

## **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 2002 data, data from each location will be posted separately as well on the NTEP web site, <http://www.ntep.org>). Also available now is a summary table (Appendix) in the back of this report. This summary table includes various statistical measures not previously compiled for NTEP reports. For an explanation of this table and these changes, please go to the NTEP web site at <http://www.ntep.org/pdf/grandmean.mem.pdf>.

### **Other Ratings**

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

2003 NATIONAL BENTGRASS TEST  
(Greens)

LOCATIONS SUBMITTING DATA FOR 2004

<u>State</u>	<u>Location</u>	<u>Code</u>
Arizona	Tucson	AZ1
Arkansas	Fayetteville	AR1
Illinois	Urbana	IL1
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
Kansas	Manhattan	KS1
Kentucky	Lexington	KY1
Maine	Orono	ME1
Massachusetts	Amherst	MA1
Michigan	East Lansing	MI1
Minnesota	St. Paul	MN1
Nebraska	Mead	NE1
New Jersey	North Brunswick	NJ1
New York	Ithaca	NY1
New York	Farmingdale (Reduced Fungicides)	NY2
North Carolina	Raleigh	NC1
Oklahoma	Stillwater	OK1
Pennsylvania	University Park	PA1
Quebec	Quebec City	QE1
South Dakota	Brookings	SD1
Texas	Dallas	TX1
Texas	College Station	TX2
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Washington	Puyallup (Low Maintenance)	WA3
Wisconsin	Madison	WI1

2003 NATIONAL BENTGRASS TEST  
(Putting Green)

Entries and Sponsors

Entry No.	Name	Species	Sponsor
1	LS-44	creeping	Links Seed, LLC
2	Penn A-1	creeping	Standard Entry
3	Benchmark DSR	creeping	Turf Merchants, Inc.
4	Penncross	creeping	Standard Entry
5	CY-2	creeping	Snow Brand Seed Co. & Chiba-Prefecture Agr. Exp. Station
6	Alpha	creeping	Jacklin Seed by Simplot
7	T-1	creeping	Jacklin Seed by Simplot
8	SR 7200	velvet	Standard Entry
9	13-M	creeping	Pennington Seed
10	Declaration	creeping	Lebanon Turf Products
11	Independence	creeping	Lebanon Turf Products
12	Legendary	velvet	Lebanon Turf Products
13	235050	creeping	LESCO, Inc.
14	Bengal	creeping	Barenbrug USA
15	Kingpin (9200)	creeping	ProSeeds Marketing
16	Villa (IS-AC 1)	velvet	DLF International Seeds
17	IS-AP 9	creeping	DLF International Seeds
18	EFD	velvet	ProSeeds Marketing
19	Vesper	velvet	Standard Entry
20	Memorial (A03-EDI)	creeping	The Scotts Company
21	007 (DSB)	creeping	R. H. Hurley, LLC
22	Greenwich	velvet	Turf-Seed, Inc.
23	Shark (23R)	creeping	Mountain View Seeds, Ltd.
24	SRX 1GPD	creeping	Seed Research of Oregon
25	SRX 1GD	creeping	Seed Research of Oregon
26	Pennlinks II	creeping	Tee-2-Green Corp.

TABLE A.

2004 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN  
THE 2003 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
AR1	SAND	6.1-6.5	0-60	0-150	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
AZ1	SAND	8.6+	0-60	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	241-375	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
IN1	SILT LOAM AND SILT	6.6-7.0	151-270	241-375	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
KS1	SAND	6.6-7.0	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	0-60	151-240	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MA1	SAND	5.6-6.0	0-60	241-375	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
ME1	-	-	-	-	-	-	-	-
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	SAND	7.6-8.5	0-60	0-150	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NC1	-	-	-	-	-	-	-	-
NE1	SAND	7.6-8.5	0-60	0-150	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NJ1	SAND	6.1-6.5	0-60	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NY1	SANDY LOAM	6.1-6.5	151-270	241-375	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NY2	LOAMY SAND	4.6-5.5	0-60	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
OK1	SAND	7.1-7.5	61-150	0-150	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
PA1	SANDY LOAM	6.6-7.0	151-270	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
QE1	-	-	-	-	-	-	-	-
SD1	SILTY CLAY LOAM	7.6-8.5	0-60	241-375	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
TX1	SAND	7.6-8.5	0-60	0-150	8.1+	FULL SUN	0.0-0.5	TO PREVENT STRESS
TX2	SANDY CLAY LOAM	7.6-8.5	61-150	151-240	6.1-7.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
UT1	SAND	7.6-8.5	0-60	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
VA1	LOAMY SAND	5.6-6.0	0-60	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
WA3	SAND	5.6-6.0	0-60	151-240	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
WI1	SILT LOAM AND SILT	7.1-7.5	61-150	241-375	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS



TABLE B.

## LOCATIONS AND DATA COLLECTED IN 2004

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
AR1		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	
IN1				X	X	X	X	X	X	X	X		X	X	
KS1					X	X	X	X	X	X					
KY1			X	X	X	X	X	X	X	X			X		
MA1							X	X	X	X	X	X	X		
ME1					X		X	X	X	X			X		X
MI1				X	X	X	X	X		X	X			X	X
MN1					X	X	X	X	X	X			X		
NC1	X	X	X	X	X	X	X	X	X	X	X	X	X		
NE1				X	X	X	X	X	X	X	X		X	X	
NJ1				X	X	X	X	X	X	X	X		X		X
NY1							X	X	X	X					X
NY2							X	X	X	X					X
OK1						X	X	X	X	X	X	X	X		
PA1					X	X	X	X	X	X			X		
QE1							X	X	X	X			X		X
SD1															
TX1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
TX2						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	
WI1					X	X	X	X	X	X			X		

TABLE B. (CONT'D)

## LOCATIONS AND DATA COLLECTED IN 2004

LOCATION	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	PINK SNOW MOLD	LEAF SPOT	DOLLAR SPOT	RED THREAD	BROWN PATCH WARM TEMP	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER
AR1				X				X									
AZ1	X	X	X	X	X	X	X	X						X	X	X	
IA1																	
IL1			X														
IN1				X													
KS1																	
KY1	X		X		X			X									
MA1	X		X														X
ME1			X			X				X		X	X				
MI1	X	X		X	X		X										
MN1			X														
NC1			X														
NE1		X	X	X													
NJ1				X							X		X				
NY1	X																
NY2	X																
OK1						X	X										
PA1	X		X								X						
QE1	X			X													
SD1																	
TX1		X	X	X							X						
TX2				X				X									
UT1			X			X											
VA1			X	X				X	X						X		
WA3	X		X										X				
WI1			X		X						X						

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2004

LOCATION	PERCENT ESTABLISHMENT	SCALPING RATING	DRY SPOT AUGUST	SOD WEB WORM DAMAGE	COPPER SPOT	DOLLAR SPOT MAY	DOLLAR SPOT JUNE	DOLLAR SPOT JULY	DOLLAR SPOT AUGUST	BROWN PATCH JUNE	BROWN PATCH JULY	BROWN PATCH AUGUST	PYTHIUM ROOT ROT (2003)		PERCENT NOV 03	ESTABLISHMENT			WEEDS JUNE	WEEDS SEP		
													NOV	DEC		DEC 03	JAN 04					
AR1																						
AZ1																						
IA1	X																					
IL1	X																					
IN1						X	X	X	X													
KS1																						
KY1						X	X	X	X													
MA1		X																				
ME1	X																				X	X
MI1																						
MN1																						
NC1											X	X	X	X	X	X	X	X				
NE1																						
NJ1	X				X																	
NY1																						
NY2																						
OK1	X																					
PA1																						
QE1																						
SD1	X																					
TX1																						
TX2																						
UT1																						
VA1	X			X						X	X											
WA3			X																			
WI1																						

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON  
A SAND GREEN AT TWELVE LOCATIONS IN THE U.S. AND CANADA 1/  
2004 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/												
	AR1	AZ1	KS1	MA1	MN1	NC1	NE1	NJ1	OK1	QE1	TX1	UT1	MEAN
SRX 1GD	6.5	6.8	4.9	4.9	6.4	5.9	6.4	7.5	6.3	6.8	6.2	6.6	6.3
235050	6.7	6.7	5.4	5.0	6.4	6.1	6.6	6.6	6.0	6.3	5.6	6.8	6.2
CY-2	6.0	6.5	6.3	5.1	6.4	5.4	6.4	6.5	6.4	6.6	5.8	6.1	6.1
* PENN A-1	6.1	6.6	5.6	5.1	6.5	6.1	6.3	5.9	6.5	7.0	5.3	6.6	6.1
* T-1	6.1	7.0	4.8	5.4	6.9	5.8	6.5	5.9	4.4	7.8	5.7	6.8	6.1
SHARK (23R)	6.6	6.1	5.8	5.1	6.5	6.3	5.7	6.6	5.9	5.5	5.8	7.1	6.1
* DECLARATION	6.4	6.5	5.4	5.1	6.6	5.7	6.6	6.5	5.6	6.3	5.9	6.4	6.1
007 (DSB)	6.2	6.5	5.3	4.9	6.7	5.8	5.5	5.9	5.0	7.3	5.7	7.7	6.0
* MEMORIAL (A03-EDI)	6.0	6.9	6.2	6.0	6.0	6.3	6.5	5.2	4.6	6.1	5.8	6.4	6.0
IS-AP 9	5.7	6.3	5.9	5.6	6.5	6.2	6.5	5.6	4.7	6.0	5.7	6.7	5.9
* INDEPENDENCE	6.1	6.7	4.8	4.9	6.6	5.9	5.5	6.3	5.5	6.6	5.6	6.6	5.9
* LS-44	5.7	7.0	5.7	5.8	6.7	5.6	5.7	5.7	5.3	5.8	5.2	6.1	5.9
SRX 1GPD	6.1	5.9	5.4	5.2	6.3	5.7	5.6	6.3	6.0	5.8	5.5	6.6	5.9
* BENGAL	6.2	6.8	5.1	5.2	6.2	6.0	7.1	5.2	5.4	5.5	5.8	6.1	5.9
* ALPHA	6.0	6.9	5.3	5.0	6.3	5.6	7.0	4.5	5.1	5.3	5.2	6.3	5.7
* BENCHMARK DSR	5.7	6.3	5.8	5.3	6.3	5.9	7.6	3.9	4.7	5.7	5.3	6.3	5.7
13-M	5.7	6.6	5.6	5.5	6.2	5.4	6.3	4.8	4.8	5.6	5.5	6.3	5.7
KINGPIN (9200)	5.8	5.5	5.1	5.3	6.1	5.3	7.1	4.4	4.8	7.0	5.6	6.0	5.7
* PENNLINKS II	5.5	6.9	5.4	5.4	6.0	5.5	6.3	4.4	5.0	6.3	5.2	5.5	5.6
* VILLA (IS-AC 1)	6.5	5.8	4.2	6.2	6.4	5.3	5.8	7.8	5.4	6.0	4.8	2.8	5.6
* GREENWICH	6.0	6.0	4.5	6.1	6.4	5.8	5.8	7.0	6.2	4.8	4.6	3.7	5.6
* LEGENDARY	6.2	6.1	4.1	6.4	6.2	5.1	5.8	7.5	5.8	5.8	4.5	2.9	5.5
EFD	5.8	5.9	4.2	6.1	6.3	6.1	5.8	7.1	5.9	4.9	4.4	2.8	5.4
* VESPER	6.0	5.3	4.1	6.3	6.9	5.7	3.4	7.1	5.8	5.4	4.4	2.8	5.3
* SR 7200	6.0	5.6	3.6	6.2	5.9	5.3	6.0	6.3	5.0	6.0	4.4	2.4	5.2
* PENNCROSS	5.0	6.9	4.9	5.2	5.3	5.5	5.5	2.8	4.0	7.0	4.6	4.5	5.1
LSD VALUE	0.7	0.8	0.7	0.5	0.5	1.0	0.6	0.7	1.3	2.2	0.7	0.8	0.3
C.V. (%)	7.6	8.2	8.9	5.9	5.0	11.1	6.6	7.8	14.7	22.5	7.9	9.5	10.8

\* COMMERCIALY AVAILABLE IN THE USA IN 2005.

