5	1.6	0.7	0.6	0.9	0.9	0.3
C.V. (%)	10.8	9.7	7.5	9.4	9.5	4.7	18.1	7.9	6.1	8.3	11.3	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 4. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON  
A GREEN AT EIGHT LOCATIONS  
USING 4.1-6.0 LBS OF NITROGEN/1000 SQ. FT./YEAR 1/  
2001 DATA

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

NAME	ME1	MI1	MO1	NE1	PA1	TX1	UT1	VA1	MEAN
PENN A-1	6.7	7.2	4.9	6.7	7.3	6.9	5.9	6.2	6.5
SYN 96-3	7.3	7.2	4.6	6.6	7.9	6.4	5.4	6.2	6.4
PENN G-1	6.7	7.1	5.5	6.8	7.0	6.8	5.4	6.1	6.4
PENN G-6	6.8	7.1	4.9	6.8	7.6	6.7	5.1	5.8	6.4
L-93	6.8	7.4	5.2	7.0	6.8	7.3	4.7	5.7	6.4
SYN 96-1	6.8	6.9	4.9	6.3	8.2	6.1	5.9	5.7	6.3
PENN A-2	6.3	7.1	5.0	6.9	6.8	6.9	5.4	6.0	6.3
PENN A-4	6.4	6.9	4.9	6.3	7.3	6.8	6.0	5.6	6.3
SYN 96-2	7.2	7.3	3.8	6.8	8.1	5.8	5.4	5.4	6.2
PST-A2E	6.8	7.1	4.5	6.3	6.1	7.2	5.6	6.0	6.2
BENGAL (BAR AS 8FUS2)	6.7	6.9	5.4	6.7	7.0	6.2	5.0	5.4	6.2
PICK CB 13-94	6.8	7.2	4.1	5.9	6.8	6.9	5.4	6.1	6.2
ISI AP-5	6.9	6.9	3.7	6.6	6.9	7.0	5.0	5.6	6.1
IMPERIAL	6.4	7.2	3.5	6.0	6.7	6.7	5.5	6.0	6.0
SRX 1NJH	7.1	7.0	3.4	5.8	6.7	6.6	4.6	6.2	5.9
SRX 1BPAA	6.8	7.0	4.5	6.2	5.9	6.5	5.1	5.2	5.9
CENTURY	6.8	7.2	5.0	5.9	6.6	6.0	4.7	5.1	5.9
BAR CB 8US3	6.0	7.1	5.7	5.8	6.4	6.0	4.7	5.3	5.9
ABT-CRB-1	6.8	6.9	3.8	6.2	6.6	6.8	5.2	4.6	5.9
BACKSPIN	6.5	6.6	4.5	6.0	6.3	6.5	4.6	5.6	5.8
BRIGHTON (SRX 1120)	6.4	7.1	5.0	6.2	5.8	5.9	4.7	5.3	5.8
SR 1119	6.7	7.0	5.1	5.8	6.2	6.2	4.1	5.0	5.8
PROVIDENCE	5.9	7.0	4.1	6.3	6.0	6.1	5.2	5.2	5.7
CRENSHAW	6.4	6.9	4.9	6.2	6.6	5.6	3.9	5.1	5.7
PENNLINKS	6.4	7.0	5.5	5.6	5.6	6.3	3.8	5.1	5.7
PENNCROSS	5.9	6.8	5.1	5.2	4.9	6.5	3.4	5.2	5.4
SR 7200	8.6	6.5	4.3	1.0	4.6	5.4	2.5	5.4	4.8
VESPER (PICK MVB)	8.8	6.1	4.5	1.0	4.2	5.2	2.8	5.3	4.7
BAVARIA	6.1	6.9	4.3	1.0	1.0	5.3	2.9	4.4	4.0
LSD VALUE	0.6	0.5	1.3	0.5	0.9	0.6	1.3	0.7	0.3
C.V. (%)	5.4	4.5	16.9	5.8	8.4	6.2	16.5	8.4	9.0

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

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

TABLE 5.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS FOR EACH MONTH GROWN  
ON A GREEN AT PUYALLUP (WITH FUNGICIDES), WA  
USING 6.1+ LBS OF NITROGEN/1000 SQ. FT./YEAR 1/  
2001 DATA

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

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
VESPER (PICK MVB)	9.0	8.0	6.7	7.7	7.3	9.0	7.7	8.3	7.0	7.3	7.0	6.0	7.6
SR 7200	8.3	7.0	5.7	6.7	6.7	7.7	7.3	8.3	7.0	7.0	7.0	5.7	7.0
PENN A-4	6.7	6.3	6.0	6.7	6.3	6.7	6.3	6.7	6.3	6.7	6.7	5.0	6.4
PST-A2E	6.0	6.3	5.0	6.0	5.7	7.3	6.7	6.7	6.7	6.3	6.7	5.0	6.2
SYN 96-1	5.7	6.0	6.7	6.7	7.0	6.7	6.7	6.0	7.3	5.7	5.0	4.3	6.1
PENN A-1	6.0	5.7	5.3	6.0	5.7	6.7	6.3	7.0	7.0	6.3	6.3	5.0	6.1
SYN 96-3	5.0	6.0	7.0	5.7	6.3	6.7	6.7	6.7	7.0	5.3	5.7	4.7	6.1
PENN G-1	6.0	5.7	5.7	5.3	5.3	6.0	6.7	6.7	6.7	6.0	6.7	5.0	6.0
PENN A-2	5.7	6.0	4.3	6.0	6.0	6.3	6.0	6.7	6.3	6.3	6.0	5.0	5.9
BAR CB 8US3	6.0	6.3	5.3	6.0	5.7	6.3	5.3	6.3	6.3	6.0	6.0	4.7	5.9
PENN G-6	5.3	5.7	5.3	5.7	6.0	5.7	6.7	6.0	6.3	6.0	6.7	4.3	5.8
SYN 96-2	5.0	5.0	6.0	6.3	6.0	6.3	6.0	6.0	6.3	6.0	6.0	4.0	5.8
CENTIURY	5.7	6.0	5.0	5.3	5.7	7.0	6.0	6.0	6.7	5.0	5.3	4.3	5.7
SRX 1BPAA	6.0	5.7	5.0	5.7	5.7	6.3	6.0	6.0	5.7	5.3	5.7	4.7	5.6
BRIGHTON (SRX 1120)	6.3	5.3	4.3	5.3	5.3	6.3	6.0	5.7	6.7	5.7	5.3	4.7	5.6
BACKSPIN	6.0	5.0	5.0	5.7	6.0	6.0	5.7	5.3	7.0	5.3	5.3	4.0	5.5
IMPERIAL	5.7	6.0	4.7	5.0	5.3	7.0	5.3	6.0	6.7	5.0	5.0	4.7	5.5
SRX 1NJH	5.3	5.3	4.7	6.3	5.0	5.7	6.0	6.0	5.7	6.0	5.7	4.3	5.5
ISI AP-5	6.0	5.0	4.3	6.0	5.7	6.3	6.3	5.7	6.0	5.3	5.0	4.0	5.5
ABT-CRB-1	5.7	5.0	4.7	6.0	5.0	5.7	6.0	6.0	5.7	5.7	5.3	3.7	5.4
PROVIDENCE	6.0	6.0	4.0	4.7	5.3	5.7	5.3	5.7	5.3	5.3	5.3	5.3	5.3
SR 1119	5.7	5.0	4.7	6.0	5.7	5.0	5.7	6.3	6.0	4.3	5.3	4.3	5.3
BENGAL (BAR AS 8FUS2)	5.7	5.3	5.3	5.0	5.0	5.3	5.3	6.0	6.0	5.0	5.7	4.0	5.3
PICK CB 13-94	4.3	4.3	4.7	6.0	5.0	5.3	5.0	6.0	5.7	6.0	4.7	4.0	5.1
L-93	5.0	5.0	4.3	5.0	5.3	5.7	5.7	5.0	5.3	5.0	5.0	4.3	5.1
CRENSHAW	4.7	4.0	3.7	4.3	4.3	5.3	4.7	6.0	6.0	5.7	5.3	4.0	4.8
PENNLINKS	5.0	4.3	3.7	4.7	3.7	3.7	4.3	4.7	4.3	4.3	4.3	4.0	4.3
PENNCROSS	4.3	3.7	3.7	4.0	3.7	4.0	4.0	4.3	4.0	4.0	4.3	3.3	3.9
BAVARIA	3.0	2.7	2.3	3.0	3.3	3.0	3.0	3.0	3.0	2.3	3.0	3.3	2.9
LSD VALUE	1.1	1.0	1.0	1.1	1.5	1.1	1.0	1.1	1.1	1.0	1.0	0.8	0.5
C.V. (%)	12.2	11.2	12.5	12.5	16.8	11.5	10.7	11.5	11.0	11.5	10.7	10.5	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.



TABLE 6. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN AT THREE LOCATIONS WITHOUT FUNGICIDES IN THE U.S. 1/  
2001 DATA

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

NAME	KY2	WA4	WI2	MEAN
L-93	6.4	4.4	5.3	5.4
PENN A-2	6.4	4.4	5.3	5.3
SRX 1BPAA	5.7	4.8	5.5	5.3
PENN G-1	6.0	4.6	5.3	5.3
PST-A2E	5.8	4.9	5.2	5.3
PENN A-1	6.5	4.2	5.0	5.2
PENN G-6	6.2	4.6	4.7	5.1
ISI AP-5	6.0	4.3	5.0	5.1
PENN A-4	6.1	4.4	4.6	5.0
BENGAL (BAR AS 8FUS2)	5.7	4.6	4.8	5.0
BRIGHTON (SRX 1120)	5.5	4.7	4.8	5.0
SRX 1NJH	6.2	4.3	4.5	5.0
PICK CB 13-94	5.3	4.5	5.1	5.0
SYN 96-1	5.6	4.6	4.5	4.9
SYN 96-3	5.5	4.4	4.7	4.8
BAR CB 8US3	5.0	5.2	4.2	4.8
SR 1119	5.5	4.1	4.8	4.8
IMPERIAL	5.5	4.5	4.2	4.8
ABT-CRB-1	5.7	4.1	4.5	4.8
SYN 96-2	5.8	4.1	4.4	4.7
VESPER (PICK MVB)	3.2	5.1	5.3	4.5
PENNLINKS	4.8	4.0	4.8	4.5
PROVIDENCE	4.7	4.9	4.0	4.5
BACKSPIN	5.1	4.3	4.2	4.5
CENTURY	5.3	4.4	3.8	4.5
PENNCROSS	4.3	3.9	4.7	4.3
CRENSHAW	5.0	4.0	4.0	4.3
SR 7200	3.0	4.8	4.7	4.2
BAVARIA	3.0	2.8	3.4	3.1
LSD VALUE	0.4	0.5	1.0	0.4
C.V. (%)	5.2	7.2	13.8	9.2

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

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

TABLE 7.

GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

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

NAME	AL1	AZ1	IA1	IL1	KY1	ME1	MI1	MT1	NE1	NJ1	NY1	OK1	TX1	VA1	WA3	WI1	WI2	MEAN
PENN G-1	7.3	6.0	7.0	6.0	9.0	7.0	7.0	7.0	7.0	7.7	7.0	7.7	7.7	7.0	6.7	6.0	6.0	7.0
PENN A-2	7.7	6.7	6.7	6.7	8.3	5.7	8.0	5.7	7.3	6.7	7.0	8.0	8.0	7.3	7.0	5.7	5.7	6.9
PST-A2E	8.0	6.0	6.7	6.7	7.7	6.3	7.0	5.7	7.0	7.0	6.7	7.3	7.0	7.0	7.0	5.7	5.7	6.7
SYN 96-2	7.0	6.5	7.3	6.3	8.7	6.7	7.3	6.0	6.7	6.7	7.0	8.0	6.7	6.0	6.7	5.3	5.3	6.7
PENN G-6	6.0	5.7	7.0	6.0	8.3	7.0	7.7	6.3	7.7	7.3	7.0	7.3	7.0	7.0	6.7	5.0	5.0	6.7
PENN A-4	6.3	6.3	6.7	6.3	8.7	7.3	7.3	5.7	6.3	6.0	7.0	7.3	8.0	7.3	6.7	5.0	5.0	6.7
L-93	6.3	5.7	6.7	6.3	7.7	6.7	7.3	6.0	8.0	6.7	7.3	7.3	7.3	6.7	6.7	5.0	5.0	6.6
ABT-CRB-1	8.0	5.7	7.0	6.7	7.0	6.3	7.3	6.3	7.0	7.0	6.7	7.0	7.3	6.3	6.0	5.0	5.0	6.6
BAR CB 8US3	6.3	6.7	6.3	7.0	7.3	5.7	7.3	6.3	7.7	7.3	6.7	7.0	7.0	6.0	7.0	5.0	5.0	6.6
SRX 1NJH	6.0	6.3	6.7	6.7	8.0	6.7	8.0	4.3	7.7	6.0	7.0	7.0	7.3	7.3	7.0	4.7	4.7	6.5
BENGAL (BAR AS 8FUS2)	6.7	5.0	6.7	6.0	6.7	6.3	8.0	5.3	7.7	7.3	7.0	7.3	7.0	6.7	6.7	5.3	5.3	6.5
ISI AP-5	6.3	6.0	6.3	6.7	7.7	6.7	7.0	5.7	7.3	6.3	6.7	7.0	7.3	6.7	6.7	5.3	5.3	6.5
SRX 1BPAA	7.0	7.0	6.7	6.7	6.0	6.7	6.7	5.3	8.0	5.3	7.0	7.0	7.3	6.7	7.0	5.3	5.3	6.5
CRENSHAW	8.0	6.3	7.3	6.3	8.0	6.0	6.7	6.0	8.0	7.3	6.7	6.7	6.7	6.3	6.3	4.0	4.0	6.5
PICK CB 13-94	7.0	6.3	6.0	6.3	7.0	6.0	7.7	5.3	7.7	6.0	7.0	7.0	7.3	6.0	6.7	5.7	5.7	6.5
BRIGHTON (SRX 1120)	6.7	5.0	6.7	7.0	7.0	6.3	8.0	6.0	7.0	6.3	7.0	7.7	7.0	6.0	6.3	5.3	5.3	6.5
VESPER (PICK MVB)	7.7	5.7	6.7	7.0	3.0	8.0	6.0	5.0	5.7	6.7	6.3	8.7	6.0	8.3	8.0	5.7	5.7	6.5
PENN A-1	5.0	5.7	6.3	6.3	7.7	6.3	7.0	5.3	7.3	8.0	6.7	8.3	6.7	6.7	6.0	5.0	5.0	6.4
SR 1119	6.7	6.0	6.7	6.3	6.7	6.3	7.0	5.0	7.3	7.0	7.0	7.3	7.0	6.0	6.0	5.0	5.0	6.4
SR 7200	8.7	5.0	6.3	6.0	3.0	7.7	7.3	6.0	5.3	6.7	6.7	7.7	6.0	8.0	8.0	4.3	4.3	6.3
SYN 96-3	6.3	5.7	7.3	6.3	6.3	6.7	7.0	5.3	6.3	7.3	6.3	7.3	6.7	5.3	6.7	5.0	5.0	6.3
SYN 96-1	6.0	5.7	7.3	5.7	7.7	7.0	7.3	5.7	6.3	5.7	6.7	7.7	7.0	4.3	6.3	5.0	5.0	6.3
CENTURY	6.0	5.7	7.0	5.7	7.3	6.0	7.0	6.3	6.7	6.3	6.3	7.7	6.7	5.7	6.0	4.3	4.3	6.2
IMPERIAL	5.3	5.7	7.0	6.0	6.7	5.7	7.0	5.7	6.7	6.0	6.7	7.7	6.7	6.0	6.0	4.7	4.7	6.1
PROVIDENCE	6.7	5.7	6.3	6.7	6.3	6.0	7.3	4.7	7.7	5.7	6.7	7.3	6.3	5.7	6.3	4.3	4.3	6.1
BACKSPIN	6.3	5.0	6.3	6.0	6.0	6.3	6.0	6.0	6.7	5.0	6.7	7.0	6.7	5.7	5.0	4.7	4.7	5.9
PENNCROSS	5.0	5.3	5.7	5.7	5.0	6.3	7.3	5.3	7.0	4.0	7.0	7.0	6.0	5.0	6.0	5.0	5.0	5.7
PENNLINKS	5.7	5.3	6.0	5.3	5.3	5.3	7.0	5.3	7.0	4.7	6.0	7.0	6.3	4.7	6.3	4.7	4.7	5.7
BAVARIA	8.3	5.3	5.7	5.7	3.0	6.3	7.3	4.7	5.7	3.0	5.0	7.0	6.7	4.7	7.0	3.3	3.3	5.4
LSD VALUE	1.3	0.8	1.0	0.8	1.3	1.4	0.9	2.0	2.2	2.6	0.8	0.8	0.9	1.4	0.7	1.2	1.2	0.3
C.V. (%)	11.6	8.9	9.4	8.2	11.8	13.2	8.0	22.3	19.7	26.0	7.8	6.5	7.9	14.2	6.7	15.2	15.2	13.3

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 8.

SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

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

NAME	AZ1	IA1	IL1	KY2	MI1	NJ1	OK1	PA1	VA1	WA3	WI1	WI2	MEAN
SR 7200	5.7	4.3	6.3	7.3	6.7	8.7	6.7	9.0	8.0	6.0	4.7	5.7	6.6
PENN G-6	6.7	6.3	5.7	8.0	7.0	6.7	7.0	8.3	6.7	5.0	4.3	5.0	6.4
VESPER (PICK MVB)	4.7	5.0	5.7	7.7	6.7	6.0	5.3	9.0	7.3	6.7	5.0	6.0	6.3
SRX 1NJH	7.3	5.3	5.0	9.0	6.7	5.3	5.7	7.3	7.3	6.0	4.3	5.0	6.2
BAR CB 8US3	6.7	5.3	7.0	7.7	7.0	5.0	6.3	7.7	6.7	5.7	4.0	5.0	6.2
PENN G-1	7.0	5.7	4.7	8.3	7.0	5.3	5.3	7.0	7.0	6.0	4.3	5.3	6.1
SYN 96-1	5.7	6.7	5.7	6.7	7.0	3.7	7.0	7.7	7.0	6.3	4.0	4.7	6.0
BRIGHTON (SRX 1120)	6.0	5.7	5.7	8.3	7.0	5.7	7.0	7.0	6.3	4.0	4.3	5.0	6.0
L-93	5.7	6.3	5.3	7.3	7.0	5.3	6.3	7.3	7.3	5.0	4.0	5.0	6.0
CRENSHAW	6.7	6.0	6.7	7.7	6.7	3.7	6.3	8.0	6.7	4.3	4.3	4.7	6.0
PENN A-1	6.7	5.3	5.3	7.7	7.0	4.7	6.0	7.3	7.0	5.3	4.3	5.0	6.0
PROVIDENCE	7.3	5.7	6.0	8.3	7.0	4.0	6.7	7.7	6.3	4.0	4.0	4.7	6.0
PST-A2E	6.7	5.3	5.0	8.7	7.0	3.7	6.3	7.3	7.0	4.7	4.7	5.3	6.0
SYN 96-3	5.7	6.3	6.3	7.0	7.0	3.3	6.3	8.0	7.0	5.7	4.0	5.0	6.0
BACKSPIN	6.3	4.7	5.7	7.7	6.7	4.7	6.7	8.0	7.0	5.0	4.0	5.0	5.9
PENN A-2	8.0	6.0	5.3	7.7	7.0	4.0	6.0	7.0	7.0	4.3	4.0	5.0	5.9
SRX 1BPAA	5.3	4.7	5.0	8.7	7.0	6.3	6.3	7.3	6.7	4.3	4.3	5.3	5.9
BENGAL (BAR AS 8FUS2)	6.0	5.7	5.0	7.7	6.7	5.3	7.0	7.7	6.0	5.0	4.0	5.0	5.9
PICK CB 13-94	6.3	5.7	5.7	7.0	7.0	6.3	6.3	6.7	7.0	4.0	4.0	5.0	5.9
PENN A-4	6.7	5.7	5.7	7.7	6.7	4.0	6.3	7.7	6.3	5.0	4.0	5.0	5.9
ISI AP-5	6.3	5.7	6.3	7.3	7.0	4.3	6.7	7.0	6.7	4.3	4.0	5.0	5.9
SR 1119	6.3	5.3	5.7	7.7	7.0	4.7	5.3	7.3	6.7	5.0	4.3	5.0	5.9
CENTURY	5.3	6.0	5.3	7.7	7.0	4.3	6.3	8.3	6.0	4.7	4.0	5.0	5.8
IMPERIAL	6.3	5.3	6.0	7.0	7.0	3.7	6.3	8.0	6.3	4.0	4.0	5.0	5.8
PENNCROSS	5.0	4.3	5.3	6.7	7.0	7.7	7.0	6.7	6.0	4.0	4.0	5.0	5.7
SYN 96-2	4.5	6.7	5.0	7.7	6.7	2.3	6.3	8.0	6.7	5.7	4.0	5.0	5.7
PENNLINKS	4.7	4.0	5.7	7.0	7.0	6.7	6.0	6.3	6.3	4.7	4.0	5.0	5.6
BAVARIA	4.7	4.3	5.7	6.7	6.7	1.7	6.0	9.0	7.0	5.7	4.0	5.0	5.5
ABT-CRB-1	5.5	6.0	6.3	6.3	6.7	1.3	6.3	7.0	6.0	4.3	4.7	5.0	5.5
LSD VALUE	1.7	1.1	1.5	1.1	0.5	1.4	1.7	1.1	0.8	1.0	0.6	0.5	0.3
C.V. (%)	17.6	12.9	16.1	9.4	4.9	18.7	16.1	8.9	7.3	12.3	8.5	5.6	12.1

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

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

TABLE 9.

LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

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

NAME	AL1	AZ1	IAL	KS1	ME1	MI1	MT1	NJ1	NY1	OK1	PA1	TX1	MEAN
VESPER (PICK MVB)	8.3	6.5	7.7	7.3	8.7	7.3	7.7	9.0	8.7	9.0	9.0	6.3	8.0
SR 7200	8.3	6.5	7.3	7.7	8.0	7.3	6.7	9.0	7.3	9.0	9.0	6.7	7.7
FENN G-1	7.3	8.3	7.0	8.0	6.0	7.7	6.7	7.7	7.7	7.3	7.0	7.7	7.4
FENN A-1	6.3	8.0	7.3	8.3	5.7	7.7	6.3	7.3	7.3	7.7	7.7	8.0	7.3
SYN 96-3	5.7	6.5	8.0	7.7	6.0	8.0	6.7	7.3	7.3	8.0	7.7	7.3	7.2
BAVARIA	7.7	7.5	5.3	7.0	9.0	7.3	6.3	7.3	6.3	9.0	5.3	7.0	7.1
EST-A2E	6.3	8.0	7.0	7.3	6.3	7.7	6.7	7.3	7.3	7.0	6.7	7.0	7.1
FENN A-4	6.7	8.7	7.7	7.0	6.0	7.7	5.7	6.3	7.7	7.3	6.7	7.3	7.1
SYN 96-2	4.3	7.0	7.7	8.0	6.0	8.0	6.7	6.7	7.0	8.0	8.0	7.3	7.1
SYN 96-1	5.7	6.7	8.0	8.3	6.0	7.0	6.0	6.3	7.3	8.0	7.3	7.3	7.0
FENN A-2	7.3	8.0	7.0	8.0	5.0	8.0	6.7	6.0	7.0	7.0	6.7	7.0	7.0
CENTURY	6.0	6.7	8.0	7.3	5.7	7.0	7.0	6.3	7.3	7.0	6.7	7.3	6.9
BENGAL (BAR AS 8FUS2)	6.3	7.3	6.7	7.7	6.0	8.0	5.7	6.7	6.7	7.0	6.7	7.0	6.8
BAR CB 8US3	6.3	7.3	6.3	7.3	6.0	7.7	6.3	5.7	7.0	7.0	6.7	7.0	6.7
ABT-CRB-1	5.0	7.0	7.0	8.0	6.3	7.7	5.7	6.0	7.0	7.0	7.0	7.0	6.7
ISI AP-5	5.3	7.3	6.3	7.7	5.7	7.7	6.3	6.0	7.3	7.0	6.0	7.0	6.6
L-93	5.7	8.0	7.7	6.3	5.3	7.3	6.7	6.0	6.7	7.0	6.0	7.0	6.6
FENN G-6	5.7	7.3	6.3	7.3	5.3	7.7	5.7	6.0	7.0	7.3	7.0	7.0	6.6
IMPERIAL	4.7	7.0	7.3	7.3	5.0	7.3	6.3	6.3	7.3	7.0	6.3	7.0	6.6
SR 1119	5.7	7.3	6.0	7.3	5.3	7.7	6.0	5.7	7.0	7.0	6.0	7.0	6.5
HACKSPIN	4.7	7.7	7.0	6.7	5.7	6.7	6.7	5.3	6.7	7.0	6.7	7.0	6.5
CRENSHAW	4.7	6.7	6.7	6.7	6.0	7.7	6.3	5.3	6.7	7.0	6.0	7.3	6.4
PROVIDENCE	5.3	7.7	6.0	7.0	5.3	7.3	6.0	5.0	6.7	7.0	5.7	7.7	6.4
SRX 1NJH	4.7	6.3	6.3	7.0	5.3	7.3	6.0	6.0	7.3	7.0	5.7	7.3	6.4
SRX 1BPAA	6.0	8.0	5.7	7.0	5.3	7.3	6.3	4.3	6.7	7.0	4.7	6.7	6.3
PICK CB 13-94	6.0	7.0	5.7	7.3	4.7	7.0	5.7	4.7	7.0	7.0	5.7	7.0	6.2
BRIGHTON (SRX 1120)	5.0	6.7	6.0	6.7	5.0	7.3	6.0	5.3	7.3	7.0	5.0	7.0	6.2
FENNLINKS	5.0	7.3	5.0	6.3	5.3	7.3	6.3	3.7	6.7	6.3	5.0	6.7	5.9
FENNCROSS	4.3	6.7	5.7	6.3	5.7	7.7	6.3	4.0	6.7	6.3	4.0	6.0	5.8
LSD VALUE	1.3	1.6	0.8	1.1	1.2	0.9	1.5	1.7	1.1	0.4	1.0	0.8	0.3
C.V. (%)	13.3	12.5	7.6	9.0	12.3	7.6	15.2	17.1	9.5	3.6	9.2	6.6	10.5

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

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

TABLE 10.

SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/												
	AZ1	IL1	KY1	KY2	MI1	MT1	NE1	OK1	TX1	WA3	WI1	WI2	MEAN
PST-A2E	7.5	6.3	8.0	7.7	6.7	5.0	9.0	7.7	8.0	7.0	7.0	5.0	7.1
PENN G-1	8.7	7.3	8.3	8.0	6.7	4.7	9.0	8.0	7.0	5.7	6.3	5.0	7.1
VESPER (PICK MVB)	6.3	3.3	8.7	9.0	5.7	5.3	.	8.3	6.7	9.0	7.0	7.7	7.0
PENN A-2	7.7	7.0	7.7	8.3	7.0	4.3	9.0	7.7	7.0	6.3	6.3	5.3	7.0
L-93	7.3	6.7	8.0	7.7	7.0	5.0	9.0	7.3	8.0	5.0	5.7	5.3	6.8
SR 7200	6.5	4.7	8.0	8.3	6.7	4.0	.	8.3	7.0	8.3	6.0	6.0	6.7
PENN A-1	7.0	7.7	8.3	7.7	6.7	3.7	8.7	8.0	7.0	6.3	5.7	3.7	6.7
SYN 96-3	6.3	7.3	6.7	7.0	7.0	4.0	8.7	7.7	7.0	6.7	6.3	5.7	6.7
PENN A-4	8.7	6.7	7.3	7.0	7.0	3.3	8.3	8.0	7.3	5.7	6.3	4.0	6.6
ISI AP-5	7.0	7.0	7.3	7.3	6.7	4.7	8.7	7.7	7.7	4.7	6.3	4.7	6.6
BRIGHTON (SRX 1120)	7.7	7.0	6.7	7.0	6.7	4.3	8.7	7.7	7.7	5.3	6.0	4.7	6.6
SRX 1BPAA	7.0	6.3	7.0	6.7	6.7	6.3	8.7	7.0	7.0	5.3	5.7	5.3	6.6
SYN 96-1	6.3	7.0	6.7	7.0	6.7	3.3	8.3	8.0	7.3	7.0	6.0	4.7	6.5
PICK CB 13-94	7.7	6.3	6.0	6.3	7.0	4.7	8.0	7.3	8.0	5.0	6.3	5.3	6.5
SRX 1NJH	6.7	6.3	7.3	7.7	7.0	3.7	8.7	7.0	7.3	5.3	5.7	5.0	6.5
BENGAL (BAR AS 8FUS2)	7.0	7.3	7.3	7.3	7.0	3.7	8.3	7.3	6.7	4.7	6.0	4.7	6.4
SR 1119	7.3	6.0	6.3	7.3	7.0	4.3	8.3	7.0	7.3	5.3	6.0	5.0	6.4
SYN 96-2	6.0	7.3	6.0	6.7	6.7	4.3	7.3	8.0	6.7	6.7	6.7	5.0	6.4
PENN G-6	7.0	6.3	7.0	6.7	6.7	3.7	8.7	7.3	7.7	5.3	6.0	4.7	6.4
ABT-CRB-1	5.5	6.7	7.0	7.7	6.3	3.3	8.7	7.3	8.0	5.7	6.0	4.3	6.4
BACKSPIN	7.7	6.0	6.3	6.3	6.7	5.3	7.7	7.0	8.0	5.0	5.0	5.0	6.3
IMPERIAL	7.0	6.3	6.3	7.0	7.0	4.3	7.3	7.7	7.3	5.3	5.3	4.7	6.3
CENTURY	7.3	6.7	6.0	6.0	7.0	4.3	7.0	7.0	8.0	5.7	6.0	3.7	6.2
BAR CB 8US3	7.3	6.7	6.0	6.0	6.7	4.3	7.3	7.0	7.3	6.3	5.7	3.7	6.2
PROVIDENCE	7.3	6.3	6.0	6.7	6.7	3.7	7.3	7.3	7.3	5.0	5.3	4.7	6.1
PENNLINKS	6.7	4.3	6.3	6.3	7.0	5.7	8.7	6.3	7.3	3.3	5.0	4.3	5.9
PENNCROSS	6.0	4.7	5.0	4.7	6.7	6.7	8.7	7.0	8.3	3.7	5.0	4.3	5.9
CRENSHAW	6.3	7.0	5.7	6.0	6.7	4.3	6.0	7.0	6.3	4.7	4.7	4.0	5.7
BAVARIA	6.5	3.0	4.7	4.0	7.0	3.7	.	8.0	6.7	5.0	3.3	3.3	5.0
LSD VALUE	1.3	1.2	1.3	1.3	0.7	1.5	0.9	0.8	1.0	1.0	1.3	1.7	0.4
C.V. (%)	11.3	12.2	12.1	12.0	6.5	20.8	6.5	6.6	8.6	11.4	13.7	22.5	11.7

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

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

TABLE 11.

SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/												MEAN
	AZ1	IL1	MI1	MT1	NJ1	NY1	TX1	UT1	VA1	WA3	WI1	WI2	
VESPER (PICK MVB)	5.7	7.7	6.0	5.3	6.3	8.0	6.0	6.7	7.3	9.0	9.0	9.0	7.2
PENN A-1	6.0	7.3	8.0	5.7	7.7	7.3	7.7	7.3	6.0	7.0	7.7	7.7	7.1
SYN 96-3	5.7	6.3	7.3	6.0	7.3	7.7	7.7	7.0	7.0	6.7	8.3	8.3	7.1
SYN 96-1	5.7	6.7	7.7	5.7	6.7	8.3	7.0	8.0	7.0	7.0	7.3	7.3	7.0
SR 7200	5.3	6.7	7.3	5.3	7.7	8.0	6.0	4.7	7.3	9.0	8.3	8.3	7.0
SYN 96-2	6.0	6.7	7.7	6.3	6.3	7.7	7.7	7.3	6.3	7.0	7.0	7.0	6.9
PENN A-4	7.3	6.7	7.7	6.0	6.0	7.7	7.7	6.3	5.7	6.7	7.0	7.0	6.8
PENN G-1	7.0	7.0	7.3	4.7	6.7	7.3	8.0	7.0	5.7	6.7	7.0	7.0	6.8
PST-A2E	6.0	6.3	7.0	6.0	6.0	7.3	7.7	7.0	6.3	7.0	7.3	7.3	6.8
PENN A-2	6.7	6.7	8.0	4.7	5.3	8.0	7.7	6.0	6.3	6.7	7.0	7.0	6.7
CENTURY	6.3	6.7	7.7	5.7	5.3	7.7	7.0	5.7	6.0	7.0	7.3	7.3	6.6
IMPERIAL	6.0	6.3	7.7	5.0	5.0	7.7	7.7	6.7	6.7	6.7	6.7	6.7	6.6
PENN G-6	5.7	6.3	8.0	5.3	7.0	7.3	7.3	5.7	6.0	6.7	6.7	6.7	6.6
BAR CB 8US3	6.0	6.7	7.3	5.0	6.7	7.3	7.3	5.3	5.7	7.0	7.0	7.0	6.5
BACKSPIN	6.3	6.3	7.0	6.7	5.3	7.3	7.3	5.3	5.7	6.3	7.0	7.0	6.5
ABT-CRB-1	5.0	6.3	7.3	6.0	6.3	7.7	7.3	6.7	5.3	7.0	6.3	6.3	6.5
BENGAL (BAR AS 8FUS2)	6.3	6.7	7.3	5.0	5.7	7.0	7.7	6.0	5.3	6.3	7.0	7.0	6.4
L-93	6.3	6.7	7.7	5.7	5.3	7.3	7.7	5.0	5.0	6.3	6.7	6.7	6.4
SRX 1NJH	6.0	6.7	7.7	4.7	6.0	7.0	7.3	5.7	6.3	6.3	6.3	6.3	6.4
ISI AP-5	6.0	6.3	7.3	5.3	6.0	7.7	8.0	4.7	5.7	6.7	6.3	6.3	6.4
CRENSHAW	6.3	6.0	7.7	6.7	5.0	7.3	7.7	4.7	6.0	6.0	6.0	6.0	6.3
BRIGHTON (SRX 1120)	6.0	6.0	7.0	6.7	4.7	7.3	7.0	4.3	5.3	6.3	7.0	7.0	6.2
PROVIDENCE	5.7	6.7	7.3	5.3	4.7	7.3	7.3	5.3	5.0	6.3	6.7	6.7	6.2
PICK CB 13-94	6.3	6.0	7.3	5.3	4.3	7.3	8.0	5.0	6.0	6.3	6.0	6.0	6.2
SR 1119	5.7	5.7	8.0	5.0	5.7	7.7	7.7	4.3	4.7	6.0	6.3	6.3	6.1
SRX 1BPAA	6.0	6.0	7.0	5.3	4.0	7.0	7.7	5.0	5.0	6.3	6.3	6.3	6.0
BAVARIA	5.3	7.0	7.3	5.3	1.0	7.0	7.3	3.7	5.3	3.3	7.3	7.3	5.6
PENNLINKS	5.3	5.0	7.3	5.3	3.0	7.0	8.0	3.7	4.3	6.0	6.0	6.0	5.6
PENNCROSS	5.0	5.7	7.0	5.7	3.3	7.0	7.7	3.3	4.7	4.7	6.0	6.0	5.5
LSD VALUE	0.9	1.0	0.9	1.8	1.9	0.8	0.9	1.6	1.2	1.0	1.0	1.0	0.4
C.V. (%)	9.8	9.3	7.7	20.7	21.9	6.4	7.8	17.3	12.5	9.2	8.6	8.6	11.7

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

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

TABLE 12.

FALL DENSITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

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

NAME	AZ1	IL1	MI1	PA1	TX1	VA1	WI1	WI2	MEAN
VESPER (PICK MVB)	6.0	8.7	6.0	8.7	7.3	7.3	8.3	8.3	7.6
PENN A-2	7.0	8.0	7.7	7.0	8.3	7.3	6.7	6.7	7.3
SYN 96-3	5.7	7.7	7.0	8.0	8.0	7.3	7.3	7.3	7.3
SR 7200	6.0	8.3	7.3	7.3	7.7	7.0	7.0	7.0	7.2
PENN A-1	6.3	7.3	7.3	8.0	8.3	7.0	6.3	6.3	7.1
PENN A-4	7.3	7.0	7.7	7.7	7.7	7.3	6.0	6.0	7.1
PST-A2E	6.5	7.7	7.0	6.3	8.3	6.7	7.0	7.0	7.1
SYN 96-1	6.0	7.3	7.3	8.0	7.3	7.3	6.3	6.3	7.0
PENN G-1	7.0	7.0	7.3	7.3	7.7	7.0	6.3	6.3	7.0
SYN 96-2	6.5	7.3	7.0	8.0	7.0	7.3	6.3	6.3	7.0
BENGAL (BAR AS 8FUS2)	6.3	8.0	7.0	7.0	8.0	6.7	6.3	6.3	7.0
PENN G-6	5.7	7.7	7.7	7.0	8.3	7.0	6.0	6.0	6.9
IMPERIAL	6.3	7.7	7.3	7.3	7.3	7.0	6.0	6.0	6.9
L-93	6.7	7.3	6.7	6.7	8.3	6.3	6.3	6.3	6.8
ISI AP-5	6.3	6.3	7.3	7.0	8.3	7.0	6.0	6.0	6.8
BACKSPIN	6.3	7.0	6.7	7.0	7.7	6.7	6.0	6.0	6.7
BAR CB 8US3	6.3	6.7	7.3	7.0	7.3	6.7	6.0	6.0	6.7
CENTURY	6.7	6.7	7.0	6.3	7.3	7.0	6.0	6.0	6.6
SRX 1NJH	6.0	6.7	7.7	6.3	7.7	6.7	6.0	6.0	6.6
PICK CB 13-94	6.3	6.3	7.0	6.0	8.0	7.0	6.0	6.0	6.6
PROVIDENCE	5.7	6.7	7.3	6.3	7.3	6.7	6.0	6.0	6.5
SRX 1BPAA	6.0	6.7	7.0	5.3	8.0	7.0	6.0	6.0	6.5
ABT-CRB-1	5.5	6.7	6.7	7.0	8.7	6.0	5.7	5.7	6.5
CRENSHAW	6.7	6.7	7.0	7.0	7.3	7.0	5.0	5.0	6.5
BRIGHTON (SRX 1120)	6.0	6.7	7.0	5.7	7.7	6.7	6.0	6.0	6.5
SR 1119	5.7	6.3	7.3	6.0	7.7	6.3	6.0	6.0	6.4
PENNLINKS	5.3	5.3	7.3	5.0	8.0	6.3	5.3	5.3	6.0
PENNCROSS	5.0	5.0	7.0	5.0	7.7	6.0	5.3	5.3	5.8
BAVARIA	5.5	8.0	7.0	1.0	7.3	6.0	5.3	5.3	5.7
LSD VALUE	1.0	1.0	0.9	0.9	0.9	1.0	0.9	0.9	0.3
C.V. (%)	10.1	9.2	7.7	8.9	7.4	9.6	9.2	9.2	8.9

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

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

TABLE 13. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	MI1	MO1	OK1	MEAN
PENN G-1	99.0	93.3	98.3	98.3	97.3
PST-A2E	98.3	93.3	98.0	98.3	97.0
L-93	97.7	93.3	95.7	98.0	96.2
BAR CB 8US3	98.3	95.0	96.0	91.7	95.3
PENN A-2	98.3	91.7	92.7	97.3	95.0
SR 1119	94.0	93.3	95.7	97.0	95.0
PENNLINKS	95.3	90.0	96.0	97.0	94.6
BRIGHTON (SRX 1120)	97.3	88.3	94.0	98.0	94.4
BENGAL (BAR AS 8FUS2)	98.7	90.0	91.3	97.0	94.3
PENNCROSS	92.0	91.7	94.3	97.0	93.8
ISI AP-5	94.0	93.3	86.7	98.3	93.1
PICK CB 13-94	98.0	95.0	81.0	98.0	93.0
PENN A-4	98.7	90.0	81.0	98.0	91.9
PENN A-1	93.7	93.3	79.3	98.7	91.3
SYN 96-3	86.0	95.0	89.3	94.3	91.2
PENN G-6	98.0	93.3	74.3	98.3	91.0
SYN 96-1	96.3	91.7	78.3	94.3	90.2
SRX 1BPAA	92.7	93.3	76.0	97.0	89.8
BACKSPIN	97.7	93.3	73.3	93.3	89.4
CRENSHAW	92.7	91.7	91.3	81.7	89.3
CENTURY	97.7	95.0	81.0	81.7	88.8
PROVIDENCE	94.7	95.0	70.0	93.3	88.3
IMPERIAL	97.3	93.3	61.7	91.0	85.8
SRX 1NJH	96.7	91.7	55.0	98.0	85.3
SR 7200	84.3	91.7	88.3	70.0	83.6
ABT-CRB-1	81.3	88.3	60.0	97.7	81.8
VESPER (PICK M/B)	84.0	83.3	80.0	65.0	78.1
SYN 96-2	86.3	95.0	44.7	85.0	77.8
BAVARIA	88.3	93.3	94.3	5.0	70.3
LSD VALUE	10.0	5.5	32.2	17.1	9.6
C.V. (%)	6.6	3.7	24.2	11.7	13.2

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 14. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/						
NAME	AZ1	KY2	MI1	MO1	OK1	MEAN
PENN A-1	96.0	96.0	91.7	98.0	97.0	95.7
PENN A-4	98.7	88.3	93.3	98.7	95.7	94.9
L-93	99.0	85.0	93.3	99.0	96.0	94.5
PENN G-6	94.7	86.7	95.0	97.7	96.0	94.0
PST-A2E	94.3	85.0	88.3	99.0	95.7	92.5
ISI AP-5	98.3	85.0	86.7	95.7	96.3	92.4
PENN A-2	87.0	76.7	93.3	98.7	96.3	90.4
SRX 1NJH	97.7	75.0	86.7	94.7	96.3	90.1
ABT-CRB-1	85.0	75.0	91.7	97.7	97.3	89.3
SYN 96-3	88.3	70.0	95.0	98.0	95.0	89.3
SR 1119	98.0	63.3	90.0	98.7	95.0	89.0
BRIGHTON (SRX 1120)	92.7	66.7	88.3	98.7	95.7	88.4
CENTURY	82.3	80.0	90.0	99.0	86.7	87.6
SRX 1BPAA	93.0	65.0	86.7	98.0	94.3	87.4
BAR CB 8US3	93.3	60.0	90.0	98.0	94.7	87.2
PENN G-1	94.7	53.3	91.7	99.0	96.3	87.0
SYN 96-1	96.0	51.7	93.3	98.7	95.3	87.0
PROVIDENCE	97.0	58.3	88.3	95.7	94.0	86.7
PICK CB 13-94	98.7	55.0	86.7	95.7	95.0	86.2
CRENSHAW	98.0	55.0	88.3	98.0	88.7	85.6
BENGAL (BAR AS 8FUS2)	97.0	41.7	93.3	99.0	96.0	85.4
IMPERIAL	95.3	56.7	85.0	96.0	93.7	85.3
PENNCROSS	97.7	41.7	88.3	98.0	95.7	84.3
BACKSPIN	90.3	55.0	81.7	98.0	95.3	84.1
PENNLINKS	95.7	31.7	91.7	98.0	93.7	82.1
SYN 96-2	81.3	57.3	95.0	83.0	88.3	81.0
VESPER (PICK MVB)	88.3	34.0	80.0	96.0	65.0	72.7
SR 7200	83.3	14.7	81.7	99.0	66.7	69.1
BAVARIA	86.7	8.0	81.7	97.0	7.5	56.2
LSD VALUE	13.7	24.6	6.8	6.3	17.9	6.9
C.V. (%)	9.2	25.0	4.8	4.0	12.3	11.1

