

## 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 2005

<u>State</u>	<u>Location</u>	<u>Code</u>
Arizona	Tucson	AZ1
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 Mexico	Las Cruces	NM1
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
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	Authority (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	Venus (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/ Seed Research of Oregon
22	Greenwich	velvet	Turf-Seed, Inc.
23	Shark (23R)	creeping	Mountain View Seeds, Ltd.
24	SRX 1GPD	creeping	Seed Research of Oregon/ Pickseed
25	SRX 1GD	creeping	Seed Research of Oregon
26	Pennlinks II	creeping	Tee-2-Green Corp.

TABLE A.

2005 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
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	5.1-6.0	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	SAND	-	-	-	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	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NC1	SAND	6.1-6.5	0-60	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
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
NM1	SILTY CLAY LOAM	7.6-8.5	0-60	0-150	3.1-4.0	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	7.6-8.5	151-270	376-500	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	151-240	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
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	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
WI1	SILT LOAM AND SILT	7.1-7.5	61-150	151-240	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS

TABLE B.

## LOCATIONS AND DATA COLLECTED IN 2005

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
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		
IN1				X	X	X	X	X	X	X	X		X		X
KS1				X	X	X									
KY1			X	X	X	X	X	X	X	X			X		X
MA1				X	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
MN1				X	X	X	X	X	X	X			X	X	
NC1	X	X	X	X	X	X	X	X	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
NM1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
NY1					X	X	X	X	X	X	X				
NY2					X	X	X	X	X	X	X				X
OK1		X	X	X	X	X	X	X	X	X	X	X	X		X
PA1				X	X	X	X	X	X	X			X	X	
QE1					X	X	X	X	X	X			X	X	X
SD1					X	X	X	X	X	X			X	X	
TX1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
UT1				X	X	X	X	X	X	X			X	X	
VA1		X	X		X	X	X	X	X	X	X		X	X	
WA3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
WI1					X	X	X	X	X	X			X	X	

TABLE B. (CONT'D)

## LOCATIONS AND DATA COLLECTED IN 2005

LOCATION	WEAR TOLERANCE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	MICRO-DOCHIUM PATCH	DOLLAR SPOT	RED THREAD	BROWN PATCH WARM TEMP.	FAIRY RING
AZ1		X	X	X	X	X	X	X					
IA1													
IL1			X										
IN1			X	X						X			
KS1													
KY1													
MA1	X												
ME1													
MI1		X	X	X	X	X	X						
MN1				X						X			X
NC1			X					X	X				
NE1		X	X	X									
NJ1				X									
NM1			X										
NY1													
NY2													
OK1			X		X	X	X	X					
PA1			X									X	
QE1		X	X	X									
SD1			X										
TX1		X	X	X									
UT1			X										
VA1													
WA3			X								X		
WI1			X							X			

TABLE B. (CONT'D)

## LOCATIONS AND DATA COLLECTED IN 2005

LOCATION	FALL COLOR	FALL COLOR	FALL COLOR	FALL COLOR	BASIDIO- MYCETES DISEASE	PERCENT DOLLAR SPOT RATING				DOLLAR SPOT RATONGS					BROWN PATCH RATINGS			
	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		JUL 19	JUL 26	AUG	OCT	JUN	JUL	AUG	SEP	OCT	NOV	JUN	JUL	AUG
AZ1	X	X	X	X														
IA1																		
IL1																		
IN1																		
KS1																		
KY1							X	X	X	X								
MA1																		
ME1																	X	X
MI1																		
MN1																		
NC1											X	X	X	X			X	X
NE1																		
NJ1																		
NM1																		
NY1																		
NY2																		
OK1																		
PA1																		
QE1																		
SD1																		
TX1																		
UT1																		
VA1											X	X	X	X	X		X	X
WA3																		
WI1																		

TABLE 1A. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON  
A SAND GREEN AT TEN LOCATIONS IN THE U.S. AND CANADA 1/  
2005 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/										
	AZ1	KS1	MN1	NC1	NE1	NJ1	OK1	QE1	TX1	UT1	MEAN
* CY-2	7.3	6.4	6.1	6.1	5.7	6.4	7.8	7.6	6.5	6.4	6.6
* AUTHORITY (235050)	7.6	5.3	5.8	5.1	6.0	6.3	7.7	7.7	6.2	7.0	6.5
* INDEPENDENCE	8.0	5.4	5.8	4.9	6.7	6.1	7.3	7.8	5.8	7.0	6.5
SHARK (23R)	7.2	5.1	5.7	4.9	6.0	6.5	7.9	7.3	6.1	7.9	6.5
* 007 (DSB)	7.6	5.2	5.2	5.7	5.7	5.8	7.1	7.5	6.4	7.8	6.4
* DECLARATION	7.0	6.4	4.6	5.8	5.5	6.5	7.5	7.2	6.4	7.0	6.4
* T-1	7.6	4.9	5.9	5.7	6.3	5.5	6.5	8.0	6.2	7.0	6.4
* LS-44	7.7	6.1	5.9	5.5	6.1	5.0	7.2	7.5	5.9	6.6	6.4
* TYEE (SRX 1GD)	6.2	5.0	5.4	5.0	5.3	6.8	8.1	7.6	6.3	7.8	6.3
* PENN A-1	7.4	4.3	5.5	5.4	6.1	6.0	7.9	7.6	6.0	6.8	6.3
* MEMORIAL (A03-EDI)	7.0	6.7	5.7	5.4	6.2	5.3	6.8	6.8	6.8	6.0	6.3
IS-AP 9	7.6	5.0	6.3	5.8	5.7	4.9	6.7	7.1	6.2	7.4	6.3
* MACKENZIE (SRX 1GPD)	6.0	5.6	5.0	4.6	6.4	5.9	7.6	7.6	6.3	7.4	6.2
KINGPIN (9200)	6.4	5.2	5.6	5.4	6.2	4.7	7.2	7.7	6.4	6.9	6.2
* BENCHMARK DSR	6.7	5.1	6.1	5.4	5.8	4.8	6.9	7.3	6.2	7.3	6.2
* BENGAL	7.4	5.7	5.3	4.9	5.6	5.3	7.0	7.2	6.1	6.7	6.1
* ALPHA	7.5	5.4	5.6	5.4	6.3	4.2	6.9	7.1	5.9	6.7	6.1
13-M	6.8	4.7	5.3	5.4	6.0	4.7	6.5	7.0	6.6	6.4	5.9
* PENNLINKS II	6.5	5.2	5.1	4.9	5.6	3.3	6.0	7.3	5.9	5.6	5.5
* VILLA (IS-AC 1)	6.7	3.8	4.9	5.7	2.9	7.5	4.6	7.5	5.1	2.7	5.1
* VENUS (EFD)	5.8	4.4	5.4	6.3	2.5	7.2	4.7	7.2	5.1	2.6	5.1
* LEGENDARY	6.6	4.2	4.9	6.1	1.9	7.2	4.8	7.7	5.2	2.5	5.1
* SR 7200	5.9	4.2	4.9	6.3	3.6	6.2	4.2	7.6	5.8	2.3	5.1
* GREENWICH	5.6	4.2	4.8	6.2	1.5	6.7	4.9	6.9	5.6	3.8	5.0
* VESPER	6.0	4.0	5.0	5.8	1.7	7.0	5.1	7.4	5.3	2.5	5.0
* PENNCROSS	6.2	5.1	3.5	4.3	5.7	2.1	5.1	7.0	5.4	4.5	4.9
LSD VALUE	0.9	1.4	0.8	1.0	1.2	1.0	1.1	0.9	0.7	0.5	0.3
C.V. (%)	8.4	17.4	8.8	11.4	14.0	10.6	10.6	7.7	7.2	5.7	10.3

\* COMMERCIALY AVAILABLE IN THE USA IN 2006.

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 1B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON A SAND GREEN AT TEN LOCATIONS IN THE U.S. AND CANADA 1/ 2005 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/										
	AZ1	KS1	MN1	NC1	NE1	NJ1	OK1	QE1	TX1	UT1	MEAN
CY-2	7.3	6.4	6.1	6.1	5.7	6.4	7.8	7.6	6.5	6.4	6.6
AUTHORITY (235050)	7.6	5.3	5.8	5.1	6.0	6.3	7.7	7.7	6.2	7.0	6.5
INDEPENDENCE	8.0	5.4	5.8	4.9	6.7	6.1	7.3	7.8	5.8	7.0	6.5
SHARK (23R)	7.2	5.1	5.7	4.9	6.0	6.5	7.9	7.3	6.1	7.9	6.5
007 (DSB)	7.6	5.2	5.2	5.7	5.7	5.8	7.1	7.5	6.4	7.8	6.4
DECLARATION	7.0	6.4	4.6	5.8	5.5	6.5	7.5	7.2	6.4	7.0	6.4
T-1	7.6	4.9	5.9	5.7	6.3	5.5	6.5	8.0	6.2	7.0	6.4
LS-44	7.7	6.1	5.9	5.5	6.1	5.0	7.2	7.5	5.9	6.6	6.4
TYEE (SRX 1GD)	6.2	5.0	5.4	5.0	5.3	6.8	8.1	7.6	6.3	7.8	6.3
PENN A-1	7.4	4.3	5.5	5.4	6.1	6.0	7.9	7.6	6.0	6.8	6.3
MEMORIAL (A03-EDI)	7.0	6.7	5.7	5.4	6.2	5.3	6.8	6.8	6.8	6.0	6.3
IS-AP 9	7.6	5.0	6.3	5.8	5.7	4.9	6.7	7.1	6.2	7.4	6.3
MACKENZIE (SRX 1GPD)	6.0	5.6	5.0	4.6	6.4	5.9	7.6	7.6	6.3	7.4	6.2
KINGPIN (9200)	6.4	5.2	5.6	5.4	6.2	4.7	7.2	7.7	6.4	6.9	6.2
BENCHMARK DSR	6.7	5.1	6.1	5.4	5.8	4.8	6.9	7.3	6.2	7.3	6.2
BENGAL	7.4	5.7	5.3	4.9	5.6	5.3	7.0	7.2	6.1	6.7	6.1
ALPHA	7.5	5.4	5.6	5.4	6.3	4.2	6.9	7.1	5.9	6.7	6.1
13-M	6.8	4.7	5.3	5.4	6.0	4.7	6.5	7.0	6.6	6.4	5.9
PENNLINKS II	6.5	5.2	5.1	4.9	5.6	3.3	6.0	7.3	5.9	5.6	5.5
PENNCROSS	6.2	5.1	3.5	4.3	5.7	2.1	5.1	7.0	5.4	4.5	4.9
LSD VALUE	1.0	1.5	0.8	0.8	0.9	1.0	1.0	0.7	0.7	0.5	0.3
C.V. (%)	9.0	17.5	9.5	9.5	9.0	11.7	8.4	6.2	7.1	4.8	9.3

TABLE 1C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON A SAND GREEN AT TEN LOCATIONS IN THE U.S. AND CANADA 1/ 2005 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/										
	AZ1	KS1	MN1	NC1	NE1	NJ1	OK1	QE1	TX1	UT1	MEAN
VILLA (IS-AC 1)	6.7	3.8	4.9	5.7	2.9	7.5	4.6	7.5	5.1	2.7	5.1
VENUS (EFD)	5.8	4.4	5.4	6.3	2.5	7.2	4.7	7.2	5.1	2.6	5.1
LEGENDARY	6.6	4.2	4.9	6.1	1.9	7.2	4.8	7.7	5.2	2.5	5.1
SR 7200	5.9	4.2	4.9	6.3	3.6	6.2	4.2	7.6	5.8	2.3	5.1
GREENWICH	5.6	4.2	4.8	6.2	1.5	6.7	4.9	6.9	5.6	3.8	5.0
VESPER	6.0	4.0	5.0	5.8	1.7	7.0	5.1	7.4	5.3	2.5	5.0
LSD VALUE	0.4	1.1	0.4	1.5	1.8	0.9	1.5	1.4	0.7	0.6	0.4
C.V. (%)	4.5	16.3	4.7	15.2	48.0	7.7	19.9	11.4	7.7	13.3	13.8

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

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



TABLE 2A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON  
A SOIL GREEN AT TWELVE LOCATIONS IN THE U.S. AND CANADA 1/  
2005 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/												
	IA1	IL1	IN1	KY1	ME1	MI1	NM1	NY1	PA1	SD1	VA1	WI1	MEAN
AUTHORITY (235050)	7.8	5.9	8.2	6.3	6.6	6.4	5.3	7.0	7.8	6.7	6.0	6.9	6.7
MACKENZIE (SRX 1GPD)	7.2	6.6	8.0	6.4	6.2	6.9	4.7	6.5	8.0	7.1	6.2	7.1	6.7
DECLARATION	6.6	5.9	8.0	6.7	6.5	6.6	5.1	7.0	7.1	6.2	6.3	8.2	6.7
CY-2	7.7	5.8	7.9	6.7	6.7	5.3	4.8	6.6	6.8	6.6	6.3	7.7	6.6
MEMORIAL (A03-EDI)	6.8	5.8	7.7	7.1	6.5	5.8	5.0	6.8	6.4	6.7	6.3	7.7	6.6
SHARK (23R)	7.3	6.2	8.2	5.7	6.4	6.4	4.6	6.7	8.3	6.6	5.3	6.9	6.5
007 (DSB)	7.5	6.1	8.2	6.7	6.1	6.3	4.5	6.6	7.6	6.2	5.9	6.8	6.5
IS-AP 9	8.1	6.5	8.0	7.1	6.7	5.1	4.2	6.7	6.9	6.4	5.6	6.9	6.5
TYEE (SRX 1GD)	6.8	6.8	8.0	6.1	6.3	6.3	4.3	6.8	8.2	5.9	5.7	6.7	6.5
KINGPIN (9200)	7.1	6.1	8.0	6.3	6.2	6.2	4.9	6.3	6.7	6.8	6.1	7.1	6.5
13-M	7.2	5.6	7.5	6.6	6.1	5.8	5.2	7.0	6.4	6.7	6.4	6.9	6.5
BENCHMARK DSR	7.2	5.6	8.2	6.8	6.5	6.0	5.1	7.0	6.5	6.4	5.5	6.3	6.4
T-1	7.3	6.1	8.4	6.0	6.4	5.7	5.2	7.0	6.7	6.3	5.5	6.3	6.4
LS-44	6.9	6.0	7.9	6.3	5.8	5.5	5.3	7.0	6.1	6.6	6.3	6.8	6.4
INDEPENDENCE	7.0	6.1	8.0	5.6	6.2	6.5	5.3	7.1	7.0	6.2	5.4	5.6	6.3
PENN A-1	6.3	5.4	8.0	6.5	6.4	5.1	4.4	6.9	7.4	6.3	5.7	7.0	6.3
BENGAL	6.9	5.9	8.0	5.4	6.6	6.1	5.0	6.8	6.6	6.4	5.2	6.0	6.2
ALPHA	7.4	5.6	8.0	6.1	6.3	5.0	5.1	7.0	6.3	6.1	5.5	5.9	6.2
PENNLINKS II	6.4	5.0	6.8	6.5	6.2	4.5	4.8	6.9	5.0	6.2	5.4	6.4	5.8
VILLA (IS-AC 1)	6.2	4.8	5.3	3.9	7.7	5.0	4.0	6.6	5.5	6.3	5.6	6.9	5.6
LEGENDARY	6.6	4.4	4.7	3.6	7.7	5.1	4.3	6.6	5.8	6.3	5.4	6.7	5.6
GREENWICH	6.1	4.1	4.9	4.1	7.9	4.7	4.1	7.0	5.3	6.0	5.3	6.9	5.5
VENUS (EFD)	5.4	4.8	4.6	3.8	7.8	4.3	3.7	7.1	5.1	6.3	5.5	6.8	5.4
PENNCROSS	6.0	4.4	6.1	4.1	6.1	4.6	5.5	7.0	4.3	6.1	5.5	4.8	5.4
VESPER	4.7	4.4	4.6	3.8	7.9	4.5	3.6	6.5	4.7	5.9	5.1	5.6	5.1
SR 7200	6.2	3.7	4.4	4.3	7.4	4.3	3.4	7.0	4.0	6.3	5.4	5.0	5.1
LSD VALUE	1.2	0.6	0.5	0.6	0.7	0.8	0.8	0.7	0.5	0.7	0.6	1.1	0.2
C.V. (%)	10.8	7.3	4.2	6.2	6.1	9.5	10.3	6.3	4.8	6.4	6.7	10.0	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 2B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON A SOIL GREEN AT TWELVE LOCATIONS IN THE U.S. AND CANADA 1/ 2005 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/												
	IA1	IL1	IN1	KY1	ME1	MI1	NM1	NY1	PA1	SD1	VA1	WI1	MEAN
AUTHORITY (235050)	7.8	5.9	8.2	6.3	6.6	6.4	5.3	7.0	7.8	6.7	6.0	6.9	6.7
MACKENZIE (SRX 1GPD)	7.2	6.6	8.0	6.4	6.2	6.9	4.7	6.5	8.0	7.1	6.2	7.1	6.7
DECLARATION	6.6	5.9	8.0	6.7	6.5	6.6	5.1	7.0	7.1	6.2	6.3	8.2	6.7
CY-2	7.7	5.8	7.9	6.7	6.7	5.3	4.8	6.6	6.8	6.6	6.3	7.7	6.6
MEMORIAL (A03-EDI)	6.8	5.8	7.7	7.1	6.5	5.8	5.0	6.8	6.4	6.7	6.3	7.7	6.6
SHARK (23R)	7.3	6.2	8.2	5.7	6.4	6.4	4.6	6.7	8.3	6.6	5.3	6.9	6.5
007 (DSB)	7.5	6.1	8.2	6.7	6.1	6.3	4.5	6.6	7.6	6.2	5.9	6.8	6.5
IS-AP 9	8.1	6.5	8.0	7.1	6.7	5.1	4.2	6.7	6.9	6.4	5.6	6.9	6.5
TYEE (SRX 1GD)	6.8	6.8	8.0	6.1	6.3	6.3	4.3	6.8	8.2	5.9	5.7	6.7	6.5
KINGPIN (9200)	7.1	6.1	8.0	6.3	6.2	6.2	4.9	6.3	6.7	6.8	6.1	7.1	6.5
13-M	7.2	5.6	7.5	6.6	6.1	5.8	5.2	7.0	6.4	6.7	6.4	6.9	6.5
BENCHMARK DSR	7.2	5.6	8.2	6.8	6.5	6.0	5.1	7.0	6.5	6.4	5.5	6.3	6.4
T-1	7.3	6.1	8.4	6.0	6.4	5.7	5.2	7.0	6.7	6.3	5.5	6.3	6.4
LS-44	6.9	6.0	7.9	6.3	5.8	5.5	5.3	7.0	6.1	6.6	6.3	6.8	6.4
INDEPENDENCE	7.0	6.1	8.0	5.6	6.2	6.5	5.3	7.1	7.0	6.2	5.4	5.6	6.3
PENN A-1	6.3	5.4	8.0	6.5	6.4	5.1	4.4	6.9	7.4	6.3	5.7	7.0	6.3
BENGAL	6.9	5.9	8.0	5.4	6.6	6.1	5.0	6.8	6.6	6.4	5.2	6.0	6.2
ALPHA	7.4	5.6	8.0	6.1	6.3	5.0	5.1	7.0	6.3	6.1	5.5	5.9	6.2
PENNLINKS II	6.4	5.0	6.8	6.5	6.2	4.5	4.8	6.9	5.0	6.2	5.4	6.4	5.8
PENNCROSS	6.0	4.4	6.1	4.1	6.1	4.6	5.5	7.0	4.3	6.1	5.5	4.8	5.4
LSD VALUE	1.2	0.7	0.5	0.5	0.7	0.9	0.7	0.7	0.5	0.5	0.6	1.1	0.2
C.V. (%)	10.9	7.0	3.6	5.4	7.0	9.4	9.3	6.6	4.2	4.9	6.9	10.4	7.4

TABLE 2C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON A SOIL GREEN AT TWELVE LOCATIONS IN THE U.S. AND CANADA 1/ 2005 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/												
	IA1	IL1	IN1	KY1	ME1	MI1	NM1	NY1	PA1	SD1	VA1	WI1	MEAN
VILLA (IS-AC 1)	6.2	4.8	5.3	3.9	7.7	5.0	4.0	6.6	5.5	6.3	5.6	6.9	5.6
LEGENDARY	6.6	4.4	4.7	3.6	7.7	5.1	4.3	6.6	5.8	6.3	5.4	6.7	5.6
GREENWICH	6.1	4.1	4.9	4.1	7.9	4.7	4.1	7.0	5.3	6.0	5.3	6.9	5.5
VENUS (EFD)	5.4	4.8	4.6	3.8	7.8	4.3	3.7	7.1	5.1	6.3	5.5	6.8	5.4
VESPER	4.7	4.4	4.6	3.8	7.9	4.5	3.6	6.5	4.7	5.9	5.1	5.6	5.1
SR 7200	6.2	3.7	4.4	4.3	7.4	4.3	3.4	7.0	4.0	6.3	5.4	5.0	5.1
LSD VALUE	1.0	0.6	0.6	0.6	0.4	0.7	0.9	0.6	0.6	1.0	0.5	0.9	0.2
C.V. (%)	10.1	8.2	7.3	10.1	2.9	9.9	14.4	5.0	6.9	10.0	5.5	8.6	8.2