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 ELEVEN LOCATIONS IN THE U.S. AND CANADA 1/  
2004 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
	IA1	IL1	IN1	KY1	ME1	MI1	NY1	PA1	TX2	VA1	WI1	MEAN
DECLARATION	7.0	5.9	7.6	6.5	6.4	6.8	6.9	7.6	5.9	4.5	6.4	6.5
007 (DSB)	7.1	6.0	7.5	6.8	6.8	6.8	6.3	7.7	6.1	4.4	5.9	6.5
235050	7.5	5.6	7.4	6.2	6.6	6.6	6.9	7.8	6.0	4.6	6.0	6.5
SHARK (23R)	7.1	5.8	7.3	6.2	6.7	6.7	6.4	7.7	6.3	4.8	5.7	6.4
IS-AP 9	6.9	6.1	7.0	7.0	6.7	5.7	6.5	7.2	6.1	4.6	5.1	6.3
T-1	7.2	5.8	7.3	6.4	7.1	6.2	6.7	6.9	6.1	4.4	4.6	6.2
PENN A-1	6.9	5.6	7.1	6.1	6.5	6.4	6.8	7.4	5.9	4.2	5.7	6.2
SRX 1GD	6.7	5.6	7.0	5.8	6.6	5.7	6.6	7.7	6.6	4.8	5.4	6.2
CY-2	6.4	5.9	7.1	6.5	6.1	6.3	6.8	7.1	6.2	4.6	5.2	6.2
INDEPENDENCE	6.7	5.6	6.8	6.0	7.2	6.6	6.6	6.9	6.3	4.7	5.1	6.2
13-M	6.2	5.4	6.8	6.1	6.7	6.5	6.7	6.7	5.9	4.7	6.3	6.2
SRX 1GPD	6.2	5.5	7.4	6.0	6.7	6.3	6.3	7.4	5.8	4.8	5.4	6.2
ALPHA	6.5	5.6	6.7	6.4	6.7	6.1	6.8	6.7	6.1	4.8	5.3	6.2
MEMORIAL (A03-EDI)	6.3	5.2	7.1	6.5	6.8	6.4	6.4	6.7	5.8	4.9	5.3	6.1
LS-44	6.3	5.4	6.8	6.0	6.8	6.2	6.8	6.4	5.8	5.0	5.0	6.1
KINGPIN (9200)	6.3	5.5	7.1	6.1	7.0	5.8	6.3	6.8	6.0	4.5	4.9	6.0
BENGAL	6.4	5.3	6.9	5.8	6.6	6.3	6.8	6.4	6.1	4.7	4.4	6.0
BENCHMARK DSR	6.4	4.8	7.4	6.1	6.6	6.3	6.9	7.0	5.5	4.1	4.6	6.0
PENNLINKS II	6.0	5.0	6.4	6.4	6.6	5.9	6.8	6.0	5.3	4.2	4.6	5.7
LEGENDARY	5.7	4.1	6.2	4.5	8.3	5.7	6.6	7.3	3.7	3.8	5.1	5.5
GREENWICH	5.5	4.4	6.7	4.7	8.1	5.8	6.7	6.9	3.3	4.0	4.7	5.5
VILLA (IS-AC 1)	5.5	4.4	6.7	4.5	8.1	5.3	6.6	7.4	3.3	3.9	4.7	5.5
EFD	5.4	3.8	6.4	5.3	8.0	5.3	6.9	7.1	3.0	3.7	5.1	5.4
VESPER	5.2	4.0	6.1	4.9	8.0	5.4	6.3	6.7	3.0	3.9	4.2	5.3
PENNCROSS	5.8	4.3	5.7	5.0	5.8	6.1	6.9	4.8	4.4	4.5	4.1	5.2
SR 7200	5.0	3.4	5.3	4.8	8.0	5.7	6.8	4.9	3.3	3.6	3.7	5.0
LSD VALUE	0.7	0.6	0.4	0.6	0.8	0.6	0.7	0.6	0.6	0.5	0.9	0.2
C.V. (%)	6.7	7.6	3.9	6.0	6.8	6.1	6.5	5.1	7.5	6.5	11.3	6.7

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 3.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT TWELVE LOCATIONS  
USING A 1/8" OR LOWER MOWING HEIGHT 1/  
2004 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/												
	AR1	MA1	MI1	NC1	NE1	NJ1	NY1	OK1	PA1	QE1	VA1	WI1	MEAN
235050	6.7	5.0	6.6	6.1	6.6	6.6	6.9	6.0	7.8	6.3	4.6	6.0	6.3
SRX 1GD	6.5	4.9	5.7	5.9	6.4	7.5	6.6	6.3	7.7	6.8	4.8	5.4	6.2
DECLARATION	6.4	5.1	6.8	5.7	6.6	6.5	6.9	5.6	7.6	6.3	4.5	6.4	6.2
PENN A-1	6.1	5.1	6.4	6.1	6.3	5.9	6.8	6.5	7.4	7.0	4.2	5.7	6.1
SHARK (23R)	6.6	5.1	6.7	6.3	5.7	6.6	6.4	5.9	7.7	5.5	4.8	5.7	6.1
CY-2	6.0	5.1	6.3	5.4	6.4	6.5	6.8	6.4	7.1	6.6	4.6	5.2	6.0
007 (DSB)	6.2	4.9	6.8	5.8	5.5	5.9	6.3	5.0	7.7	7.3	4.4	5.9	6.0
LEGENDARY	6.2	6.4	5.7	5.1	5.8	7.5	6.6	5.8	7.3	5.8	3.8	5.1	5.9
SRX 1GPD	6.1	5.2	6.3	5.7	5.6	6.3	6.3	6.0	7.4	5.8	4.8	5.4	5.9
VILLA (IS-AC 1)	6.5	6.2	5.3	5.3	5.8	7.8	6.6	5.4	7.4	6.0	3.9	4.7	5.9
T-1	6.1	5.4	6.2	5.8	6.5	5.9	6.7	4.4	6.9	7.8	4.4	4.6	5.9
INDEPENDENCE	6.1	4.9	6.6	5.9	5.5	6.3	6.6	5.5	6.9	6.6	4.7	5.1	5.9
MEMORIAL (A03-EDI)	6.0	6.0	6.4	6.3	6.5	5.2	6.4	4.6	6.7	6.1	4.9	5.3	5.9
GREENWICH	6.0	6.1	5.8	5.8	5.8	7.0	6.7	6.2	6.9	4.8	4.0	4.7	5.8
EFD	5.8	6.1	5.3	6.1	5.8	7.1	6.9	5.9	7.1	4.9	3.7	5.1	5.8
IS-AP 9	5.7	5.6	5.7	6.2	6.5	5.6	6.5	4.7	7.2	6.0	4.6	5.1	5.8
BENGAL	6.2	5.2	6.3	6.0	7.1	5.2	6.8	5.4	6.4	5.5	4.7	4.4	5.8
LS-44	5.7	5.8	6.2	5.6	5.7	5.7	6.8	5.3	6.4	5.8	5.0	5.0	5.8
13-M	5.7	5.5	6.5	5.4	6.3	4.8	6.7	4.8	6.7	5.6	4.7	6.3	5.7
ALPHA	6.0	5.0	6.1	5.6	7.0	4.5	6.8	5.1	6.7	5.3	4.8	5.3	5.7
KINGPIN (9200)	5.8	5.3	5.8	5.3	7.1	4.4	6.3	4.8	6.8	7.0	4.5	4.9	5.7
BENCHMARK DSR	5.7	5.3	6.3	5.9	7.6	3.9	6.9	4.7	7.0	5.7	4.1	4.6	5.6
VESPER	6.0	6.3	5.4	5.7	3.4	7.1	6.3	5.8	6.7	5.4	3.9	4.2	5.5
PENNLINKS II	5.5	5.4	5.9	5.5	6.3	4.4	6.8	5.0	6.0	6.3	4.2	4.6	5.5
SR 7200	6.0	6.2	5.7	5.3	6.0	6.3	6.8	5.0	4.9	6.0	3.6	3.7	5.5
PENNCROSS	5.0	5.2	6.1	5.5	5.5	2.8	6.9	4.0	4.8	7.0	4.5	4.1	5.1
LSD VALUE	0.7	0.5	0.6	1.0	0.6	0.7	0.7	1.3	0.6	2.2	0.5	0.9	0.3
C.V. (%)	7.6	5.9	6.1	11.1	6.6	7.8	6.5	14.7	5.1	22.5	6.5	11.3	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 4. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN  
GROWN ON A GREEN AT ELEVEN LOCATIONS  
USING A 9/64" TO 5/32" MOWING HEIGHT 1/  
2004 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
	AZ1	IA1	IL1	IN1	KS1	KY1	ME1	MN1	TX1	TX2	UT1	MEAN
007 (DSB)	6.5	7.1	6.0	7.5	5.3	6.8	6.8	6.7	5.7	6.1	7.7	6.6
T-1	7.0	7.2	5.8	7.3	4.8	6.4	7.1	6.9	5.7	6.1	6.8	6.5
IS-AP 9	6.3	6.9	6.1	7.0	5.9	7.0	6.7	6.5	5.7	6.1	6.7	6.4
SHARK (23R)	6.1	7.1	5.8	7.3	5.8	6.2	6.7	6.5	5.8	6.3	7.1	6.4
235050	6.7	7.5	5.6	7.4	5.4	6.2	6.6	6.4	5.6	6.0	6.8	6.4
DECLARATION	6.5	7.0	5.9	7.6	5.4	6.5	6.4	6.6	5.9	5.9	6.4	6.4
CY-2	6.5	6.4	5.9	7.1	6.3	6.5	6.1	6.4	5.8	6.2	6.1	6.3
SRX 1GD	6.8	6.7	5.6	7.0	4.9	5.8	6.6	6.4	6.2	6.6	6.6	6.3
MEMORIAL (A03-EDI)	6.9	6.3	5.2	7.1	6.2	6.5	6.8	6.0	5.8	5.8	6.4	6.3
PENN A-1	6.6	6.9	5.6	7.1	5.6	6.1	6.5	6.5	5.3	5.9	6.6	6.2
INDEPENDENCE	6.7	6.7	5.6	6.8	4.8	6.0	7.2	6.6	5.6	6.3	6.6	6.2
ALPHA	6.9	6.5	5.6	6.7	5.3	6.4	6.7	6.3	5.2	6.1	6.3	6.2
LS-44	7.0	6.3	5.4	6.8	5.7	6.0	6.8	6.7	5.2	5.8	6.1	6.2
13-M	6.6	6.2	5.4	6.8	5.6	6.1	6.7	6.2	5.5	5.9	6.3	6.1
SRX 1GPD	5.9	6.2	5.5	7.4	5.4	6.0	6.7	6.3	5.5	5.8	6.6	6.1
BENGAL	6.8	6.4	5.3	6.9	5.1	5.8	6.6	6.2	5.8	6.1	6.1	6.1
BENCHMARK DSR	6.3	6.4	4.8	7.4	5.8	6.1	6.6	6.3	5.3	5.5	6.3	6.1
KINGPIN (9200)	5.5	6.3	5.5	7.1	5.1	6.1	7.0	6.1	5.6	6.0	6.0	6.0
PENNLINKS II	6.9	6.0	5.0	6.4	5.4	6.4	6.6	6.0	5.2	5.3	5.5	5.9
GREENWICH	6.0	5.5	4.4	6.7	4.5	4.7	8.1	6.4	4.6	3.3	3.7	5.3
PENNCROSS	6.9	5.8	4.3	5.7	4.9	5.0	5.8	5.3	4.6	4.4	4.5	5.2
VILLA (IS-AC 1)	5.8	5.5	4.4	6.7	4.2	4.5	8.1	6.4	4.8	3.3	2.8	5.1
LEGENDARY	6.1	5.7	4.1	6.2	4.1	4.5	8.3	6.2	4.5	3.7	2.9	5.1
EFD	5.9	5.4	3.8	6.4	4.2	5.3	8.0	6.3	4.4	3.0	2.8	5.0
VESPER	5.3	5.2	4.0	6.1	4.1	4.9	8.0	6.9	4.4	3.0	2.8	5.0
SR 7200	5.6	5.0	3.4	5.3	3.6	4.8	8.0	5.9	4.4	3.3	2.4	4.7
LSD VALUE	0.8	0.7	0.6	0.4	0.7	0.6	0.8	0.5	0.7	0.6	0.8	0.2
C.V. (%)	8.2	6.7	7.6	3.9	8.9	6.0	6.8	5.0	7.9	7.5	9.5	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 5. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS FOR EACH MONTH GROWN  
ON A GREEN AT PUYALLUP, WA 1/  
UNDER LOW MAINTENANCE  
2004 DATA