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

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

TABLE 15. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	KY2	MI1	OK1	MEAN
ISI AP-5	97.7	88.3	90.0	97.0	93.3
PENN G-6	96.0	85.0	95.0	96.7	93.2
PENN A-2	92.3	90.0	93.3	96.7	93.1
PENNLINKS	96.3	85.0	91.7	96.3	92.3
SRX 1NJH	97.3	87.7	86.7	97.0	92.2
IMPERIAL	95.7	88.0	88.3	95.3	91.8
PENN A-1	92.7	86.7	90.0	97.3	91.7
PST-A2E	95.7	85.0	88.3	96.7	91.4
PENN A-4	98.3	76.7	93.3	96.3	91.2
L-93	98.3	78.3	90.0	96.3	90.8
PENNCROSS	96.7	81.7	88.3	96.0	90.7
SRX 1BPAA	93.0	85.0	86.7	95.7	90.1
BENGAL (BAR AS 8FUS2)	97.7	74.0	91.7	96.7	90.0
BAR CB 8US3	94.0	78.3	91.7	95.3	89.8
PICK CB 13-94	98.0	76.7	88.3	96.0	89.8
SYN 96-1	95.3	74.0	90.0	95.3	88.7
CENTURY	86.0	90.0	90.0	88.3	88.6
SYN 96-3	80.7	83.3	95.0	95.3	88.6
BRIGHTON (SRX 1120)	93.0	75.0	88.3	96.3	88.2
SR 1119	94.3	70.0	90.0	96.3	87.7
SYN 96-2	78.0	86.7	95.0	88.3	87.0
CRENSHAW	94.0	75.0	88.3	90.3	86.9
PENN G-1	96.7	65.0	88.3	97.3	86.8
BACKSPIN	93.3	70.0	81.7	95.7	85.2
PROVIDENCE	93.7	51.7	88.3	95.0	82.2
ABT-CRB-1	75.3	55.0	90.0	98.0	79.6
SR 7200	84.0	15.7	85.0	68.7	63.3
VESPER (PICK MVB)	82.0	22.7	80.0	63.3	62.0
BAVARIA	88.0	17.0	81.7	7.5	48.5
LSD VALUE	13.1	17.4	6.6	17.6	7.2
C.V. (%)	8.8	15.0	4.6	12.0	10.4

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

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

TABLE 16. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

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

NAME	AL1	AZ1	OK1	TX1	VA1	MEAN
SR 7200	5.7	6.7	3.0	5.7	6.7	5.5
PROVIDENCE	6.7	6.7	3.0	6.7	3.7	5.3
VESPER (PICK MVB)	5.7	5.7	3.0	5.3	7.0	5.3
SRX 1BPAA	7.0	6.7	3.0	5.7	3.7	5.2
SRX 1NJH	6.7	7.0	3.0	6.3	3.0	5.2
BAR CB 8US3	6.0	7.0	3.0	6.3	3.3	5.1
PST-A2E	7.0	6.3	3.3	6.0	3.0	5.1
PENNLINKS	6.0	5.7	3.3	6.7	3.7	5.1
L-93	7.0	5.3	3.0	6.3	3.7	5.1
PENN G-1	6.7	6.3	3.0	6.3	3.0	5.1
ABT-CRB-1	6.7	6.3	3.7	5.7	2.7	5.0
CRENSHAW	7.0	6.3	3.0	5.7	3.0	5.0
PENN A-2	6.3	7.3	3.3	5.7	2.3	5.0
PICK CB 13-94	6.3	6.3	3.0	6.3	3.0	5.0
ISI AP-5	6.3	6.3	3.0	6.0	3.3	5.0
BRIGHTON (SRX 1120)	6.7	6.0	3.0	5.7	3.3	4.9
PENN A-1	7.0	5.7	3.0	5.7	3.0	4.9
CENTURY	6.7	5.7	3.0	6.3	2.3	4.8
PENN A-4	5.7	6.3	3.0	6.3	2.7	4.8
SR 1119	6.7	6.0	2.7	5.7	3.0	4.8
PENN G-6	6.7	6.0	3.0	5.3	2.7	4.7
PENNCROSS	5.7	5.0	3.3	6.0	3.7	4.7
SYN 96-3	7.0	5.7	3.7	5.3	2.0	4.7
BAVARIA	5.3	5.3	3.0	4.7	5.3	4.7
SYN 96-2	7.3	6.0	3.0	5.3	2.0	4.7
BACKSPIN	5.3	6.0	3.3	6.0	2.7	4.7
IMPERIAL	5.3	6.0	3.3	6.3	2.3	4.7
BENGAL (BAR AS 8FUS2)	6.7	5.3	3.0	5.3	2.7	4.6
SYN 96-1	6.0	6.0	3.0	5.7	2.3	4.6
LSD VALUE	1.3	1.0	0.5	1.0	0.8	0.4
C.V. (%)	12.2	9.9	10.5	10.6	14.3	11.8

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

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

TABLE 17. DOLLAR SPOT RATINGS OF BENIGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

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

NAME	ME1	MO1	NJ1	MEAN
SR 7200	9.0	8.7	8.3	8.7
PENNCROSS	8.7	8.3	8.3	8.4
ISI AP-5	8.7	8.0	8.3	8.3
SRX 1NJH	8.3	8.3	8.0	8.2
PST-A2E	9.0	7.0	8.7	8.2
PENNLINKS	8.3	8.0	8.0	8.1
L-93	8.7	6.7	8.7	8.0
BENGAL (BAR AS 8FUS2)	9.0	8.0	6.7	7.9
PENN A-4	8.0	7.7	8.0	7.9
PENN A-1	8.7	6.7	8.3	7.9
PENN G-6	9.0	7.0	7.3	7.8
ABT-CRB-1	8.0	8.0	7.0	7.7
PENN A-2	8.7	5.3	9.0	7.7
SRX 1BPAA	9.0	7.3	6.3	7.6
BAVARIA	7.0	6.7	8.7	7.4
IMPERIAL	8.3	8.3	5.7	7.4
SYN 96-3	8.3	8.0	5.7	7.3
VESPER (PICK MVB)	8.7	7.3	6.0	7.3
PROVIDENCE	7.0	8.0	6.7	7.2
SR 1119	8.3	6.7	6.7	7.2
PICK CB 13-94	7.7	6.3	7.0	7.0
PENN G-1	7.7	6.7	5.7	6.7
SYN 96-1	8.0	6.0	5.7	6.6
SYN 96-2	8.3	6.7	4.7	6.6
BACKSPIN	7.7	7.0	4.7	6.4
CRENSHAW	7.7	6.0	5.0	6.2
CENTURY	9.0	5.3	4.3	6.2
BAR CB 8US3	8.3	4.7	5.0	6.0
BRIGHTON (SRX 1120)	7.3	4.7	6.0	6.0
LSD VALUE	1.6	3.2	1.9	1.3
C.V. (%)	12.1	28.0	17.0	19.5

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 18. BROWN PATCH (WARM TEMPERATURE) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

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

NAME	MI1	WI1	WI2	MEAN
VESPER (PICK MVB)	7.3	9.0	9.0	8.4
SR 1119	7.3	8.3	8.0	7.9
SR 7200	5.7	9.0	9.0	7.9
PENN G-6	8.0	7.3	8.0	7.8
BAVARIA	7.3	7.7	7.7	7.6
L-93	7.3	7.7	7.7	7.6
BRIGHTON (SRX 1120)	8.7	8.0	6.0	7.6
PENN G-1	6.3	8.0	8.0	7.4
SRX 1BPAA	7.0	7.3	7.7	7.3
SRX 1NJH	8.0	7.0	6.7	7.2
PICK CB 13-94	8.3	6.3	6.7	7.1
BENGAL (BAR AS 8FUS2)	8.0	8.0	5.3	7.1
SYN 96-1	8.0	7.3	6.0	7.1
PENNLINKS	8.0	5.7	7.3	7.0
PROVIDENCE	7.0	7.0	7.0	7.0
SYN 96-3	8.3	7.0	5.3	6.9
PENN A-2	7.0	6.3	6.7	6.7
ABT-CRB-1	7.3	6.3	6.0	6.6
CRENSHAW	6.7	6.0	6.3	6.3
SYN 96-2	7.7	5.7	5.7	6.3
CENTURY	7.0	7.0	4.3	6.1
PENNCROSS	7.3	5.3	5.7	6.1
IMPERIAL	7.7	5.3	4.7	5.9
PENN A-1	6.3	6.0	5.3	5.9
BAR CB 8US3	7.0	5.0	5.3	5.8
PST-A2E	5.3	5.7	6.3	5.8
BACKSPIN	5.7	5.0	5.7	5.4
ISI AP-5	6.3	4.7	4.7	5.2
PENN A-4	5.7	4.7	5.0	5.1
LSD VALUE	2.0	3.3	3.0	1.6
C.V. (%)	17.5	30.5	28.8	25.9

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 19. PYTHIUM BLIGHT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

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

NAME	MO1
BAR CB 8US3	8.0
PENNCROSS	7.3
PENNLINKS	7.3
CRENSHAW	6.3
PENN A-1	6.3
PICK CB 13-94	6.3
SR 1119	6.3
BRIGHTON (SRX 1120)	6.0
BAVARIA	5.3
PENN A-2	5.3
SYN 96-1	5.3
SRX 1BPAA	5.0
SRX 1NJH	5.0
SYN 96-2	5.0
ABT-CRB-1	4.7
BACKSPIN	4.7
BENGAL (BAR AS 8FUS2)	4.7
CENTURY	4.7
PENN A-4	4.7
PENN G-6	4.7
PROVIDENCE	4.7
PENN G-1	4.3
SR 7200	4.3
L-93	4.0
VESPER (PICK MVB)	4.0
SYN 96-3	3.7
IMPERIAL	3.3
ISI AP-5	2.7
PST-A2E	1.3
LSD VALUE	3.2
C.V. (%)	39.1

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 20. BROWN PATCH (COOL TEMPERATURE) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

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

NAME	OK1
ABT-CRB-1	9.0
BAR CB 8US3	9.0
BAVARIA	9.0
BENGAL (BAR AS 8FUS2)	9.0
CRENSHAW	9.0
ISI AP-5	9.0
L-93	9.0
PENN A-1	9.0
PENN A-2	9.0
PENN G-6	9.0
PENNCROSS	9.0
PENNLINKS	9.0
PICK CB 13-94	9.0
PROVIDENCE	9.0
PST-A2E	9.0
SR 1119	9.0
SR 7200	9.0
SRX 1NJH	9.0
SYN 96-1	9.0
SYN 96-2	9.0
SYN 96-3	9.0
VESPER (PICK MVB)	9.0
BRIGHTON (SRX 1120)	8.7
CENTURY	8.7
SRX 1BPAA	8.7
BACKSPIN	8.3
PENN G-1	8.3
PENN A-4	8.0
IMPERIAL	7.7
LSD VALUE	0.9
C.V. (%)	6.3