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 3A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT TEN LOCATIONS  
USING A 1/8" OR LOWER MOWING HEIGHT 1/  
2005 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/										
	MI1	NC1	NE1	NJ1	NY1	OK1	PA1	QE1	VA1	WI1	MEAN
DECLARATION	6.6	5.8	5.5	6.5	7.0	7.5	7.1	7.2	6.3	8.2	6.8
AUTHORITY (235050)	6.4	5.1	6.0	6.3	7.0	7.7	7.8	7.7	6.0	6.9	6.7
MACKENZIE (SRX 1GPD)	6.9	4.6	6.4	5.9	6.5	7.6	8.0	7.6	6.2	7.1	6.7
TYEE (SRX 1GD)	6.3	5.0	5.3	6.8	6.8	8.1	8.2	7.6	5.7	6.7	6.6
CY-2	5.3	6.1	5.7	6.4	6.6	7.8	6.8	7.6	6.3	7.7	6.6
SHARK (23R)	6.4	4.9	6.0	6.5	6.7	7.9	8.3	7.3	5.3	6.9	6.6
PENN A-1	5.1	5.4	6.1	6.0	6.9	7.9	7.4	7.6	5.7	7.0	6.5
007 (DSB)	6.3	5.7	5.7	5.8	6.6	7.1	7.6	7.5	5.9	6.8	6.5
INDEPENDENCE	6.5	4.9	6.7	6.1	7.1	7.3	7.0	7.8	5.4	5.6	6.4
KINGPIN (9200)	6.2	5.4	6.2	4.7	6.3	7.2	6.7	7.7	6.1	7.1	6.4
MEMORIAL (A03-EDI)	5.8	5.4	6.2	5.3	6.8	6.8	6.4	6.8	6.3	7.7	6.4
T-1	5.7	5.7	6.3	5.5	7.0	6.5	6.7	8.0	5.5	6.3	6.3
LS-44	5.5	5.5	6.1	5.0	7.0	7.2	6.1	7.5	6.3	6.8	6.3
13-M	5.8	5.4	6.0	4.7	7.0	6.5	6.4	7.0	6.4	6.9	6.2
BENCHMARK DSR	6.0	5.4	5.8	4.8	7.0	6.9	6.5	7.3	5.5	6.3	6.2
IS-AP 9	5.1	5.8	5.7	4.9	6.7	6.7	6.9	7.1	5.6	6.9	6.1
BENGAL	6.1	4.9	5.6	5.3	6.8	7.0	6.6	7.2	5.2	6.0	6.1
ALPHA	5.0	5.4	6.3	4.2	7.0	6.9	6.3	7.1	5.5	5.9	6.0
VILLA (IS-AC 1)	5.0	5.7	2.9	7.5	6.6	4.6	5.5	7.5	5.6	6.9	5.8
LEGENDARY	5.1	6.1	1.9	7.2	6.6	4.8	5.8	7.7	5.4	6.7	5.7
VENUS (EFD)	4.3	6.3	2.5	7.2	7.1	4.7	5.1	7.2	5.5	6.8	5.7
GREENWICH	4.7	6.2	1.5	6.7	7.0	4.9	5.3	6.9	5.3	6.9	5.5
PENNLINKS II	4.5	4.9	5.6	3.3	6.9	6.0	5.0	7.3	5.4	6.4	5.5
SR 7200	4.3	6.3	3.6	6.2	7.0	4.2	4.0	7.6	5.4	5.0	5.3
VESPER	4.5	5.8	1.7	7.0	6.5	5.1	4.7	7.4	5.1	5.6	5.3
PENNCROSS	4.6	4.3	5.7	2.1	7.0	5.1	4.3	7.0	5.5	4.8	5.0
LSD VALUE	0.8	1.0	1.2	1.0	0.7	1.1	0.5	0.9	0.6	1.1	0.3
C.V. (%)	9.5	11.4	14.0	10.6	6.3	10.6	4.8	7.7	6.7	10.0	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 3B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN AT TEN LOCATIONS  
USING A 1/8" OR LOWER MOWING HEIGHT 1/  
2005 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MI1	NC1	NE1	NJ1	NY1	OK1	PA1	QE1	VA1	WI1	MEAN
DECLARATION	6.6	5.8	5.5	6.5	7.0	7.5	7.1	7.2	6.3	8.2	6.8
AUTHORITY (235050)	6.4	5.1	6.0	6.3	7.0	7.7	7.8	7.7	6.0	6.9	6.7
MACKENZIE (SRX 1GPD)	6.9	4.6	6.4	5.9	6.5	7.6	8.0	7.6	6.2	7.1	6.7
TYEE (SRX 1GD)	6.3	5.0	5.3	6.8	6.8	8.1	8.2	7.6	5.7	6.7	6.6
CY-2	5.3	6.1	5.7	6.4	6.6	7.8	6.8	7.6	6.3	7.7	6.6
SHARK (23R)	6.4	4.9	6.0	6.5	6.7	7.9	8.3	7.3	5.3	6.9	6.6
PENN A-1	5.1	5.4	6.1	6.0	6.9	7.9	7.4	7.6	5.7	7.0	6.5
007 (DSB)	6.3	5.7	5.7	5.8	6.6	7.1	7.6	7.5	5.9	6.8	6.5
INDEPENDENCE	6.5	4.9	6.7	6.1	7.1	7.3	7.0	7.8	5.4	5.6	6.4
KINGPIN (9200)	6.2	5.4	6.2	4.7	6.3	7.2	6.7	7.7	6.1	7.1	6.4
MEMORIAL (A03-EDI)	5.8	5.4	6.2	5.3	6.8	6.8	6.4	6.8	6.3	7.7	6.4
T-1	5.7	5.7	6.3	5.5	7.0	6.5	6.7	8.0	5.5	6.3	6.3
LS-44	5.5	5.5	6.1	5.0	7.0	7.2	6.1	7.5	6.3	6.8	6.3
13-M	5.8	5.4	6.0	4.7	7.0	6.5	6.4	7.0	6.4	6.9	6.2
BENCHMARK DSR	6.0	5.4	5.8	4.8	7.0	6.9	6.5	7.3	5.5	6.3	6.2
IS-AP 9	5.1	5.8	5.7	4.9	6.7	6.7	6.9	7.1	5.6	6.9	6.1
BENGAL	6.1	4.9	5.6	5.3	6.8	7.0	6.6	7.2	5.2	6.0	6.1
ALPHA	5.0	5.4	6.3	4.2	7.0	6.9	6.3	7.1	5.5	5.9	6.0
PENNLINKS II	4.5	4.9	5.6	3.3	6.9	6.0	5.0	7.3	5.4	6.4	5.5
PENNCROSS	4.6	4.3	5.7	2.1	7.0	5.1	4.3	7.0	5.5	4.8	5.0
LSD VALUE	0.9	0.8	0.9	1.0	0.7	1.0	0.5	0.7	0.6	1.1	0.3
C.V. (%)	9.4	9.5	9.0	11.7	6.6	8.4	4.2	6.2	6.9	10.4	8.3

TABLE 3C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN AT TEN LOCATIONS  
USING A 1/8" OR LOWER MOWING HEIGHT 1/  
2005 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MI1	NC1	NE1	NJ1	NY1	OK1	PA1	QE1	VA1	WI1	MEAN
VILLA (IS-AC 1)	5.0	5.7	2.9	7.5	6.6	4.6	5.5	7.5	5.6	6.9	5.8
LEGENDARY	5.1	6.1	1.9	7.2	6.6	4.8	5.8	7.7	5.4	6.7	5.7
VENUS (EFD)	4.3	6.3	2.5	7.2	7.1	4.7	5.1	7.2	5.5	6.8	5.7
GREENWICH	4.7	6.2	1.5	6.7	7.0	4.9	5.3	6.9	5.3	6.9	5.5
SR 7200	4.3	6.3	3.6	6.2	7.0	4.2	4.0	7.6	5.4	5.0	5.3
VESPER	4.5	5.8	1.7	7.0	6.5	5.1	4.7	7.4	5.1	5.6	5.3
LSD VALUE	0.7	1.5	1.8	0.9	0.6	1.5	0.6	1.4	0.5	0.9	0.4
C.V. (%)	9.9	15.2	48.0	7.7	5.0	19.9	6.9	11.4	5.5	8.6	12.5

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

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

TABLE 4A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN  
GROWN ON A GREEN AT TWELVE LOCATIONS  
USING A 9/64" TO 5/32" MOWING HEIGHT 1/  
2005 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/												
	AZ1	IA1	IL1	IN1	KS1	KY1	ME1	MN1	NM1	SD1	TX1	UT1	MEAN
IS-AP 9	7.6	8.1	6.5	8.0	5.0	7.1	6.7	6.3	4.2	6.4	6.2	7.4	6.6
CY-2	7.3	7.7	5.8	7.9	6.4	6.7	6.7	6.1	4.8	6.6	6.5	6.4	6.6
AUTHORITY (235050)	7.6	7.8	5.9	8.2	5.3	6.3	6.6	5.8	5.3	6.7	6.2	7.0	6.6
MEMORIAL (A03-EDI)	7.0	6.8	5.8	7.7	6.7	7.1	6.5	5.7	5.0	6.7	6.8	6.0	6.5
007 (DSB)	7.6	7.5	6.1	8.2	5.2	6.7	6.1	5.2	4.5	6.2	6.4	7.8	6.5
T-1	7.6	7.3	6.1	8.4	4.9	6.0	6.4	5.9	5.2	6.3	6.2	7.0	6.4
BENCHMARK DSR	6.7	7.2	5.6	8.2	5.1	6.8	6.5	6.1	5.1	6.4	6.2	7.3	6.4
LS-44	7.7	6.9	6.0	7.9	6.1	6.3	5.8	5.9	5.3	6.6	5.9	6.6	6.4
SHARK (23R)	7.2	7.3	6.2	8.2	5.1	5.7	6.4	5.7	4.6	6.6	6.1	7.9	6.4
MACKENZIE (SRX 1GPD)	6.0	7.2	6.6	8.0	5.6	6.4	6.2	5.0	4.7	7.1	6.3	7.4	6.4
DECLARATION	7.0	6.6	5.9	8.0	6.4	6.7	6.5	4.6	5.1	6.2	6.4	7.0	6.4
INDEPENDENCE	8.0	7.0	6.1	8.0	5.4	5.6	6.2	5.8	5.3	6.2	5.8	7.0	6.4
KINGPIN (9200)	6.4	7.1	6.1	8.0	5.2	6.3	6.2	5.6	4.9	6.8	6.4	6.9	6.3
ALPHA	7.5	7.4	5.6	8.0	5.4	6.1	6.3	5.6	5.1	6.1	5.9	6.7	6.3
BENGAL	7.4	6.9	5.9	8.0	5.7	5.4	6.6	5.3	5.0	6.4	6.1	6.7	6.3
TYEE (SRX 1GD)	6.2	6.8	6.8	8.0	5.0	6.1	6.3	5.4	4.3	5.9	6.3	7.8	6.2
13-M	6.8	7.2	5.6	7.5	4.7	6.6	6.1	5.3	5.2	6.7	6.6	6.4	6.2
PENN A-1	7.4	6.3	5.4	8.0	4.3	6.5	6.4	5.5	4.4	6.3	6.0	6.8	6.1
PENNLINKS II	6.5	6.4	5.0	6.8	5.2	6.5	6.2	5.1	4.8	6.2	5.9	5.6	5.9
PENNCROSS	6.2	6.0	4.4	6.1	5.1	4.1	6.1	3.5	5.5	6.1	5.4	4.5	5.2
VILLA (IS-AC 1)	6.7	6.2	4.8	5.3	3.8	3.9	7.7	4.9	4.0	6.3	5.1	2.7	5.1
GREENWICH	5.6	6.1	4.1	4.9	4.2	4.1	7.9	4.8	4.1	6.0	5.6	3.8	5.1
LEGENDARY	6.6	6.6	4.4	4.7	4.2	3.6	7.7	4.9	4.3	6.3	5.2	2.5	5.1
VENUS (EFD)	5.8	5.4	4.8	4.6	4.4	3.8	7.8	5.4	3.7	6.3	5.1	2.6	5.0
SR 7200	5.9	6.2	3.7	4.4	4.2	4.3	7.4	4.9	3.4	6.3	5.8	2.3	4.9
VESPER	6.0	4.7	4.4	4.6	4.0	3.8	7.9	5.0	3.6	5.9	5.3	2.5	4.8
LSD VALUE	0.9	1.2	0.6	0.5	1.4	0.6	0.7	0.8	0.8	0.7	0.7	0.5	0.2
C.V. (%)	8.4	10.8	7.3	4.2	17.4	6.2	6.1	8.8	10.3	6.4	7.2	5.7	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 4B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN  
GROWN ON A GREEN AT TWELVE LOCATIONS  
USING A 9/64" TO 5/32" MOWING HEIGHT 1/  
2005 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	AZ1	IA1	IL1	IN1	KS1	KY1	ME1	MN1	NM1	SD1	TX1	UT1	MEAN
IS-AP 9	7.6	8.1	6.5	8.0	5.0	7.1	6.7	6.3	4.2	6.4	6.2	7.4	6.6
CY-2	7.3	7.7	5.8	7.9	6.4	6.7	6.7	6.1	4.8	6.6	6.5	6.4	6.6
AUTHORITY (235050)	7.6	7.8	5.9	8.2	5.3	6.3	6.6	5.8	5.3	6.7	6.2	7.0	6.6
MEMORIAL (A03-EDI)	7.0	6.8	5.8	7.7	6.7	7.1	6.5	5.7	5.0	6.7	6.8	6.0	6.5
007 (DSB)	7.6	7.5	6.1	8.2	5.2	6.7	6.1	5.2	4.5	6.2	6.4	7.8	6.5
T-1	7.6	7.3	6.1	8.4	4.9	6.0	6.4	5.9	5.2	6.3	6.2	7.0	6.4
BENCHMARK DSR	6.7	7.2	5.6	8.2	5.1	6.8	6.5	6.1	5.1	6.4	6.2	7.3	6.4
LS-44	7.7	6.9	6.0	7.9	6.1	6.3	5.8	5.9	5.3	6.6	5.9	6.6	6.4
SHARK (23R)	7.2	7.3	6.2	8.2	5.1	5.7	6.4	5.7	4.6	6.6	6.1	7.9	6.4
MACKENZIE (SRX 1GPD)	6.0	7.2	6.6	8.0	5.6	6.4	6.2	5.0	4.7	7.1	6.3	7.4	6.4
DECLARATION	7.0	6.6	5.9	8.0	6.4	6.7	6.5	4.6	5.1	6.2	6.4	7.0	6.4
INDEPENDENCE	8.0	7.0	6.1	8.0	5.4	5.6	6.2	5.8	5.3	6.2	5.8	7.0	6.4
KINGPIN (9200)	6.4	7.1	6.1	8.0	5.2	6.3	6.2	5.6	4.9	6.8	6.4	6.9	6.3
ALPHA	7.5	7.4	5.6	8.0	5.4	6.1	6.3	5.6	5.1	6.1	5.9	6.7	6.3
BENGAL	7.4	6.9	5.9	8.0	5.7	5.4	6.6	5.3	5.0	6.4	6.1	6.7	6.3
TYEE (SRX 1GD)	6.2	6.8	6.8	8.0	5.0	6.1	6.3	5.4	4.3	5.9	6.3	7.8	6.2
13-M	6.8	7.2	5.6	7.5	4.7	6.6	6.1	5.3	5.2	6.7	6.6	6.4	6.2
PENN A-1	7.4	6.3	5.4	8.0	4.3	6.5	6.4	5.5	4.4	6.3	6.0	6.8	6.1
PENNLINKS II	6.5	6.4	5.0	6.8	5.2	6.5	6.2	5.1	4.8	6.2	5.9	5.6	5.9
PENNCROSS	6.2	6.0	4.4	6.1	5.1	4.1	6.1	3.5	5.5	6.1	5.4	4.5	5.2
LSD VALUE	1.0	1.2	0.7	0.5	1.5	0.5	0.7	0.8	0.7	0.5	0.7	0.5	0.2
C.V. (%)	9.0	10.9	7.0	3.6	17.5	5.4	7.0	9.5	9.3	4.9	7.1	4.8	8.4

TABLE 4C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN  
GROWN ON A GREEN AT TWELVE LOCATIONS  
USING A 9/64" TO 5/32" MOWING HEIGHT 1/  
2005 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	AZ1	IA1	IL1	IN1	KS1	KY1	ME1	MN1	NM1	SD1	TX1	UT1	MEAN
VILLA (IS-AC 1)	6.7	6.2	4.8	5.3	3.8	3.9	7.7	4.9	4.0	6.3	5.1	2.7	5.1
GREENWICH	5.6	6.1	4.1	4.9	4.2	4.1	7.9	4.8	4.1	6.0	5.6	3.8	5.1
LEGENDARY	6.6	6.6	4.4	4.7	4.2	3.6	7.7	4.9	4.3	6.3	5.2	2.5	5.1
VENUS (EFD)	5.8	5.4	4.8	4.6	4.4	3.8	7.8	5.4	3.7	6.3	5.1	2.6	5.0
SR 7200	5.9	6.2	3.7	4.4	4.2	4.3	7.4	4.9	3.4	6.3	5.8	2.3	4.9
VESPER	6.0	4.7	4.4	4.6	4.0	3.8	7.9	5.0	3.6	5.9	5.3	2.5	4.8
LSD VALUE	0.4	1.0	0.6	0.6	1.1	0.6	0.4	0.4	0.9	1.0	0.7	0.6	0.2
C.V. (%)	4.5	10.1	8.2	7.3	16.3	10.1	2.9	4.7	14.4	10.0	7.7	13.3	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 5A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN UNDER LOW MAINTENANCE AT PUYALLUP, WA 1/  
2005 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SUMMER	RED THREAD	BASIDIO- MYCETES DISEASE	QUALITY RATINGS												MEAN
						JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
AUTHORITY (235050)	6.0	5.7	7.0	8.0	7.7	5.3	5.0	5.3	6.0	7.3	7.3	7.0	7.3	7.0	7.0	7.0	5.7	6.4
MACKENZIE (SRX 1GPD)	5.0	5.7	7.7	8.3	6.7	5.7	5.0	6.0	5.7	7.3	7.0	7.0	6.7	6.3	6.7	6.7	5.7	6.3
VILLA (IS-AC 1)	8.0	5.0	8.3	7.0	7.3	5.7	5.0	5.0	6.3	6.7	5.7	7.3	7.3	7.0	6.3	6.7	6.7	6.3
007 (DSB)	6.7	6.0	6.7	8.7	8.3	5.7	5.0	5.0	5.7	7.0	7.0	6.7	7.3	6.3	6.7	6.3	5.7	6.2
INDEPENDENCE	6.3	5.0	7.0	8.0	8.3	5.0	5.0	5.0	6.0	6.7	7.0	6.7	7.7	6.7	7.0	6.0	5.7	6.2
SHARK (23R)	6.0	5.3	7.0	8.0	7.3	4.7	4.7	6.0	6.0	6.7	7.0	7.0	7.0	6.7	6.7	6.3	5.7	6.2
TYEE (SRX 1GD)	6.3	5.3	7.7	8.3	6.0	5.3	5.3	5.7	5.0	7.0	7.0	6.7	7.0	6.7	6.7	6.0	6.0	6.2
LEGENDARY	8.0	5.0	8.3	7.0	7.3	4.7	4.3	4.3	6.0	7.0	6.0	6.3	7.3	6.7	6.0	7.0	6.7	6.0
VENUS (EFD)	8.0	5.7	8.3	7.3	7.7	6.0	5.0	5.0	5.7	6.0	5.3	5.3	7.0	7.0	6.7	6.3	6.3	6.0
DECLARATION	6.7	5.7	7.0	8.7	8.7	5.0	5.0	5.0	5.3	7.0	6.3	6.0	7.0	6.3	6.3	6.0	5.7	5.9
ALPHA	6.7	4.7	6.3	8.0	8.7	4.7	4.7	4.7	5.7	6.3	6.7	6.3	6.7	6.7	6.7	5.7	5.0	5.8
CY-2	5.3	5.3	6.7	8.0	8.7	5.3	4.0	5.0	5.0	6.3	6.3	6.0	6.7	7.0	6.3	6.0	5.3	5.8
GREENWICH	8.0	4.7	8.0	7.0	7.3	5.0	4.7	4.7	5.3	6.3	6.7	6.3	6.7	6.0	6.0	6.3	5.7	5.8
PENN A-1	6.3	4.0	7.0	8.0	9.0	5.3	4.0	5.0	5.0	6.7	5.7	5.7	6.7	6.0	6.7	6.3	5.7	5.7
VESPER	8.0	5.3	8.0	6.7	8.3	5.0	5.0	4.3	5.3	6.3	5.7	5.7	6.0	6.3	6.3	6.0	5.3	5.6
BENCHMARK DSR	7.0	5.0	6.0	8.3	9.0	4.3	4.7	4.7	5.3	6.0	6.0	5.7	5.7	5.7	6.0	5.7	5.0	5.4
IS-AP 9	6.7	3.0	6.7	7.7	9.0	4.3	3.7	4.3	4.7	6.3	6.3	5.7	6.3	6.0	5.7	6.0	5.0	5.4
KINGPIN (9200)	7.0	5.3	6.7	8.0	9.0	4.7	4.7	4.7	4.3	5.7	6.3	6.0	5.7	5.3	6.0	5.7	5.3	5.4
T-1	7.7	4.7	6.3	7.7	8.0	4.7	4.7	4.7	5.0	6.0	5.7	5.7	6.0	5.7	5.7	6.0	5.0	5.4
13-M	6.0	4.7	6.0	8.7	8.7	4.7	4.3	4.7	5.3	6.0	5.7	5.3	5.7	6.0	6.0	5.3	4.7	5.3
BENGAL	6.7	4.7	6.0	8.0	9.0	5.0	4.7	5.0	4.7	6.0	5.7	5.3	5.7	5.7	5.7	6.0	4.7	5.3
LS-44	6.7	4.0	6.3	8.3	9.0	4.3	4.0	4.7	4.7	6.3	6.0	6.0	6.0	5.7	5.7	5.7	5.0	5.3
SR 7200	8.0	5.7	8.3	6.0	9.0	5.0	4.7	4.0	4.7	5.3	5.0	5.7	6.0	6.0	5.3	6.3	5.7	5.3
MEMORIAL (A03-EDI)	6.3	4.7	6.3	9.0	9.0	5.0	4.3	4.3	4.7	6.0	5.3	5.7	5.7	5.0	5.7	5.7	4.7	5.2
PENNLINKS II	6.7	4.0	5.7	8.3	9.0	3.7	3.7	4.0	5.0	5.3	5.0	5.0	4.7	4.7	4.7	4.3	4.0	4.5
PENNCROSS	6.3	3.3	5.0	8.7	9.0	3.0	3.0	3.7	4.0	4.3	4.0	4.7	5.3	5.3	5.0	4.7	4.0	4.3
LSD VALUE	0.7	0.6	0.8	0.8	1.5	0.8	0.9	0.7	1.2	0.9	1.1	1.1	1.0	1.1	1.2	1.0	0.9	0.4
C.V. (%)	6.3	8.6	7.4	6.4	10.0	10.4	11.0	8.7	12.1	8.9	11.1	10.4	9.1	10.2	10.4	9.2	10.0	5.1