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

NAME	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
EFD	6.7	7.3	8.3	7.7	8.3	8.3	8.7	8.7	9.0	8.7	7.0	8.1
VESPER	7.0	7.3	7.7	7.7	8.7	8.7	9.0	8.7	8.7	7.7	6.0	7.9
GREENWICH	6.3	7.3	8.3	7.3	8.3	8.3	8.7	8.7	8.7	8.0	6.7	7.9
VILLA (IS-AC 1)	6.0	7.3	8.3	7.7	8.3	8.3	8.3	8.7	9.0	8.0	6.7	7.9
LEGENDARY	7.0	7.3	8.0	7.0	8.0	8.0	8.3	8.7	8.7	8.0	6.3	7.8
SR 7200	6.0	7.3	8.0	7.0	8.0	8.0	8.3	8.3	7.7	7.3	6.0	7.5
007 (DSB)	5.7	6.0	6.7	7.0	7.0	7.3	6.7	8.0	8.0	7.3	6.7	6.9
SHARK (23R)	5.3	6.0	7.3	7.7	6.7	7.3	7.3	7.7	7.7	7.3	6.0	6.9
235050	5.0	6.3	7.0	7.7	6.0	7.3	7.0	8.0	8.0	7.3	6.0	6.9
T-1	5.3	6.3	6.7	7.0	7.3	7.0	7.0	8.0	7.0	6.3	5.3	6.7
SRX 1GPD	5.3	5.7	6.7	6.7	6.0	6.3	7.0	7.3	7.7	7.3	6.0	6.5
DECLARATION	4.7	5.3	6.7	7.7	6.3	6.7	6.0	7.3	7.3	7.3	6.0	6.5
SRX 1GD	4.3	5.7	6.3	6.3	6.3	7.0	6.7	7.7	7.3	7.0	6.0	6.4
INDEPENDENCE	5.0	5.7	6.7	7.3	6.0	6.7	6.3	7.3	7.0	6.3	6.0	6.4
ALPHA	5.3	5.3	6.7	7.0	6.3	6.7	6.7	7.0	6.7	6.3	4.7	6.2
LS-44	5.3	6.3	7.0	8.0	6.0	6.3	5.7	6.7	6.0	5.7	5.3	6.2
BENGAL	6.0	5.7	6.0	5.7	6.7	6.7	6.3	7.0	6.7	6.0	5.0	6.2
BENCHMARK DSR	5.3	5.3	5.7	6.7	6.0	5.7	6.0	7.3	7.0	6.3	5.0	6.0
IS-AP 9	5.0	6.0	6.7	6.0	6.0	6.3	6.3	7.7	6.7	5.0	4.7	6.0
PENN A-1	4.7	5.0	6.7	7.0	5.0	5.7	6.3	7.0	6.7	6.3	5.7	6.0
CY-2	5.3	5.3	6.7	5.7	5.0	6.0	5.7	6.3	5.7	6.3	5.7	5.8
KINGPIN (9200)	5.0	4.7	5.7	6.3	5.7	6.0	5.7	6.7	6.0	6.0	4.7	5.7
PENNLINKS II	5.0	5.7	7.0	6.3	5.3	5.7	5.3	5.7	5.7	5.3	4.0	5.5
13-M	4.7	5.0	5.7	6.0	5.3	5.3	5.3	5.3	6.0	5.7	4.7	5.4
MEMORIAL (A03-EDI)	4.7	4.7	5.7	6.0	4.7	4.7	5.0	5.7	5.7	5.7	5.3	5.2
PENNCROSS	4.7	5.7	6.3	6.0	5.0	5.0	4.0	4.3	4.0	4.7	4.0	4.9
LSD VALUE	1.3	0.9	0.9	1.0	1.1	1.3	0.9	1.2	0.9	1.0	1.0	0.5
C.V. (%)	15.1	9.8	7.9	9.0	10.8	11.8	8.8	10.3	8.3	9.0	10.7	4.7

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 FOR EACH MONTH GROWN  
ON A GREEN AT FARMINGDALE, NY 1/  
UNDER REDUCED FUNGICIDES  
2004 DATA

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

NAME	JUL	AUG	SEP	OCT	MEAN
235050	6.3	7.3	7.0	7.0	6.9
BENCHMARK DSR	6.3	7.3	7.0	7.0	6.9
DECLARATION	6.7	7.3	6.7	7.0	6.9
EFD	7.0	6.7	7.0	7.0	6.9
PENNCROSS	7.0	7.0	6.7	7.0	6.9
ALPHA	6.7	7.3	6.7	6.7	6.8
BENGAL	6.3	6.7	7.3	7.0	6.8
CY-2	6.3	7.0	7.0	7.0	6.8
PENNLINKS II	6.7	7.0	6.7	7.0	6.8
SR 7200	6.7	7.0	6.7	7.0	6.8
LS-44	6.7	6.7	6.7	7.0	6.8
PENN A-1	6.7	6.7	7.0	6.7	6.8
13-M	6.3	6.7	7.0	6.7	6.7
GREENWICH	6.7	6.7	6.7	6.7	6.7
T-1	6.3	6.7	7.0	6.7	6.7
INDEPENDENCE	6.7	6.7	6.7	6.3	6.6
LEGENDARY	6.0	6.7	6.7	7.0	6.6
SRX 1GD	6.0	6.7	6.7	7.0	6.6
VILLA (IS-AC 1)	6.3	6.3	6.7	7.0	6.6
IS-AP 9	6.0	6.7	6.7	6.7	6.5
MEMORIAL (A03-EDI)	6.3	6.3	6.3	6.7	6.4
SHARK (23R)	6.3	6.3	6.3	6.7	6.4
007 (DSB)	6.3	6.3	6.3	6.3	6.3
SRX 1GPD	6.3	6.3	6.3	6.3	6.3
VESPER	6.3	6.3	6.3	6.3	6.3
KINGPIN (9200)	6.0	6.3	6.0	6.7	6.3
LSD VALUE	0.8	1.0	0.9	0.7	0.7
C.V. (%)	7.9	8.9	8.3	6.0	6.5

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 7.

GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004 DATA

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

NAME	AR1	AZ1	IA1	IL1	IN1	KY1	MA1	ME1	MN1	NC1	NE1	NJ1	OK1	PA1	QE1	TX1	UT1	VA1	WA3	WI1	MEAN
T-1	7.7	7.7	8.0	7.7	7.3	7.7	6.3	6.0	8.3	6.0	7.7	3.3	6.0	8.3	8.0	7.3	7.3	8.0	7.0	7.7	7.2
SRX 1GD	6.3	7.3	7.3	6.3	6.3	7.7	6.3	6.0	6.7	6.3	7.7	6.0	5.7	5.0	7.3	7.0	7.0	6.7	7.3	7.0	6.7
IS-AP 9	6.7	6.7	7.7	6.0	6.7	7.7	6.3	6.0	8.0	6.3	7.0	3.7	5.3	5.0	8.0	7.0	7.3	7.0	6.7	6.7	6.6
BENCHMARK DSR	5.7	6.3	7.3	6.0	7.3	6.7	6.7	6.0	7.7	6.0	7.0	2.3	4.7	8.0	8.0	7.3	6.7	7.0	6.7	8.0	6.6
235050	7.0	6.7	7.3	5.0	7.3	8.0	6.3	6.0	7.7	6.7	7.7	4.7	5.3	5.3	7.0	7.0	6.0	6.3	7.0	6.7	6.6
KINGPIN (9200)	6.3	6.7	6.7	6.3	7.3	6.3	6.7	6.0	7.7	6.3	9.0	1.7	5.0	7.0	7.7	7.0	6.0	6.7	6.0	8.0	6.5
007 (DSB)	7.3	6.7	7.3	6.3	6.7	7.7	6.7	6.0	7.3	5.3	7.3	5.3	4.7	4.3	7.7	6.7	7.3	6.0	7.3	6.3	6.5
LS-44	6.0	7.0	7.7	6.7	7.0	8.0	6.3	6.0	7.7	5.7	7.7	2.7	5.3	6.0	7.7	6.3	6.0	7.0	6.0	7.0	6.5
INDEPENDENCE	6.3	6.7	7.3	6.3	6.7	6.7	6.0	6.3	6.3	6.3	7.7	4.0	4.7	5.0	8.0	7.0	6.7	6.7	7.0	7.0	6.4
ALPHA	5.3	6.7	7.3	6.7	7.0	7.0	6.3	6.0	7.0	6.7	8.0	1.3	4.3	6.0	8.0	7.0	6.7	7.3	6.7	7.3	6.4
DECLARATION	6.7	7.0	7.7	6.0	6.0	8.0	6.0	6.0	6.7	6.7	7.3	5.7	4.7	4.0	7.0	7.0	6.3	6.7	6.7	6.3	6.4
PENN A-1	7.3	6.3	7.0	6.0	6.7	6.3	6.0	6.0	6.3	6.0	7.7	5.3	5.3	4.0	7.3	6.3	7.3	7.0	7.3	6.7	6.4
SR 7200	7.7	6.0	7.0	5.7	7.3	4.0	6.7	8.0	6.3	6.3	7.0	7.0	5.3	5.7	7.3	5.7	5.3	5.3	7.3	6.3	6.4
VESPER	8.0	5.7	7.0	5.7	7.0	4.3	7.0	7.7	7.3	6.7	7.0	6.0	5.7	5.3	7.3	5.0	5.0	5.0	8.0	5.3	6.3
SHARK (23R)	7.0	6.0	7.3	6.3	6.0	6.7	6.0	6.0	7.0	6.0	7.0	4.3	5.3	4.0	7.3	6.7	6.7	6.0	7.3	5.7	6.2
SRX 1GPD	6.7	6.7	6.7	6.0	6.3	7.0	6.7	6.0	5.7	5.7	7.7	4.7	4.0	4.7	8.0	6.0	6.3	6.0	6.7	6.7	6.2
BENGAL	6.0	6.3	7.0	6.0	6.7	7.0	6.0	6.0	6.7	6.3	7.3	3.0	5.0	4.0	8.0	7.0	5.7	6.3	6.7	7.0	6.2
GREENWICH	7.0	6.3	6.3	5.0	6.7	4.3	7.0	7.7	6.3	6.0	7.3	7.3	4.7	5.0	7.3	5.0	5.7	5.0	8.3	5.3	6.2
PENNLINKS II	6.0	7.0	7.3	6.3	6.7	6.0	6.0	6.0	6.7	5.7	7.3	2.3	4.7	4.7	7.7	6.3	5.7	6.3	5.3	7.3	6.1
EFD	7.3	5.0	6.7	4.7	6.3	3.7	6.7	7.3	6.3	6.0	8.0	8.0	4.7	5.0	7.0	5.0	4.7	5.0	8.3	5.0	6.0
LEGENDARY	7.0	5.7	6.0	4.7	7.0	3.3	7.0	7.7	6.0	6.3	7.7	7.3	4.7	4.3	7.0	4.7	5.0	4.7	8.3	5.7	6.0
MEMORIAL (A03-EDI)	5.7	6.3	6.7	6.0	6.0	6.0	6.3	6.0	5.3	6.3	7.7	3.3	5.0	4.0	7.3	7.3	6.0	5.3	6.0	7.0	6.0
VILLA (IS-AC 1)	7.0	5.3	6.0	5.3	7.0	3.0	6.7	7.7	6.0	5.3	8.0	8.0	4.0	5.0	7.0	5.0	5.0	4.3	9.0	5.0	6.0
CY-2	6.3	6.0	7.3	4.7	6.3	6.7	6.3	6.0	6.7	5.7	7.3	4.7	4.0	4.3	7.3	6.7	6.0	5.0	5.3	6.3	6.0
13-M	5.3	6.3	6.3	6.3	6.0	6.3	6.0	6.0	5.3	6.0	8.0	4.3	4.0	4.0	7.3	6.7	5.3	6.7	5.3	6.7	5.9
PENNCROSS	4.3	6.7	6.7	5.3	6.0	5.0	6.7	6.0	5.0	6.3	7.3	1.7	3.7	4.0	7.3	6.3	5.0	7.0	4.0	7.0	5.6
LSD VALUE	1.2	0.9	1.1	0.9	1.2	1.3	0.7	0.5	1.1	1.1	0.7	2.1	1.2	1.2	0.7	0.8	1.1	1.1	1.2	0.7	0.2
C.V. (%)	11.5	8.3	9.8	9.8	11.1	13.1	7.1	5.3	10.4	11.3	6.0	28.8	15.2	14.5	5.6	7.7	10.9	11.2	11.4	6.9	10.8

