

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 2007

<u>State</u>	<u>Location</u>	<u>Code</u>
Arkansas	Fayetteville	AR1
Arizona	Tucson	AZ1
Illinois	Urbana	IL1
Indiana	West Lafayette	IN1
Iowa	Ames	IA1
Kansas	Manhattan	KS1
Kentucky	Lexington	KY1
Massachusetts	Amherst	MA1
Michigan	East Lansing	MI1
Minnesota	St. Paul	MN1
Nebraska	Mead	NE1
New Jersey	North Brunswick	NJ1
New York	Ithaca	NY1
New York	Farmingdale (Reduced Fungicides)	NY2
North Carolina	Raleigh	NC1
Oklahoma	Stillwater	OK1
Pennsylvania	University Park	PA1
Quebec	Quebec City	QE1
South Dakota	Brookings	SD1
Texas	Dallas	TX1
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	Cobra 2 (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	MacKenzie (SRX 1GPD)	creeping	Seed Research of Oregon/ Pickseed
*25	Tyee (SRX 1GD)	creeping	Seed Research of Oregon
*26	Pennlinks II	creeping	Tee-2-Green Corp.

* COMMERCIALY AVAILABLE IN THE USA IN 2008.

TABLE A.

2007 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2003 NATIONAL BENTGRASS (GREEN) TEST

LOCATION	SOIL TEXTURE	SOIL PH	SOIL PHOSPHOROUS (LBS/ACRE)	SOIL POTASSIUM (LBS/ACRE)	NITROGEN (LBS/1000 SQ FT)	SUN OR SHADE	MOWING HEIGHT (IN)	IRRIGATION PRACTICED
AR1	SAND	6.1-6.5	0-60	0-150	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
AZ1	SAND	8.6+	0-60	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	241-375	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
IN1	LOAMY SAND	7.6-8.5	0-60	151-240	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
KS1	-	-	-	-	-	-	-	-
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
MI1	SANDY LOAM	7.1-7.5	61-150	151-240	4.1-5.0	PARTIAL SHADE	0.0-0.5	TO PREVENT STRESS
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	61-150	0-150	5.1-6.0	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	6.6-7.0	0-60	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NY1	SANDY LOAM	6.1-6.5	151-270	241-375	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NY2	LOAMY SAND	4.6-5.5	0-60	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
OK1	SAND	7.1-7.5	61-150	0-150	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
PA1	SANDY LOAM	6.6-7.0	151-270	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
QE1	-	-	-	-	-	-	-	-
SD1	SILTY CLAY LOAM	7.6-8.5	0-60	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	SANDY LOAM	6.6-7.0	61-150	151-240	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
WA3	SAND	6.1-6.5	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 2007

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE
AR1			X		X	X	X	X	X	X			X		
AZ1	X	X	X	X	X	X	X						X	X	X
IA1				X	X	X	X	X	X	X			X	X	X
IL1				X	X	X	X	X	X	X			X	X	
IN1				X	X	X	X	X	X	X			X	X	X
KS1					X	X	X	X							
KY1			X	X	X	X	X	X	X	X				X	
MA1				X	X	X	X	X	X	X				X	
MI1				X	X	X	X		X	X	X		X	X	X
MN1					X	X	X	X	X	X			X	X	
NC1	X	X	X	X	X	X	X	X	X	X			X	X	X
NE1				X	X	X	X	X	X	X			X		
NJ1				X	X	X	X	X	X	X			X	X	X
NY1				X	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	
PA1					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	
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		
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 2007

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	DROUGHT TOLERANCE WILTING	DOLLAR SPOT	ANTHRACNOSE RATINGS
AR1	X		X							
AZ1	X	X		X						
IA1										
IL1		X								
IN1		X								
KS1									X	
KY1										
MA1						X				
MI1	X		X	X		X				
MN1		X							X	
NC1		X							X	
NE1	X	X	X							
NJ1			X							X
NY1										
NY2										
OK1		X		X	X		X			
PA1		X								
QE1	X	X	X							
SD1					X					
TX1	X	X	X					X	X	
UT1		X								
VA1									X	
WA3		X								
WI1	X	X								