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 5B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN UNDER LOW MAINTENANCE AT PUYALLUP, WA 1/  
2005 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SUMMER	RED THREAD	BASIDIO- MYCETES DISEASE	QUALITY RATINGS												MEAN
						JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
AUTHORITY (235050)	6.0	5.7	7.0	8.0	7.7	5.3	5.0	5.3	6.0	7.3	7.3	7.0	7.3	7.0	7.0	7.0	5.7	6.4
MACKENZIE (SRX 1GPD)	5.0	5.7	7.7	8.3	6.7	5.7	5.0	6.0	5.7	7.3	7.0	7.0	6.7	6.3	6.7	6.7	5.7	6.3
007 (DSB)	6.7	6.0	6.7	8.7	8.3	5.7	5.0	5.0	5.7	7.0	7.0	6.7	7.3	6.3	6.7	6.3	5.7	6.2
INDEPENDENCE	6.3	5.0	7.0	8.0	8.3	5.0	5.0	5.0	6.0	6.7	7.0	6.7	7.7	6.7	7.0	6.0	5.7	6.2
SHARK (23R)	6.0	5.3	7.0	8.0	7.3	4.7	4.7	6.0	6.0	6.7	7.0	7.0	7.0	6.7	6.7	6.3	5.7	6.2
TYEE (SRX 1GD)	6.3	5.3	7.7	8.3	6.0	5.3	5.3	5.7	5.0	7.0	7.0	6.7	7.0	6.7	6.7	6.0	6.0	6.2
DECLARATION	6.7	5.7	7.0	8.7	8.7	5.0	5.0	5.0	5.3	7.0	6.3	6.0	7.0	6.3	6.3	6.0	5.7	5.9
ALPHA	6.7	4.7	6.3	8.0	8.7	4.7	4.7	4.7	5.7	6.3	6.7	6.3	6.7	6.7	6.7	5.7	5.0	5.8
CY-2	5.3	5.3	6.7	8.0	8.7	5.3	4.0	5.0	5.0	6.3	6.3	6.0	6.7	7.0	6.3	6.0	5.3	5.8
PENN A-1	6.3	4.0	7.0	8.0	9.0	5.3	4.0	5.0	5.0	6.7	5.7	5.7	6.7	6.0	6.7	6.3	5.7	5.7
BENCHMARK DSR	7.0	5.0	6.0	8.3	9.0	4.3	4.7	4.7	5.3	6.0	6.0	5.7	5.7	5.7	6.0	5.7	5.0	5.4
IS-AP 9	6.7	3.0	6.7	7.7	9.0	4.3	3.7	4.3	4.7	6.3	6.3	5.7	6.3	6.0	5.7	6.0	5.0	5.4
KINGPIN (9200)	7.0	5.3	6.7	8.0	9.0	4.7	4.7	4.7	4.3	5.7	6.3	6.0	5.7	5.3	6.0	5.7	5.3	5.4
T-1	7.7	4.7	6.3	7.7	8.0	4.7	4.7	4.7	5.0	6.0	5.7	5.7	6.0	5.7	5.7	6.0	5.0	5.4
13-M	6.0	4.7	6.0	8.7	8.7	4.7	4.3	4.7	5.3	6.0	5.7	5.3	5.7	6.0	6.0	5.3	4.7	5.3
BENGAL	6.7	4.7	6.0	8.0	9.0	5.0	4.7	5.0	4.7	6.0	5.7	5.3	5.7	5.7	5.7	6.0	4.7	5.3
LS-44	6.7	4.0	6.3	8.3	9.0	4.3	4.0	4.7	4.7	6.3	6.0	6.0	6.0	5.7	5.7	5.7	5.0	5.3
MEMORIAL (A03-EDI)	6.3	4.7	6.3	9.0	9.0	5.0	4.3	4.3	4.7	6.0	5.3	5.7	5.7	5.0	5.7	5.7	4.7	5.2
PENNLINKS II	6.7	4.0	5.7	8.3	9.0	3.7	3.7	4.0	5.0	5.3	5.0	5.0	4.7	4.7	4.7	4.3	4.0	4.5
PENNCROSS	6.3	3.3	5.0	8.7	9.0	3.0	3.0	3.7	4.0	4.3	4.0	4.7	5.3	5.3	5.0	4.7	4.0	4.3
LSD VALUE	0.8	0.7	0.9	0.8	1.4	0.9	0.8	0.7	1.2	0.8	1.2	1.0	0.8	1.1	1.0	1.1	0.9	0.4
C.V. (%)	7.6	8.8	8.1	4.9	9.2	10.7	10.8	8.6	12.0	7.9	11.3	9.7	8.2	10.0	9.6	9.9	9.8	4.9

TABLE 5C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN UNDER LOW MAINTENANCE AT PUYALLUP, WA 1/  
2005 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SUMMER	RED THREAD	BASIDIO- MYCETES DISEASE	QUALITY RATINGS												MEAN
						JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
VILLA (IS-AC 1)	8	5.0	8.3	7.0	7.3	5.7	5.0	5.0	6.3	6.7	5.7	7.3	7.3	7.0	6.3	6.7	6.7	6.3
LEGENDARY	8	5.0	8.3	7.0	7.3	4.7	4.3	4.3	6.0	7.0	6.0	6.3	7.3	6.7	6.0	7.0	6.7	6.0
VENUS (EFD)	8	5.7	8.3	7.3	7.7	6.0	5.0	5.0	5.7	6.0	5.3	5.3	7.0	7.0	6.7	6.3	6.3	6.0
GREENWICH	8	4.7	8.0	7.0	7.3	5.0	4.7	4.7	5.3	6.3	6.7	6.3	6.7	6.0	6.0	6.3	5.7	5.8
VESPER	8	5.3	8.0	6.7	8.3	5.0	5.0	4.3	5.3	6.3	5.7	5.7	6.0	6.3	6.3	6.0	5.3	5.6
SR 7200	8	5.7	8.3	6.0	9.0	5.0	4.7	4.0	4.7	5.3	5.0	5.7	6.0	6.0	5.3	6.3	5.7	5.3
LSD VALUE	0	0.9	1.3	1.6	2.3	0.9	1.5	0.9	1.4	1.4	1.4	1.7	1.8	1.6	2.0	1.0	0.5	0.7
C.V. (%)	0	8.3	6.1	10.3	13.0	8.3	12.5	9.5	12.1	10.4	11.4	13.2	12.0	10.9	13.9	6.7	4.9	6.1

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 6A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/  
2005 DATA

## TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	WEAR TOLERANCE	QUALITY RATINGS								MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
VESPER	7.0	7.7	7.0	4.7	5.7	7.7	7.7	7.3	7.3	6.7	6.3	6.7
LEGENDARY	7.0	7.7	7.3	4.3	6.7	7.3	7.7	6.7	7.7	7.0	5.7	6.6
VENUS (EFD)	7.0	7.3	7.3	4.0	6.3	7.0	7.3	7.7	7.3	7.0	6.3	6.6
VILLA (IS-AC 1)	6.7	7.7	7.7	4.3	6.7	7.0	7.7	7.0	7.7	7.0	5.3	6.6
GREENWICH	7.0	7.3	8.0	4.7	6.3	7.0	7.0	7.0	7.3	7.0	5.7	6.5
IS-AP 9	5.7	6.0	3.3	3.3	6.7	7.7	7.0	7.0	7.3	6.0	5.0	6.3
LS-44	5.7	6.3	3.3	3.3	7.0	7.7	7.0	7.3	7.0	6.3	5.0	6.3
KINGPIN (9200)	6.0	6.0	3.7	3.0	6.3	7.0	6.3	7.7	7.3	7.0	5.0	6.2
MEMORIAL (A03-EDI)	5.0	6.3	3.0	3.0	6.7	7.7	6.7	7.3	7.0	6.3	5.0	6.2
13-M	5.0	5.7	2.7	3.0	6.3	7.0	6.7	7.0	7.0	6.7	5.3	6.1
BENCHMARK DSR	6.0	6.0	2.7	3.0	6.0	7.3	6.7	7.0	7.7	6.7	4.7	6.1
BENGAL	5.7	5.7	3.7	3.3	6.0	7.0	6.7	6.7	7.0	6.3	6.0	6.1
CY-2	5.3	4.3	4.0	2.3	5.3	7.0	6.7	7.0	7.0	6.3	6.0	6.0
PENN A-1	5.3	5.0	3.3	2.3	6.3	7.7	6.7	7.0	7.0	6.0	5.3	6.0
SR 7200	7.0	7.0	5.3	3.7	6.0	7.0	6.3	6.3	6.7	6.3	5.3	6.0
T-1	6.0	6.0	2.7	2.3	6.0	6.7	7.0	7.3	7.0	6.7	5.3	6.0
TYEE (SRX 1GD)	6.0	5.7	3.0	2.0	4.7	6.0	7.0	7.7	8.0	7.0	5.7	6.0
DECLARATION	6.0	6.0	3.3	2.0	5.0	6.3	6.7	7.3	7.0	7.0	5.7	5.9
MACKENZIE (SRX 1GPD)	5.3	6.3	3.3	2.3	4.7	6.0	7.3	7.3	7.3	6.7	5.3	5.9
007 (DSB)	6.0	6.3	3.0	2.3	5.0	6.3	6.3	7.0	7.0	6.7	5.7	5.8
AUTHORITY (235050)	5.7	5.7	3.7	2.3	5.0	6.7	6.3	7.3	7.0	6.7	4.7	5.8
SHARK (23R)	5.7	5.7	3.7	2.3	5.0	6.3	6.7	7.0	7.7	6.7	5.0	5.8
INDEPENDENCE	6.0	5.3	4.0	2.3	4.7	6.3	6.7	7.3	6.7	6.3	5.3	5.7
ALPHA	6.0	5.7	3.7	2.3	5.3	6.7	6.3	6.3	7.0	6.0	5.0	5.6
PENNLINKS II	5.7	5.7	2.7	2.7	6.3	6.7	6.0	6.3	6.3	5.7	5.0	5.6
PENNCROSS	5.0	5.3	4.0	2.7	6.0	6.0	5.7	5.7	6.0	5.7	5.0	5.3
LSD VALUE	0.5	1.4	1.2	1.1	1.3	1.1	1.0	1.2	1.3	1.1	0.8	0.5
C.V. (%)	5.8	13.0	19.4	21.9	12.4	8.5	7.7	8.1	8.1	7.7	8.1	5.1

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 6B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/  
2005 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	WEAR TOLERANCE	QUALITY RATINGS								MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
IS-AP 9	5.7	6.0	3.3	3.3	6.7	7.7	7.0	7.0	7.3	6.0	5.0	6.3
LS-44	5.7	6.3	3.3	3.3	7.0	7.7	7.0	7.3	7.0	6.3	5.0	6.3
KINGPIN (9200)	6.0	6.0	3.7	3.0	6.3	7.0	6.3	7.7	7.3	7.0	5.0	6.2
MEMORIAL (A03-EDI)	5.0	6.3	3.0	3.0	6.7	7.7	6.7	7.3	7.0	6.3	5.0	6.2
13-M	5.0	5.7	2.7	3.0	6.3	7.0	6.7	7.0	7.0	6.7	5.3	6.1
BENCHMARK DSR	6.0	6.0	2.7	3.0	6.0	7.3	6.7	7.0	7.7	6.7	4.7	6.1
BENGAL	5.7	5.7	3.7	3.3	6.0	7.0	6.7	6.7	7.0	6.3	6.0	6.1
CY-2	5.3	4.3	4.0	2.3	5.3	7.0	6.7	7.0	7.0	6.3	6.0	6.0
PENN A-1	5.3	5.0	3.3	2.3	6.3	7.7	6.7	7.0	7.0	6.0	5.3	6.0
T-1	6.0	6.0	2.7	2.3	6.0	6.7	7.0	7.3	7.0	6.7	5.3	6.0
TYEE (SRX 1GD)	6.0	5.7	3.0	2.0	4.7	6.0	7.0	7.7	8.0	7.0	5.7	6.0
DECLARATION	6.0	6.0	3.3	2.0	5.0	6.3	6.7	7.3	7.0	7.0	5.7	5.9
MACKENZIE (SRX 1GPD)	5.3	6.3	3.3	2.3	4.7	6.0	7.3	7.3	7.3	6.7	5.3	5.9
007 (DSB)	6.0	6.3	3.0	2.3	5.0	6.3	6.3	7.0	7.0	6.7	5.7	5.8
AUTHORITY (235050)	5.7	5.7	3.7	2.3	5.0	6.7	6.3	7.3	7.0	6.7	4.7	5.8
SHARK (23R)	5.7	5.7	3.7	2.3	5.0	6.3	6.7	7.0	7.7	6.7	5.0	5.8
INDEPENDENCE	6.0	5.3	4.0	2.3	4.7	6.3	6.7	7.3	6.7	6.3	5.3	5.7
ALPHA	6.0	5.7	3.7	2.3	5.3	6.7	6.3	6.3	7.0	6.0	5.0	5.6
PENNLINKS II	5.7	5.7	2.7	2.7	6.3	6.7	6.0	6.3	6.3	5.7	5.0	5.6
PENNCROSS	5.0	5.3	4.0	2.7	6.0	6.0	5.7	5.7	6.0	5.7	5.0	5.3
LSD VALUE	0.7	2.6	2.1	1.2	1.5	1.1	1.1	1.1	1.3	1.3	0.7	0.7
C.V. (%)	6.6	14.9	22.6	20.7	13.8	8.5	7.4	7.9	8.2	8.4	7.5	5.3

TABLE 6C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/  
2005 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	WEAR TOLERANCE	QUALITY RATINGS								MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
VESPER	7.0	7.7	7.0	4.7	5.7	7.7	7.7	7.3	7.3	6.7	6.3	6.7
LEGENDARY	7.0	7.7	7.3	4.3	6.7	7.3	7.7	6.7	7.7	7.0	5.7	6.6
VENUS (EFD)	7.0	7.3	7.3	4.0	6.3	7.0	7.3	7.7	7.3	7.0	6.3	6.6
VILLA (IS-AC 1)	6.7	7.7	7.7	4.3	6.7	7.0	7.7	7.0	7.7	7.0	5.3	6.6
GREENWICH	7.0	7.3	8.0	4.7	6.3	7.0	7.0	7.0	7.3	7.0	5.7	6.5
SR 7200	7.0	7.0	5.3	3.7	6.0	7.0	6.3	6.3	6.7	6.3	5.3	6.0
LSD VALUE	0.6	1.2	1.0	2.0	1.1	1.3	1.3	1.5	1.3	0.7	1.0	0.6
C.V. (%)	3.4	6.8	7.6	18.9	8.1	7.6	8.6	9.4	7.5	4.6	8.2	4.6

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 7A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN USING REDUCED FUNGICIDES AT FARMINGDALE, NY 1/  
2005 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	LEAF	QUALITY RATINGS							
	TEXTURE	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
13-M	7.0	7.0	7.0	6.7	6.3	5.3	5.0	6.0	6.2
DECLARATION	6.0	6.3	6.3	6.0	6.7	5.7	5.7	6.7	6.2
PENNCROSS	6.3	6.3	6.3	6.3	7.0	6.0	5.3	6.3	6.2
INDEPENDENCE	6.3	6.3	6.3	6.3	6.7	5.7	5.3	6.3	6.1
VENUS (EFD)	6.0	6.0	6.0	6.0	7.0	6.0	5.3	6.3	6.1
ALPHA	6.0	6.0	6.0	6.0	6.7	5.7	5.3	6.3	6.0
AUTHORITY (235050)	6.3	6.3	6.3	6.3	6.3	5.3	5.0	6.0	6.0
GREENWICH	5.7	6.0	6.0	5.7	6.7	5.7	5.3	6.3	6.0
LS-44	6.0	6.0	6.0	6.0	6.7	5.7	5.3	6.3	6.0
PENNLINKS II	6.3	6.3	6.3	6.3	6.7	5.7	5.0	6.0	6.0
T-1	6.3	6.3	6.3	6.3	6.3	5.3	5.0	6.0	6.0
VESPER	6.3	6.3	6.3	6.3	6.3	5.3	5.0	6.0	6.0
007 (DSB)	6.0	6.3	6.3	6.0	6.3	5.3	5.0	6.0	5.9
BENCHMARK DSR	6.0	6.0	6.0	6.0	6.3	5.3	5.3	6.3	5.9
SHARK (23R)	5.7	6.0	6.0	5.7	6.3	5.3	5.3	6.3	5.9
SR 7200	6.0	6.0	6.0	6.0	6.7	5.7	5.0	6.0	5.9
BENGAL	6.0	6.0	6.0	6.0	6.3	5.3	5.0	6.0	5.8
CY-2	6.0	6.0	6.0	6.0	6.3	5.3	5.0	6.0	5.8
MACKENZIE (SRX 1GPD)	5.7	6.0	6.0	5.7	6.3	5.3	5.0	6.0	5.8
MEMORIAL (A03-EDI)	5.3	6.0	6.0	5.3	6.3	5.3	5.3	6.3	5.8
PENN A-1	5.7	6.0	6.0	5.7	6.3	5.7	5.0	6.0	5.8
VILLA (IS-AC 1)	5.7	6.0	6.0	5.7	6.3	5.3	5.0	6.0	5.8
IS-AP 9	6.0	6.0	6.0	6.0	6.0	5.0	5.0	6.0	5.7
KINGPIN (9200)	6.0	6.0	6.0	6.0	6.0	5.0	5.0	6.0	5.7
LEGENDARY	6.0	6.0	6.0	6.0	6.0	5.0	5.0	6.0	5.7
TYEE (SRX 1GD)	6.0	6.0	6.0	6.0	6.0	5.0	5.0	6.0	5.7
LSD VALUE	1.4	1.1	1.1	1.4	1.9	1.6	1.5	1.5	0.9
C.V. (%)	8.4	6.1	6.1	7.9	8.3	9.2	7.9	6.6	4.8

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

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

TABLE 7B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN USING REDUCED FUNGICIDES AT FARMINGDALE, NY 1/  
2005 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	LEAF TEXTURE	QUALITY RATINGS							MEAN
		MAY	JUN	JUL	AUG	SEP	OCT	NOV	
13-M	7.0	7.0	7.0	6.7	6.3	5.3	5.0	6.0	6.2
DECLARATION	6.0	6.3	6.3	6.0	6.7	5.7	5.7	6.7	6.2
PENNGROSS	6.3	6.3	6.3	6.3	7.0	6.0	5.3	6.3	6.2
INDEPENDENCE	6.3	6.3	6.3	6.3	6.7	5.7	5.3	6.3	6.1
ALPHA	6.0	6.0	6.0	6.0	6.7	5.7	5.3	6.3	6.0
AUTHORITY (235050)	6.3	6.3	6.3	6.3	6.3	5.3	5.0	6.0	6.0
LS-44	6.0	6.0	6.0	6.0	6.7	5.7	5.3	6.3	6.0
PENNLINKS II	6.3	6.3	6.3	6.3	6.7	5.7	5.0	6.0	6.0
T-1	6.3	6.3	6.3	6.3	6.3	5.3	5.0	6.0	6.0
007 (DSB)	6.0	6.3	6.3	6.0	6.3	5.3	5.0	6.0	5.9
BENCHMARK DSR	6.0	6.0	6.0	6.0	6.3	5.3	5.3	6.3	5.9
SHARK (23R)	5.7	6.0	6.0	5.7	6.3	5.3	5.3	6.3	5.9
BENGAL	6.0	6.0	6.0	6.0	6.3	5.3	5.0	6.0	5.8
CY-2	6.0	6.0	6.0	6.0	6.3	5.3	5.0	6.0	5.8
MACKENZIE (SRX 1GPD)	5.7	6.0	6.0	5.7	6.3	5.3	5.0	6.0	5.8
MEMORIAL (A03-EDI)	5.3	6.0	6.0	5.3	6.3	5.3	5.3	6.3	5.8
PENN A-1	5.7	6.0	6.0	5.7	6.3	5.7	5.0	6.0	5.8
IS-AP 9	6.0	6.0	6.0	6.0	6.0	5.0	5.0	6.0	5.7
KINGPIN (9200)	6.0	6.0	6.0	6.0	6.0	5.0	5.0	6.0	5.7
TYEE (SRX 1GD)	6.0	6.0	6.0	6.0	6.0	5.0	5.0	6.0	5.7
LSD VALUE	1.4	1.1	1.1	1.4	1.8	1.6	1.4	1.4	0.9
C.V. (%)	8.8	6.5	6.5	8.2	8.4	9.2	8.1	6.8	5.1

TABLE 7C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN USING REDUCED FUNGICIDES AT FARMINGDALE, NY 1/  
2005 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	LEAF TEXTURE	QUALITY RATINGS							MEAN
		MAY	JUN	JUL	AUG	SEP	OCT	NOV	
VENUS (EFD)	6.0	6.0	6.0	6.0	7.0	6.0	5.3	6.3	6.1
GREENWICH	5.7	6.0	6.0	5.7	6.7	5.7	5.3	6.3	6.0
VESPER	6.3	6.3	6.3	6.3	6.3	5.3	5.0	6.0	6.0
SR 7200	6.0	6.0	6.0	6.0	6.7	5.7	5.0	6.0	5.9
VILLA (IS-AC 1)	5.7	6.0	6.0	5.7	6.3	5.3	5.0	6.0	5.8
LEGENDARY	6.0	6.0	6.0	6.0	6.0	5.0	5.0	6.0	5.7
LSD VALUE	1.0	0.6	0.6	1.0	1.1	1.1	0.8	0.8	0.5
C.V. (%)	7.3	3.9	3.9	7.3	7.4	8.8	6.8	5.7	3.9

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 8A.

GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	IA1	IL1	IN1	KY1	ME1	MI1	MN1	NE1	NJ1	NM1	OK1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
T-1	8.0	8.0	7.7	9.0	9.0	6.3	7.3	6.3	8.0	8.3	7.0	9.0	9.0	8.0	7.7	7.0	8.0	7.0	9.0	7.9
IS-AP 9	6.3	7.7	6.7	8.7	8.0	6.0	7.0	8.0	7.3	6.3	6.0	8.3	8.3	8.0	7.7	6.3	6.3	7.0	7.0	7.2
LS-44	6.3	7.7	5.7	9.0	8.0	6.0	6.7	7.3	7.3	6.3	7.0	8.0	8.7	7.3	7.0	6.3	7.0	7.0	8.0	7.2
BENCHMARK DSR	6.3	7.3	6.0	8.3	7.7	6.7	7.0	5.3	7.7	6.3	7.0	8.0	7.7	8.0	7.0	7.3	7.7	7.0	8.0	7.2
INDEPENDENCE	7.7	7.7	5.7	8.0	7.3	6.3	6.7	5.7	8.0	6.3	7.0	8.0	8.3	7.7	6.7	6.7	6.7	7.0	7.7	7.1
KINGPIN (9200)	6.7	7.7	5.7	7.7	6.3	6.7	7.0	5.0	8.0	6.7	6.7	8.3	8.0	8.0	7.0	6.3	7.7	7.0	8.3	7.1
ALPHA	6.3	7.3	6.3	8.0	7.3	6.0	6.7	6.3	7.3	6.7	6.3	7.0	8.0	7.7	7.0	5.7	7.3	7.0	9.0	7.0
PENN A-1	6.3	7.3	5.3	9.0	7.7	6.0	6.7	6.3	7.7	4.7	6.0	8.3	8.0	7.3	6.0	7.3	6.3	7.0	7.0	6.9
TYEE (SRX 1GD)	6.7	8.0	6.0	7.7	7.0	6.0	6.3	5.7	6.7	6.0	6.0	7.3	8.3	7.7	6.7	6.7	6.3	7.0	7.3	6.8
BENGAL	7.0	7.7	5.0	8.0	7.3	6.3	6.3	5.3	7.0	5.3	6.0	8.0	8.7	7.7	6.3	6.0	6.0	7.0	7.7	6.8
PENNLINKS II	6.0	6.7	5.7	8.3	6.0	6.0	6.0	7.0	7.3	5.3	7.0	7.0	8.3	8.0	7.0	6.0	6.0	7.0	8.0	6.8
AUTHORITY (235050)	6.0	7.3	5.7	8.3	7.7	6.0	6.0	4.3	7.3	5.7	6.7	7.7	9.0	7.7	6.3	6.7	6.7	7.0	6.3	6.8
DECLARATION	6.0	7.7	5.7	8.3	7.7	6.3	7.0	4.7	7.3	5.3	6.7	7.3	8.0	7.0	6.0	7.0	6.7	7.0	6.7	6.8
007 (DSB)	7.0	7.7	5.0	8.0	7.7	6.3	7.0	5.3	7.7	5.3	5.7	8.0	8.3	7.3	6.0	6.0	6.7	7.0	6.0	6.7
MEMORIAL (A03-EDI)	6.3	7.3	5.0	8.0	7.3	6.0	6.7	6.3	7.3	4.3	6.3	8.0	7.0	7.0	6.0	6.7	6.0	7.0	7.3	6.6
13-M	6.3	7.3	4.7	7.3	7.3	6.0	6.0	5.3	7.3	4.7	7.0	7.3	7.7	7.7	6.3	6.7	5.7	7.0	7.0	6.6
PENNCROSS	6.0	7.3	6.0	8.3	5.0	6.7	6.0	7.3	7.0	4.0	6.0	6.7	7.7	7.3	7.0	5.7	5.3	7.0	7.3	6.5
SHARK (23R)	5.7	8.3	5.3	8.3	7.7	6.0	6.7	4.7	5.0	4.7	5.0	8.0	8.3	7.7	6.3	5.7	6.3	7.0	6.3	6.5
CY-2	5.7	7.7	5.7	7.7	7.0	6.0	6.3	4.0	7.3	4.7	6.0	6.3	7.3	7.3	6.3	6.7	6.0	7.0	6.0	6.4
MACKENZIE (SRX 1GPD)	5.7	7.7	4.7	7.7	7.0	6.0	6.7	5.0	7.0	5.3	6.0	6.0	7.7	7.3	6.0	6.0	5.3	7.0	5.3	6.3
SR 7200	6.3	6.7	4.0	7.0	7.3	6.0	8.0	2.0	3.0	4.0	5.0	6.0	5.7	7.0	5.7	7.0	5.0	4.0	6.3	5.6
VENUS (EFD)	6.3	6.3	5.0	7.0	8.3	6.0	8.0	2.0	3.0	4.0	3.7	6.3	6.0	7.3	5.0	6.0	5.0	4.0	5.3	5.5
VESPER	6.3	6.3	6.0	7.0	7.7	6.0	8.0	2.0	1.0	4.7	4.0	6.3	6.0	7.0	5.7	6.0	5.3	4.0	5.3	5.5
GREENWICH	6.0	6.3	4.0	7.0	8.7	6.0	8.0	2.0	1.0	4.7	5.0	5.0	6.0	7.3	6.0	5.7	5.0	4.0	5.0	5.4
VILLA (IS-AC 1)	6.3	6.3	4.3	7.0	7.3	6.0	8.0	2.0	1.0	4.3	5.3	5.0	6.0	7.0	5.0	6.0	4.7	4.3	5.3	5.3
LEGENDARY	6.7	6.3	4.3	6.7	7.0	6.3	8.0	2.0	1.0	4.7	4.0	5.7	6.0	7.0	5.7	6.3	5.0	4.0	4.3	5.3
LSD VALUE	0.9	1.0	1.0	0.9	1.3	0.7	0.7	0.9	2.1	1.3	1.4	0.9	0.8	0.7	0.6	0.9	1.1	0.2	1.3	0.2
C.V. (%)	9.2	8.5	11.6	6.7	10.8	7.1	6.1	12.0	21.3	14.9	14.3	7.7	6.1	5.9	6.2	8.3	10.7	1.8	11.9	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 8B.

GENETIC COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	IA1	IL1	IN1	KY1	ME1	MI1	MN1	NE1	NJ1	NM1	OK1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
T-1	8.0	8.0	7.7	9.0	9.0	6.3	7.3	6.3	8.0	8.3	7.0	9.0	9.0	8.0	7.7	7.0	8.0	7	9.0	7.9
IS-AP 9	6.3	7.7	6.7	8.7	8.0	6.0	7.0	8.0	7.3	6.3	6.0	8.3	8.3	8.0	7.7	6.3	6.3	7	7.0	7.2
LS-44	6.3	7.7	5.7	9.0	8.0	6.0	6.7	7.3	7.3	6.3	7.0	8.0	8.7	7.3	7.0	6.3	7.0	7	8.0	7.2
BENCHMARK DSR	6.3	7.3	6.0	8.3	7.7	6.7	7.0	5.3	7.7	6.3	7.0	8.0	7.7	8.0	7.0	7.3	7.7	7	8.0	7.2
INDEPENDENCE	7.7	7.7	5.7	8.0	7.3	6.3	6.7	5.7	8.0	6.3	7.0	8.0	8.3	7.7	6.7	6.7	6.7	7	7.7	7.1
KINGPIN (9200)	6.7	7.7	5.7	7.7	6.3	6.7	7.0	5.0	8.0	6.7	6.7	8.3	8.0	8.0	7.0	6.3	7.7	7	8.3	7.1
ALPHA	6.3	7.3	6.3	8.0	7.3	6.0	6.7	6.3	7.3	6.7	6.3	7.0	8.0	7.7	7.0	5.7	7.3	7	9.0	7.0
PENN A-1	6.3	7.3	5.3	9.0	7.7	6.0	6.7	6.3	7.7	4.7	6.0	8.3	8.0	7.3	6.0	7.3	6.3	7	7.0	6.9
TYEE (SRX 1GD)	6.7	8.0	6.0	7.7	7.0	6.0	6.3	5.7	6.7	6.0	6.0	7.3	8.3	7.7	6.7	6.7	6.3	7	7.3	6.8
BENGAL	7.0	7.7	5.0	8.0	7.3	6.3	6.3	5.3	7.0	5.3	6.0	8.0	8.7	7.7	6.3	6.0	6.0	7	7.7	6.8
PENNLINKS II	6.0	6.7	5.7	8.3	6.0	6.0	6.0	7.0	7.3	5.3	7.0	7.0	8.3	8.0	7.0	6.0	6.0	7	8.0	6.8
AUTHORITY (235050)	6.0	7.3	5.7	8.3	7.7	6.0	6.0	4.3	7.3	5.7	6.7	7.7	9.0	7.7	6.3	6.7	6.7	7	6.3	6.8
DECLARATION	6.0	7.7	5.7	8.3	7.7	6.3	7.0	4.7	7.3	5.3	6.7	7.3	8.0	7.0	6.0	7.0	6.7	7	6.7	6.8
007 (DSB)	7.0	7.7	5.0	8.0	7.7	6.3	7.0	5.3	7.7	5.3	5.7	8.0	8.3	7.3	6.0	6.0	6.7	7	6.0	6.7
MEMORIAL (A03-EDI)	6.3	7.3	5.0	8.0	7.3	6.0	6.7	6.3	7.3	4.3	6.3	8.0	7.0	7.0	6.0	6.7	6.0	7	7.3	6.6
13-M	6.3	7.3	4.7	7.3	7.3	6.0	6.0	5.3	7.3	4.7	7.0	7.3	7.7	7.7	6.3	6.7	5.7	7	7.0	6.6
PENNCROSS	6.0	7.3	6.0	8.3	5.0	6.7	6.0	7.3	7.0	4.0	6.0	6.7	7.7	7.3	7.0	5.7	5.3	7	7.3	6.5
SHARK (23R)	5.7	8.3	5.3	8.3	7.7	6.0	6.7	4.7	5.0	4.7	5.0	8.0	8.3	7.7	6.3	5.7	6.3	7	6.3	6.5
CY-2	5.7	7.7	5.7	7.7	7.0	6.0	6.3	4.0	7.3	4.7	6.0	6.3	7.3	7.3	6.3	6.7	6.0	7	6.0	6.4
MACKENZIE (SRX 1GPD)	5.7	7.7	4.7	7.7	7.0	6.0	6.7	5.0	7.0	5.3	6.0	6.0	7.7	7.3	6.0	6.0	5.3	7	5.3	6.3
LSD VALUE	0.9	1.0	0.9	1.0	1.0	0.8	0.8	1.1	1.5	1.3	1.4	0.7	0.8	0.7	0.6	0.9	1.0	0	1.3	0.2
C.V. (%)	8.8	8.4	10.2	7.2	8.1	7.8	7.3	11.6	13.1	14.4	14.0	5.9	6.4	6.1	5.9	9.0	9.5	0	10.8	9.0

TABLE 8C.

GENETIC COLOR RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	IA1	IL1	IN1	KY1	ME1	MI1	MN1	NE1	NJ1	NM1	OK1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
SR 7200	6.3	6.7	4.0	7.0	7.3	6.0	8	2	3.0	4.0	5.0	6.0	5.7	7.0	5.7	7.0	5.0	4.0	6.3	5.6
VENUS (EFD)	6.3	6.3	5.0	7.0	8.3	6.0	8	2	3.0	4.0	3.7	6.3	6.0	7.3	5.0	6.0	5.0	4.0	5.3	5.5
VESPER	6.3	6.3	6.0	7.0	7.7	6.0	8	2	1.0	4.7	4.0	6.3	6.0	7.0	5.7	6.0	5.3	4.0	5.3	5.5
GREENWICH	6.0	6.3	4.0	7.0	8.7	6.0	8	2	1.0	4.7	5.0	5.0	6.0	7.3	6.0	5.7	5.0	4.0	5.0	5.4
VILLA (IS-AC 1)	6.3	6.3	4.3	7.0	7.3	6.0	8	2	1.0	4.3	5.3	5.0	6.0	7.0	5.0	6.0	4.7	4.3	5.3	5.3
LEGENDARY	6.7	6.3	4.3	6.7	7.0	6.3	8	2	1.0	4.7	4.0	5.7	6.0	7.0	5.7	6.3	5.0	4.0	4.3	5.3
LSD VALUE	1.1	0.9	1.3	0.4	2.0	0.4	0	0	3.2	1.2	1.1	1.3	0.4	0.5	0.7	0.5	1.3	0.4	1.4	0.3
C.V. (%)	10.5	9.0	17.0	3.4	16.4	3.9	0	0	120.0	17.0	14.8	14.3	4.0	4.7	7.4	5.4	15.6	5.8	16.7	13.8

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

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

TABLE 9A.

SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	IA1	MI1	MN1	NC1	NE1	NJ1	NM1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
LEGENDARY	7.3	5.0	7.0	7.7	8.0	6.0	4.0	2.7	7.0	8.7	5.3	7.0	8.7	7.7	5.0	6.5
007 (DSB)	6.7	7.0	7.0	6.7	6.0	4.3	5.7	2.3	8.0	8.3	7.3	7.0	7.0	6.7	6.0	6.4
VILLA (IS-AC 1)	6.3	5.7	6.7	6.7	7.3	4.7	5.0	4.0	7.7	7.7	6.0	7.0	7.7	8.0	4.7	6.3
VENUS (EFD)	7.0	4.7	7.0	6.3	8.0	5.3	4.0	3.3	7.0	7.7	5.0	7.0	8.3	8.0	6.0	6.3
VESPER	7.0	4.3	6.7	6.7	8.0	6.0	3.0	2.7	7.0	8.0	5.0	7.3	8.3	9.0	5.7	6.3
SR 7200	6.3	5.0	6.7	6.7	8.0	5.7	4.0	4.0	6.0	8.0	5.0	7.0	8.3	7.3	6.0	6.3
TYEE (SRX 1GD)	7.3	7.0	6.7	5.7	6.0	4.7	5.0	3.0	7.3	7.3	6.0	7.3	6.7	6.0	7.0	6.2
KINGPIN (9200)	7.7	6.3	7.0	5.0	6.0	6.0	5.0	3.0	7.0	7.7	7.0	7.3	6.3	6.3	4.7	6.2
GREENWICH	6.7	4.3	6.7	6.3	8.0	6.0	2.0	2.7	7.0	7.3	5.0	7.0	9.0	8.7	5.0	6.1
INDEPENDENCE	7.0	6.0	7.0	7.0	6.0	4.3	6.0	2.0	6.3	7.7	6.7	7.0	5.3	6.7	6.3	6.1
T-1	7.7	7.0	6.3	6.7	6.0	5.3	3.0	3.7	6.3	7.3	6.3	7.7	5.3	6.7	5.7	6.1
ALPHA	6.3	7.0	6.7	7.3	5.3	5.7	2.3	3.7	6.3	6.7	6.7	7.0	5.0	7.3	7.7	6.1
BENCHMARK DSR	6.3	7.3	7.0	6.3	6.7	4.3	5.0	3.3	6.7	6.3	7.3	6.7	6.0	6.7	4.7	6.0
DECLARATION	6.3	7.7	7.0	6.7	5.0	4.7	7.0	2.0	6.0	6.3	7.7	7.0	5.7	4.7	6.7	6.0
LS-44	6.7	5.7	7.0	7.3	6.0	4.7	4.0	4.3	5.7	7.0	7.0	7.7	5.7	6.7	5.0	6.0
IS-AP 9	6.7	7.3	6.3	4.7	6.0	5.3	4.3	3.7	6.3	6.0	6.3	7.3	5.3	8.0	6.7	6.0
MEMORIAL (A03-EDI)	6.0	7.0	6.7	5.3	5.0	4.0	5.3	3.3	7.0	7.3	7.3	7.0	4.3	6.0	6.7	5.9
BENGAL	6.7	7.3	6.7	4.3	6.0	5.3	3.3	4.3	6.0	7.0	6.3	7.0	5.3	6.7	5.7	5.9
SHARK (23R)	5.3	7.0	6.0	5.0	6.0	2.3	5.0	3.3	8.0	6.3	7.3	7.0	6.3	6.7	5.3	5.8
AUTHORITY (235050)	6.7	7.3	6.7	4.7	5.0	3.0	6.0	3.3	7.7	6.7	6.7	6.3	5.7	5.7	5.3	5.8
MACKENZIE (SRX 1GPD)	5.3	6.3	6.3	5.7	5.0	3.3	5.3	2.7	7.7	6.3	6.7	7.3	6.7	6.0	6.0	5.8
CY-2	5.7	7.7	6.3	4.7	5.0	4.0	4.0	3.0	6.0	7.0	7.0	6.7	6.0	5.7	7.0	5.7
PENN A-1	7.0	6.7	6.7	6.3	7.0	2.7	4.0	3.0	6.3	6.3	6.0	6.7	5.3	7.3	4.3	5.7
13-M	6.3	7.0	6.3	6.0	6.0	2.0	3.7	2.7	6.0	7.0	6.7	7.0	5.7	5.3	6.7	5.6
PENNCROSS	6.0	5.3	6.7	5.0	5.3	2.3	1.7	4.3	4.3	8.0	6.3	7.0	3.7	7.3	7.7	5.4
PENNLINKS II	7.0	5.3	6.3	4.7	5.0	4.0	2.3	2.3	5.0	8.0	6.3	7.0	4.3	7.0	6.0	5.4
LSD VALUE	1.4	1.9	0.8	2.1	0.5	2.0	1.9	1.6	0.9	1.4	0.9	0.8	1.4	1.2	2.1	0.4
C.V. (%)	12.7	18.7	7.0	21.8	4.8	27.7	27.8	30.8	8.4	12.3	8.8	6.6	13.7	11.1	21.6	15.3

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

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

TABLE 9B.

SPRING GREENUP RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

NAME	SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/															
	AZ1	IA1	MI1	MN1	NC1	NE1	NJ1	NM1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
O07 (DSB)	6.7	7.0	7.0	6.7	6.0	4.3	5.7	2.3	8.0	8.3	7.3	7.0	7.0	6.7	6.0	6.4
TYEE (SRX 1GD)	7.3	7.0	6.7	5.7	6.0	4.7	5.0	3.0	7.3	7.3	6.0	7.3	6.7	6.0	7.0	6.2
KINGPIN (9200)	7.7	6.3	7.0	5.0	6.0	6.0	5.0	3.0	7.0	7.7	7.0	7.3	6.3	6.3	4.7	6.2
INDEPENDENCE	7.0	6.0	7.0	7.0	6.0	4.3	6.0	2.0	6.3	7.7	6.7	7.0	5.3	6.7	6.3	6.1
T-1	7.7	7.0	6.3	6.7	6.0	5.3	3.0	3.7	6.3	7.3	6.3	7.7	5.3	6.7	5.7	6.1
ALPHA	6.3	7.0	6.7	7.3	5.3	5.7	2.3	3.7	6.3	6.7	6.7	7.0	5.0	7.3	7.7	6.1
BENCHMARK DSR	6.3	7.3	7.0	6.3	6.7	4.3	5.0	3.3	6.7	6.3	7.3	6.7	6.0	6.7	4.7	6.0
DECLARATION	6.3	7.7	7.0	6.7	5.0	4.7	7.0	2.0	6.0	6.3	7.7	7.0	5.7	4.7	6.7	6.0
LS-44	6.7	5.7	7.0	7.3	6.0	4.7	4.0	4.3	5.7	7.0	7.0	7.7	5.7	6.7	5.0	6.0
IS-AP 9	6.7	7.3	6.3	4.7	6.0	5.3	4.3	3.7	6.3	6.0	6.3	7.3	5.3	8.0	6.7	6.0
MEMORIAL (A03-EDI)	6.0	7.0	6.7	5.3	5.0	4.0	5.3	3.3	7.0	7.3	7.3	7.0	4.3	6.0	6.7	5.9
BENGAL	6.7	7.3	6.7	4.3	6.0	5.3	3.3	4.3	6.0	7.0	6.3	7.0	5.3	6.7	5.7	5.9
SHARK (23R)	5.3	7.0	6.0	5.0	6.0	2.3	5.0	3.3	8.0	6.3	7.3	7.0	6.3	6.7	5.3	5.8
AUTHORITY (235050)	6.7	7.3	6.7	4.7	5.0	3.0	6.0	3.3	7.7	6.7	6.7	6.3	5.7	5.7	5.3	5.8
MACKENZIE (SRX 1GPD)	5.3	6.3	6.3	5.7	5.0	3.3	5.3	2.7	7.7	6.3	6.7	7.3	6.7	6.0	6.0	5.8
CY-2	5.7	7.7	6.3	4.7	5.0	4.0	4.0	3.0	6.0	7.0	7.0	6.7	6.0	5.7	7.0	5.7
PENN A-1	7.0	6.7	6.7	6.3	7.0	2.7	4.0	3.0	6.3	6.3	6.0	6.7	5.3	7.3	4.3	5.7
13-M	6.3	7.0	6.3	6.0	6.0	2.0	3.7	2.7	6.0	7.0	6.7	7.0	5.7	5.3	6.7	5.6
PENNCROSS	6.0	5.3	6.7	5.0	5.3	2.3	1.7	4.3	4.3	8.0	6.3	7.0	3.7	7.3	7.7	5.4
PENNLINKS II	7.0	5.3	6.3	4.7	5.0	4.0	2.3	2.3	5.0	8.0	6.3	7.0	4.3	7.0	6.0	5.4
LSD VALUE	1.3	1.9	0.7	2.1	0.5	1.9	2.0	1.7	0.7	1.5	1.0	0.8	1.5	1.1	2.2	0.4
C.V. (%)	12.8	17.2	7.0	22.3	5.5	29.1	27.8	34.4	6.6	12.8	8.8	7.3	16.7	10.9	23.0	15.8

TABLE 9C.

SPRING GREENUP RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

NAME	SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/															
	AZ1	IA1	MI1	MN1	NC1	NE1	NJ1	NM1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
LEGENDARY	7.3	5.0	7.0	7.7	8.0	6.0	4.0	2.7	7.0	8.7	5.3	7.0	8.7	7.7	5.0	6.5
VILLA (IS-AC 1)	6.3	5.7	6.7	6.7	7.3	4.7	5.0	4.0	7.7	7.7	6.0	7.0	7.7	8.0	4.7	6.3
VENUS (EFD)	7.0	4.7	7.0	6.3	8.0	5.3	4.0	3.3	7.0	7.7	5.0	7.0	8.3	8.0	6.0	6.3
VESPER	7.0	4.3	6.7	6.7	8.0	6.0	3.0	2.7	7.0	8.0	5.0	7.3	8.3	9.0	5.7	6.3
SR 7200	6.3	5.0	6.7	6.7	8.0	5.7	4.0	4.0	6.0	8.0	5.0	7.0	8.3	7.3	6.0	6.3
GREENWICH	6.7	4.3	6.7	6.3	8.0	6.0	2.0	2.7	7.0	7.3	5.0	7.0	9.0	8.7	5.0	6.1
LSD VALUE	1.4	2.0	0.8	2.2	0.4	2.2	1.6	0.8	1.4	1.4	0.8	0.4	0.8	1.5	1.3	0.4
C.V. (%)	12.5	25.8	7.0	20.1	3.0	24.1	27.3	14.6	12.2	10.8	9.0	3.3	6.3	11.3	14.5	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 10A.

LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	IA1	IN1	KY1	ME1	MI1	NC1	NJ1	OK1	QE1	TX1	MEAN
VILLA (IS-AC 1)	7.7	7.7	9.0	4.3	8.3	7.0	9.0	9.0	9.0	8.0	7.3	7.8
LEGENDARY	7.3	8.0	9.0	4.7	8.7	7.0	9.0	9.0	9.0	7.7	6.7	7.8
GREENWICH	7.0	8.0	9.0	4.7	8.3	7.0	9.0	9.0	9.0	7.3	7.0	7.8
VENUS (EFD)	7.3	8.0	8.7	4.3	8.3	7.0	9.0	9.0	9.0	7.7	7.0	7.8
AUTHORITY (235050)	8.3	8.0	8.0	7.7	6.7	6.0	8.0	8.0	7.7	8.0	8.0	7.7
VESPER	7.0	8.0	9.0	4.0	8.0	6.7	9.0	9.0	9.0	7.3	6.7	7.6
007 (DSB)	8.3	7.0	8.0	8.0	5.7	6.3	8.0	8.0	7.7	7.3	8.0	7.5
SR 7200	6.7	6.7	9.0	4.0	8.0	6.7	9.0	9.0	9.0	7.7	6.3	7.5
PENN A-1	8.3	7.3	7.3	7.0	7.7	6.0	8.0	7.7	8.0	7.3	7.0	7.4
TYEE (SRX 1GD)	7.3	7.0	8.0	8.3	6.7	5.7	8.0	8.0	8.3	7.3	7.0	7.4
MACKENZIE (SRX 1GPD)	7.3	7.3	8.0	7.7	6.7	6.3	8.0	8.0	7.7	7.0	7.3	7.4
SHARK (23R)	8.3	7.3	7.7	7.0	6.3	6.3	8.0	8.0	8.0	7.3	5.3	7.2
DECLARATION	6.7	7.3	7.7	7.3	6.3	6.0	8.0	7.0	8.0	7.3	7.7	7.2
IS-AP 9	8.3	7.0	8.0	6.7	6.7	5.3	8.0	7.3	7.0	7.0	7.3	7.2
T-1	6.7	7.3	8.0	7.0	6.3	6.0	8.0	6.7	7.7	7.3	7.3	7.1
INDEPENDENCE	7.7	6.7	7.3	6.0	6.3	6.0	8.0	7.7	7.7	7.0	7.7	7.1
CY-2	8.0	6.7	7.0	6.7	7.3	5.3	8.0	7.0	7.3	7.0	7.0	7.0
BENGAL	8.3	7.0	7.3	6.0	7.7	6.0	8.0	5.7	7.3	6.7	7.3	7.0
BENCHMARK DSR	7.3	6.3	7.3	6.7	6.0	5.3	8.0	6.7	8.0	7.0	7.0	6.9
KINGPIN (9200)	6.3	6.0	7.3	7.3	7.0	6.0	7.7	6.0	7.3	7.3	7.0	6.8
ALPHA	7.7	6.7	7.3	6.0	7.0	6.0	8.0	5.3	6.7	7.0	6.7	6.8
13-M	7.3	6.3	7.3	6.7	6.3	6.0	8.0	5.3	7.0	6.7	6.7	6.7
MEMORIAL (A03-EDI)	7.3	6.0	6.7	6.3	6.0	6.0	8.0	4.7	7.3	7.7	7.3	6.7
LS-44	7.7	6.3	7.3	6.0	6.3	4.7	8.0	5.7	7.7	7.3	6.3	6.7
PENNLINKS II	7.3	6.3	5.7	5.0	6.3	4.0	7.0	3.3	6.3	6.7	6.3	5.8
PENNCROSS	6.3	5.7	5.3	4.0	6.0	4.0	7.0	1.7	5.7	6.7	5.7	5.3
LSD VALUE	1.3	0.9	0.8	1.1	1.5	1.1	0.4	1.5	0.8	0.8	1.9	0.4
C.V. (%)	11.0	8.4	6.1	10.9	13.3	11.6	2.8	13.2	6.5	7.2	17.3	10.3

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 10B.

LEAF TEXTURE RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	IA1	IN1	KY1	ME1	MI1	NC1	NJ1	OK1	QE1	TX1	MEAN
AUTHORITY (235050)	8.3	8.0	8.0	7.7	6.7	6.0	8.0	8.0	7.7	8.0	8.0	7.7
007 (DSB)	8.3	7.0	8.0	8.0	5.7	6.3	8.0	8.0	7.7	7.3	8.0	7.5
PENN A-1	8.3	7.3	7.3	7.0	7.7	6.0	8.0	7.7	8.0	7.3	7.0	7.4
TYEE (SRX 1GD)	7.3	7.0	8.0	8.3	6.7	5.7	8.0	8.0	8.3	7.3	7.0	7.4
MACKENZIE (SRX 1GPD)	7.3	7.3	8.0	7.7	6.7	6.3	8.0	8.0	7.7	7.0	7.3	7.4
SHARK (23R)	8.3	7.3	7.7	7.0	6.3	6.3	8.0	8.0	8.0	7.3	5.3	7.2
DECLARATION	6.7	7.3	7.7	7.3	6.3	6.0	8.0	7.0	8.0	7.3	7.7	7.2
IS-AP 9	8.3	7.0	8.0	6.7	6.7	5.3	8.0	7.3	7.0	7.0	7.3	7.2
T-1	6.7	7.3	8.0	7.0	6.3	6.0	8.0	6.7	7.7	7.3	7.3	7.1
INDEPENDENCE	7.7	6.7	7.3	6.0	6.3	6.0	8.0	7.7	7.7	7.0	7.7	7.1
CY-2	8.0	6.7	7.0	6.7	7.3	5.3	8.0	7.0	7.3	7.0	7.0	7.0
BENGAL	8.3	7.0	7.3	6.0	7.7	6.0	8.0	5.7	7.3	6.7	7.3	7.0
BENCHMARK DSR	7.3	6.3	7.3	6.7	6.0	5.3	8.0	6.7	8.0	7.0	7.0	6.9
KINGPIN (9200)	6.3	6.0	7.3	7.3	7.0	6.0	7.7	6.0	7.3	7.3	7.0	6.8
ALPHA	7.7	6.7	7.3	6.0	7.0	6.0	8.0	5.3	6.7	7.0	6.7	6.8
13-M	7.3	6.3	7.3	6.7	6.3	6.0	8.0	5.3	7.0	6.7	6.7	6.7
MEMORIAL (A03-EDI)	7.3	6.0	6.7	6.3	6.0	6.0	8.0	4.7	7.3	7.7	7.3	6.7
LS-44	7.7	6.3	7.3	6.0	6.3	4.7	8.0	5.7	7.7	7.3	6.3	6.7
PENNLINKS II	7.3	6.3	5.7	5.0	6.3	4.0	7.0	3.3	6.3	6.7	6.3	5.8
PENNCROSS	6.3	5.7	5.3	4.0	6.0	4.0	7.0	1.7	5.7	6.7	5.7	5.3
LSD VALUE	1.4	1.0	0.8	1.2	1.6	1.2	0.4	1.7	0.9	0.8	2.0	0.4
C.V. (%)	11.6	9.5	7.0	10.8	15.6	13.5	3.3	16.4	7.8	7.2	18.2	11.5

TABLE 10C.

LEAF TEXTURE RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	IA1	IN1	KY1	ME1	MI1	NC1	NJ1	OK1	QE1	TX1	MEAN
VILLA (IS-AC 1)	7.7	7.7	9.0	4.3	8.3	7.0	9	9	9	8.0	7.3	7.8
LEGENDARY	7.3	8.0	9.0	4.7	8.7	7.0	9	9	9	7.7	6.7	7.8
GREENWICH	7.0	8.0	9.0	4.7	8.3	7.0	9	9	9	7.3	7.0	7.8
VENUS (EFD)	7.3	8.0	8.7	4.3	8.3	7.0	9	9	9	7.7	7.0	7.8
VESPER	7.0	8.0	9.0	4.0	8.0	6.7	9	9	9	7.3	6.7	7.6
SR 7200	6.7	6.7	9.0	4.0	8.0	6.7	9	9	9	7.7	6.3	7.5
LSD VALUE	1.0	0.5	0.4	0.8	0.8	0.5	0	0	0	0.8	1.5	0.2
C.V. (%)	8.7	4.3	2.6	10.9	5.7	4.8	0	0	0	6.9	13.8	5.9

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

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

TABLE 11A. SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	MI1	NE1	QE1	TX1	MEAN
MEMORIAL (A03-EDI)	8.3	6.0	9.0	9.0	6.7	7.8
BENGAL	8.3	6.0	8.7	9.0	6.0	7.6
SHARK (23R)	8.3	6.0	9.0	8.7	6.0	7.6
PENN A-1	8.3	6.0	9.0	9.0	5.3	7.5
007 (DSB)	8.3	6.0	8.7	9.0	5.7	7.5
T-1	8.0	6.0	9.0	9.0	5.7	7.5
AUTHORITY (235050)	8.7	6.0	8.3	9.0	5.3	7.5
IS-AP 9	9.0	4.7	9.0	9.0	5.7	7.5
LS-44	8.3	5.3	9.0	9.0	5.7	7.5
BENCHMARK DSR	7.3	6.0	9.0	9.0	6.0	7.5
13-M	7.0	6.0	9.0	8.7	6.3	7.4
ALPHA	7.3	6.0	9.0	9.0	5.7	7.4
INDEPENDENCE	8.0	5.3	8.7	9.0	5.7	7.3
MACKENZIE (SRX 1GPD)	6.3	6.3	9.0	9.0	6.0	7.3
TYEE (SRX 1GD)	7.3	5.3	8.7	9.0	6.3	7.3
PENNLINKS II	8.3	4.0	8.3	9.0	6.7	7.3
CY-2	8.3	4.7	8.7	9.0	5.7	7.3
KINGPIN (9200)	6.3	5.3	9.0	9.0	6.3	7.2
DECLARATION	6.7	5.3	8.3	9.0	5.3	6.9
GREENWICH	7.0	6.0	6.7	9.0	5.0	6.7
PENNCROSS	6.7	3.3	8.0	9.0	6.3	6.7
SR 7200	7.3	4.7	6.3	9.0	5.7	6.6
LEGENDARY	7.0	6.0	6.0	9.0	4.7	6.5
VILLA (IS-AC 1)	8.3	4.7	5.7	9.0	4.7	6.5
VESPER	7.3	6.0	5.0	9.0	5.0	6.5
VENUS (EFD)	8.0	4.0	5.7	9.0	4.7	6.3
LSD VALUE	1.6	1.1	0.9	0.3	1.5	0.5
C.V. (%)	13.1	12.9	6.8	1.8	16.8	10.3

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 11B. SPRING DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	MI1	NE1	QE1	TX1	MEAN
MEMORIAL (A03-EDI)	8.3	6.0	9.0	9.0	6.7	7.8
BENGAL	8.3	6.0	8.7	9.0	6.0	7.6
SHARK (23R)	8.3	6.0	9.0	8.7	6.0	7.6
PENN A-1	8.3	6.0	9.0	9.0	5.3	7.5
007 (DSB)	8.3	6.0	8.7	9.0	5.7	7.5
T-1	8.0	6.0	9.0	9.0	5.7	7.5
AUTHORITY (235050)	8.7	6.0	8.3	9.0	5.3	7.5
IS-AP 9	9.0	4.7	9.0	9.0	5.7	7.5
LS-44	8.3	5.3	9.0	9.0	5.7	7.5
BENCHMARK DSR	7.3	6.0	9.0	9.0	6.0	7.5
13-M	7.0	6.0	9.0	8.7	6.3	7.4
ALPHA	7.3	6.0	9.0	9.0	5.7	7.4
INDEPENDENCE	8.0	5.3	8.7	9.0	5.7	7.3
MACKENZIE (SRX 1GPD)	6.3	6.3	9.0	9.0	6.0	7.3
TYEE (SRX 1GD)	7.3	5.3	8.7	9.0	6.3	7.3
PENNLINKS II	8.3	4.0	8.3	9.0	6.7	7.3
CY-2	8.3	4.7	8.7	9.0	5.7	7.3
KINGPIN (9200)	6.3	5.3	9.0	9.0	6.3	7.2
DECLARATION	6.7	5.3	8.3	9.0	5.3	6.9
PENNCROSS	6.7	3.3	8.0	9.0	6.3	6.7
LSD VALUE	1.6	1.1	0.6	0.3	1.6	0.5
C.V. (%)	12.7	12.9	4.2	2.0	16.6	9.8

TABLE 11C. SPRING DENSITY RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	MI1	NE1	QE1	TX1	MEAN
GREENWICH	7.0	6.0	6.7	9	5.0	6.7
SR 7200	7.3	4.7	6.3	9	5.7	6.6
LEGENDARY	7.0	6.0	6.0	9	4.7	6.5
VILLA (IS-AC 1)	8.3	4.7	5.7	9	4.7	6.5
VESPER	7.3	6.0	5.0	9	5.0	6.5
VENUS (EFD)	8.0	4.0	5.7	9	4.7	6.3
LSD VALUE	1.7	1.1	1.5	0	1.4	0.6
C.V. (%)	14.4	12.8	16.0	0	17.2	12.3

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

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

TABLE 12A.

SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	IL1	IN1	MI1	NC1	NE1	NM1	OK1	PA1	QE1	SD1	TX1	UT1	WI1	MEAN
MACKENZIE (SRX 1GPD)	6.7	7.7	9.0	7.0	4.7	9.0	9.0	8.7	8.3	9.0	7.0	6.7	8.3	7.7	7.8
TYEE (SRX 1GD)	7.0	8.0	8.7	6.3	4.0	9.0	8.7	9.0	9.0	8.3	4.7	6.3	8.0	8.0	7.5
SHARK (23R)	7.5	7.7	8.3	6.7	3.3	9.0	9.0	8.3	8.7	9.0	6.0	5.0	8.3	7.7	7.5
AUTHORITY (235050)	8.0	8.0	8.3	6.7	4.7	9.0	7.0	8.3	8.0	9.0	6.3	5.3	7.0	7.7	7.4
INDEPENDENCE	7.0	6.7	8.3	6.7	4.0	9.0	9.0	7.7	7.7	9.0	7.0	6.0	7.3	8.0	7.4
BENCHMARK DSR	7.0	7.3	8.0	5.7	5.0	9.0	8.3	7.7	7.7	9.0	6.7	6.7	7.7	7.3	7.4
T-1	7.7	7.7	8.0	6.3	4.0	9.0	8.3	7.0	7.0	9.0	7.7	5.7	8.0	7.3	7.3
007 (DSB)	7.0	7.7	8.3	5.7	4.7	8.7	9.0	7.7	8.0	9.0	4.3	6.0	8.7	7.7	7.3
CY-2	7.0	7.7	7.3	6.0	5.7	8.7	7.7	7.7	8.0	9.0	6.3	6.7	7.3	7.3	7.3
DECLARATION	8.0	8.0	7.0	5.7	5.0	8.7	8.7	7.3	8.0	8.3	5.0	6.3	7.0	8.0	7.2
MEMORIAL (A03-EDI)	7.3	7.0	7.3	6.0	5.3	9.0	8.3	7.3	7.0	9.0	6.7	6.7	6.7	7.0	7.2
KINGPIN (9200)	7.0	6.3	8.7	5.3	4.3	9.0	7.7	6.3	7.7	9.0	7.3	6.0	7.3	7.7	7.1
IS-AP 9	7.0	7.3	8.0	5.7	5.0	8.7	6.7	7.3	8.0	9.0	5.3	6.0	7.7	7.3	7.1
13-M	7.0	6.3	7.0	6.3	4.3	9.0	8.0	6.7	7.0	8.7	7.0	7.0	6.3	7.0	7.0
LEGENDARY	6.7	8.0	8.0	6.7	7.3	1.0	8.7	8.3	9.0	9.0	5.3	5.3	6.0	7.3	6.9
LS-44	7.3	7.3	7.3	6.0	4.0	9.0	6.7	8.0	7.0	8.7	5.3	5.7	6.3	7.7	6.9
VILLA (IS-AC 1)	6.7	8.7	8.0	6.3	6.0	5.0	3.7	8.3	9.0	9.0	5.3	6.7	6.3	7.3	6.9
ALPHA	5.7	6.7	8.0	5.0	4.0	9.0	8.3	7.3	6.7	9.0	6.0	6.3	6.7	7.3	6.9
BENGAL	8.0	6.0	7.7	6.7	3.0	8.7	6.3	7.7	7.3	8.7	6.0	5.7	7.0	6.7	6.8
GREENWICH	6.3	8.0	8.0	5.7	6.3	2.7	7.3	8.0	8.7	9.0	4.7	6.0	7.0	7.3	6.8
PENN A-1	6.0	6.3	7.7	5.3	3.7	9.0	6.3	8.7	7.7	9.0	4.7	6.0	7.3	7.3	6.8
VENUS (EFD)	6.0	9.0	7.7	5.0	6.7	2.7	5.7	8.0	9.0	9.0	5.3	5.3	6.0	8.7	6.7
SR 7200	7.3	6.7	8.0	5.7	6.3	6.0	3.0	5.7	9.0	9.0	5.3	6.0	5.7	5.3	6.4
VESPER	7.0	7.3	7.7	5.3	5.0	2.3	6.3	6.3	8.7	9.0	5.0	6.7	5.7	6.3	6.3
PENNLINKS II	7.0	4.3	5.7	5.3	4.0	8.0	8.7	5.7	5.7	9.0	7.7	6.3	4.7	6.3	6.3
PENNCROSS	6.0	3.3	5.0	4.7	3.7	8.7	8.7	5.0	5.0	7.7	6.7	5.7	4.3	6.0	5.7
LSD VALUE	1.7	1.0	0.9	1.8	1.4	2.4	3.3	1.7	0.6	0.7	1.5	1.1	1.2	1.6	0.4
C.V. (%)	13.3	8.7	7.5	19.0	18.2	19.9	27.1	14.3	4.8	5.0	16.2	11.5	10.7	13.9	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 12B.

SUMMER DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	IL1	IN1	MI1	NC1	NE1	NM1	OK1	PA1	QE1	SD1	TX1	UT1	WI1	MEAN
MACKENZIE (SRX 1GPD)	6.7	7.7	9.0	7.0	4.7	9.0	9.0	8.7	8.3	9.0	7.0	6.7	8.3	7.7	7.8
TYEE (SRX 1GD)	7.0	8.0	8.7	6.3	4.0	9.0	8.7	9.0	9.0	8.3	4.7	6.3	8.0	8.0	7.5
SHARK (23R)	7.5	7.7	8.3	6.7	3.3	9.0	9.0	8.3	8.7	9.0	6.0	5.0	8.3	7.7	7.5
AUTHORITY (235050)	8.0	8.0	8.3	6.7	4.7	9.0	7.0	8.3	8.0	9.0	6.3	5.3	7.0	7.7	7.4
INDEPENDENCE	7.0	6.7	8.3	6.7	4.0	9.0	9.0	7.7	7.7	9.0	7.0	6.0	7.3	8.0	7.4
BENCHMARK DSR	7.0	7.3	8.0	5.7	5.0	9.0	8.3	7.7	7.7	9.0	6.7	6.7	7.7	7.3	7.4
T-1	7.7	7.7	8.0	6.3	4.0	9.0	8.3	7.0	7.0	9.0	7.7	5.7	8.0	7.3	7.3
007 (DSB)	7.0	7.7	8.3	5.7	4.7	8.7	9.0	7.7	8.0	9.0	4.3	6.0	8.7	7.7	7.3
CY-2	7.0	7.7	7.3	6.0	5.7	8.7	7.7	7.7	8.0	9.0	6.3	6.7	7.3	7.3	7.3
DECLARATION	8.0	8.0	7.0	5.7	5.0	8.7	8.7	7.3	8.0	8.3	5.0	6.3	7.0	8.0	7.2
MEMORIAL (A03-EDI)	7.3	7.0	7.3	6.0	5.3	9.0	8.3	7.3	7.0	9.0	6.7	6.7	6.7	7.0	7.2
KINGPIN (9200)	7.0	6.3	8.7	5.3	4.3	9.0	7.7	6.3	7.7	9.0	7.3	6.0	7.3	7.7	7.1
IS-AP 9	7.0	7.3	8.0	5.7	5.0	8.7	6.7	7.3	8.0	9.0	5.3	6.0	7.7	7.3	7.1
13-M	7.0	6.3	7.0	6.3	4.3	9.0	8.0	6.7	7.0	8.7	7.0	7.0	6.3	7.0	7.0
LS-44	7.3	7.3	7.3	6.0	4.0	9.0	6.7	8.0	7.0	8.7	5.3	5.7	6.3	7.7	6.9
ALPHA	5.7	6.7	8.0	5.0	4.0	9.0	8.3	7.3	6.7	9.0	6.0	6.3	6.7	7.3	6.9
BENGAL	8.0	6.0	7.7	6.7	3.0	8.7	6.3	7.7	7.3	8.7	6.0	5.7	7.0	6.7	6.8
PENN A-1	6.0	6.3	7.7	5.3	3.7	9.0	6.3	8.7	7.7	9.0	4.7	6.0	7.3	7.3	6.8
PENNLINKS II	7.0	4.3	5.7	5.3	4.0	8.0	8.7	5.7	5.7	9.0	7.7	6.3	4.7	6.3	6.3
PENNCROSS	6.0	3.3	5.0	4.7	3.7	8.7	8.7	5.0	5.0	7.7	6.7	5.7	4.3	6.0	5.7
LSD VALUE	1.8	0.9	1.0	1.7	1.3	0.5	2.5	1.8	0.6	0.8	1.4	1.2	1.2	1.7	0.4
C.V. (%)	13.4	8.0	8.2	18.0	18.2	3.6	19.3	15.1	5.2	5.7	14.2	11.8	10.9	14.2	12.2

TABLE 12C.