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

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

TABLE 8. SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004 DATA

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

NAME	AZ1	IL1	IN1	MI1	NE1	TX1	VA1	WA3	MEAN
BENGAL	6.0	6.3	6.0	6.0	7.3	7.3	7.3	5.3	6.5
PENNLINKS II	7.7	5.0	5.3	6.0	6.7	8.0	7.3	5.0	6.4
BENCHMARK DSR	6.3	5.0	5.7	6.0	7.0	8.0	8.0	4.7	6.3
KINGPIN (9200)	5.3	6.7	5.3	5.7	7.3	7.7	8.0	4.7	6.3
PENNCROSS	7.3	4.3	6.0	6.0	6.3	7.7	7.7	4.0	6.2
T-1	8.0	5.3	6.3	5.7	5.0	8.0	7.0	4.0	6.2
LS-44	7.7	5.0	5.7	6.0	4.7	7.7	8.0	4.3	6.1
ALPHA	6.0	5.3	6.3	5.7	5.7	7.7	8.0	4.3	6.1
DECLARATION	6.3	5.0	5.7	6.3	7.3	7.3	7.3	3.3	6.1
SRX 1GD	7.7	5.7	4.3	6.0	6.7	7.3	8.0	3.0	6.1
IS-AP 9	7.3	4.3	6.0	5.3	5.7	7.3	7.7	5.0	6.1
13-M	6.7	5.7	6.0	6.0	5.3	7.3	7.3	4.0	6.0
SRX 1GPD	7.0	5.0	5.7	6.0	5.0	7.0	7.7	4.0	5.9
PENN A-1	6.0	4.7	6.0	6.0	4.0	8.0	7.7	4.7	5.9
007 (DSB)	6.0	5.0	5.7	6.0	4.0	8.0	7.3	4.7	5.8
235050	6.0	4.3	5.7	6.0	6.3	7.3	7.3	3.7	5.8
INDEPENDENCE	7.0	4.7	5.7	6.0	4.3	7.3	7.7	4.0	5.8
MEMORIAL (A03-EDI)	6.3	5.0	5.3	5.0	5.0	7.7	7.3	4.7	5.8
CY-2	5.7	6.0	5.0	6.0	5.7	7.0	6.3	4.0	5.7
SHARK (23R)	6.0	4.3	5.3	6.0	5.0	7.0	7.7	4.3	5.7
SR 7200	5.3	4.7	4.7	4.0	6.0	6.3	6.3	6.3	5.5
VESPER	4.7	4.7	4.7	4.0	5.7	6.7	7.0	6.0	5.4
EFD	4.3	4.0	5.0	4.0	4.7	6.3	6.7	6.3	5.2
GREENWICH	5.3	3.3	4.0	4.0	5.7	6.7	6.3	5.7	5.1
LEGENDARY	4.0	3.7	4.0	4.0	5.7	6.3	5.3	7.0	5.0
VILLA (IS-AC 1)	4.0	4.3	4.3	4.0	6.3	6.3	5.3	5.3	5.0
LSD VALUE	1.3	1.7	1.1	0.4	1.0	0.8	1.1	1.6	0.4
C.V. (%)	13.1	21.8	13.0	4.6	10.9	6.6	9.1	20.8	12.6

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

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

TABLE 9.

LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004 DATA

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

NAME	AR1	AZ1	IA1	ME1	MI1	NJ1	NY1	NY2	QE1	TX1	TX2	MEAN
VILLA (IS-AC 1)	9.0	6.7	9.0	9.0	8.0	9.0	6.0	5.7	9.0	8.0	.	7.9
LEGENDARY	9.0	7.3	9.0	9.0	8.0	8.0	6.0	6.0	9.0	7.7	.	7.9
VESPER	9.0	6.7	7.7	9.0	8.0	8.7	6.3	6.3	9.0	7.3	.	7.8
GREENWICH	9.0	7.3	8.7	9.0	8.0	7.3	6.0	5.7	8.7	8.0	.	7.8
EFD	8.7	7.0	8.7	9.0	8.0	7.7	6.0	6.0	9.0	7.3	.	7.7
SR 7200	8.0	6.3	8.3	9.0	8.0	7.3	6.0	6.0	9.0	6.3	.	7.4
SRX 1GD	8.0	7.0	7.0	6.3	6.3	7.3	6.0	6.0	8.0	7.7	8.0	7.1
235050	8.0	7.0	8.3	5.7	6.7	5.7	6.3	6.3	8.3	7.3	7.0	7.0
SRX 1GPD	8.0	7.3	7.7	6.7	7.0	7.0	6.0	5.7	8.0	6.0	7.3	7.0
007 (DSB)	7.7	7.0	8.0	5.7	6.7	6.3	6.3	6.0	8.0	6.3	7.0	6.8
DECLARATION	7.3	6.7	8.0	5.3	6.7	6.0	6.3	6.0	8.0	6.7	7.0	6.7
SHARK (23R)	8.0	6.7	8.3	5.7	6.7	4.7	6.0	5.7	8.3	6.7	7.3	6.7
T-1	7.7	7.0	7.0	6.7	6.3	5.3	6.3	6.3	8.0	6.3	6.7	6.7
INDEPENDENCE	7.3	7.0	7.0	6.3	6.7	4.0	6.3	6.3	8.3	5.7	6.7	6.5
PENN A-1	7.0	6.3	8.0	5.7	7.0	5.3	6.0	5.7	8.0	6.0	6.7	6.5
13-M	6.3	7.0	8.0	6.3	6.3	3.3	7.0	6.7	8.0	6.3	6.3	6.5
BENGAL	7.0	6.7	7.3	6.3	6.7	4.3	6.0	6.0	8.0	6.3	6.7	6.5
IS-AP 9	7.0	6.7	7.3	6.7	6.3	4.3	6.0	6.0	8.3	6.3	6.0	6.5
LS-44	7.0	6.3	7.0	6.7	6.7	5.0	6.0	6.0	8.0	6.7	5.7	6.5
BENCHMARK DSR	6.7	6.7	6.7	6.3	6.0	3.3	6.0	6.0	8.0	8.0	6.7	6.4
CY-2	7.0	6.3	7.3	5.7	6.3	5.0	6.0	6.0	8.0	5.3	7.0	6.4
KINGPIN (9200)	6.3	6.3	6.7	6.7	6.3	4.0	6.0	6.0	8.0	6.7	6.3	6.3
ALPHA	7.3	6.3	7.3	6.0	6.0	2.3	6.0	6.0	8.0	5.7	6.3	6.1
MEMORIAL (A03-EDI)	6.3	5.7	7.7	5.7	6.3	3.7	6.0	5.3	8.0	5.7	6.7	6.1
PENNLINKS II	5.3	5.3	7.7	6.0	6.0	2.3	6.3	6.3	8.0	4.3	4.7	5.7
PENNCROSS	3.7	5.7	6.0	5.7	6.3	1.7	6.3	6.3	8.0	4.3	4.3	5.3
LSD VALUE	0.8	0.9	1.2	1.0	0.7	2.0	0.6	0.8	0.4	1.4	0.9	0.3
C.V. (%)	7.0	8.5	9.6	9.6	6.4	23.8	6.1	8.2	3.1	13.8	8.2	9.9

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

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

TABLE 10.

SEEDLING VIGOR RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004 DATA

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

NAME	AZ1	KY1	MA1	MI1	NY1	NY2	PA1	QE1	WA3	MEAN
LEGENDARY	7.7	5.0	5.7	7.3	6.3	6.3	7.0	5.7	7.0	6.4
T-1	9.0	5.0	3.3	6.7	6.3	6.0	8.0	6.3	7.0	6.4
PENNLINKS II	7.7	6.3	4.7	7.0	6.3	6.0	7.3	5.0	7.0	6.4
PENNCROSS	8.7	6.7	4.0	7.0	6.0	6.0	8.0	4.0	6.7	6.3
INDEPENDENCE	8.7	5.3	5.7	7.0	6.7	6.7	6.7	4.0	6.0	6.3
DECLARATION	8.3	5.7	5.7	7.0	6.3	6.0	7.0	3.3	7.0	6.3
MEMORIAL (A03-EDI)	8.7	5.7	4.3	7.0	6.0	5.7	7.0	6.0	5.3	6.2
007 (DSB)	8.0	5.7	4.3	7.0	6.0	5.7	6.7	5.0	6.7	6.1
13-M	8.3	6.3	3.7	7.0	6.3	6.0	7.0	3.7	6.7	6.1
VILLA (IS-AC 1)	6.7	5.3	5.0	6.0	6.0	6.0	8.0	4.7	7.0	6.1
PENN A-1	8.3	6.0	2.7	7.3	6.0	5.7	7.0	4.7	6.7	6.0
GREENWICH	7.0	4.3	5.7	6.7	6.0	6.0	7.0	3.3	7.7	6.0
CY-2	8.7	4.0	4.3	7.0	6.0	6.0	6.3	4.3	6.7	5.9
ALPHA	7.7	6.3	2.7	7.3	6.0	6.0	7.7	3.0	6.3	5.9
IS-AP 9	7.3	5.7	4.7	7.0	6.0	6.0	6.7	4.0	5.7	5.9
LS-44	7.7	5.3	4.0	7.0	6.0	5.7	7.0	3.3	7.0	5.9
235050	7.7	5.7	3.7	6.7	6.3	6.3	6.0	3.7	6.7	5.9
SHARK (23R)	7.0	5.0	3.0	7.0	6.0	5.7	7.0	4.7	6.3	5.7
SRX 1GD	8.3	5.0	2.7	6.7	6.3	6.0	6.0	3.3	5.3	5.5
BENGAL	7.3	5.0	2.3	7.0	6.0	6.0	7.0	2.3	6.3	5.5
BENCHMARK DSR	8.7	4.0	1.3	7.0	6.7	6.7	6.3	3.0	5.3	5.4
SRX 1GPD	8.0	4.7	2.3	6.7	6.0	5.7	6.0	3.0	6.0	5.4
VESPER	6.0	4.7	4.3	5.7	6.0	6.0	6.0	2.0	7.0	5.3
EFD	7.0	3.7	3.7	5.7	6.0	6.0	5.7	2.7	7.0	5.3
KINGPIN (9200)	7.7	3.3	2.0	6.3	6.0	5.3	5.7	4.0	5.3	5.1
SR 7200	5.0	3.0	2.7	7.0	6.0	6.0	3.7	4.3	4.7	4.7
LSD VALUE	1.8	1.7	2.7	1.1	0.5	0.8	0.7	3.6	1.4	0.6
C.V. (%)	14.1	20.6	43.7	9.8	5.5	8.5	6.8	55.6	13.5	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 11. SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004 DATA

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

NAME	AZ1	MI1	NE1	TX1	MEAN
DECLARATION	8.0	7.0	8.7	5.7	7.3
SRX 1GD	7.7	6.3	9.0	6.0	7.3
235050	7.3	6.7	9.0	5.7	7.2
T-1	8.0	6.7	8.7	5.3	7.2
BENGAL	6.3	7.0	9.0	6.0	7.1
MEMORIAL (A03-EDI)	7.0	7.0	8.7	5.3	7.0
BENCHMARK DSR	7.0	6.7	9.0	5.0	6.9
IS-AP 9	7.3	5.7	9.0	5.7	6.9
PENN A-1	7.3	7.0	7.3	6.0	6.9
CY-2	7.0	6.7	7.7	6.0	6.8
KINGPIN (9200)	6.7	6.0	9.0	5.7	6.8
ALPHA	6.7	6.7	8.7	5.3	6.8
INDEPENDENCE	7.3	7.0	7.0	6.0	6.8
SHARK (23R)	7.3	6.3	8.0	5.7	6.8
007 (DSB)	7.7	7.0	7.0	5.3	6.8
13-M	7.0	6.7	8.3	4.7	6.7
LS-44	7.0	6.7	8.0	5.0	6.7
PENNLINKS II	6.3	5.7	9.0	5.7	6.7
SRX 1GPD	7.0	5.7	8.0	5.7	6.6
PENNCROSS	6.0	7.0	9.0	4.3	6.6
GREENWICH	7.0	5.3	9.0	4.7	6.5
LEGENDARY	6.7	6.0	8.3	5.0	6.5
SR 7200	6.3	4.7	8.7	5.3	6.3
VILLA (IS-AC 1)	6.0	5.0	8.7	5.3	6.3
VESPER	6.0	5.0	8.7	4.7	6.1
EFD	6.0	4.3	8.7	4.7	5.9
LSD VALUE	1.2	0.9	0.7	1.0	0.5
C.V. (%)	10.7	9.5	5.2	12.1	9.1

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

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

TABLE 12.

SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004 DATA

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

NAME	AZ1	IL1	KY1	MA1	ME1	MN1	NC1	NE1	PA1	TX1	UT1	VA1	WA3	WI1	MEAN
EFD	6.3	8.7	5.7	8.0	8.0	9.0	7.7	8.7	9.0	4.7	7.0	6.0	9.0	8.7	7.6
235050	7.3	7.3	8.0	6.7	6.7	8.0	8.0	9.0	8.0	5.7	6.7	8.0	8.0	7.7	7.5
LEGENDARY	6.3	8.0	6.0	8.0	7.7	9.0	7.7	8.3	9.0	5.0	7.3	5.3	9.0	8.0	7.5
VILLA (IS-AC 1)	6.7	8.0	5.3	7.7	7.7	9.0	7.7	8.7	9.0	5.3	7.3	6.0	9.0	7.3	7.5
SHARK (23R)	7.3	7.7	7.0	7.0	6.0	8.0	8.7	8.0	7.7	5.7	7.0	8.3	7.3	8.3	7.4
GREENWICH	6.3	8.0	5.7	8.0	7.7	9.0	7.3	9.0	9.0	4.7	8.3	5.3	9.0	6.0	7.4
VESPER	6.3	8.0	6.0	7.7	8.0	9.0	8.0	8.7	9.0	4.7	7.3	5.7	9.0	5.0	7.3
007 (DSB)	7.0	7.3	8.0	7.3	6.3	8.0	7.0	7.3	8.0	5.3	7.0	8.0	8.0	7.3	7.3
DECLARATION	6.0	7.3	7.7	7.0	6.7	8.0	8.0	9.0	7.7	5.7	6.3	8.3	7.3	6.7	7.3
PENN A-1	7.0	7.0	7.7	6.3	6.3	8.0	8.3	8.3	7.7	6.0	6.3	8.3	7.0	7.3	7.3
SRX 1GD	7.0	7.3	6.3	7.0	5.0	8.0	8.0	9.0	8.0	6.0	7.3	7.7	8.0	7.0	7.3
SRX 1GPD	7.0	7.0	7.0	6.7	6.0	8.0	7.7	8.0	8.0	5.7	7.3	7.3	7.3	7.3	7.2
IS-AP 9	6.7	7.0	8.3	6.7	7.0	8.0	8.3	9.0	7.0	5.7	5.7	7.3	8.0	5.3	7.1
SR 7200	6.7	8.0	4.7	7.7	7.7	9.0	7.3	8.7	8.3	5.7	7.0	5.3	9.0	4.7	7.1
T-1	7.7	7.3	6.3	7.0	6.7	8.0	8.0	9.0	7.3	6.0	6.3	7.3	7.3	5.3	7.1
INDEPENDENCE	6.7	7.0	6.7	7.0	7.0	8.0	8.7	8.0	6.7	6.0	6.3	7.0	7.0	6.7	7.0
KINGPIN (9200)	6.5	7.0	8.3	6.0	6.7	8.0	7.7	9.0	6.3	5.7	5.7	8.0	6.7	5.7	6.9
CY-2	6.7	7.7	8.0	6.7	6.7	8.0	7.3	8.7	6.7	6.0	6.0	6.0	6.0	5.7	6.9
ALPHA	6.0	6.3	6.7	6.0	6.3	8.0	7.7	9.0	7.0	5.3	6.3	8.0	7.0	5.7	6.8
BENGAL	7.7	6.7	5.3	6.7	5.7	8.0	8.3	9.0	6.7	6.0	5.7	6.3	7.3	6.0	6.8
BENCHMARK DSR	6.3	7.0	6.3	6.0	5.0	8.0	7.7	9.0	6.7	5.7	6.3	8.3	7.3	5.3	6.8
LS-44	7.3	6.3	6.3	6.0	6.7	8.0	8.0	8.3	6.7	5.0	5.7	7.3	6.3	6.0	6.7
13-M	6.3	6.3	7.0	6.3	7.3	8.0	7.3	8.3	6.0	5.0	5.7	6.7	6.0	7.3	6.7
MEMORIAL (A03-EDI)	6.7	6.3	7.7	6.3	5.0	8.0	8.3	8.7	5.7	5.3	5.7	6.7	5.7	6.3	6.6
PENNLINKS II	6.7	5.3	7.0	6.0	6.7	7.3	6.7	9.0	5.3	6.0	4.0	6.7	6.0	5.7	6.3
PENNCROSS	6.3	4.7	3.7	5.7	4.3	7.3	7.0	9.0	4.0	5.0	4.0	5.0	4.3	4.7	5.4
LSD VALUE	1.2	1.0	1.4	0.8	1.6	0.3	1.8	0.6	0.7	1.0	1.1	1.7	0.7	2.2	0.3
C.V. (%)	11.1	8.7	13.1	7.2	15.1	2.0	14.5	4.3	6.2	11.3	10.4	15.4	5.5	21.3	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 13.

FALL DENSITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004 DATA

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

NAME	AR1	AZ1	IN1	MI1	NE1	NJ1	QE1	TX1	TX2	VA1	MEAN
SRX 1GD	7.7	8.0	8.3	6.7	8.3	8.0	9.0	6.3	8.0	8.0	7.8
SRX 1GPD	7.7	7.3	8.0	7.0	9.0	6.3	9.0	6.7	7.3	8.7	7.7
SHARK (23R)	7.0	7.7	7.7	7.0	9.0	6.0	9.0	7.0	7.7	7.7	7.6
VILLA (IS-AC 1)	9.0	7.0	9.0	7.0	5.7	6.7	9.0	5.7	.	8.7	7.5
PENN A-1	7.0	8.0	7.7	7.0	8.7	5.7	9.0	6.3	7.0	7.3	7.4
CY-2	6.3	7.7	7.0	6.7	8.3	6.7	9.0	6.3	7.7	7.3	7.3
T-1	7.0	8.0	8.0	6.7	9.0	4.7	9.0	6.0	7.7	7.0	7.3
LEGENDARY	8.0	7.3	9.0	7.0	7.3	4.3	9.0	5.7	.	8.0	7.3
007 (DSB)	6.7	7.7	7.7	7.0	9.0	5.0	9.0	5.3	7.3	7.7	7.2
235050	7.0	7.7	8.0	7.0	8.7	3.7	9.0	6.0	7.3	7.7	7.2
SR 7200	8.0	7.3	9.0	7.0	5.0	5.3	9.0	6.0	.	7.7	7.1
INDEPENDENCE	7.0	7.7	7.0	7.0	8.7	4.3	9.0	6.0	7.3	7.3	7.1
BENGAL	6.7	7.0	7.3	6.7	8.7	5.3	9.0	6.3	7.0	7.0	7.1
EFD	8.0	7.3	9.0	7.0	6.0	4.0	9.0	5.3	.	8.0	7.1
DECLARATION	6.7	7.0	7.3	6.7	8.3	6.0	9.0	5.7	7.0	7.0	7.1
MEMORIAL (A03-EDI)	6.0	7.3	7.0	6.7	9.0	4.3	9.0	6.0	7.0	7.7	7.0
VESPER	8.0	7.0	9.0	7.0	5.0	5.3	9.0	5.7	.	7.0	7.0
13-M	6.3	7.7	7.0	6.3	9.0	4.0	8.7	6.3	6.7	7.3	6.9
IS-AP 9	6.7	7.7	6.7	7.0	9.0	3.3	9.0	5.7	6.7	7.7	6.9
LS-44	6.3	7.3	7.3	6.7	8.7	4.7	9.0	6.0	6.0	6.7	6.9
GREENWICH	7.7	6.7	9.0	7.0	5.3	4.7	9.0	5.0	.	7.3	6.9
ALPHA	6.7	7.0	7.0	7.0	9.0	2.3	9.0	5.7	7.3	7.3	6.8
BENCHMARK DSR	7.0	7.3	7.7	7.0	9.0	1.7	9.0	5.7	6.7	6.7	6.8
KINGPIN (9200)	6.0	7.3	7.0	7.0	9.0	2.7	9.0	5.7	6.7	6.3	6.7
PENNLINKS II	5.3	7.3	6.0	6.0	8.3	2.0	9.0	6.7	5.7	5.7	6.2
PENNCROSS	3.7	7.7	4.7	6.3	8.0	1.0	8.3	6.3	5.3	5.7	5.7
LSD VALUE	1.0	1.0	1.1	0.5	0.8	2.4	0.3	0.8	0.9	1.6	0.4
C.V. (%)	9.1	8.8	9.0	5.0	6.0	33.2	1.8	8.7	8.3	14.0	10.6

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

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



TABLE 14. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	KY1	MI1	WI1	MEAN
DECLARATION	99.0	97.3	90.0	91.7	94.5
007 (DSB)	99.0	98.3	90.0	88.3	93.9
13-M	98.7	97.0	90.0	88.3	93.5
INDEPENDENCE	99.0	97.7	88.3	89.0	93.5
CY-2	98.0	97.7	90.0	87.3	93.3
ALPHA	98.7	99.0	83.3	91.7	93.2
PENN A-1	98.3	97.0	90.0	85.7	92.8
LS-44	97.3	96.3	90.0	84.0	91.9
T-1	99.0	99.0	80.0	88.3	91.6
SHARK (23R)	96.0	97.7	86.7	85.7	91.5
MEMORIAL (A03-EDI)	99.0	96.3	83.3	85.0	90.9
BENGAL	96.0	97.0	86.7	83.3	90.8
PENNCROSS	98.3	97.3	88.3	79.0	90.8
235050	97.7	94.3	83.3	85.7	90.3
BENCHMARK DSR	99.0	95.3	86.7	80.0	90.3
SRX 1GPD	98.0	97.3	80.0	83.3	89.7
LEGENDARY	99.0	98.7	81.7	76.7	89.0
PENNLINKS II	98.0	97.7	80.0	80.0	88.9
SRX 1GD	99.0	93.0	76.7	83.3	88.0
GREENWICH	94.3	99.0	78.3	77.3	87.3
KINGPIN (9200)	98.0	91.7	73.3	81.7	86.2
VESPER	96.3	99.0	70.0	75.0	85.1
VILLA (IS-AC 1)	96.0	97.7	66.7	75.0	83.8
SR 7200	93.7	95.3	70.0	73.3	83.1
IS-AP 9	97.3	67.0	80.0	81.7	81.5
EFD	94.7	98.7	56.7	75.0	81.3
LSD VALUE	4.2	16.3	16.6	10.9	6.5
C.V. (%)	2.7	10.5	12.7	8.2	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 15. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	ME1	OK1	UT1	MEAN
PENN A-1	97.7	78.3	97.7	99.0	93.2
SHARK (23R)	91.3	76.7	96.3	99.0	90.8
INDEPENDENCE	93.0	76.7	96.7	96.0	90.6
BENGAL	96.7	75.0	96.3	90.0	89.5
ALPHA	97.0	66.7	96.3	96.0	89.0
PENNCROSS	96.7	76.7	94.7	86.7	88.7
007 (DSB)	96.0	66.7	95.3	96.0	88.5
LS-44	97.7	65.0	96.7	93.0	88.1
DECLARATION	94.7	75.0	95.7	86.7	88.0
MEMORIAL (A03-EDI)	96.0	65.0	95.0	96.0	88.0
T-1	97.3	61.7	95.3	96.0	87.6
235050	94.3	60.0	96.3	96.0	86.7
IS-AP 9	95.7	55.0	95.7	99.0	86.3
EFD	82.3	80.0	97.0	83.3	85.7
13-M	90.3	60.0	95.7	96.0	85.5
PENNLINKS II	99.0	50.0	95.7	96.0	85.2
CY-2	78.0	63.3	97.7	99.0	84.5
SRX 1GD	80.0	66.7	97.0	93.0	84.2
KINGPIN (9200)	79.7	60.0	96.0	96.0	82.9
VILLA (IS-AC 1)	80.7	71.7	95.7	83.3	82.8
SRX 1GPD	67.7	70.0	96.7	96.0	82.6
BENCHMARK DSR	84.0	43.3	95.3	99.0	80.4
LEGENDARY	68.3	73.3	96.3	83.3	80.3
VESPER	63.3	76.7	96.3	83.3	79.9
SR 7200	85.0	58.3	95.3	76.7	78.8
GREENWICH	64.0	65.0	97.3	86.7	78.3
LSD VALUE	21.5	24.3	1.9	8.3	8.4
C.V. (%)	15.3	22.6	1.2	5.6	12.2