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

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

TABLE 21. PINK SNOW MOLD RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

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

NAME	ME1	UT1	MEAN
SR 7200	9.0	4.7	6.8
PENN A-2	8.3	4.7	6.5
SRX 1BPAA	8.7	4.3	6.5
VESPER (PICK MVB)	9.0	4.0	6.5
PICK CB 13-94	8.0	4.7	6.3
L-93	8.7	4.0	6.3
BAVARIA	8.3	4.0	6.2
SR 1119	8.3	3.7	6.0
CENTURY	7.7	4.0	5.8
SYN 96-2	7.0	4.7	5.8
PENN A-4	7.3	4.3	5.8
PROVIDENCE	8.0	3.3	5.7
BACKSPIN	7.3	4.0	5.7
BAR CB 8US3	7.0	4.3	5.7
BENGAL (BAR AS 8FUS2)	7.3	4.0	5.7
CRENSHAW	7.3	4.0	5.7
ISI AP-5	7.3	4.0	5.7
PENN G-6	6.3	5.0	5.7
PST-AZE	7.3	4.0	5.7
SRX 1NJH	7.3	4.0	5.7
IMPERIAL	7.7	3.3	5.5
PENNCROSS	7.7	3.3	5.5
ABT-CRB-1	6.7	4.0	5.3
BRIGHTON (SRX 1120)	6.7	3.7	5.2
PENN G-1	7.0	3.0	5.0
PENNLINKS	7.0	3.0	5.0
SYN 96-1	5.3	4.7	5.0
SYN 96-3	6.7	3.0	4.8
PENN A-1	6.0	3.0	4.5
LSD VALUE	1.9	1.6	1.3
C.V. (%)	15.9	25.9	19.4

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 22. FALL COLOR (SEPTEMBER) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

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

NAME	AZ1
L-93	8.0
PENN A-4	7.3
PENNCROSS	7.3
BAVARIA	7.0
CRENSHAW	7.0
ISI AP-5	7.0
PENN A-1	6.7
PENN G-1	6.7
SRX 1BPAA	6.7
ABT-CRB-1	6.5
BAR CB 8US3	6.3
BENGAL (BAR AS 8FUS2)	6.3
PENN G-6	6.3
PICK CB 13-94	6.3
PROVIDENCE	6.3
IMPERIAL	6.0
PENN A-2	6.0
PENNLINKS	6.0
PST-A2E	6.0
SR 1119	6.0
SR 7200	6.0
SYN 96-2	5.5
SRX 1NJH	5.3
SYN 96-1	5.3
BRIGHTON (SRX 1120)	5.0
BACKSPIN	4.7
VESPER (PICK MVB)	4.7
CENTURY	4.5
SYN 96-3	4.5
LSD VALUE	1.6
C.V. (%)	15.8

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 23. FALL COLOR (OCTOBER) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

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

NAME	AZ1
SRX 1BPAA	8.0
SYN 96-2	8.0
BAR CB 8US3	7.7
SR 7200	7.3
BAVARIA	7.0
ISI AP-5	7.0
PENN A-2	7.0
PICK CB 13-94	7.0
SR 1119	7.0
VESPER (PICK MVB)	7.0
ABT-CRB-1	6.7
BRIGHTON (SRX 1120)	6.7
L-93	6.7
PENN A-4	6.7
PENN G-1	6.7
PST-A2E	6.7
SRX 1NJH	6.7
CRENSHAW	6.3
IMPERIAL	6.3
PENN A-1	6.3
PROVIDENCE	6.3
SYN 96-3	6.3
BACKSPIN	6.0
PENN G-6	6.0
PENNCROSS	6.0
CENTURY	5.7
PENNLINKS	5.7
BENGAL (BAR AS 8FUS2)	5.3
SYN 96-1	5.0
LSD VALUE	1.4
C.V. (%)	13.5

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

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

TABLE 24. FALL COLOR (NOVEMBER) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

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

NAME	AZ1	TX1	MEAN
SRX 1BPAA	7.3	7.7	7.5
PENN A-2	7.0	7.7	7.3
PICK CB 13-94	6.7	7.7	7.2
ABT-CRB-1	6.3	8.0	7.2
ISI AP-5	6.3	8.0	7.2
SR 7200	7.0	7.0	7.0
SRX 1NJH	6.3	7.7	7.0
SYN 96-2	7.0	7.0	7.0
BAR CB 8US3	7.0	6.7	6.8
L-93	5.7	8.0	6.8
PST-A2E	6.0	7.7	6.8
PENN G-6	6.3	7.3	6.8
BRIGHTON (SRX 1120)	6.0	7.3	6.7
SR 1119	6.0	7.3	6.7
SYN 96-1	6.0	7.3	6.7
VESPER (PICK MVB)	6.3	7.0	6.7
BAVARIA	6.0	7.0	6.5
PENN A-4	6.0	7.0	6.5
PENN G-1	6.0	7.0	6.5
SYN 96-3	6.0	7.0	6.5
BACKSPIN	6.0	6.7	6.3
PENNCROSS	5.7	7.0	6.3
PENNLINKS	6.0	6.7	6.3
BENGAL (BAR AS 8FUS2)	5.3	7.3	6.3
CRENSHAW	6.3	6.3	6.3
IMPERIAL	5.7	6.7	6.2
PROVIDENCE	6.3	6.0	6.2
CENTURY	5.7	6.3	6.0
PENN A-1	5.0	7.0	6.0
LSD VALUE	1.3	0.8	0.7
C.V. (%)	12.5	6.5	9.5

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

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

TABLE 25. SNOW MOLD RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

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

NAME	WI2
VESPER (PICK MVB)	8.7
BAVARIA	7.3
L-93	7.3
PENN A-2	7.0
PROVIDENCE	7.0
SR 7200	7.0
BRIGHTON (SRX 1120)	6.7
PENN G-1	6.7
PICK CB 13-94	6.7
SRX 1BPAA	6.7
SYN 96-1	6.7
SYN 96-2	6.7
CENTURY	6.3
CRENSHAW	6.3
ISI AP-5	6.3
SR 1119	6.3
IMPERIAL	6.0
PENN G-6	6.0
PENNLINKS	6.0
SRX 1NJH	6.0
SYN 96-3	6.0
BENGAL (BAR AS 8FUS2)	5.7
PENNCROSS	5.7
PST-A2E	5.7
ABT-CRB-1	5.3
BACKSPIN	5.0
PENN A-1	4.7
BAR CB 8US3	4.3
PENN A-4	4.3
LSD VALUE	3.8
C.V. (%)	38.2

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 26. DOLLAR SPOT (REDUCED FUNGICIDES) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

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

NAME	NJ1
BAVARIA	8.3
L-93	8.0
SR 7200	8.0
PENN A-2	7.7
PST-A2E	7.7
ISI AP-5	7.3
PENN A-1	7.3
PENNCROSS	7.3
PENNLINKS	7.3
ABT-CRB-1	6.7
PENN A-4	6.7
PENN G-6	6.7
VESPER (PICK MVB)	6.7
PICK CB 13-94	6.3
SRX 1NJH	6.0
IMPERIAL	5.7
SRX 1BPAA	5.7
BAR CB 8US3	5.3
BENGAL (BAR AS 8FUS2)	5.3
BRIGHTON (SRX 1120)	5.3
PROVIDENCE	5.3
BACKSPIN	5.0
PENN G-1	5.0
SR 1119	5.0
SYN 96-1	4.7
SYN 96-3	4.7
SYN 96-2	4.3
CRENSHAW	4.0
CENTURY	3.3
LSD VALUE	1.9
C.V. (%)	19.4

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 27. PATCH DISEASE RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

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

NAME	NE1
BAVARIA	9.0
L-93	9.0
PENN A-1	9.0
PENNCROSS	9.0
PST-A2E	9.0
SR 7200	9.0
SRX 1BPAA	9.0
PENN A-2	8.7
PENNLINKS	8.7
BRIGHTON (SRX 1120)	8.3
PENN G-1	8.3
PICK CB 13-94	8.3
ABT-CRB-1	8.0
SR 1119	8.0
SRX 1NJH	8.0
VESPER (PICK MVB)	8.0
ISI AP-5	7.7
PENN G-6	7.7
BENGAL (BAR AS 8FUS2)	7.3
SYN 96-3	7.3
SYN 96-1	7.0
IMPERIAL	6.3
PENN A-4	6.3
PROVIDENCE	6.3
SYN 96-2	6.0
BACKSPIN	5.7
BAR CB 8US3	5.7
CENTURY	4.3
CRENSHAW	4.0
LSD VALUE	1.2
C.V. (%)	9.8

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

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

TABLE 28. GRAY SNOW MOLD RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

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

NAME	MI1
PENN A-1	6.3
ABT-CRB-1	6.0
BAVARIA	6.0
IMPERIAL	6.0
PENN A-2	6.0
PENN A-4	6.0
SRX 1BPAA	6.0
SYN 96-1	6.0
BENGAL (BAR AS 8FUS2)	5.7
SYN 96-2	5.7
PENNCROSS	5.3
PENNLINKS	5.3
SRX 1NJH	5.3
BAR CB 8US3	5.0
L-93	5.0
PENN G-1	5.0
SYN 96-3	5.0
CRENSHAW	4.7
PENN G-6	4.7
PICK CB 13-94	4.7
PROVIDENCE	4.7
BRIGHTON (SRX 1120)	4.3
SR 1119	4.3
BACKSPIN	4.0
CENTURY	4.0
ISI AP-5	4.0
PST-A2E	4.0
SR 7200	3.7
VESPER (PICK MVB)	3.7
LSD VALUE	2.9
C.V. (%)	35.8

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 29. MOSS INVASION RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2001 DATA

MOSS INVASION RATINGS 1-9; 9=NO MOSS 2/

NAME	UT1
PENN A-1	8.7
PENN A-2	7.7
PICK CB 13-94	7.7
PROVIDENCE	7.3
PST-A2E	7.3
IMPERIAL	7.0
PENN A-4	7.0
PENN G-6	7.0
SYN 96-1	7.0
SYN 96-3	7.0
BAR CB 8US3	6.7
BRIGHTON (SRX 1120)	6.7
CENTURY	6.7
ISI AP-5	6.7
PENNLINKS	6.7
BACKSPIN	6.3
SRX 1NJH	6.3
SYN 96-2	6.3
ABT-CRB-1	6.0
PENN G-1	6.0
SRX 1BPAA	6.0
L-93	5.7
SR 1119	5.7
BENGAL (BAR AS 8FUS2)	5.0
VESPER (PICK MVB)	5.0
CRENSHAW	4.7
BAVARIA	4.3
PENNCROSS	4.0
SR 7200	3.3
LSD VALUE	3.7
C.V. (%)	36.7

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 30. PERCENT DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS 1/  
 AT LEXINGTON (WITHOUT FUNGICIDES), KY 2/  
 2001 DATA