SUMMER DENSITY RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	IL1	IN1	MI1	NC1	NE1	NM1	OK1	PA1	QE1	SD1	TX1	UT1	WI1	MEAN
LEGENDARY	6.7	8.0	8.0	6.7	7.3	1.0	8.7	8.3	9.0	9	5.3	5.3	6.0	7.3	6.9
VILLA (IS-AC 1)	6.7	8.7	8.0	6.3	6.0	5.0	3.7	8.3	9.0	9	5.3	6.7	6.3	7.3	6.9
GREENWICH	6.3	8.0	8.0	5.7	6.3	2.7	7.3	8.0	8.7	9	4.7	6.0	7.0	7.3	6.8
VENUS (EFD)	6.0	9.0	7.7	5.0	6.7	2.7	5.7	8.0	9.0	9	5.3	5.3	6.0	8.7	6.7
SR 7200	7.3	6.7	8.0	5.7	6.3	6.0	3.0	5.7	9.0	9	5.3	6.0	5.7	5.3	6.4
VESPER	7.0	7.3	7.7	5.3	5.0	2.3	6.3	6.3	8.7	9	5.0	6.7	5.7	6.3	6.3
LSD VALUE	1.5	1.3	0.5	2.0	1.8	5.0	5.1	1.4	0.5	0	1.9	1.0	0.9	1.5	0.6
C.V. (%)	13.3	10.3	4.2	22.0	17.6	94.0	54.6	11.4	3.8	0	23.3	10.4	9.4	12.9	21.1

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 13A. FALL DENSITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/								
	AZ1	IN1	MI1	MN1	NE1	NJ1	QE1	TX1	MEAN
VESPER	7.7	9.0	5.3	8.3	7.0	9.0	9.0	7.3	7.8
VILLA (IS-AC 1)	7.3	9.0	6.3	8.3	7.0	9.0	9.0	6.3	7.8
LEGENDARY	7.3	9.0	6.0	8.0	5.0	9.0	9.0	6.7	7.5
MACKENZIE (SRX 1GPD)	8.3	8.3	8.0	7.0	4.3	8.0	9.0	6.7	7.5
SR 7200	7.0	8.3	6.0	7.7	5.7	9.0	9.0	6.7	7.4
VENUS (EFD)	5.7	9.0	6.0	8.3	5.7	9.0	9.0	6.3	7.4
GREENWICH	7.7	9.0	5.3	8.3	4.0	8.7	9.0	6.7	7.3
T-1	8.3	8.3	6.7	7.3	5.7	6.3	9.0	6.3	7.3
SHARK (23R)	5.7	9.0	7.3	7.0	5.3	8.0	9.0	6.3	7.2
AUTHORITY (235050)	5.7	8.3	7.7	6.3	6.0	8.0	9.0	6.7	7.2
LS-44	8.0	8.3	7.0	6.0	7.0	5.3	9.0	6.7	7.2
MEMORIAL (A03-EDI)	8.0	8.3	7.3	5.0	7.3	5.0	9.0	7.3	7.2
TYEE (SRX 1GD)	7.3	9.0	8.0	7.0	2.3	8.0	9.0	6.7	7.2
BENGAL	8.7	8.0	7.0	5.0	5.7	5.7	8.7	7.3	7.0
13-M	8.0	7.0	5.7	6.3	6.3	5.0	9.0	7.3	6.8
INDEPENDENCE	7.0	7.7	6.7	6.0	5.0	7.0	9.0	6.3	6.8
KINGPIN (9200)	7.7	8.7	6.3	5.3	5.3	5.7	9.0	6.7	6.8
ALPHA	7.0	7.7	5.7	6.0	7.3	5.3	9.0	6.3	6.8
IS-AP 9	6.7	8.3	6.0	6.0	4.3	7.0	8.7	7.3	6.8
DECLARATION	6.0	8.3	6.3	6.0	4.3	7.3	9.0	6.7	6.8
PENN A-1	5.7	8.3	6.7	6.3	4.3	7.7	9.0	6.0	6.8
CY-2	7.0	8.3	6.0	5.7	3.7	7.3	9.0	6.3	6.7
007 (DSB)	6.3	8.3	6.3	6.7	2.7	7.0	9.0	6.7	6.6
BENCHMARK DSR	7.0	8.7	6.3	5.3	3.0	6.7	9.0	6.7	6.6
PENNLINKS II	6.3	6.7	4.0	4.7	8.7	3.7	8.3	7.0	6.2
PENNCROSS	7.3	5.7	5.3	3.3	8.0	1.0	8.0	6.0	5.6
LSD VALUE	2.4	0.9	1.8	1.0	4.1	1.1	0.3	1.3	0.7
C.V. (%)	21.0	7.0	17.8	9.6	47.4	9.7	2.2	12.4	17.5

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 13B. FALL DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/								
	AZ1	IN1	MI1	MN1	NE1	NJ1	QE1	TX1	MEAN
MACKENZIE (SRX 1GPD)	8.3	8.3	8.0	7.0	4.3	8.0	9.0	6.7	7.5
T-1	8.3	8.3	6.7	7.3	5.7	6.3	9.0	6.3	7.3
SHARK (23R)	5.7	9.0	7.3	7.0	5.3	8.0	9.0	6.3	7.2
AUTHORITY (235050)	5.7	8.3	7.7	6.3	6.0	8.0	9.0	6.7	7.2
LS-44	8.0	8.3	7.0	6.0	7.0	5.3	9.0	6.7	7.2
MEMORIAL (A03-EDI)	8.0	8.3	7.3	5.0	7.3	5.0	9.0	7.3	7.2
TYEE (SRX 1GD)	7.3	9.0	8.0	7.0	2.3	8.0	9.0	6.7	7.2
BENGAL	8.7	8.0	7.0	5.0	5.7	5.7	8.7	7.3	7.0
13-M	8.0	7.0	5.7	6.3	6.3	5.0	9.0	7.3	6.8
INDEPENDENCE	7.0	7.7	6.7	6.0	5.0	7.0	9.0	6.3	6.8
KINGPIN (9200)	7.7	8.7	6.3	5.3	5.3	5.7	9.0	6.7	6.8
ALPHA	7.0	7.7	5.7	6.0	7.3	5.3	9.0	6.3	6.8
IS-AP 9	6.7	8.3	6.0	6.0	4.3	7.0	8.7	7.3	6.8
DECLARATION	6.0	8.3	6.3	6.0	4.3	7.3	9.0	6.7	6.8
PENN A-1	5.7	8.3	6.7	6.3	4.3	7.7	9.0	6.0	6.8
CY-2	7.0	8.3	6.0	5.7	3.7	7.3	9.0	6.3	6.7
007 (DSB)	6.3	8.3	6.3	6.7	2.7	7.0	9.0	6.7	6.6
BENCHMARK DSR	7.0	8.7	6.3	5.3	3.0	6.7	9.0	6.7	6.6
PENNLINKS II	6.3	6.7	4.0	4.7	8.7	3.7	8.3	7.0	6.2
PENNCROSS	7.3	5.7	5.3	3.3	8.0	1.0	8.0	6.0	5.6
LSD VALUE	2.5	1.0	1.9	1.0	4.3	1.2	0.4	1.4	0.7
C.V. (%)	21.6	7.5	17.9	10.9	49.6	12.0	2.5	13.3	18.6

TABLE 13C. FALL DENSITY RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/								
	AZ1	IN1	MI1	MN1	NE1	NJ1	QE1	TX1	MEAN
VESPER	7.7	9.0	5.3	8.3	7.0	9.0	9	7.3	7.8
VILLA (IS-AC 1)	7.3	9.0	6.3	8.3	7.0	9.0	9	6.3	7.8
LEGENDARY	7.3	9.0	6.0	8.0	5.0	9.0	9	6.7	7.5
SR 7200	7.0	8.3	6.0	7.7	5.7	9.0	9	6.7	7.4
VENUS (EFD)	5.7	9.0	6.0	8.3	5.7	9.0	9	6.3	7.4
GREENWICH	7.7	9.0	5.3	8.3	4.0	8.7	9	6.7	7.3
LSD VALUE	2.1	0.8	1.6	0.8	3.7	0.4	0	0.9	0.6
C.V. (%)	18.8	5.3	17.1	6.5	40.1	2.6	0	8.7	14.0

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

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



TABLE 14A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	MI1	OK1	MEAN
LS-44	94.7	95.7	98.7	96.3
BENGAL	93.3	96.7	98.0	96.0
MEMORIAL (A03-EDI)	92.7	97.3	98.0	96.0
ALPHA	94.7	94.3	97.7	95.6
VILLA (IS-AC 1)	91.7	95.7	97.3	94.9
T-1	89.0	96.0	97.3	94.1
SR 7200	87.7	96.3	97.0	93.7
CY-2	88.3	93.3	99.0	93.6
PENNCROSS	91.3	94.3	95.0	93.6
VESPER	85.0	96.3	98.0	93.1
13-M	81.7	98.3	97.7	92.6
GREENWICH	83.3	95.7	98.7	92.6
BENCHMARK DSR	83.3	95.7	97.3	92.1
007 (DSB)	80.0	96.3	97.3	91.2
LEGENDARY	80.0	95.0	98.3	91.1
INDEPENDENCE	78.3	96.7	98.0	91.0
IS-AP 9	80.0	95.7	97.3	91.0
PENN A-1	77.3	97.0	98.7	91.0
MACKENZIE (SRX 1GPD)	75.0	96.7	98.3	90.0
SHARK (23R)	75.0	96.7	98.3	90.0
AUTHORITY (235050)	71.7	97.7	98.7	89.3
KINGPIN (9200)	76.7	93.3	97.7	89.2
VENUS (EFD)	78.0	91.7	97.7	89.1
PENNLINKS II	76.7	91.7	98.3	88.9
DECLARATION	67.3	98.0	97.3	87.6
TYEE (SRX 1GD)	61.7	91.7	99.0	84.1
LSD VALUE	20.7	3.5	1.9	7.0
C.V. (%)	15.7	2.3	1.2	8.2

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 14B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	MI1	OK1	MEAN
LS-44	94.7	95.7	98.7	96.3
BENGAL	93.3	96.7	98.0	96.0
MEMORIAL (A03-EDI)	92.7	97.3	98.0	96.0
ALPHA	94.7	94.3	97.7	95.6
T-1	89.0	96.0	97.3	94.1
CY-2	88.3	93.3	99.0	93.6
PENNCROSS	91.3	94.3	95.0	93.6
13-M	81.7	98.3	97.7	92.6
BENCHMARK DSR	83.3	95.7	97.3	92.1
007 (DSB)	80.0	96.3	97.3	91.2
INDEPENDENCE	78.3	96.7	98.0	91.0
IS-AP 9	80.0	95.7	97.3	91.0
PENN A-1	77.3	97.0	98.7	91.0
MACKENZIE (SRX 1GPD)	75.0	96.7	98.3	90.0
SHARK (23R)	75.0	96.7	98.3	90.0
AUTHORITY (235050)	71.7	97.7	98.7	89.3
KINGPIN (9200)	76.7	93.3	97.7	89.2
PENNLINKS II	76.7	91.7	98.3	88.9
DECLARATION	67.3	98.0	97.3	87.6
TYEE (SRX 1GD)	61.7	91.7	99.0	84.1
LSD VALUE	20.6	3.8	2.1	7.0
C.V. (%)	15.7	2.5	1.3	8.2

TABLE 14C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	MI1	OK1	MEAN
VILLA (IS-AC 1)	91.7	95.7	97.3	94.9
SR 7200	87.7	96.3	97.0	93.7
VESPER	85.0	96.3	98.0	93.1
GREENWICH	83.3	95.7	98.7	92.6
LEGENDARY	80.0	95.0	98.3	91.1
VENUS (EFD)	78.0	91.7	97.7	89.1
LSD VALUE	21.0	2.4	1.5	7.1
C.V. (%)	15.5	1.6	1.0	8.2

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 15A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	MI1	OK1	MEAN
MACKENZIE (SRX 1GPD)	96.0	98.0	98.7	97.6
BENGAL	94.7	94.3	97.7	95.6
LS-44	89.7	96.3	97.7	94.6
MEMORIAL (A03-EDI)	88.3	95.0	96.0	93.1
GREENWICH	91.3	91.7	95.7	92.9
T-1	94.0	88.3	95.3	92.6
13-M	83.0	97.3	96.3	92.2
INDEPENDENCE	81.7	97.3	97.3	92.1
ALPHA	89.7	87.3	97.0	91.3
VILLA (IS-AC 1)	86.0	92.3	95.0	91.1
LEGENDARY	81.0	94.0	97.0	90.7
TYEE (SRX 1GD)	73.3	95.7	99.0	89.3
CY-2	82.3	86.7	98.3	89.1
KINGPIN (9200)	76.7	91.7	97.3	88.6
VESPER	79.3	91.7	94.3	88.4
IS-AP 9	71.7	93.3	95.7	86.9
SR 7200	75.0	93.3	90.0	86.1
PENNCROSS	81.3	81.7	94.0	85.7
007 (DSB)	65.7	90.0	97.7	84.4
BENCHMARK DSR	68.3	88.3	96.7	84.4
DECLARATION	62.3	91.3	97.3	83.7
AUTHORITY (235050)	55.3	96.0	98.7	83.3
VENUS (EFD)	61.0	91.7	94.3	82.3
SHARK (23R)	50.0	97.3	98.7	82.0
PENN A-1	58.3	88.3	98.0	81.6
PENNLINKS II	60.0	85.0	97.0	80.7
LSD VALUE	34.8	11.6	2.6	12.3
C.V. (%)	28.2	7.9	1.7	14.9

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 15B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	MI1	OK1	MEAN
MACKENZIE (SRX 1GPD)	96.0	98.0	98.7	97.6
BENGAL	94.7	94.3	97.7	95.6
LS-44	89.7	96.3	97.7	94.6
MEMORIAL (A03-EDI)	88.3	95.0	96.0	93.1
T-1	94.0	88.3	95.3	92.6
13-M	83.0	97.3	96.3	92.2
INDEPENDENCE	81.7	97.3	97.3	92.1
ALPHA	89.7	87.3	97.0	91.3
TYEE (SRX 1GD)	73.3	95.7	99.0	89.3
CY-2	82.3	86.7	98.3	89.1
KINGPIN (9200)	76.7	91.7	97.3	88.6
IS-AP 9	71.7	93.3	95.7	86.9
PENNCROSS	81.3	81.7	94.0	85.7
007 (DSB)	65.7	90.0	97.7	84.4
BENCHMARK DSR	68.3	88.3	96.7	84.4
DECLARATION	62.3	91.3	97.3	83.7
AUTHORITY (235050)	55.3	96.0	98.7	83.3
SHARK (23R)	50.0	97.3	98.7	82.0
PENN A-1	58.3	88.3	98.0	81.6
PENNLINKS II	60.0	85.0	97.0	80.7
LSD VALUE	35.6	13.0	1.8	12.7
C.V. (%)	29.1	8.8	1.1	15.4

TABLE 15C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	MI1	OK1	MEAN
GREENWICH	91.3	91.7	95.7	92.9
VILLA (IS-AC 1)	86.0	92.3	95.0	91.1
LEGENDARY	81.0	94.0	97.0	90.7
VESPER	79.3	91.7	94.3	88.4
SR 7200	75.0	93.3	90.0	86.1
VENUS (EFD)	61.0	91.7	94.3	82.3
LSD VALUE	32.0	5.2	4.3	10.9
C.V. (%)	25.2	3.5	2.8	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 16A. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AZ1	MI1	OK1	MEAN
KINGPIN (9200)	98.7	97.3	98.7	98.2
MACKENZIE (SRX 1GPD)	99.0	96.7	98.3	98.0
CY-2	99.0	95.7	99.0	97.9
T-1	99.0	97.0	97.3	97.8
TYEE (SRX 1GD)	97.3	97.0	99.0	97.8
MEMORIAL (A03-EDI)	98.7	98.0	96.3	97.7
INDEPENDENCE	98.7	95.7	98.3	97.6
LS-44	98.3	97.0	97.3	97.6
13-M	94.0	98.7	98.3	97.0
SHARK (23R)	94.0	97.0	99.0	96.7
BENGAL	98.7	96.0	95.0	96.6
ALPHA	99.0	92.3	98.0	96.4
BENCHMARK DSR	93.0	97.0	97.7	95.9
DECLARATION	91.3	98.3	96.7	95.4
IS-AP 9	95.7	95.0	94.7	95.1
PENN A-1	94.0	91.7	98.7	94.8
PENNLINKS II	96.7	95.0	91.7	94.4
PENNCROSS	97.0	93.3	88.3	92.9
AUTHORITY (235050)	83.0	96.0	99.0	92.7
007 (DSB)	82.7	96.0	98.7	92.4
VESPER	99.0	83.3	76.7	86.3
SR 7200	98.7	90.0	69.3	86.0
VENUS (EFD)	85.7	85.0	70.0	80.2
VILLA (IS-AC 1)	98.7	83.3	53.3	78.4
GREENWICH	98.3	81.7	51.7	77.2
LEGENDARY	94.3	83.3	51.7	76.4
LSD VALUE	13.8	4.7	13.3	6.6
C.V. (%)	9.0	3.1	9.3	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 16B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AZ1	MI1	OK1	MEAN
KINGPIN (9200)	98.7	97.3	98.7	98.2
MACKENZIE (SRX 1GPD)	99.0	96.7	98.3	98.0
CY-2	99.0	95.7	99.0	97.9
T-1	99.0	97.0	97.3	97.8
TYEE (SRX 1GD)	97.3	97.0	99.0	97.8
MEMORIAL (A03-EDI)	98.7	98.0	96.3	97.7
INDEPENDENCE	98.7	95.7	98.3	97.6
LS-44	98.3	97.0	97.3	97.6
13-M	94.0	98.7	98.3	97.0
SHARK (23R)	94.0	97.0	99.0	96.7
BENGAL	98.7	96.0	95.0	96.6
ALPHA	99.0	92.3	98.0	96.4
BENCHMARK DSR	93.0	97.0	97.7	95.9
DECLARATION	91.3	98.3	96.7	95.4
IS-AP 9	95.7	95.0	94.7	95.1
PENN A-1	94.0	91.7	98.7	94.8
PENNLINKS II	96.7	95.0	91.7	94.4
PENNCROSS	97.0	93.3	88.3	92.9
AUTHORITY (235050)	83.0	96.0	99.0	92.7
007 (DSB)	82.7	96.0	98.7	92.4
LSD VALUE	14.9	3.8	7.4	5.7
C.V. (%)	9.7	2.5	4.8	6.4

TABLE 16C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AZ1	MI1	OK1	MEAN
VESPER	99.0	83.3	76.7	86.3
SR 7200	98.7	90.0	69.3	86.0
VENUS (EFD)	85.7	85.0	70.0	80.2
VILLA (IS-AC 1)	98.7	83.3	53.3	78.4
GREENWICH	98.3	81.7	51.7	77.2
LEGENDARY	94.3	83.3	51.7	76.4
LSD VALUE	9.3	6.8	24.1	8.9
C.V. (%)	6.1	5.0	24.1	11.9

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

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

TABLE 17A. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	NC1	OK1	MEAN
LEGENDARY	6.3	8.0	7.0	7.1
SR 7200	6.7	7.3	7.0	7.0
VESPER	6.3	7.7	7.0	7.0
GREENWICH	6.0	7.7	7.0	6.9
VILLA (IS-AC 1)	6.0	7.0	7.0	6.7
VENUS (EFD)	5.0	7.7	7.0	6.6
T-1	8.5	5.7	5.0	6.4
007 (DSB)	7.0	6.0	5.7	6.2
BENGAL	7.3	5.7	5.0	6.0
MEMORIAL (A03-EDI)	7.0	5.7	5.0	5.9
IS-AP 9	6.5	6.0	5.0	5.8
ALPHA	6.7	6.0	4.7	5.8
13-M	6.3	5.7	5.0	5.7
DECLARATION	6.0	5.7	5.3	5.7
LS-44	6.3	5.7	5.0	5.7
TYEE (SRX 1GD)	7.0	5.0	5.0	5.7
SHARK (23R)	6.5	5.3	5.0	5.6
INDEPENDENCE	8.0	4.3	4.3	5.6
KINGPIN (9200)	6.3	5.3	5.0	5.6
BENCHMARK DSR	6.3	5.7	4.3	5.4
PENN A-1	6.0	5.3	5.0	5.4
AUTHORITY (235050)	6.0	5.0	5.0	5.3
CY-2	5.3	5.3	4.7	5.1
PENNLINKS II	5.5	5.0	4.3	4.9
MACKENZIE (SRX 1GPD)	5.7	4.7	4.0	4.8
PENNCROSS	6.3	4.0	4.0	4.8
LSD VALUE	1.6	1.0	0.5	0.6
C.V. (%)	12.7	10.4	5.6	10.1

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

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

TABLE 17B. WINTER COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	NC1	OK1	MEAN
T-1	8.5	5.7	5.0	6.4
007 (DSB)	7.0	6.0	5.7	6.2
BENGAL	7.3	5.7	5.0	6.0
MEMORIAL (A03-EDI)	7.0	5.7	5.0	5.9
IS-AP 9	6.5	6.0	5.0	5.8
ALPHA	6.7	6.0	4.7	5.8
13-M	6.3	5.7	5.0	5.7
DECLARATION	6.0	5.7	5.3	5.7
LS-44	6.3	5.7	5.0	5.7
TYEE (SRX 1GD)	7.0	5.0	5.0	5.7
SHARK (23R)	6.5	5.3	5.0	5.6
INDEPENDENCE	8.0	4.3	4.3	5.6
KINGPIN (9200)	6.3	5.3	5.0	5.6
BENCHMARK DSR	6.3	5.7	4.3	5.4
PENN A-1	6.0	5.3	5.0	5.4
AUTHORITY (235050)	6.0	5.0	5.0	5.3
CY-2	5.3	5.3	4.7	5.1
PENNLINKS II	5.5	5.0	4.3	4.9
MACKENZIE (SRX 1GPD)	5.7	4.7	4.0	4.8
PENNCROSS	6.3	4.0	4.0	4.8
LSD VALUE	1.7	1.0	0.5	0.6
C.V. (%)	13.3	12.1	7.1	11.3

TABLE 17C. WINTER COLOR RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	NC1	OK1	MEAN
LEGENDARY	6.3	8.0	7	7.1
SR 7200	6.7	7.3	7	7.0
VESPER	6.3	7.7	7	7.0
GREENWICH	6.0	7.7	7	6.9
VILLA (IS-AC 1)	6.0	7.0	7	6.7
VENUS (EFD)	5.0	7.7	7	6.6
LSD VALUE	1.2	0.8	0	0.4
C.V. (%)	10.4	6.2	0	6.4

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

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



TABLE 18A. MICRODOCHIUM PATCH RATINGS OF BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2005 DATA

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

NAME	NC1
13-M	9.0
ALPHA	9.0
DECLARATION	9.0
IS-AP 9	9.0
KINGPIN (9200)	9.0
MEMORIAL (A03-EDI)	9.0
PENN A-1	9.0
SHARK (23R)	9.0
T-1	9.0
TYEE (SRX 1GD)	9.0
VENUS (EFD)	9.0
VESPER	9.0
VILLA (IS-AC 1)	9.0
007 (DSB)	8.7
BENGAL	8.7
INDEPENDENCE	8.7
LEGENDARY	8.7
LS-44	8.7
SR 7200	8.7
AUTHORITY (235050)	8.3
GREENWICH	8.3
PENNCROSS	8.3
PENNLINKS II	8.3
MACKENZIE (SRX 1GPD)	8.0
CY-2	7.3
BENCHMARK DSR	6.7
LSD VALUE	1.1
C.V. (%)	7.9