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

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

TABLE 16. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AZ1	MI1	OK1	MEAN
LS-44	97.3	97.7	97.7	97.6
ALPHA	97.3	96.3	97.3	97.0
PENNLINKS II	96.0	97.7	97.0	96.9
PENNCROSS	98.7	97.7	93.7	96.7
MEMORIAL (A03-EDI)	94.7	98.0	97.0	96.6
VILLA (IS-AC 1)	94.7	96.3	97.7	96.2
PENN A-1	91.3	98.3	98.7	96.1
CY-2	91.7	98.0	98.3	96.0
BENCHMARK DSR	93.3	97.3	96.0	95.6
EFD	91.7	96.7	97.7	95.3
BENGAL	90.0	98.0	97.0	95.0
SR 7200	91.0	97.7	94.7	94.4
VESPER	87.7	97.3	97.3	94.1
IS-AP 9	86.7	97.7	95.3	93.2
SHARK (23R)	83.3	97.7	98.3	93.1
T-1	82.3	98.0	96.0	92.1
13-M	80.0	98.7	96.3	91.7
GREENWICH	79.7	97.0	98.0	91.6
LEGENDARY	78.3	97.7	96.7	90.9
235050	75.0	98.3	98.3	90.6
INDEPENDENCE	75.0	98.0	97.7	90.2
KINGPIN (9200)	75.3	97.3	97.0	89.9
007 (DSB)	68.3	97.3	96.3	87.3
DECLARATION	56.7	98.3	97.7	84.2
SRX 1GPD	46.7	97.7	98.0	80.8
SRX 1GD	46.7	97.0	98.0	80.6
LSD VALUE	28.8	1.2	2.2	9.6
C.V. (%)	21.7	0.7	1.4	11.2

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

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

TABLE 17. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004 DATA

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

NAME	AR1	AZ1	KY1	TX2	VA1	MEAN
VESPER	6.7	6.7	9.0	.	8.3	7.7
GREENWICH	7.0	7.0	9.0	.	7.7	7.7
LEGENDARY	6.7	7.0	9.0	.	8.0	7.7
VILLA (IS-AC 1)	7.3	7.0	9.0	.	7.3	7.7
SR 7200	6.3	7.0	9.0	.	7.7	7.5
EFD	6.3	6.3	9.0	.	8.0	7.4
CY-2	5.0	7.0	8.0	6.7	7.0	6.7
SRX 1GD	4.3	8.0	7.0	7.0	5.0	6.3
007 (DSB)	4.7	7.3	7.7	6.0	5.0	6.1
IS-AP 9	3.3	7.3	8.0	5.0	6.3	6.0
DECLARATION	4.0	8.0	7.7	5.7	4.3	5.9
KINGPIN (9200)	3.7	7.0	8.0	5.7	5.0	5.9
PENN A-1	3.7	7.3	7.0	6.0	5.0	5.8
BENGAL	3.3	7.0	7.3	6.0	5.0	5.7
SRX 1GPD	3.3	6.7	7.3	6.3	5.0	5.7
13-M	3.3	6.7	7.0	6.0	5.0	5.6
235050	4.0	7.0	7.0	6.0	4.0	5.6
BENCHMARK DSR	3.3	7.0	7.7	5.3	4.7	5.6
LS-44	3.0	7.0	7.0	5.7	5.3	5.6
INDEPENDENCE	3.3	7.0	7.0	5.7	4.7	5.5
MEMORIAL (A03-EDI)	3.0	7.0	7.0	6.0	4.7	5.5
SHARK (23R)	4.0	7.0	6.7	5.7	4.3	5.5
T-1	2.7	8.0	7.0	5.3	4.7	5.5
PENNLINKS II	3.0	7.0	7.3	5.0	5.0	5.5
ALPHA	2.3	7.3	6.7	5.7	4.3	5.3
PENNCROSS	2.0	7.0	7.0	4.7	5.0	5.1
LSD VALUE	1.0	0.9	0.9	1.0	1.2	0.5
C.V. (%)	15.2	8.1	7.1	10.7	12.7	10.2

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

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

TABLE 18. LEAF SPOT RATINGS OF BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004 DATA

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

NAME	ME1
VESPER	8.3
VILLA (IS-AC 1)	8.3
007 (DSB)	7.7
BENCHMARK DSR	7.7
EFD	7.7
LEGENDARY	7.7
CY-2	7.3
GREENWICH	7.3
SR 7200	7.3
ALPHA	7.0
PENNLINKS II	6.7
KINGPIN (9200)	6.3
LS-44	6.3
235050	6.0
DECLARATION	6.0
SRX 1GD	6.0
13-M	5.7
BENGAL	5.7
PENNCROSS	5.7
SRX 1GPD	5.7
INDEPENDENCE	5.3
MEMORIAL (A03-EDI)	5.3
PENN A-1	5.3
SHARK (23R)	5.3
T-1	5.3
IS-AP 9	4.7
LSD VALUE	2.0
C.V. (%)	18.8

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

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

TABLE 19. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004 DATA

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

NAME	NJ1	PA1	TX1	WI1	MEAN
VILLA (IS-AC 1)	9.0	9.0	8.0	8.3	8.6
EFD	9.0	9.0	8.0	8.0	8.5
SR 7200	9.0	9.0	8.0	7.7	8.4
LEGENDARY	8.3	9.0	7.7	8.3	8.3
DECLARATION	7.3	9.0	8.0	8.3	8.2
GREENWICH	8.3	8.3	8.0	7.7	8.1
MEMORIAL (A03-EDI)	8.3	8.7	7.7	7.7	8.1
PENNLINKS II	8.3	8.0	7.3	8.7	8.1
13-M	7.7	8.0	8.0	8.0	7.9
VESPER	7.3	7.7	7.7	8.3	7.8
BENCHMARK DSR	7.0	8.0	8.0	7.7	7.7
KINGPIN (9200)	8.0	8.0	7.3	7.3	7.7
PENNCROSS	7.3	7.7	7.0	6.7	7.2
IS-AP 9	8.0	7.3	7.3	6.0	7.2
CY-2	5.3	8.0	7.3	7.3	7.0
007 (DSB)	5.7	7.7	8.0	5.7	6.8
PENN A-1	5.7	7.3	7.0	5.7	6.4
235050	6.0	7.3	7.0	5.3	6.4
LS-44	5.3	6.7	6.3	5.7	6.0
SRX 1GPD	6.0	6.3	5.7	6.0	6.0
ALPHA	6.0	6.3	7.0	4.3	5.9
T-1	5.0	5.7	7.3	4.0	5.5
SRX 1GD	5.0	6.0	6.0	4.7	5.4
INDEPENDENCE	4.7	6.0	5.7	3.7	5.0
SHARK (23R)	4.0	6.0	5.3	4.7	5.0
BENGAL	5.3	4.3	6.0	3.3	4.8
LSD VALUE	1.5	1.0	1.1	1.4	0.6
C.V. (%)	13.7	8.4	9.8	13.8	11.5

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

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

TABLE 20. RED THREAD RATINGS OF BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/

NAME	ME1
SR 7200	9.0
13-M	8.7
ALPHA	8.7
BENCHMARK DSR	8.7
SHARK (23R)	8.7
DECLARATION	8.3
EFD	8.3
GREENWICH	8.3
IS-AP 9	8.3
KINGPIN (9200)	8.3
PENN A-1	8.3
PENNLINKS II	8.3
VILLA (IS-AC 1)	8.3
007 (DSB)	8.0
BENGAL	8.0
CY-2	8.0
INDEPENDENCE	8.0
LEGENDARY	8.0
LS-44	8.0
MEMORIAL (A03-EDI)	8.0
235050	7.7
SRX 1GD	7.7
SRX 1GPD	7.7
T-1	7.7
VESPER	7.7
PENNCROSS	7.0
LSD VALUE	1.1
C.V. (%)	8.6

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

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

TABLE 21. BROWN PATCH (WARM TEMPERATURE) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004 DATA

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

NAME	ME1	NJ1	WA3	MEAN
EFD	8.0	7.7	9.0	8.2
LEGENDARY	8.0	7.7	9.0	8.2
VILLA (IS-AC 1)	8.0	7.3	8.7	8.0
235050	8.0	6.3	9.0	7.8
SRX 1GD	7.0	8.7	7.7	7.8
GREENWICH	8.0	6.0	9.0	7.7
IS-AP 9	8.3	6.0	8.7	7.7
SR 7200	8.3	6.0	8.7	7.7
SHARK (23R)	7.7	6.7	8.3	7.6
VESPER	8.3	5.3	9.0	7.6
007 (DSB)	7.5	6.3	8.7	7.5
13-M	8.3	5.3	8.3	7.3
DECLARATION	7.0	6.3	8.7	7.3
INDEPENDENCE	8.0	6.3	7.7	7.3
CY-2	7.0	7.0	7.7	7.2
PENN A-1	7.0	5.7	8.7	7.1
KINGPIN (9200)	7.7	6.0	7.3	7.0
SRX 1GPD	7.0	6.7	7.3	7.0
T-1	6.0	6.0	8.7	6.9
ALPHA	7.7	3.7	9.0	6.8
LS-44	7.0	5.7	7.7	6.8
BENCHMARK DSR	7.3	4.0	9.0	6.8
PENNLINKS II	7.0	5.3	8.0	6.8
MEMORIAL (A03-EDI)	6.3	4.7	8.7	6.6
BENGAL	6.0	3.7	8.7	6.1
PENNCROSS	5.0	3.0	8.3	5.4
LSD VALUE	1.8	1.7	1.4	0.9
C.V. (%)	15.0	17.9	10.4	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 22. PINK SNOW MOLD RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004 DATA

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

NAME	VA1
PENNCROSS	9.0
235050	8.7
ALPHA	8.7
CY-2	8.7
DECLARATION	8.7
IS-AP 9	8.7
LS-44	8.7
PENNLINKS II	8.7
SRX 1GPD	8.7
T-1	8.7
BENGAL	8.3
INDEPENDENCE	8.3
LEGENDARY	8.3
MEMORIAL (A03-EDI)	8.3
SRX 1GD	8.3
VESPER	8.3
007 (DSB)	8.0
13-M	8.0
BENCHMARK DSR	8.0
KINGPIN (9200)	8.0
SR 7200	8.0
VILLA (IS-AC 1)	8.0
SHARK (23R)	7.7
efd	7.3
GREENWICH	7.3
PENN A-1	7.0
LSD VALUE	1.1
C.V. (%)	8.6

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

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

TABLE 23. FALL COLOR (SEPTEMBER) RATINGS OF BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004 DATA

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

NAME	AZ1
DECLARATION	7.5
CY-2	7.3
T-1	7.3
ALPHA	6.7
BENGAL	6.7
EFD	6.7
IS-AP 9	6.7
PENN A-1	6.7
SRX 1GD	6.5
GREENWICH	6.3
INDEPENDENCE	6.3
LEGENDARY	6.3
LS-44	6.3
MEMORIAL (A03-EDI)	6.3
SHARK (23R)	6.3
VILLA (IS-AC 1)	6.3
007 (DSB)	6.0
13-M	6.0
235050	6.0
BENCHMARK DSR	6.0
PENNCROSS	6.0
PENNLINKS II	6.0
SR 7200	6.0
SRX 1GPD	6.0
VESPER	6.0
KINGPIN (9200)	5.7
LSD VALUE	1.4
C.V. (%)	13.6

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

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

TABLE 24. FALL COLOR (OCTOBER) RATINGS OF BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004 DATA

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

NAME	AZ1	VA1	MEAN
T-1	8.3	8.3	8.3
ALPHA	7.7	8.0	7.8
BENCHMARK DSR	7.3	7.7	7.5
BENGAL	7.7	7.3	7.5
DECLARATION	8.7	6.3	7.5
INDEPENDENCE	7.3	7.3	7.3
KINGPIN (9200)	7.3	7.3	7.3
LS-44	7.3	7.3	7.3
CY-2	8.0	6.3	7.2
PENNLINKS II	7.0	7.3	7.2
007 (DSB)	7.7	6.3	7.0
SRX 1GD	7.7	6.3	7.0
IS-AP 9	7.7	6.0	6.8
PENN A-1	7.7	5.7	6.7
235050	7.0	6.3	6.7
MEMORIAL (A03-EDI)	7.3	6.0	6.7
PENNCROSS	7.0	6.3	6.7
13-M	7.0	6.0	6.5
SHARK (23R)	7.3	5.7	6.5
SRX 1GPD	7.0	5.7	6.3
SR 7200	7.3	4.3	5.8
EFD	7.3	4.0	5.7
GREENWICH	7.3	4.0	5.7
LEGENDARY	7.3	4.0	5.7
VILLA (IS-AC 1)	7.3	4.0	5.7
VESPER	7.0	4.0	5.5
LSD VALUE	1.3	1.1	0.8
C.V. (%)	11.0	11.0	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.