NAME	JUNE	JULY	AUGUST	MEAN
PENNCROSS	46.7	21.7	38.3	35.6
CRENSHAW	68.3	15.0	21.7	35.0
SYN 96-2	41.7	21.7	35.0	32.8
BACKSPIN	55.0	19.3	23.0	32.4
PICK CB 13-94	36.7	23.3	35.0	31.7
IMPERIAL	38.3	20.7	33.3	30.8
BAR CB 8US3	55.0	13.3	23.0	30.4
BENGAL (BAR AS 8FUS2)	35.0	17.3	36.7	29.7
ABT-CRB-1	40.0	21.7	26.7	29.4
SRX 1NJH	48.3	12.3	26.3	29.0
SYN 96-1	36.7	15.0	33.3	28.3
CENTURY	45.0	14.7	24.0	27.9
PENNLINKS	27.7	19.0	35.0	27.2
BRIGHTON (SRX 1120)	45.0	12.7	22.7	26.8
SYN 96-3	35.0	16.3	28.3	26.6
SR 1119	40.0	18.3	20.3	26.2
BAVARIA	38.3	15.0	24.3	25.9
PENN A-2	35.0	15.3	25.0	25.1
PENN G-1	36.7	16.0	19.0	23.9
SRX 1BPAA	26.7	19.3	25.0	23.7
PROVIDENCE	50.0	11.3	9.0	23.4
ISI AP-5	35.0	12.0	17.3	21.4
PST-A2E	27.7	15.7	20.0	21.1
L-93	25.0	13.3	20.7	19.7
SR 7200	22.7	15.0	19.7	19.1
PENN A-1	18.3	13.0	20.0	17.1
PENN G-6	23.3	8.3	17.3	16.3
VESPER (PICK MVB)	18.3	12.7	15.7	15.6
PENN A-4	17.7	12.3	9.7	13.2
LSD VALUE	27.7	9.3	21.8	11.1
C.V. (%)	37.5	27.9	40.0	23.5

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

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

TABLE 31. DOLLAR SPOT RATINGS OF BENIGRASS CULTIVARS  
AT STILLWATER, OK 2/  
2001 DATA

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

NAME	APRIL	MAY	MEAN
L-93	8.3	8.0	8.2
PENN A-2	8.0	8.0	8.0
ABT-CRB-1	8.3	7.3	7.8
PENN A-1	8.0	7.7	7.8
PENN G-1	8.0	7.7	7.8
PENNLINKS	8.0	7.7	7.8
SRX 1NJH	8.0	7.7	7.8
PST-A2E	7.7	7.7	7.7
PENN G-6	7.7	7.0	7.3
PENNCROSS	7.7	7.0	7.3
SRX 1BPAA	7.3	7.3	7.3
PICK CB 13-94	6.7	7.3	7.0
SR 7200	6.7	7.3	7.0
PENN A-4	7.0	6.7	6.8
BENGAL (BAR AS 8FUS2)	7.0	6.3	6.7
ISI AP-5	6.7	6.7	6.7
SR 1119	6.7	6.7	6.7
BAVARIA	7.0	6.0	6.5
BRIGHTON (SRX 1120)	6.7	6.3	6.5
VESPER (PICK MVB)	6.3	6.7	6.5
PROVIDENCE	5.7	6.0	5.8
SYN 96-3	5.0	5.3	5.2
BACKSPIN	5.0	4.7	4.8
SYN 96-1	4.3	5.0	4.7
BAR CB 8US3	4.7	3.7	4.2
IMPERIAL	4.0	4.0	4.0
SYN 96-2	3.3	2.3	2.8
CENTURY	3.3	2.0	2.7
CRENSHAW	3.0	2.0	2.5
LSD VALUE	1.1	1.4	1.1
C.V. (%)	11.0	15.1	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 32. DOLLAR SPOT RATINGS OF BENIGRASS CULTIVARS  
 AT DALLAS, TX 1/  
 2001 DATA

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

NAME	SEPTEMBER	NOVEMBER	MEAN
L-93	8.0	8.0	8.0
PENN A-2	8.0	8.0	8.0
ABT-CRB-1	8.0	7.3	7.7
BENGAL (BAR AS 8FUS2)	8.0	7.3	7.7
PENN A-1	8.0	7.3	7.7
PENN G-6	8.0	7.3	7.7
PST-A2E	8.0	7.3	7.7
VESPER (PICK MVB)	8.0	7.3	7.7
PENNCROSS	8.0	7.0	7.5
SRX 1BPAA	7.3	7.3	7.3
ISI AP-5	7.7	6.7	7.2
PICK CB 13-94	7.3	7.0	7.2
SR 7200	7.7	6.7	7.2
SRX 1NJH	7.7	6.7	7.2
PENNLINKS	7.7	6.3	7.0
SR 1119	7.7	6.3	7.0
BRIGHTON (SRX 1120)	7.3	6.3	6.8
SYN 96-1	7.3	6.3	6.8
IMPERIAL	7.3	5.7	6.5
PENN G-1	7.0	6.0	6.5
PENN A-4	7.0	5.3	6.2
BAVARIA	7.0	5.0	6.0
SYN 96-3	7.0	5.0	6.0
BACKSPIN	6.7	5.0	5.8
BAR CB 8US3	6.3	4.3	5.3
SYN 96-2	7.0	3.7	5.3
PROVIDENCE	6.3	4.0	5.2
CENTURY	5.7	4.0	4.8
CRENSHAW	4.7	2.3	3.5
LSD VALUE	1.7	2.1	1.7
C.V. (%)	12.0	20.2	14.4

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 33. DOLLAR SPOT RATINGS OF BENIGRASS CULTIVARS  
AT BLACKSBURG, VA 2/  
2001 DATA

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

NAME	MARCH	MAY	MEAN
SR 7200	8.7	7.3	8.0
PENNLINKS	8.7	7.0	7.8
BAVARIA	8.3	7.0	7.7
L-93	8.0	6.7	7.3
ISI AP-5	7.3	7.0	7.2
PENNCROSS	8.0	6.3	7.2
SRX 1BPAA	8.3	6.0	7.2
SRX 1NJH	8.0	6.3	7.2
VESPER (PICK MVB)	7.3	7.0	7.2
IMPERIAL	7.0	6.7	6.8
PENN A-2	8.0	5.7	6.8
PENN A-1	6.7	6.7	6.7
BAR CB 8US3	6.0	7.0	6.5
SYN 96-3	7.3	5.7	6.5
CRENSHAW	6.7	6.0	6.3
PICK CB 13-94	6.7	6.0	6.3
PENN G-1	6.0	6.3	6.2
PENN G-6	6.7	5.3	6.0
PST-A2E	7.0	5.0	6.0
SYN 96-2	6.0	5.7	5.8
BRIGHTON (SRX 1120)	5.3	6.0	5.7
SYN 96-1	6.3	5.0	5.7
BACKSPIN	5.7	5.3	5.5
CENTURY	5.7	5.3	5.5
PROVIDENCE	4.3	6.7	5.5
BENGAL (BAR AS 8FUS2)	5.0	5.7	5.3
SR 1119	4.7	6.0	5.3
ABT-CRB-1	4.7	5.7	5.2
PENN A-4	5.3	5.0	5.2
LSD VALUE	3.9	3.2	3.0
C.V. (%)	25.2	17.9	18.7

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

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

TABLE 34. DOLLAR SPOT RATINGS OF BENIGRASS CULTIVARS  
AT MADISON (WITH FUNGICIDES), WI 1/  
2001 DATA

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

NAME	JUNE	JULY	MEAN
SR 7200	8.7	7.7	8.2
VESPER (PICK MVB)	9.0	6.3	7.7
PST-A2E	8.0	6.3	7.2
PENNLINKS	8.0	6.0	7.0
L-93	7.7	6.0	6.8
PENN A-2	7.0	6.7	6.8
SRX 1BPAA	8.0	5.3	6.7
SRX 1NJH	8.0	5.0	6.5
BENGAL (BAR AS 8FUS2)	7.3	5.3	6.3
PENN G-1	7.3	5.3	6.3
PENN G-6	7.3	5.3	6.3
BAVARIA	6.3	6.0	6.2
PENNCROSS	6.7	5.7	6.2
BACKSPIN	6.7	4.7	5.7
BRIGHTON (SRX 1120)	6.3	5.0	5.7
ISI AP-5	6.7	4.7	5.7
PICK CB 13-94	6.7	4.7	5.7
SR 1119	6.3	5.0	5.7
SYN 96-3	7.3	4.0	5.7
ABT-CRB-1	7.0	4.0	5.5
PENN A-1	6.3	4.7	5.5
PROVIDENCE	6.7	4.0	5.3
SYN 96-1	5.7	5.0	5.3
BAR CB 8US3	6.0	4.3	5.2
IMPERIAL	6.7	3.7	5.2
CENTURY	6.3	3.7	5.0
PENN A-4	5.7	4.0	4.8
SYN 96-2	6.0	3.7	4.8
CRENSHAW	4.7	3.0	3.8
LSD VALUE	2.1	1.6	1.3
C.V. (%)	15.5	18.8	13.0

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

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

TABLE 35. DOLLAR SPOT RATINGS OF BENIGRASS CULTIVARS  
AT MADISON (WITHOUT FUNGICIDES), WI 1/  
2001 DATA

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

NAME	JUNE	JULY	MEAN
SR 7200	9.0	7.3	8.2
VESPER (PICK MVB)	8.3	5.3	6.8
PST-A2E	7.3	5.7	6.5
L-93	7.0	5.7	6.3
PENNLINKS	6.7	5.7	6.2
PENN A-1	7.0	4.7	5.8
PENN A-2	7.0	4.7	5.8
SRX 1BPAA	7.7	4.0	5.8
PENNCROSS	6.3	5.0	5.7
SRX 1NJH	6.3	4.3	5.3
BAVARIA	6.0	4.3	5.2
BENGAL (BAR AS 8FUS2)	6.7	3.7	5.2
PENN G-1	6.7	3.7	5.2
PENN G-6	6.0	4.3	5.2
ISI AP-5	6.0	4.0	5.0
PICK CB 13-94	6.7	3.3	5.0
ABT-CRB-1	6.0	3.7	4.8
BRIGHTON (SRX 1120)	5.7	3.7	4.7
SR 1119	5.7	3.7	4.7
PENN A-4	5.3	3.7	4.5
SYN 96-3	6.3	2.7	4.5
PROVIDENCE	5.3	3.3	4.3
BACKSPIN	5.7	2.7	4.2
SYN 96-1	5.3	2.7	4.0
BAR CB 8US3	4.3	3.0	3.7
IMPERIAL	5.0	2.3	3.7
SYN 96-2	4.7	2.0	3.3
CENTURY	4.3	1.7	3.0
CRENSHAW	3.7	2.0	2.8
LSD VALUE	1.7	1.6	1.3
C.V. (%)	16.5	25.2	16.1

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. DOLLAR SPOT RATINGS OF BENIGRASS CULTIVARS  
AT AUBURN, AL 1/  
2001 DATA