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 18B. MICRODOCHIUM PATCH RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	NC1
13-M	9.0
ALPHA	9.0
DECLARATION	9.0
IS-AP 9	9.0
KINGPIN (9200)	9.0
MEMORIAL (A03-EDI)	9.0
PENN A-1	9.0
SHARK (23R)	9.0
T-1	9.0
TYEE (SRX 1GD)	9.0
007 (DSB)	8.7
BENGAL	8.7
INDEPENDENCE	8.7
LS-44	8.7
AUTHORITY (235050)	8.3
PENNCROSS	8.3
PENNLINKS II	8.3
MACKENZIE (SRX 1GPD)	8.0
CY-2	7.3
BENCHMARK DSR	6.7
LSD VALUE	1.2
C.V. (%)	8.6

TABLE 18C. MICRODOCHIUM PATCH RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	NC1
VENUS (EFD)	9.0
VESPER	9.0
VILLA (IS-AC 1)	9.0
LEGENDARY	8.7
SR 7200	8.7
GREENWICH	8.3
LSD VALUE	0.7
C.V. (%)	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 19A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/				
NAME	IN1	MN1	WI1	MEAN
BENCHMARK DSR	9.0	8.3	8.0	8.4
DECLARATION	8.7	8.3	8.0	8.3
SR 7200	9.0	8.3	7.7	8.3
MEMORIAL (A03-EDI)	9.0	7.3	8.3	8.2
PENNLINKS II	8.3	7.7	8.3	8.1
VENUS (EFD)	9.0	8.0	7.3	8.1
VILLA (IS-AC 1)	9.0	7.3	8.0	8.1
GREENWICH	9.0	7.0	8.0	8.0
IS-AP 9	9.0	7.3	7.0	7.8
13-M	9.0	7.0	7.0	7.7
KINGPIN (9200)	8.3	7.0	7.7	7.7
LEGENDARY	9.0	6.7	7.0	7.6
PENN A-1	8.3	6.7	7.7	7.6
CY-2	9.0	5.7	7.7	7.4
007 (DSB)	8.7	7.7	5.0	7.1
VESPER	9.0	5.0	7.0	7.0
AUTHORITY (235050)	7.7	6.0	6.7	6.8
LS-44	8.7	4.7	5.3	6.2
PENNCROSS	7.0	6.0	5.0	6.0
ALPHA	8.0	4.0	5.3	5.8
MACKENZIE (SRX 1GPD)	7.3	3.7	6.3	5.8
SHARK (23R)	7.3	3.0	6.0	5.4
TYEE (SRX 1GD)	7.3	5.0	3.7	5.3
BENGAL	6.3	3.3	5.0	4.9
T-1	7.0	3.7	4.0	4.9
INDEPENDENCE	6.3	2.7	2.3	3.8
LSD VALUE	2.3	2.0	1.6	1.2
C.V. (%)	17.3	20.8	15.7	18.0

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 19B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	IN1	MN1	WI1	MEAN
BENCHMARK DSR	9.0	8.3	8.0	8.4
DECLARATION	8.7	8.3	8.0	8.3
MEMORIAL (A03-EDI)	9.0	7.3	8.3	8.2
PENNLINKS II	8.3	7.7	8.3	8.1
IS-AP 9	9.0	7.3	7.0	7.8
13-M	9.0	7.0	7.0	7.7
KINGPIN (9200)	8.3	7.0	7.7	7.7
PENN A-1	8.3	6.7	7.7	7.6
CY-2	9.0	5.7	7.7	7.4
007 (DSB)	8.7	7.7	5.0	7.1
AUTHORITY (235050)	7.7	6.0	6.7	6.8
LS-44	8.7	4.7	5.3	6.2
PENNCROSS	7.0	6.0	5.0	6.0
ALPHA	8.0	4.0	5.3	5.8
MACKENZIE (SRX 1GPD)	7.3	3.7	6.3	5.8
SHARK (23R)	7.3	3.0	6.0	5.4
TYEE (SRX 1GD)	7.3	5.0	3.7	5.3
BENGAL	6.3	3.3	5.0	4.9
T-1	7.0	3.7	4.0	4.9
INDEPENDENCE	6.3	2.7	2.3	3.8
LSD VALUE	2.6	2.1	1.7	1.3
C.V. (%)	20.3	22.8	17.5	20.4

TABLE 19C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	IN1	MN1	WI1	MEAN
SR 7200	9	8.3	7.7	8.3
VENUS (EFD)	9	8.0	7.3	8.1
VILLA (IS-AC 1)	9	7.3	8.0	8.1
GREENWICH	9	7.0	8.0	8.0
LEGENDARY	9	6.7	7.0	7.6
VESPER	9	5.0	7.0	7.0
LSD VALUE	0	1.7	1.3	0.7
C.V. (%)	0	15.3	10.4	9.8

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

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

TABLE 20A. BROWN PATCH (WARM TEMPERATURE) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	PA1
GREENWICH	9.0
LEGENDARY	9.0
MACKENZIE (SRX 1GPD)	9.0
SR 7200	9.0
TYEE (SRX 1GD)	9.0
VENUS (EFD)	9.0
VESPER	9.0
VILLA (IS-AC 1)	9.0
13-M	8.7
T-1	8.7
MEMORIAL (A03-EDI)	8.3
007 (DSB)	8.0
DECLARATION	8.0
INDEPENDENCE	8.0
LS-44	8.0
ALPHA	7.7
CY-2	7.7
IS-AP 9	7.7
SHARK (23R)	7.7
BENCHMARK DSR	7.3
PENN A-1	7.3
PENNGROSS	7.3
KINGPIN (9200)	7.0
AUTHORITY (235050)	6.3
BENGAL	6.0
PENNLINKS II	4.7
LSD VALUE	1.5
C.V. (%)	11.9

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

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

TABLE 20B. BROWN PATCH (WARM TEMPERATURE) RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	PA1
MACKENZIE (SRX 1GPD)	9.0
TYEE (SRX 1GD)	9.0
13-M	8.7
T-1	8.7
MEMORIAL (A03-EDI)	8.3
007 (DSB)	8.0
DECLARATION	8.0
INDEPENDENCE	8.0
LS-44	8.0
ALPHA	7.7
CY-2	7.7
IS-AP 9	7.7
SHARK (23R)	7.7
BENCHMARK DSR	7.3
PENN A-1	7.3
PENNCROSS	7.3
KINGPIN (9200)	7.0
AUTHORITY (235050)	6.3
BENGAL	6.0
PENNLINKS II	4.7
LSD VALUE	1.7
C.V. (%)	14.1

TABLE 20C. BROWN PATCH (WARM TEMPERATURE) RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	PA1
GREENWICH	9
LEGENDARY	9
SR 7200	9
VENUS (EFD)	9
VESPER	9
VILLA (IS-AC 1)	9
LSD VALUE	0
C.V. (%)	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 21A. FAIRY RING RATINGS OF BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2005 DATA

FAIRY RING RATINGS 1-9; 9=NO DISEASE 2/

NAME	MN1
CY-2	8.3
PENNLINKS II	7.3
ALPHA	7.0
BENCHMARK DSR	7.0
MEMORIAL (A03-EDI)	7.0
PENNCROSS	7.0
TYEE (SRX 1GD)	7.0
13-M	6.7
INDEPENDENCE	6.7
IS-AP 9	6.7
KINGPIN (9200)	6.7
DECLARATION	6.3
PENN A-1	6.3
007 (DSB)	6.0
AUTHORITY (235050)	6.0
LS-44	6.0
MACKENZIE (SRX 1GPD)	6.0
SHARK (23R)	6.0
BENGAL	5.7
T-1	5.7
VENUS (EFD)	4.0
VESPER	4.0
VILLA (IS-AC 1)	4.0
LEGENDARY	3.7
GREENWICH	3.3
SR 7200	2.7
LSD VALUE	1.7
C.V. (%)	18.0

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 21B. FAIRY RING RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

FAIRY RING RATINGS 1-9; 9=NO DISEASE 2/

NAME	MN1
CY-2	8.3
PENNLINKS II	7.3
ALPHA	7.0
BENCHMARK DSR	7.0
MEMORIAL (A03-EDI)	7.0
PENNCROSS	7.0
TYEE (SRX 1GD)	7.0
13-M	6.7
INDEPENDENCE	6.7
IS-AP 9	6.7
KINGPIN (9200)	6.7
DECLARATION	6.3
PENN A-1	6.3
007 (DSB)	6.0
AUTHORITY (235050)	6.0
LS-44	6.0
MACKENZIE (SRX 1GPD)	6.0
SHARK (23R)	6.0
BENGAL	5.7
T-1	5.7
LSD VALUE	1.9
C.V. (%)	18.1

TABLE 21C. FAIRY RING RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

FAIRY RING RATINGS 1-9; 9=NO DISEASE 2/

NAME	MN1
VENUS (EFD)	4.0
VESPER	4.0
VILLA (IS-AC 1)	4.0
LEGENDARY	3.7
GREENWICH	3.3
SR 7200	2.7
LSD VALUE	0.7
C.V. (%)	11.3

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

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



TABLE 22A. FALL COLOR (SEPTEMBER) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1
DECLARATION	8.0
T-1	7.3
13-M	7.0
CY-2	7.0
IS-AP 9	7.0
LS-44	7.0
VENUS (EFD)	7.0
INDEPENDENCE	6.7
LEGENDARY	6.7
MEMORIAL (A03-EDI)	6.7
VILLA (IS-AC 1)	6.7
PENNLINKS II	6.5
ALPHA	6.3
BENCHMARK DSR	6.3
BENGAL	6.3
GREENWICH	6.3
007 (DSB)	6.0
AUTHORITY (235050)	6.0
MACKENZIE (SRX 1GPD)	6.0
PENN A-1	6.0
SR 7200	6.0
TYEE (SRX 1GD)	6.0
VESPER	6.0
PENNCROSS	5.7
SHARK (23R)	5.5
KINGPIN (9200)	5.3
LSD VALUE	2.0
C.V. (%)	16.4

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 22B. FALL COLOR (SEPTEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1
DECLARATION	8.0
T-1	7.3
13-M	7.0
CY-2	7.0
IS-AP 9	7.0
LS-44	7.0
INDEPENDENCE	6.7
MEMORIAL (A03-EDI)	6.7
PENNLINKS II	6.5
ALPHA	6.3
BENCHMARK DSR	6.3
BENGAL	6.3
007 (DSB)	6.0
AUTHORITY (235050)	6.0
MACKENZIE (SRX 1GPD)	6.0
PENN A-1	6.0
TYEE (SRX 1GD)	6.0
PENNCROSS	5.7
SHARK (23R)	5.5
KINGPIN (9200)	5.3
LSD VALUE	2.1
C.V. (%)	16.7

TABLE 22C. FALL COLOR (SEPTEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1
VENUS (EFD)	7.0
LEGENDARY	6.7
VILLA (IS-AC 1)	6.7
GREENWICH	6.3
SR 7200	6.0
VESPER	6.0
LSD VALUE	1.9
C.V. (%)	15.5

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 23A. FALL COLOR (OCTOBER) RATINGS OF BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2005 DATA

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

NAME	AZ1
T-1	8.0
BENGAL	7.7
INDEPENDENCE	7.7
BENCHMARK DSR	7.3
SR 7200	7.3
007 (DSB)	7.0
13-M	7.0
ALPHA	7.0
DECLARATION	7.0
LS-44	7.0
MEMORIAL (A03-EDI)	7.0
TYEE (SRX 1GD)	7.0
VESPER	7.0
GREENWICH	6.7
KINGPIN (9200)	6.7
LEGENDARY	6.7
MACKENZIE (SRX 1GPD)	6.7
PENNCROSS	6.7
IS-AP 9	6.5
PENNLINKS II	6.5
SHARK (23R)	6.5
CY-2	6.3
VILLA (IS-AC 1)	6.3
AUTHORITY (235050)	6.0
PENN A-1	6.0
VENUS (EFD)	6.0
LSD VALUE	1.3
C.V. (%)	9.6

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

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

TABLE 23B. FALL COLOR (OCTOBER) RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1
T-1	8.0
BENGAL	7.7
INDEPENDENCE	7.7
BENCHMARK DSR	7.3
007 (DSB)	7.0
13-M	7.0
ALPHA	7.0
DECLARATION	7.0
LS-44	7.0
MEMORIAL (A03-EDI)	7.0
TYEE (SRX 1GD)	7.0
KINGPIN (9200)	6.7
MACKENZIE (SRX 1GPD)	6.7
PENNCROSS	6.7
IS-AP 9	6.5
PENNLINKS II	6.5
SHARK (23R)	6.5
CY-2	6.3
AUTHORITY (235050)	6.0
PENN A-1	6.0
LSD VALUE	1.2
C.V. (%)	9.4

TABLE 23C. FALL COLOR (OCTOBER) RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1
SR 7200	7.3
VESPER	7.0
GREENWICH	6.7
LEGENDARY	6.7
VILLA (IS-AC 1)	6.3
VENUS (EFD)	6.0
LSD VALUE	1.3
C.V. (%)	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 24A. FALL COLOR (NOVEMBER) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	VA1	MEAN
T-1	8.5	6.7	7.6
INDEPENDENCE	8.0	5.7	6.8
ALPHA	6.7	6.7	6.7
BENCHMARK DSR	6.3	7.0	6.7
MEMORIAL (A03-EDI)	7.0	6.3	6.7
BENGAL	7.3	5.7	6.5
IS-AP 9	6.5	6.3	6.4
PENN A-1	6.0	6.7	6.3
KINGPIN (9200)	6.3	6.3	6.3
13-M	6.3	6.0	6.2
LS-44	6.3	6.0	6.2
PENNCROSS	6.3	6.0	6.2
007 (DSB)	7.0	5.0	6.0
TYEE (SRX 1GD)	7.0	5.0	6.0
DECLARATION	6.0	5.7	5.8
SR 7200	6.7	5.0	5.8
LEGENDARY	6.3	5.0	5.7
SHARK (23R)	6.5	4.7	5.6
PENNLINKS II	5.5	5.3	5.4
MACKENZIE (SRX 1GPD)	5.7	5.0	5.3
CY-2	5.3	5.3	5.3
VESPER	6.3	4.3	5.3
AUTHORITY (235050)	6.0	4.3	5.2
GREENWICH	6.0	4.3	5.2
VILLA (IS-AC 1)	6.0	4.3	5.2
VENUS (EFD)	5.0	4.3	4.7
LSD VALUE	1.6	1.2	1.0
C.V. (%)	12.7	14.1	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 24B. FALL COLOR (NOVEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	VA1	MEAN
T-1	8.5	6.7	7.6
INDEPENDENCE	8.0	5.7	6.8
ALPHA	6.7	6.7	6.7
BENCHMARK DSR	6.3	7.0	6.7
MEMORIAL (A03-EDI)	7.0	6.3	6.7
BENGAL	7.3	5.7	6.5
IS-AP 9	6.5	6.3	6.4
PENN A-1	6.0	6.7	6.3
KINGPIN (9200)	6.3	6.3	6.3
13-M	6.3	6.0	6.2
LS-44	6.3	6.0	6.2
PENNCROSS	6.3	6.0	6.2
007 (DSB)	7.0	5.0	6.0
TYEE (SRX 1GD)	7.0	5.0	6.0
DECLARATION	6.0	5.7	5.8
SHARK (23R)	6.5	4.7	5.6
PENNLINKS II	5.5	5.3	5.4
MACKENZIE (SRX 1GPD)	5.7	5.0	5.3
CY-2	5.3	5.3	5.3
AUTHORITY (235050)	6.0	4.3	5.2
LSD VALUE	1.7	1.3	1.0
C.V. (%)	13.3	14.1	13.6

TABLE 24C. FALL COLOR (NOVEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1	VA1	MEAN
SR 7200	6.7	5.0	5.8
LEGENDARY	6.3	5.0	5.7
VESPER	6.3	4.3	5.3
GREENWICH	6.0	4.3	5.2
VILLA (IS-AC 1)	6.0	4.3	5.2
VENUS (EFD)	5.0	4.3	4.7
LSD VALUE	1.2	1.0	0.7
C.V. (%)	10.4	13.7	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 25A. FALL COLOR (DECEMBER) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1
INDEPENDENCE	8.3
T-1	7.7
SHARK (23R)	7.5
ALPHA	7.3
BENGAL	7.3
MEMORIAL (A03-EDI)	7.3
SR 7200	7.3
007 (DSB)	7.0
13-M	7.0
PENNCROSS	7.0
TYEE (SRX 1GD)	7.0
KINGPIN (9200)	6.7
VESPER	6.7
BENCHMARK DSR	6.3
LEGENDARY	6.3
LS-44	6.3
AUTHORITY (235050)	6.0
GREENWICH	6.0
IS-AP 9	6.0
PENN A-1	6.0
VILLA (IS-AC 1)	6.0
CY-2	5.7
MACKENZIE (SRX 1GPD)	5.7
DECLARATION	5.5
PENNLINKS II	5.3
VENUS (EFD)	5.0
LSD VALUE	1.7
C.V. (%)	14.8

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 25B. FALL COLOR (DECEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1
INDEPENDENCE	8.3
T-1	7.7
SHARK (23R)	7.5
ALPHA	7.3
BENGAL	7.3
MEMORIAL (A03-EDI)	7.3
007 (DSB)	7.0
13-M	7.0
PENNCROSS	7.0
TYEE (SRX 1GD)	7.0
KINGPIN (9200)	6.7
BENCHMARK DSR	6.3
LS-44	6.3
AUTHORITY (235050)	6.0
IS-AP 9	6.0
PENN A-1	6.0
CY-2	5.7
MACKENZIE (SRX 1GPD)	5.7
DECLARATION	5.5
PENNLINKS II	5.3
LSD VALUE	1.7
C.V. (%)	14.7

TABLE 25C. FALL COLOR (DECEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2005 DATA

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

NAME	AZ1
SR 7200	7.3
VESPER	6.7
LEGENDARY	6.3
GREENWICH	6.0
VILLA (IS-AC 1)	6.0
VENUS (EFD)	5.0
LSD VALUE	1.6
C.V. (%)	15.3

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

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



TABLE 26A. PERCENT DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN AT LEXINGTON, KY 2/  
2005 DATA

NAME	JULY 19	JULY 26	AUGUST	OCTOBER	MEAN
PENNCROSS	46.7	41.7	15.0	33.3	34.2
SHARK (23R)	22.3	13.3	20.0	43.3	24.8
BENGAL	22.7	15.3	17.3	35.0	22.6
INDEPENDENCE	27.7	15.7	15.7	28.3	21.8
T-1	21.0	15.0	18.0	33.3	21.8
LS-44	13.7	5.0	19.0	35.0	18.2
ALPHA	17.3	12.3	17.3	23.3	17.6
PENN A-1	14.0	8.0	10.3	25.7	14.5
TYEE (SRX 1GD)	13.0	6.7	12.0	25.0	14.2
MACKENZIE (SRX 1GPD)	13.3	5.7	11.3	24.0	13.6
007 (DSB)	9.7	5.7	11.0	19.0	11.3
IS-AP 9	10.3	3.0	12.7	18.0	11.0
AUTHORITY (235050)	9.0	3.3	8.0	23.3	10.9
PENNLINKS II	9.3	5.0	6.7	16.0	9.3
13-M	4.3	0.7	9.7	16.0	7.7
SR 7200	0.0	0.0	12.3	16.7	7.3
KINGPIN (9200)	7.0	1.7	4.7	12.0	6.3
VESPER	0.0	0.0	10.0	13.7	5.9
BENCHMARK DSR	2.3	2.3	4.0	13.3	5.5
CY-2	3.3	0.0	6.7	12.0	5.5
GREENWICH	0.0	0.0	11.0	10.3	5.3
MEMORIAL (A03-EDI)	2.0	0.0	5.3	14.0	5.3
LEGENDARY	0.0	0.0	7.7	10.3	4.5
VENUS (EFD)	0.0	0.0	5.0	8.0	3.3
VILLA (IS-AC 1)	0.0	0.0	6.0	7.0	3.3
DECLARATION	0.0	0.0	1.7	8.0	2.4
LSD VALUE	6.5	5.7	5.8	14.3	6.0
C.V. (%)	42.3	61.8	33.6	41.9	33.2

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 26B. PERCENT DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN AT LEXINGTON, KY 2/  
2005 DATA

NAME	JULY 19	JULY 26	AUGUST	OCTOBER	MEAN
PENNCROSS	46.7	41.7	15.0	33.3	34.2
SHARK (23R)	22.3	13.3	20.0	43.3	24.8
BENGAL	22.7	15.3	17.3	35.0	22.6
INDEPENDENCE	27.7	15.7	15.7	28.3	21.8
T-1	21.0	15.0	18.0	33.3	21.8
LS-44	13.7	5.0	19.0	35.0	18.2
ALPHA	17.3	12.3	17.3	23.3	17.6
PENN A-1	14.0	8.0	10.3	25.7	14.5
TYEE (SRX 1GD)	13.0	6.7	12.0	25.0	14.2
MACKENZIE (SRX 1GPD)	13.3	5.7	11.3	24.0	13.6
007 (DSB)	9.7	5.7	11.0	19.0	11.3
IS-AP 9	10.3	3.0	12.7	18.0	11.0
AUTHORITY (235050)	9.0	3.3	8.0	23.3	10.9
PENNLINKS II	9.3	5.0	6.7	16.0	9.3
13-M	4.3	0.7	9.7	16.0	7.7
KINGPIN (9200)	7.0	1.7	4.7	12.0	6.3
BENCHMARK DSR	2.3	2.3	4.0	13.3	5.5
CY-2	3.3	0.0	6.7	12.0	5.5
MEMORIAL (A03-EDI)	2.0	0.0	5.3	14.0	5.3
DECLARATION	0.0	0.0	1.7	8.0	2.4
LSD VALUE	7.6	6.6	5.4	17.6	6.9
C.V. (%)	36.9	53.9	30.2	41.5	31.8

TABLE 26C. PERCENT DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN AT LEXINGTON, KY 2/  
2005 DATA