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2007

LOCATION	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	POA ANNUA	PERCENT POA ANNUA	CORE AERIFICATION RECOVERY	PERCENT DOLLAR SPOT	COPPER SPOT	SNOW MOLD	WEAR TOLERANCE SPRING	FALL
AR1							X					
AZ1												
IA1												
IL1												
IN1				X		X						
KS1												
KY1								X				
MA1											X	X
MI1												
MN1												
NC1												
NE1												
NJ1									X			
NY1												
NY2												
OK1												
PA1												
QE1												
SD1												
TX1	X	X	X	X								
UT1										X		
VA1												
WA3												
WI1												

TABLE 1A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON
A SAND GREEN AT ELEVEN LOCATIONS IN THE U.S. AND CANADA 1/
2007 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
	AR1	AZ1	KS1	MN1	NC1	NE1	NJ1	OK1	QE1	TX1	UT1	MEAN
* CY-2	7.6	7.3	4.6	6.3	8.0	7.1	6.4	5.4	4.4	6.2	6.0	6.3
* 007 (DSB)	7.8	7.0	4.4	7.4	8.0	6.9	6.2	5.0	3.8	6.4	5.4	6.2
* DECLARATION	7.1	7.3	5.6	6.6	7.7	6.7	5.5	5.1	4.7	6.5	4.8	6.2
* SHARK (23R)	7.4	7.0	4.8	5.6	7.8	6.7	6.8	5.0	4.0	6.1	5.6	6.1
* LS-44	6.9	7.0	4.3	6.1	7.8	7.4	4.4	4.7	5.6	6.1	6.3	6.1
* MEMORIAL (A03-EDI)	6.9	6.6	5.3	6.6	7.3	7.2	4.3	4.5	5.2	6.5	6.2	6.1
* MACKENZIE (SRX 1GPD)	7.0	6.8	4.8	5.5	8.0	6.6	6.7	5.2	4.4	6.4	5.1	6.0
* INDEPENDENCE	7.0	7.8	4.0	5.3	7.4	7.5	7.0	4.6	4.1	6.0	5.7	6.0
* PENN A-1	7.4	6.8	3.7	6.2	8.1	6.8	5.7	5.0	4.6	6.2	5.6	6.0
* AUTHORITY (235050)	7.3	6.4	4.4	6.3	7.6	6.8	5.5	5.5	4.9	6.1	5.0	6.0
13-M	7.0	6.9	4.1	6.1	7.3	7.3	4.8	4.9	4.8	6.3	5.8	5.9
* BENCHMARK DSR	7.0	6.7	4.5	6.3	7.9	7.3	4.4	4.6	5.1	6.0	5.4	5.9
* TYEE (SRX 1GD)	7.3	6.6	4.0	5.6	7.5	6.5	6.8	5.3	3.6	6.4	5.4	5.9
* COBRA 2 (IS-AP 9)	6.9	6.5	4.7	6.3	8.0	6.8	4.1	4.3	5.2	6.1	5.9	5.9
* ALPHA	6.7	7.0	4.4	5.4	7.6	7.5	4.2	4.4	5.9	5.6	5.8	5.9
* BENGAL	6.4	7.3	4.3	5.6	7.3	7.1	4.6	4.8	4.1	6.1	6.0	5.8
* T-1	7.2	7.3	3.9	6.2	6.9	7.3	4.5	4.2	4.4	6.0	5.4	5.7
* KINGPIN (9200)	6.9	6.4	3.9	6.5	7.5	7.1	3.8	4.9	3.8	6.2	5.5	5.7
* PENNLINKS II	5.9	6.2	4.2	5.3	5.9	7.6	2.9	4.1	5.1	5.9	5.0	5.3
* PENNCROSS	5.0	6.3	4.0	3.7	4.9	7.8	2.1	3.8	5.5	5.4	4.5	4.8
* VENUS (EFD)	5.0	6.1	4.2	2.4	5.2	7.4	5.7	1.9	6.1	5.8	1.8	4.7
* VILLA (IS-AC 1)	5.6	6.5	3.5	2.3	5.2	7.0	6.2	2.0	5.5	5.8	1.8	4.7
* GREENWICH	4.9	6.5	3.8	2.8	5.3	6.4	6.0	2.1	5.7	5.7	1.7	4.6
* LEGENDARY	4.5	6.6	3.7	2.4	4.7	6.6	6.6	2.0	5.4	5.9	1.8	4.5
* VESPER	4.6	6.6	3.8	2.4	4.9	6.9	5.2	2.0	5.2	5.8	1.7	4.5
* SR 7200	3.6	6.6	3.8	2.1	4.7	6.7	5.5	2.0	6.1	5.9	1.6	4.4
LSD VALUE	0.6	1.1	0.9	0.9	0.8	0.6	1.0	0.3	1.1	0.3	0.7	0.2
C.V. (%)	6.1	9.7	12.5	10.7	7.2	5.4	12.3	5.0	14.1	3.5	9.6	8.9