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

NAME	JANUARY	MARCH	MEAN
BAVARIA	9.0	8.7	8.8
SR 7200	8.7	9.0	8.8
PENNCROSS	8.7	8.0	8.3
PENNLINKS	8.7	8.0	8.3
PENN A-1	8.7	7.7	8.2
PENN A-2	8.7	7.7	8.2
SR 1119	8.7	7.3	8.0
VESPER (PICK MVB)	8.7	7.3	8.0
ABT-CRB-1	8.3	7.3	7.8
PICK CB 13-94	8.3	7.3	7.8
PST-A2E	8.0	7.7	7.8
SRX 1BPAA	8.7	7.0	7.8
L-93	8.3	6.7	7.5
PENN G-1	8.3	6.7	7.5
PENN G-6	8.7	6.3	7.5
SRX 1NJH	8.3	6.7	7.5
BRIGHTON (SRX 1120)	7.7	7.0	7.3
BENGAL (BAR AS 8FUS2)	8.3	6.0	7.2
PROVIDENCE	8.3	6.0	7.2
SYN 96-2	8.3	6.0	7.2
IMPERIAL	8.0	6.0	7.0
SYN 96-1	8.3	5.7	7.0
BAR CB 8US3	8.3	5.3	6.8
CRENSHAW	8.0	5.7	6.8
ISI AP-5	8.0	5.7	6.8
SYN 96-3	8.7	5.0	6.8
BACKSPIN	8.0	5.3	6.7
CENTURY	8.0	5.3	6.7
PENN A-4	7.7	4.7	6.2
LSD VALUE	1.0	2.9	1.7
C.V. (%)	5.2	20.6	10.9

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 37. BROWN PATCH RATINGS OF BENIGRASS CULTIVARS  
AT ORONO, ME 1/  
2001 DATA

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

NAME	MAY	JULY	AUGUST	OCTOBER	MEAN
SR 7200	9.0	9.0	9.0	9.0	9.0
VESPER (PICK MVB)	9.0	9.0	9.0	9.0	9.0
SYN 96-3	7.7	8.7	8.7	9.0	8.5
PENN G-6	8.7	5.0	8.3	9.0	7.8
SYN 96-1	8.0	6.0	8.3	9.0	7.8
SYN 96-2	8.7	5.0	9.0	8.7	7.8
SRX 1NJH	8.0	5.7	8.0	9.0	7.7
ABT-CRB-1	7.3	6.0	7.7	9.0	7.5
BACKSPIN	8.7	3.7	9.0	8.7	7.5
PENNCROSS	8.7	4.7	7.7	9.0	7.5
ISI AP-5	7.0	5.0	8.0	9.0	7.3
PENN A-1	8.0	3.7	8.7	9.0	7.3
PENN G-1	8.0	4.0	8.3	8.3	7.2
BENGAL (BAR AS 8FUS2)	6.0	6.3	7.0	9.0	7.1
L-93	7.0	3.7	8.7	9.0	7.1
PENN A-4	8.0	2.7	8.3	9.0	7.0
SR 1119	7.3	3.3	8.0	9.0	6.9
SRX 1BPAA	7.3	3.3	8.0	9.0	6.9
IMPERIAL	5.7	3.3	9.0	9.0	6.8
PENNLINKS	6.0	4.0	8.3	8.7	6.8
PICK CB 13-94	6.0	4.3	8.0	8.7	6.8
CRENSHAW	7.0	2.7	8.3	8.7	6.7
PST-A2E	7.0	3.3	7.3	9.0	6.7
BAVARIA	8.7	1.7	6.7	8.0	6.3
BRIGHTON (SRX 1120)	6.7	2.0	8.0	8.7	6.3
CENTURY	4.0	4.3	7.0	9.0	6.1
PENN A-2	4.0	3.3	6.0	9.0	5.6
BAR CB 8US3	2.7	1.7	7.7	8.7	5.2
PROVIDENCE	3.3	1.7	6.7	8.3	5.0
LSD VALUE	3.8	2.6	3.6	1.3	1.3
C.V. (%)	27.4	35.8	15.4	4.8	11.1

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

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



TABLE 38. TAKE-ALL PATCH RATINGS OF BENTGRASS CULTIVARS  
AT MADISON (WITH FUNGICIDES), WI 1/  
2001 DATA

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

NAME	JUNE 13	JUNE 18	MEAN
BAR CB 8US3	9.0	9.0	9.0
ISI AP-5	9.0	9.0	9.0
VESPER (PICK MVB)	8.7	9.0	8.8
ABT-CRB-1	8.3	9.0	8.7
SYN 96-2	8.0	9.0	8.5
PENN A-4	8.0	8.0	8.0
PENN A-1	8.0	7.7	7.8
CRENSHAW	7.3	7.3	7.3
IMPERIAL	7.0	7.7	7.3
L-93	7.0	7.7	7.3
PENN A-2	7.0	7.7	7.3
PICK CB 13-94	7.0	7.7	7.3
SRX 1BPAA	7.0	7.7	7.3
SYN 96-3	7.0	7.7	7.3
SR 7200	6.0	8.0	7.0
SRX 1NJH	7.0	7.0	7.0
SYN 96-1	6.3	7.7	7.0
BAVARIA	6.0	7.7	6.8
PROVIDENCE	6.3	7.3	6.8
BENGAL (BAR AS 8FUS2)	6.7	6.7	6.7
CENTURY	7.0	6.3	6.7
PENNLINKS	6.7	6.3	6.5
PENNCROSS	5.3	7.0	6.2
BACKSPIN	5.3	6.7	6.0
PST-A2E	6.0	6.0	6.0
BRIGHTON (SRX 1120)	5.3	6.0	5.7
PENN G-6	5.7	5.7	5.7
SR 1119	5.0	6.0	5.5
PENN G-1	5.0	5.7	5.3
LSD VALUE	10.6	8.3	9.4
C.V. (%)	38.5	29.4	33.1

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 39. TAKE-ALL PATCH RATINGS OF BENTGRASS CULTIVARS  
AT MADISON (WITHOUT FUNGICIDES), WI 1/  
2001 DATA

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

NAME	JUNE 13	JUNE 18	MEAN
ISI AP-5	9.0	9.0	9.0
BAR CB 8US3	9.0	8.7	8.8
SYN 96-2	8.7	9.0	8.8
CRENSHAW	8.7	8.7	8.7
VESPER (PICK MVB)	8.0	9.0	8.5
PENN A-1	8.0	7.7	7.8
PICK CB 13-94	7.7	8.0	7.8
ABT-CRB-1	7.7	7.7	7.7
PENN A-4	7.7	7.7	7.7
SR 7200	7.3	8.0	7.7
IMPERIAL	7.0	7.7	7.3
L-93	7.3	7.3	7.3
SRX 1BPAA	7.3	7.3	7.3
SYN 96-3	7.0	7.7	7.3
PENN G-6	7.0	7.3	7.2
BENGAL (BAR AS 8FUS2)	7.3	6.7	7.0
CENTURY	7.0	7.0	7.0
PROVIDENCE	7.7	6.3	7.0
SRX 1NJH	7.0	7.0	7.0
BAVARIA	6.3	7.3	6.8
PENN A-2	6.3	7.3	6.8
SYN 96-1	6.3	7.3	6.8
PENNLINKS	6.7	6.7	6.7
BACKSPIN	6.0	6.3	6.2
PST-A2E	6.0	6.0	6.0
PENN G-1	6.0	5.7	5.8
PENNCROSS	5.0	6.7	5.8
SR 1119	5.3	6.0	5.7
BRIGHTON (SRX 1120)	5.7	4.7	5.2
LSD VALUE	10.5	8.5	9.4
C.V. (%)	35.6	30.1	31.9

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

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

TABLE 40. COLOR RATINGS OF BENTGRASS CULTIVARS  
AT AUBURN, AL 1/  
2001 DATA

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

NAME	JUNE	SEPTEMBER	OCTOBER	MEAN
SRX 1BPAA	6.3	7.3	9.0	7.6
SRX 1NJH	6.7	7.3	8.7	7.6
SYN 96-2	7.7	7.7	7.0	7.4
BRIGHTON (SRX 1120)	6.3	7.3	7.3	7.0
CRENSHAW	6.7	7.0	7.3	7.0
PENN A-4	7.0	7.3	6.7	7.0
PENN G-1	6.7	6.7	7.0	6.8
PROVIDENCE	5.7	7.3	7.3	6.8
SR 1119	5.7	7.0	7.7	6.8
BENGAL (BAR AS 8FUS2)	6.0	6.3	7.0	6.4
ISI AP-5	6.0	6.7	6.7	6.4
L-93	5.7	6.3	7.3	6.4
PENN A-2	7.0	5.7	6.7	6.4
BAR CB 8US3	5.3	6.3	7.3	6.3
PICK CB 13-94	6.0	6.3	6.7	6.3
PENNCROSS	5.0	7.3	6.3	6.2
PST-A2E	5.7	6.0	7.0	6.2
PENN A-1	5.7	6.7	6.0	6.1
CENTURY	5.3	6.3	6.3	6.0
PENNLINKS	5.0	6.7	6.3	6.0
PENN G-6	6.3	5.3	6.0	5.9
IMPERIAL	5.3	6.0	6.0	5.8
VESPER (PICK MVB)	5.0	5.0	6.3	5.4
ABT-CRB-1	5.0	4.7	6.3	5.3
BACKSPIN	4.7	5.3	6.0	5.3
SYN 96-1	5.3	5.3	5.3	5.3
SYN 96-3	5.0	5.0	6.0	5.3
SR 7200	4.7	3.7	4.7	4.3
BAVARIA	2.7	3.3	5.0	3.7
LSD VALUE	1.4	1.5	1.5	1.1
C.V. (%)	14.9	14.9	13.0	11.0

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.

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

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

NAME	ALL LOCATIONS		STATISTICS FOR ALL LOCATIONS				
	MEAN 1/	RANK 2/	SUM OF RANKS 3/	RANK 4/	HIGHEST RANK 5/	LOWEST RANK 6/	MAXIMUM IN TOP 25% 7/
ABT-CRB-1	5.9	20	349	21	4	28	5
BACKSPIN	5.8	23	396	25	6	27	5
BAR CB 8US3	5.9	18	331	18	1	27	5
BAVARIA	3.9	29	551	29	21	29	0
BENGAL (BAR AS 8FUS2)	6.2	10	263	10	2	28	25
BRIGHTON (SRX 1120)	5.9	21	347	20	6	24	5
CENTURY	6.0	17	312	16	1	25	10
CRENSHAW	5.8	22	384	22	3	28	15
IMPERIAL	6.0	14	296	15	5	28	20
ISI AP-5	6.1	12	273	12	3	27	20
L-93	6.4	3	156	3	1	25	50
PENN A-1	6.5	1	142	1	1	20	70
PENN A-2	6.4	4	191	4	2	25	45
PENN A-4	6.3	5	217	5	1	23	30
PENN G-1	6.5	2	151	2	2	16	55
PENN G-6	6.3	6	218	7	1	23	30
PENNCROSS	5.3	26	455	28	4	28	10
PENNLINKS	5.4	25	442	27	2	29	10
PICK CB 13-94	6.0	15	291	14	4	26	15
PROVIDENCE	5.7	24	393	24	6	29	5
PST-A2E	6.2	9	229	8	2	24	40
SR 1119	5.9	19	343	19	3	27	10
SR 7200	5.0	28	429	26	1	29	20
SRX 1BPAA	6.0	16	317	17	3	26	20
SRX 1NJH	6.0	13	275	13	3	29	30
SYN 96-1	6.2	8	250	9	1	23	25
SYN 96-2	6.1	11	271	11	2	26	30
SYN 96-3	6.2	7	218	7	1	28	40
VESPER (PICK MVB)	5.2	27	389	23	1	29	25
LSD VALUE	0.2						
C.V. (%)	9.3						

\*/ 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.