NAME	JULY 19	JULY 26	AUGUST	OCTOBER	MEAN
SR 7200	0	0	12.3	16.7	7.3
VESPER	0	0	10.0	13.7	5.9
GREENWICH	0	0	11.0	10.3	5.3
LEGENDARY	0	0	7.7	10.3	4.5
VENUS (EFD)	0	0	5.0	8.0	3.3
VILLA (IS-AC 1)	0	0	6.0	7.0	3.3
LSD VALUE	0	0	9.4	6.6	3.7
C.V. (%)	.	.	47.7	29.9	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 27A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT RALEIGH, NC 1/  
2005 DATA

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

NAME	JUNE	JULY	AUGUST	SEPTEMBER	MEAN
DECLARATION	9.0	9.0	9.0	9.0	9.0
PENNCROSS	9.0	8.7	9.0	8.7	8.8
SR 7200	9.0	8.7	9.0	8.7	8.8
VILLA (IS-AC 1)	8.7	8.7	9.0	8.7	8.8
13-M	9.0	8.7	8.3	8.7	8.7
BENCHMARK DSR	9.0	8.3	9.0	8.3	8.7
CY-2	9.0	8.7	8.3	8.7	8.7
VENUS (EFD)	9.0	8.3	8.7	8.3	8.6
LEGENDARY	9.0	8.3	8.3	8.3	8.5
PENNLINKS II	8.7	8.3	8.3	8.3	8.4
AUTHORITY (235050)	9.0	7.7	8.7	7.7	8.3
MACKENZIE (SRX 1GPD)	8.3	8.0	8.7	8.0	8.3
MEMORIAL (A03-EDI)	8.7	8.0	8.7	8.0	8.3
007 (DSB)	9.0	7.7	8.3	7.7	8.2
IS-AP 9	9.0	7.7	8.3	7.7	8.2
KINGPIN (9200)	8.3	8.0	8.3	8.0	8.2
GREENWICH	8.3	7.7	8.7	7.7	8.1
LS-44	8.7	7.0	8.3	7.0	7.8
PENN A-1	8.3	7.3	7.7	7.3	7.7
VESPER	8.7	6.7	7.7	6.7	7.4
T-1	8.3	6.7	7.7	6.7	7.3
TYEE (SRX 1GD)	8.3	6.7	7.0	6.7	7.2
SHARK (23R)	7.7	6.3	7.3	6.3	6.9
ALPHA	7.7	6.0	7.3	6.0	6.8
BENGAL	7.7	6.3	7.0	6.3	6.8
INDEPENDENCE	7.7	6.3	7.0	6.3	6.8
LSD VALUE	1.6	1.1	1.2	1.1	0.8
C.V. (%)	7.7	8.8	7.9	8.8	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 27B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN AT RALEIGH, NC 1/  
2005 DATA

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

NAME	JUNE	JULY	AUGUST	SEPTEMBER	MEAN
DECLARATION	9.0	9.0	9.0	9.0	9.0
PENNCROSS	9.0	8.7	9.0	8.7	8.8
13-M	9.0	8.7	8.3	8.7	8.7
BENCHMARK DSR	9.0	8.3	9.0	8.3	8.7
CY-2	9.0	8.7	8.3	8.7	8.7
PENNLINKS II	8.7	8.3	8.3	8.3	8.4
AUTHORITY (235050)	9.0	7.7	8.7	7.7	8.3
MACKENZIE (SRX 1GPD)	8.3	8.0	8.7	8.0	8.3
MEMORIAL (A03-EDI)	8.7	8.0	8.7	8.0	8.3
007 (DSB)	9.0	7.7	8.3	7.7	8.2
IS-AP 9	9.0	7.7	8.3	7.7	8.2
KINGPIN (9200)	8.3	8.0	8.3	8.0	8.2
LS-44	8.7	7.0	8.3	7.0	7.8
PENN A-1	8.3	7.3	7.7	7.3	7.7
T-1	8.3	6.7	7.7	6.7	7.3
TYEE (SRX 1GD)	8.3	6.7	7.0	6.7	7.2
SHARK (23R)	7.7	6.3	7.3	6.3	6.9
ALPHA	7.7	6.0	7.3	6.0	6.8
BENGAL	7.7	6.3	7.0	6.3	6.8
INDEPENDENCE	7.7	6.3	7.0	6.3	6.8
LSD VALUE	1.5	1.1	1.3	1.1	0.9
C.V. (%)	7.8	8.8	8.7	8.8	6.7

TABLE 27C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN AT RALEIGH, NC 1/  
2005 DATA

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

NAME	JUNE	JULY	AUGUST	SEPTEMBER	MEAN
SR 7200	9.0	8.7	9.0	8.7	8.8
VILLA (IS-AC 1)	8.7	8.7	9.0	8.7	8.8
VENUS (EFD)	9.0	8.3	8.7	8.3	8.6
LEGENDARY	9.0	8.3	8.3	8.3	8.5
GREENWICH	8.3	7.7	8.7	7.7	8.1
VESPER	8.7	6.7	7.7	6.7	7.4
LSD VALUE	1.1	1.6	1.0	1.6	0.9
C.V. (%)	5.4	9.5	5.5	9.5	5.5

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 28A.

DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT BLACKSBURG, VA 1/  
2005 DATA

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

NAME	JUNE	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
13-M	9.0	8.3	8.3	8.3	7.7	8.3
VILLA (IS-AC 1)	9.0	7.7	8.0	8.7	8.0	8.3
MEMORIAL (A03-EDI)	8.7	8.0	8.0	7.3	7.7	7.9
SR 7200	8.3	8.0	8.3	7.7	7.3	7.9
VENUS (EFD)	8.7	8.7	7.3	8.7	6.3	7.9
LEGENDARY	7.7	8.0	8.0	8.3	7.0	7.8
DECLARATION	8.3	7.7	7.7	7.3	7.7	7.7
KINGPIN (9200)	8.7	7.3	7.7	7.3	7.7	7.7
CY-2	8.3	7.3	7.0	7.7	7.3	7.5
PENNLINKS II	8.3	7.7	7.0	6.7	7.7	7.5
BENCHMARK DSR	7.0	6.7	7.3	8.3	7.7	7.4
MACKENZIE (SRX 1GPD)	9.0	7.0	6.3	7.0	6.7	7.2
AUTHORITY (235050)	8.7	7.7	6.3	6.3	6.3	7.1
GREENWICH	7.7	7.3	6.3	7.3	7.0	7.1
PENN A-1	8.3	6.7	6.0	7.3	6.7	7.0
PENNCROSS	7.3	6.3	5.0	8.3	7.7	6.9
007 (DSB)	8.3	7.3	7.0	5.0	6.3	6.8
IS-AP 9	6.7	6.7	6.0	7.3	7.0	6.7
LS-44	7.3	6.3	5.7	7.3	7.0	6.7
T-1	8.0	5.7	5.0	7.0	7.3	6.6
VESPER	7.0	7.3	6.0	5.7	5.7	6.3
ALPHA	7.7	5.0	5.3	5.7	7.0	6.1
TYEE (SRX 1GD)	6.7	5.0	4.3	7.0	6.3	5.9
INDEPENDENCE	5.7	3.7	4.7	6.3	6.7	5.4
SHARK (23R)	8.0	5.7	4.3	4.0	5.0	5.4
BENGAL	7.0	5.0	3.0	4.3	6.3	5.1
LSD VALUE	1.5	1.3	2.2	2.0	3.1	0.9
C.V. (%)	10.4	11.8	19.9	16.6	15.8	8.2

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 28B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN AT BLACKSBURG, VA 1/  
2005 DATA

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

NAME	JUNE	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
13-M	9.0	8.3	8.3	8.3	7.7	8.3
MEMORIAL (A03-EDI)	8.7	8.0	8.0	7.3	7.7	7.9
DECLARATION	8.3	7.7	7.7	7.3	7.7	7.7
KINGPIN (9200)	8.7	7.3	7.7	7.3	7.7	7.7
CY-2	8.3	7.3	7.0	7.7	7.3	7.5
PENNLINKS II	8.3	7.7	7.0	6.7	7.7	7.5
BENCHMARK DSR	7.0	6.7	7.3	8.3	7.7	7.4
MACKENZIE (SRX 1GPD)	9.0	7.0	6.3	7.0	6.7	7.2
AUTHORITY (235050)	8.7	7.7	6.3	6.3	6.3	7.1
PENN A-1	8.3	6.7	6.0	7.3	6.7	7.0
PENNCROSS	7.3	6.3	5.0	8.3	7.7	6.9
007 (DSB)	8.3	7.3	7.0	5.0	6.3	6.8
IS-AP 9	6.7	6.7	6.0	7.3	7.0	6.7
LS-44	7.3	6.3	5.7	7.3	7.0	6.7
T-1	8.0	5.7	5.0	7.0	7.3	6.6
ALPHA	7.7	5.0	5.3	5.7	7.0	6.1
TYEE (SRX 1GD)	6.7	5.0	4.3	7.0	6.3	5.9
INDEPENDENCE	5.7	3.7	4.7	6.3	6.7	5.4
SHARK (23R)	8.0	5.7	4.3	4.0	5.0	5.4
BENGAL	7.0	5.0	3.0	4.3	6.3	5.1
LSD VALUE	1.7	1.3	2.3	2.3	2.5	0.9
C.V. (%)	11.5	12.3	21.5	18.3	14.4	8.5

TABLE 28C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN AT BLACKSBURG, VA 1/  
2005 DATA

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

NAME	JUNE	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
VILLA (IS-AC 1)	9.0	7.7	8.0	8.7	8.0	8.3
SR 7200	8.3	8.0	8.3	7.7	7.3	7.9
VENUS (EFD)	8.7	8.7	7.3	8.7	6.3	7.9
LEGENDARY	7.7	8.0	8.0	8.3	7.0	7.8
GREENWICH	7.7	7.3	6.3	7.3	7.0	7.1
VESPER	7.0	7.3	6.0	5.7	5.7	6.3
LSD VALUE	0.9	2.0	2.5	1.3	3.3	1.0
C.V. (%)	6.3	10.9	15.9	9.4	20.1	6.8

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

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

TABLE 29A. BROWN PATCH RATINGS OF BENTGRASS CULTIVARS  
 GROWN ON A GREEN AT ORONO, ME 1/  
 2005 DATA

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

NAME	JULY	AUGUST	MEAN
LEGENDARY	9.0	9.0	9.0
VENUS (EFD)	9.0	9.0	9.0
VESPER	9.0	9.0	9.0
GREENWICH	8.7	9.0	8.8
SR 7200	8.7	9.0	8.8
VILLA (IS-AC 1)	8.7	9.0	8.8
AUTHORITY (235050)	8.0	8.7	8.3
IS-AP 9	8.0	8.7	8.3
13-M	8.0	8.0	8.0
INDEPENDENCE	7.3	8.7	8.0
SHARK (23R)	8.0	8.0	8.0
DECLARATION	8.0	7.7	7.8
MEMORIAL (A03-EDI)	8.0	7.7	7.8
PENN A-1	8.0	7.3	7.7
T-1	7.7	7.3	7.5
BENCHMARK DSR	7.0	7.7	7.3
CY-2	6.7	8.0	7.3
LS-44	6.3	8.3	7.3
MACKENZIE (SRX 1GPD)	6.7	7.7	7.2
PENNLINKS II	6.0	8.3	7.2
007 (DSB)	6.3	7.7	7.0
KINGPIN (9200)	5.7	8.3	7.0
BENGAL	6.0	7.7	6.8
TYEE (SRX 1GD)	6.0	7.7	6.8
ALPHA	6.0	7.0	6.5
PENNCROSS	4.0	7.7	5.8
LSD VALUE	2.1	1.3	1.2
C.V. (%)	16.1	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 29B. BROWN PATCH RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN AT ORONO, ME 1/  
2005 DATA

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

NAME	JULY	AUGUST	MEAN
AUTHORITY (235050)	8.0	8.7	8.3
IS-AP 9	8.0	8.7	8.3
13-M	8.0	8.0	8.0
INDEPENDENCE	7.3	8.7	8.0
SHARK (23R)	8.0	8.0	8.0
DECLARATION	8.0	7.7	7.8
MEMORIAL (A03-EDI)	8.0	7.7	7.8
PENN A-1	8.0	7.3	7.7
T-1	7.7	7.3	7.5
BENCHMARK DSR	7.0	7.7	7.3
CY-2	6.7	8.0	7.3
LS-44	6.3	8.3	7.3
MACKENZIE (SRX 1GPD)	6.7	7.7	7.2
PENNLINKS II	6.0	8.3	7.2
007 (DSB)	6.3	7.7	7.0
KINGPIN (9200)	5.7	8.3	7.0
BENGAL	6.0	7.7	6.8
TYEE (SRX 1GD)	6.0	7.7	6.8
ALPHA	6.0	7.0	6.5
PENNCROSS	4.0	7.7	5.8
LSD VALUE	2.7	2.3	1.7
C.V. (%)	18.9	9.9	10.5

TABLE 29C. BROWN PATCH RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN AT ORONO, ME 1/  
2005 DATA

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

NAME	JULY	AUGUST	MEAN
LEGENDARY	9.0	9	9.0
VENUS (EFD)	9.0	9	9.0
VESPER	9.0	9	9.0
GREENWICH	8.7	9	8.8
SR 7200	8.7	9	8.8
VILLA (IS-AC 1)	8.7	9	8.8
LSD VALUE	1.0	0	0.5
C.V. (%)	4.6	0	2.3

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 30A. BROWN PATCH RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT RALEIGH, NC 1/  
2005 DATA

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

NAME	JUNE	JULY	AUGUST	SEPTEMBER	MEAN
GREENWICH	8.3	9.0	9.0	9.0	8.8
VENUS (EFD)	8.3	8.7	8.7	9.0	8.7
VILLA (IS-AC 1)	9.0	8.3	8.3	8.7	8.6
LEGENDARY	9.0	8.3	8.3	8.3	8.5
VESPER	9.0	8.7	8.7	7.7	8.5
CY-2	8.3	8.7	8.7	8.0	8.4
SR 7200	8.7	8.3	8.3	8.3	8.4
DECLARATION	9.0	7.7	7.7	7.0	7.8
LS-44	9.0	7.3	7.3	7.3	7.8
13-M	9.0	7.3	7.3	7.0	7.7
IS-AP 9	9.0	7.3	7.3	7.0	7.7
MEMORIAL (A03-EDI)	8.3	7.7	7.7	6.7	7.6
T-1	8.7	7.0	7.0	7.7	7.6
007 (DSB)	8.7	7.0	7.0	7.3	7.5
ALPHA	9.0	7.0	7.0	6.7	7.4
PENNLINKS II	8.7	7.0	7.0	7.0	7.4
BENCHMARK DSR	8.3	7.0	7.0	6.7	7.3
PENNCROSS	9.0	7.7	7.7	5.0	7.3
INDEPENDENCE	9.0	6.7	6.7	6.3	7.2
TYEE (SRX 1GD)	8.3	6.7	6.7	7.0	7.2
KINGPIN (9200)	9.0	6.3	6.3	6.7	7.1
SHARK (23R)	8.7	6.7	6.7	6.3	7.1
MACKENZIE (SRX 1GPD)	9.0	6.7	6.7	5.7	7.0
AUTHORITY (235050)	8.7	6.7	6.7	5.7	6.9
BENGAL	9.0	6.0	6.0	6.0	6.8
PENN A-1	8.0	6.3	6.3	6.7	6.8
LSD VALUE	2.8	1.7	1.7	1.3	1.1
C.V. (%)	8.2	12.1	12.1	11.0	7.8

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

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

TABLE 30B. BROWN PATCH RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN AT RALEIGH, NC 1/  
2005 DATA

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

NAME	JUNE	JULY	AUGUST	SEPTEMBER	MEAN
CY-2	8.3	8.7	8.7	8.0	8.4
DECLARATION	9.0	7.7	7.7	7.0	7.8
LS-44	9.0	7.3	7.3	7.3	7.8
13-M	9.0	7.3	7.3	7.0	7.7
IS-AP 9	9.0	7.3	7.3	7.0	7.7
MEMORIAL (A03-EDI)	8.3	7.7	7.7	6.7	7.6
T-1	8.7	7.0	7.0	7.7	7.6
007 (DSB)	8.7	7.0	7.0	7.3	7.5
ALPHA	9.0	7.0	7.0	6.7	7.4
PENNLINKS II	8.7	7.0	7.0	7.0	7.4
BENCHMARK DSR	8.3	7.0	7.0	6.7	7.3
PENNCROSS	9.0	7.7	7.7	5.0	7.3
INDEPENDENCE	9.0	6.7	6.7	6.3	7.2
TYEE (SRX 1GD)	8.3	6.7	6.7	7.0	7.2
KINGPIN (9200)	9.0	6.3	6.3	6.7	7.1
SHARK (23R)	8.7	6.7	6.7	6.3	7.1
MACKENZIE (SRX 1GPD)	9.0	6.7	6.7	5.7	7.0
AUTHORITY (235050)	8.7	6.7	6.7	5.7	6.9
BENGAL	9.0	6.0	6.0	6.0	6.8
PENN A-1	8.0	6.3	6.3	6.7	6.8
LSD VALUE	2.5	2.7	2.7	1.8	1.9
C.V. (%)	8.1	13.8	13.8	12.7	8.9

TABLE 30C. BROWN PATCH RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN AT RALEIGH, NC 1/  
2005 DATA

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

NAME	JUNE	JULY	AUGUST	SEPTEMBER	MEAN
GREENWICH	8.3	9.0	9.0	9.0	8.8
VENUS (EFD)	8.3	8.7	8.7	9.0	8.7
VILLA (IS-AC 1)	9.0	8.3	8.3	8.7	8.6
LEGENDARY	9.0	8.3	8.3	8.3	8.5
VESPER	9.0	8.7	8.7	7.7	8.5
SR 7200	8.7	8.3	8.3	8.3	8.4
LSD VALUE	1.8	1.5	1.5	1.0	0.6
C.V. (%)	8.3	7.0	7.0	5.7	3.0

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 31A. BROWN PATCH RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT BLACKSBURG, VA 1/  
2005 DATA

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

NAME	JUNE	JULY	MEAN
LEGENDARY	9.0	9.0	9.0
GREENWICH	9.0	8.0	8.5
MACKENZIE (SRX 1GPD)	8.0	8.3	8.2
SR 7200	7.7	8.7	8.2
VESPER	9.0	7.3	8.2
VILLA (IS-AC 1)	7.7	8.7	8.2
VENUS (EFD)	8.3	7.7	8.0
007 (DSB)	8.0	7.7	7.8
BENGAL	8.0	7.7	7.8
LS-44	8.0	7.3	7.7
ALPHA	7.3	7.7	7.5
DECLARATION	8.3	6.7	7.5
T-1	6.7	8.0	7.3
TYEE (SRX 1GD)	6.3	8.3	7.3
AUTHORITY (235050)	8.0	6.0	7.0
BENCHMARK DSR	6.7	7.3	7.0
13-M	7.0	6.7	6.8
PENN A-1	7.0	6.3	6.7
MEMORIAL (A03-EDI)	6.3	6.7	6.5
INDEPENDENCE	6.0	6.7	6.3
SHARK (23R)	7.0	5.7	6.3
KINGPIN (9200)	5.3	6.0	5.7
PENNCROSS	5.0	6.3	5.7
IS-AP 9	6.0	5.0	5.5
PENNLINKS II	5.0	5.7	5.3
CY-2	5.7	4.7	5.2
LSD VALUE	2.8	4.9	2.8
C.V. (%)	19.4	25.0	18.3

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 31B. BROWN PATCH RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN AT BLACKSBURG, VA 1/  
2005 DATA

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

NAME	JUNE	JULY	MEAN
MACKENZIE (SRX 1GPD)	8.0	8.3	8.2
007 (DSB)	8.0	7.7	7.8
BENGAL	8.0	7.7	7.8
LS-44	8.0	7.3	7.7
ALPHA	7.3	7.7	7.5
DECLARATION	8.3	6.7	7.5
T-1	6.7	8.0	7.3
TYEE (SRX 1GD)	6.3	8.3	7.3
AUTHORITY (235050)	8.0	6.0	7.0
BENCHMARK DSR	6.7	7.3	7.0
13-M	7.0	6.7	6.8
PENN A-1	7.0	6.3	6.7
MEMORIAL (A03-EDI)	6.3	6.7	6.5
INDEPENDENCE	6.0	6.7	6.3
SHARK (23R)	7.0	5.7	6.3
KINGPIN (9200)	5.3	6.0	5.7
PENNCROSS	5.0	6.3	5.7
IS-AP 9	6.0	5.0	5.5
PENNLINKS II	5.0	5.7	5.3
CY-2	5.7	4.7	5.2
LSD VALUE	3.0	6.2	3.7
C.V. (%)	20.0	29.2	20.7

TABLE 31C. BROWN PATCH RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN AT BLACKSBURG, VA 1/  
2005 DATA

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

NAME	JUNE	JULY	MEAN
LEGENDARY	9.0	9.0	9.0
GREENWICH	9.0	8.0	8.5
SR 7200	7.7	8.7	8.2
VESPER	9.0	7.3	8.2
VILLA (IS-AC 1)	7.7	8.7	8.2
VENUS (EFD)	8.3	7.7	8.0
LSD VALUE	2.8	1.8	2.1
C.V. (%)	14.0	9.8	10.0

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

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

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR BENTGRASS CULTIVARS  
 GROWN ON A GREEN \*/  
 2005 DATA

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

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
007 (DSB)	6.5	40.9
13-M	6.2	18.2
ALPHA	6.2	9.1
AUTHORITY (235050)	6.6	45.5
BENCHMARK DSR	6.3	18.2
BENGAL	6.2	4.5
CY-2	6.6	40.9
DECLARATION	6.6	40.9
GREENWICH	5.3	18.2
INDEPENDENCE	6.4	27.3
IS-AP 9	6.4	27.3
KINGPIN (9200)	6.3	22.7
LEGENDARY	5.4	18.2
LS-44	6.4	27.3
MACKENZIE (SRX 1GPD)	6.5	50.0
MEMORIAL (A03-EDI)	6.4	31.8
PENN A-1	6.3	18.2
PENNCROSS	5.2	4.5
PENNLINKS II	5.7	0.0
SHARK (23R)	6.5	31.8
SR 7200	5.1	9.1
T-1	6.4	31.8
TYEE (SRX 1GD)	6.4	27.3
VENUS (EFD)	5.3	18.2
VESPER	5.1	9.1
VILLA (IS-AC 1)	5.4	9.1
LSD VALUE	0.2	
C.V. (%)	8.8	

\*/ 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.