* COMMERCIALY AVAILABLE IN THE USA IN 2008.

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 ELEVEN LOCATIONS IN THE U.S. AND CANADA 1/ 2007 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
	AR1	AZ1	KS1	MN1	NC1	NE1	NJ1	OK1	QE1	TX1	UT1	MEAN
CY-2	7.6	7.3	4.6	6.3	8.0	7.1	6.4	5.4	4.4	6.2	6.0	6.3
007 (DSB)	7.8	7.0	4.4	7.4	8.0	6.9	6.2	5.0	3.8	6.4	5.4	6.2
DECLARATION	7.1	7.3	5.6	6.6	7.7	6.7	5.5	5.1	4.7	6.5	4.8	6.2
SHARK (23R)	7.4	7.0	4.8	5.6	7.8	6.7	6.8	5.0	4.0	6.1	5.6	6.1
LS-44	6.9	7.0	4.3	6.1	7.8	7.4	4.4	4.7	5.6	6.1	6.3	6.1
MEMORIAL (A03-EDI)	6.9	6.6	5.3	6.6	7.3	7.2	4.3	4.5	5.2	6.5	6.2	6.1
MACKENZIE (SRX 1GPD)	7.0	6.8	4.8	5.5	8.0	6.6	6.7	5.2	4.4	6.4	5.1	6.0
INDEPENDENCE	7.0	7.8	4.0	5.3	7.4	7.5	7.0	4.6	4.1	6.0	5.7	6.0
PENN A-1	7.4	6.8	3.7	6.2	8.1	6.8	5.7	5.0	4.6	6.2	5.6	6.0
AUTHORITY (235050)	7.3	6.4	4.4	6.3	7.6	6.8	5.5	5.5	4.9	6.1	5.0	6.0
13-M	7.0	6.9	4.1	6.1	7.3	7.3	4.8	4.9	4.8	6.3	5.8	5.9
BENCHMARK DSR	7.0	6.7	4.5	6.3	7.9	7.3	4.4	4.6	5.1	6.0	5.4	5.9
TYEE (SRX 1GD)	7.3	6.6	4.0	5.6	7.5	6.5	6.8	5.3	3.6	6.4	5.4	5.9
COBRA 2 (IS-AP 9)	6.9	6.5	4.7	6.3	8.0	6.8	4.1	4.3	5.2	6.1	5.9	5.9
ALPHA	6.7	7.0	4.4	5.4	7.6	7.5	4.2	4.4	5.9	5.6	5.8	5.9
BENGAL	6.4	7.3	4.3	5.6	7.3	7.1	4.6	4.8	4.1	6.1	6.0	5.8
T-1	7.2	7.3	3.9	6.2	6.9	7.3	4.5	4.2	4.4	6.0	5.4	5.7
KINGPIN (9200)	6.9	6.4	3.9	6.5	7.5	7.1	3.8	4.9	3.8	6.2	5.5	5.7
PENNLINKS II	5.9	6.2	4.2	5.3	5.9	7.6	2.9	4.1	5.1	5.9	5.0	5.3
PENNCROSS	5.0	6.3	4.0	3.7	4.9	7.8	2.1	3.8	5.5	5.4	4.5	4.8
LSD VALUE	0.6	1.0	0.9	1.0	0.8	0.6	1.1	0.4	1.1	0.3	0.8	0.3
C.V. (%)	5.5	9.4	12.8	10.1	6.9	5.3	13.8	4.8	14.9	3.3	9.1	8.8