TABLE 25. FALL COLOR (NOVEMBER) RATINGS OF BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004 DATA

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

NAME	AZ1
DECLARATION	8.0
SRX 1GD	8.0
T-1	8.0
007 (DSB)	7.3
ALPHA	7.3
IS-AP 9	7.3
PENN A-1	7.3
235050	7.0
BENCHMARK DSR	7.0
BENGAL	7.0
CY-2	7.0
GREENWICH	7.0
INDEPENDENCE	7.0
KINGPIN (9200)	7.0
LEGENDARY	7.0
LS-44	7.0
MEMORIAL (A03-EDI)	7.0
PENNCROSS	7.0
PENNLINKS II	7.0
SHARK (23R)	7.0
SR 7200	7.0
VILLA (IS-AC 1)	7.0
13-M	6.7
SRX 1GPD	6.7
VESPER	6.7
EFD	6.3
LSD VALUE	0.9
C.V. (%)	8.1

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 26. FALL COLOR (DECEMBER) RATINGS OF BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004 DATA

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

NAME	MA1
GREENWICH	7.3
VESPER	7.3
EFD	7.0
LEGENDARY	7.0
SR 7200	7.0
VILLA (IS-AC 1)	7.0
IS-AP 9	6.7
LS-44	6.7
PENN A-1	6.7
KINGPIN (9200)	6.3
PENNLINKS II	6.3
SRX 1GPD	6.3
T-1	6.3
BENGAL	6.0
INDEPENDENCE	6.0
SHARK (23R)	6.0
SRX 1GD	6.0
007 (DSB)	5.7
13-M	5.7
235050	5.7
ALPHA	5.7
BENCHMARK DSR	5.7
DECLARATION	5.7
MEMORIAL (A03-EDI)	5.7
PENNCROSS	5.7
CY-2	5.3
LSD VALUE	0.9
C.V. (%)	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 27. PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004 DATA

NAME	IA1	IL1	ME1	NJ1	OK1	SD1	VA1	MEAN
SHARK (23R)	76.7	78.3	53.3	63.3	95.7	80.0	93.3	77.2
PENNCROSS	75.0	78.3	45.0	66.7	92.3	86.7	94.7	77.0
T-1	73.3	85.0	40.0	63.3	94.7	90.0	91.7	76.9
BENGAL	70.0	85.0	43.3	65.0	93.3	81.7	91.7	75.7
MEMORIAL (A03-EDI)	73.3	81.7	55.0	61.7	94.3	68.3	95.0	75.6
PENN A-1	76.7	76.7	40.0	66.7	97.0	83.3	88.3	75.5
235050	70.0	75.0	73.3	60.0	95.7	63.3	90.0	75.3
INDEPENDENCE	70.0	76.7	35.0	63.3	94.7	86.7	95.0	74.5
PENNLINKS II	73.3	80.0	35.0	63.3	93.7	88.3	83.3	73.9
CY-2	60.0	86.7	33.3	63.3	96.0	85.0	90.0	73.5
LS-44	71.7	85.0	33.3	60.0	94.3	73.3	93.3	73.0
007 (DSB)	61.7	85.0	48.3	60.0	95.0	71.7	88.3	72.9
SRX 1GPD	61.7	75.0	50.0	55.0	96.0	76.7	95.0	72.8
LEGENDARY	61.7	70.0	45.0	71.7	95.7	75.0	88.3	72.5
VILLA (IS-AC 1)	65.0	78.3	36.7	70.0	95.0	68.3	93.3	72.4
GREENWICH	56.7	70.0	41.7	68.3	96.3	78.3	95.0	72.3
IS-AP 9	63.3	85.0	43.3	56.7	94.7	70.0	91.7	72.1
13-M	73.3	88.3	18.3	61.7	94.7	71.7	93.3	71.6
ALPHA	65.0	80.0	20.0	63.3	95.0	83.3	93.3	71.4
DECLARATION	70.0	83.3	18.3	66.7	94.3	73.3	91.7	71.1
KINGPIN (9200)	66.7	83.3	31.7	48.3	95.3	76.7	88.3	70.0
SRX 1GD	65.0	73.3	31.7	55.0	96.0	75.0	88.3	69.2
efd	63.3	78.3	33.3	58.3	96.7	51.7	90.0	67.4
VESPER	46.7	78.3	21.7	61.7	97.0	61.7	95.0	66.0
BENCHMARK DSR	68.3	71.7	20.0	48.3	89.3	76.7	81.7	65.1
SR 7200	48.3	63.3	25.0	38.3	94.7	51.7	81.7	57.6
LSD VALUE	13.6	15.0	35.0	10.0	3.3	12.2	8.7	6.3
C.V. (%)	12.8	11.9	58.3	10.2	2.2	10.1	6.0	14.5

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 28. SCALPING RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004 DATA

SCALPING RATINGS 1-9; 9=NONE 2/

NAME	MA1
SR 7200	8.7
VILLA (IS-AC 1)	8.7
EFD	8.3
VESPER	8.3
LEGENDARY	8.0
LS-44	8.0
PENNLINKS II	7.7
GREENWICH	7.3
IS-AP 9	7.3
MEMORIAL (A03-EDI)	7.3
PENNCROSS	7.0
13-M	6.3
KINGPIN (9200)	6.3
BENCHMARK DSR	6.0
BENGAL	6.0
235050	5.7
T-1	5.3
ALPHA	5.0
PENN A-1	4.7
INDEPENDENCE	4.0
CY-2	3.7
SHARK (23R)	3.7
DECLARATION	3.3
SRX 1GPD	3.3
007 (DSB)	3.0
SRX 1GD	2.7
LSD VALUE	1.7
C.V. (%)	17.3

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

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

TABLE 29. DRY SPOT (AUGUST) RATINGS OF BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004 DATA

DRY SPOT RATINGS 1-9; 9=NONE 2/

NAME	WA3
EFD	9.0
SR 7200	9.0
VESPER	9.0
ALPHA	8.7
LEGENDARY	8.7
T-1	8.7
VILLA (IS-AC 1)	8.7
GREENWICH	8.3
SHARK (23R)	8.3
235050	8.0
BENGAL	8.0
CY-2	8.0
DECLARATION	8.0
INDEPENDENCE	8.0
IS-AP 9	8.0
SRX 1GPD	8.0
007 (DSB)	7.3
BENCHMARK DSR	7.3
KINGPIN (9200)	7.3
PENNLINKS II	7.3
LS-44	7.0
PENN A-1	7.0
MEMORIAL (A03-EDI)	6.7
PENNCROSS	6.7
SRX 1GD	6.7
13-M	6.3
LSD VALUE	1.4
C.V. (%)	10.8

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

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



TABLE 30. PERCENT DAMAGED RATINGS BY SOD WEB WORMS OF BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004 DATA

NAME	VA1
VILLA (IS-AC 1)	86.3
EFD	83.3
GREENWICH	83.3
LEGENDARY	83.3
VESPER	83.3
SR 7200	70.0
SRX 1GD	50.0
SRX 1GPD	46.7
235050	35.0
BENGAL	33.3
007 (DSB)	31.7
SHARK (23R)	25.0
T-1	23.3
INDEPENDENCE	21.7
IS-AP 9	21.7
MEMORIAL (A03-EDI)	20.0
KINGPIN (9200)	13.3
LS-44	13.3
ALPHA	11.7
CY-2	11.7
PENN A-1	11.7
DECLARATION	10.0
PENNLINKS II	10.0
13-M	8.3
BENCHMARK DSR	5.0
PENNCROSS	1.7
LSD VALUE	31.0
C.V. (%)	56.1

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 31. COPPER SPOT RATINGS OF BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004 DATA

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

NAME	NJ1
SRX 1GD	7.3
235050	6.7
INDEPENDENCE	6.7
PENN A-1	6.3
007 (DSB)	6.0
IS-AP 9	6.0
LS-44	6.0
DECLARATION	5.7
PENNLINKS II	5.7
SRX 1GPD	5.7
KINGPIN (9200)	5.3
LEGENDARY	5.3
VILLA (IS-AC 1)	5.3
CY-2	5.0
MEMORIAL (A03-EDI)	5.0
13-M	4.7
SHARK (23R)	4.7
T-1	4.7
EFD	4.3
BENGAL	4.0
ALPHA	3.7
BENCHMARK DSR	3.7
GREENWICH	3.7
PENNCROSS	3.7
VESPER	3.3
SR 7200	3.0
LSD VALUE	1.6
C.V. (%)	19.9

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 32.

DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT WEST LAFAYETTE, IN 1/  
2004 DATA

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

NAME	MAY 21	MAY 28	JUNE	JULY 19	JULY 23	AUGUST	MEAN
EFD	9.0	9.0	9.0	9.0	9.0	9.0	9.0
GREENWICH	9.0	9.0	9.0	9.0	9.0	9.0	9.0
LEGENDARY	9.0	9.0	9.0	9.0	9.0	9.0	9.0
SR 7200	9.0	9.0	9.0	9.0	9.0	9.0	9.0
VILLA (IS-AC 1)	9.0	9.0	9.0	9.0	9.0	9.0	9.0
DECLARATION	9.0	9.0	9.0	9.0	8.7	8.7	8.9
007 (DSB)	9.0	8.7	9.0	9.0	8.7	8.3	8.8
MEMORIAL (A03-EDI)	9.0	9.0	9.0	9.0	8.7	8.0	8.8
13-M	9.0	8.3	9.0	9.0	9.0	7.3	8.6
KINGPIN (9200)	9.0	8.7	9.0	9.0	8.0	7.7	8.6
VESPER	9.0	9.0	9.0	9.0	8.7	7.0	8.6
BENCHMARK DSR	9.0	8.3	9.0	9.0	7.7	7.7	8.4
PENN A-1	9.0	8.7	9.0	9.0	8.0	6.3	8.3
CY-2	9.0	9.0	9.0	9.0	7.0	6.0	8.2
SHARK (23R)	9.0	8.7	9.0	9.0	7.3	6.3	8.2
235050	8.7	8.3	9.0	9.0	7.0	6.7	8.1
IS-AP 9	9.0	8.7	9.0	9.0	6.3	6.3	8.1
PENNLINKS II	8.3	8.0	8.7	9.0	7.0	6.0	7.8
SRX 1GPD	8.3	8.3	8.3	9.0	6.7	6.3	7.8
ALPHA	9.0	8.0	9.0	9.0	6.3	4.0	7.6
LS-44	8.3	8.3	9.0	8.3	6.3	3.7	7.3
PENNCROSS	8.0	7.3	9.0	8.3	5.3	5.0	7.2
SRX 1GD	8.3	7.7	8.7	9.0	5.3	4.0	7.2
BENGAL	8.0	8.0	8.0	8.0	4.7	3.3	6.7
T-1	8.0	7.7	8.0	8.3	5.0	2.7	6.6
INDEPENDENCE	7.3	7.3	6.7	7.3	3.7	3.0	5.9
LSD VALUE	1.4	2.5	1.0	1.3	1.8	1.7	1.0
C.V. (%)	6.9	10.2	6.3	6.3	15.1	17.1	7.6

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

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

TABLE 33. PERCENT DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN AT LEXINGTON, KY 2/  
 2004 DATA

NAME	MAY	JUN 10	JUNE 29	JULY	AUGUST	MEAN
INDEPENDENCE	12.7	24.0	30.7	13.7	28.3	21.9
ALPHA	11.7	25.0	31.7	8.0	31.7	21.6
BENGAL	11.7	20.7	30.0	19.0	17.0	19.7
SHARK (23R)	8.7	15.7	21.7	14.7	31.7	18.5
PENNCROSS	6.3	13.0	15.0	16.7	33.3	16.9
T-1	10.0	14.0	20.7	12.3	23.0	16.0
LS-44	8.0	14.0	18.0	17.3	22.3	15.9
SRX 1GPD	6.7	13.0	18.3	15.0	21.7	14.9
235050	6.0	15.7	21.7	12.3	16.7	14.5
VESPER	3.3	12.0	16.7	0.0	40.0	14.4
IS-AP 9	7.7	20.0	21.7	6.3	12.3	13.6
PENN A-1	8.0	12.3	17.3	12.0	17.7	13.5
13-M	6.3	17.3	16.0	7.3	20.0	13.4
SRX 1GD	5.7	11.3	16.0	15.7	12.7	12.3
LEGENDARY	3.0	12.3	10.7	0.0	34.0	12.0
BENCHMARK DSR	5.3	10.3	14.7	12.3	16.7	11.9
PENNLINKS II	7.3	14.7	18.0	7.7	10.0	11.5
KINGPIN (9200)	4.7	8.0	13.0	7.7	14.0	9.5
CY-2	3.3	9.0	12.0	7.3	13.0	8.9
007 (DSB)	5.0	8.7	11.7	7.0	11.0	8.7
GREENWICH	1.7	7.7	9.3	0.0	21.7	8.1
DECLARATION	3.3	8.7	9.3	6.7	8.3	7.3
MEMORIAL (A03-EDI)	2.0	6.3	10.7	6.3	10.7	7.2
SR 7200	0.0	6.7	8.0	1.7	19.0	7.1
VILLA (IS-AC 1)	1.0	7.7	7.0	0.0	9.0	4.9
EFD	0.0	6.0	7.3	0.0	8.0	4.3
LSD VALUE	5.5	12.1	9.5	8.0	18.2	6.5
C.V. (%)	55.4	46.8	34.5	55.3	49.4	30.9

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 34. BROWN PATCH RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT BLACKSBURG, VA 1/  
2004 DATA

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

NAME	JUNE	JULY	MEAN
GREENWICH	9.0	9.0	9.0
VILLA (IS-AC 1)	9.0	9.0	9.0
VESPER	8.3	9.0	8.7
EFD	8.0	9.0	8.5
KINGPIN (9200)	8.0	9.0	8.5
LEGENDARY	8.0	9.0	8.5
SRX 1GPD	8.0	9.0	8.5
ALPHA	7.7	9.0	8.3
CY-2	7.7	9.0	8.3
13-M	7.7	8.7	8.2
INDEPENDENCE	7.3	9.0	8.2
SR 7200	8.7	7.7	8.2
SRX 1GD	7.3	9.0	8.2
235050	7.0	9.0	8.0
BENGAL	7.7	8.3	8.0
IS-AP 9	7.7	8.3	8.0
LS-44	7.0	9.0	8.0
MEMORIAL (A03-EDI)	7.7	8.3	8.0
PENNCROSS	7.3	8.7	8.0
SHARK (23R)	7.0	9.0	8.0
007 (DSB)	7.0	8.0	7.5
PENNLINKS II	7.3	7.7	7.5
T-1	6.3	8.7	7.5
DECLARATION	7.0	7.7	7.3
BENCHMARK DSR	6.3	8.0	7.2
PENN A-1	6.7	7.7	7.2
LSD VALUE	2.2	3.0	1.7
C.V. (%)	12.5	10.7	8.5

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

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

TABLE 35. BROWN PATCH RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREENS AT RALEIGH, NC 1/  
2004 DATA

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

NAME	JULY	AUGUST	MEAN
MEMORIAL (A03-EDI)	9.0	9.0	9.0
PENN A-1	9.0	9.0	9.0
235050	8.7	9.0	8.8
BENGAL	9.0	8.7	8.8
EFD	9.0	8.7	8.8
INDEPENDENCE	9.0	8.7	8.8
KINGPIN (9200)	9.0	8.7	8.8
VESPER	9.0	8.7	8.8
13-M	8.7	8.7	8.7
ALPHA	8.3	9.0	8.7
BENCHMARK DSR	8.7	8.7	8.7
GREENWICH	9.0	8.3	8.7
IS-AP 9	8.7	8.7	8.7
SR 7200	8.7	8.7	8.7
T-1	8.7	8.7	8.7
007 (DSB)	8.0	9.0	8.5
CY-2	8.3	8.7	8.5
DECLARATION	8.7	8.3	8.5
LS-44	8.7	8.3	8.5
PENNCROSS	8.7	8.3	8.5
SHARK (23R)	8.7	8.3	8.5
LEGENDARY	8.7	8.0	8.3
VILLA (IS-AC 1)	8.7	8.0	8.3
SRX 1GD	8.3	8.0	8.2
SRX 1GPD	8.3	7.7	8.0
PENNLINKS II	7.3	7.3	7.3
LSD VALUE	1.5	2.2	1.3
C.V. (%)	6.5	8.5	6.0

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 36. PYTHIUM ROOT ROT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREENS AT RALEIGH, NC 1/  
2004 DATA

PYTHIUM ROOT ROT RATINGS 1-9; 9=NO DISEASE 2/

NAME	NOV 03	DEC 03	MEAN
MEMORIAL (A03-EDI)	8.0	9.0	8.5
007 (DSB)	7.7	9.0	8.3
EFD	7.7	9.0	8.3
INDEPENDENCE	7.7	9.0	8.3
KINGPIN (9200)	7.7	9.0	8.3
PENNLINKS II	7.7	9.0	8.3
13-M	7.3	9.0	8.2
BENGAL	7.3	9.0	8.2
IS-AP 9	7.3	9.0	8.2
SHARK (23R)	7.3	9.0	8.2
SRX 1GD	7.3	9.0	8.2
SRX 1GPD	7.3	9.0	8.2
VESPER	7.3	9.0	8.2
VILLA (IS-AC 1)	7.3	9.0	8.2
235050	7.0	9.0	8.0
DECLARATION	7.0	9.0	8.0
LS-44	7.0	9.0	8.0
PENN A-1	7.0	9.0	8.0
PENNCROSS	7.0	9.0	8.0
SR 7200	7.0	9.0	8.0
ALPHA	6.7	9.0	7.8
GREENWICH	6.7	9.0	7.8
BENCHMARK DSR	6.3	9.0	7.7
CY-2	6.3	9.0	7.7
T-1	6.3	9.0	7.7
LEGENDARY	6.7	7.7	7.2
LSD VALUE	2.2	0.2	0.9
C.V. (%)	10.4	1.3	4.7

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 37. PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS  
 GROWN ON A GREENS AT RALEIGH, NC 1/  
 2004 DATA

NAME	NOV 03	DEC 03	JAN 04	MEAN
007 (DSB)	91.7	97.3	99.0	96.0
ALPHA	88.3	96.3	98.0	94.2
MEMORIAL (A03-EDI)	88.3	96.0	98.3	94.2
CY-2	88.3	95.7	97.7	93.9
GREENWICH	88.3	93.7	98.0	93.3
SRX 1GPD	85.0	96.3	98.3	93.2
VILLA (IS-AC 1)	85.0	92.3	96.3	91.2
BENGAL	83.3	92.7	97.3	91.1
PENNLINKS II	81.7	94.0	97.0	90.9
SHARK (23R)	80.0	93.0	98.0	90.3
T-1	83.3	92.3	95.3	90.3
IS-AP 9	80.0	90.0	96.7	88.9
SRX 1GD	80.0	89.7	94.7	88.1
LS-44	80.0	86.7	96.0	87.6
BENCHMARK DSR	78.3	90.0	93.3	87.2
PENNCROSS	75.0	88.0	94.7	85.9
235050	75.0	86.7	95.0	85.6
KINGPIN (9200)	78.3	86.7	91.7	85.6
LEGENDARY	76.7	83.3	91.7	83.9
INDEPENDENCE	70.0	86.7	94.0	83.6
EFD	71.7	85.0	93.3	83.3
VESPER	71.7	85.0	92.3	83.0
PENN A-1	71.7	84.0	92.0	82.6
DECLARATION	68.3	81.7	91.7	80.6
13-M	65.0	78.3	85.0	76.1
SR 7200	58.3	80.0	87.3	75.2
LSD VALUE	22.7	16.2	9.1	14.7
C.V. (%)	13.0	7.9	4.5	7.7

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 38. WEED RATINGS OF BENTGRASS CULTIVARS  
 GROWN ON A GREEN AT ORONO, ME 1/  
 2004 DATA

WEED RATINGS 1-9; 9=NONE 2/

NAME	JUNE	SEPTEMBER	MEAN
KINGPIN (9200)	4.7	4.7	4.7
SRX 1GD	5.0	4.3	4.7
007 (DSB)	5.3	3.7	4.5
SRX 1GPD	4.3	4.3	4.3
CY-2	5.0	3.3	4.2
13-M	4.7	3.3	4.0
BENCHMARK DSR	5.0	3.0	4.0
BENGAL	4.7	3.3	4.0
DECLARATION	5.3	2.7	4.0
PENNLINKS II	4.0	4.0	4.0
GREENWICH	5.3	2.3	3.8
IS-AP 9	5.0	2.7	3.8
MEMORIAL (A03-EDI)	4.7	3.0	3.8
PENNGROSS	4.7	3.0	3.8
SHARK (23R)	4.7	2.7	3.7
SR 7200	4.3	3.0	3.7
EFD	4.0	3.0	3.5
LS-44	3.7	3.3	3.5
T-1	3.3	3.7	3.5
235050	4.0	2.7	3.3
VILLA (IS-AC 1)	4.0	2.7	3.3
ALPHA	4.3	2.0	3.2
PENN A-1	4.0	2.3	3.2
VESPER	4.0	2.3	3.2
INDEPENDENCE	3.7	2.3	3.0
LEGENDARY	3.7	2.3	3.0
LSD VALUE	3.2	2.2	2.2
C.V. (%)	22.7	30.2	20.5

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

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

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR BENTGRASS CULTIVARS  
 IN THE 2003 NATIONAL BENTGRASS (PUTTING GREEN) TEST \*/  
 2004 DATA

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

NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/
007 (DSB)	6.3	45.8
13-M	5.9	8.3
235050	6.3	45.8
ALPHA	5.9	12.5
BENCHMARK DSR	5.8	16.7
BENGAL	5.9	8.3
CY-2	6.2	25.0
DECLARATION	6.3	50.0
EFD	5.4	20.8
GREENWICH	5.5	16.7
INDEPENDENCE	6.1	12.5
IS-AP 9	6.1	25.0
KINGPIN (9200)	5.8	8.3
LEGENDARY	5.5	12.5
LS-44	6.0	16.7
MEMORIAL (A03-EDI)	6.1	25.0
PENN A-1	6.2	25.0
PENNCROSS	5.2	12.5
PENNLINKS II	5.7	4.2
SHARK (23R)	6.2	54.2
SR 7200	5.1	8.3
SRX 1GD	6.2	37.5
SRX 1GPD	6.0	12.5
T-1	6.2	29.2
VESPER	5.3	16.7
VILLA (IS-AC 1)	5.5	16.7
LSD VALUE	0.2	
C.V. (%)	9.0	

\*/ 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/ MAXIMUM IN TOP 25% - THE PERCENTAGE OF LOCATIONS WHERE THAT ENTRY FINISHED IN THE TOP 25% OF ALL ENTRIES.