TABLE 1C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON A SAND GREEN AT ELEVEN LOCATIONS IN THE U.S. AND CANADA 1/ 2007 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
	AR1	AZ1	KS1	MN1	NC1	NE1	NJ1	OK1	QE1	TX1	UT1	MEAN
VENUS (EFD)	5.0	6.1	4.2	2.4	5.2	7.4	5.7	1.9	6.1	5.8	1.8	4.7
VILLA (IS-AC 1)	5.6	6.5	3.5	2.3	5.2	7.0	6.2	2.0	5.5	5.8	1.8	4.7
GREENWICH	4.9	6.5	3.8	2.8	5.3	6.4	6.0	2.1	5.7	5.7	1.7	4.6
LEGENDARY	4.5	6.6	3.7	2.4	4.7	6.6	6.6	2.0	5.4	5.9	1.8	4.5
VESPER	4.6	6.6	3.8	2.4	4.9	6.9	5.2	2.0	5.2	5.8	1.7	4.5
SR 7200	3.6	6.6	3.8	2.1	4.7	6.7	5.5	2.0	6.1	5.9	1.6	4.4
LSD VALUE	0.7	1.1	0.7	0.5	0.7	0.6	0.7	0.2	1.1	0.4	0.2	0.2
C.V. (%)	9.1	10.6	10.8	12.6	8.3	5.8	7.7	4.9	11.7	3.9	5.6	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 2A. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A SOIL GREEN AT TEN LOCATIONS IN THE U.S. AND CANADA 1/ 2007 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/										
	IA1	IL1	IN1	KY1	MI1	NY1	PA1	SD1	VA1	WI1	MEAN
DECLARATION	6.9	6.8	8.1	6.7	6.4	6.7	7.4	5.4	6.0	7.2	6.8
TYEE (SRX 1GD)	6.6	7.2	8.2	4.2	6.7	6.8	7.9	6.1	6.5	7.3	6.7
AUTHORITY (235050)	7.2	6.3	8.1	5.0	7.1	6.8	7.6	5.6	6.4	6.9	6.7
SHARK (23R)	7.3	6.7	8.4	4.1	6.4	7.0	7.4	5.7	6.0	7.6	6.7
CY-2	6.6	6.7	8.0	5.4	5.4	6.3	7.1	6.8	6.6	7.6	6.7
MACKENZIE (SRX 1GPD)	7.0	7.1	8.2	4.3	6.6	6.7	7.7	6.1	6.3	6.0	6.6
COBRA 2 (IS-AP 9)	7.4	6.5	8.0	5.4	6.5	6.4	6.6	6.6	5.9	6.8	6.6
MEMORIAL (A03-EDI)	6.3	5.9	7.8	7.2	5.3	6.7	6.7	6.5	6.6	7.0	6.6
007 (DSB)	7.0	6.5	8.1	4.5	6.0	7.0	7.6	5.3	6.2	7.4	6.6
KINGPIN (9200)	6.4	6.4	8.1	6.3	5.6	6.6	6.7	6.4	6.4	6.3	6.5
LS-44	7.2	6.6	7.6	4.8	5.3	7.0	6.7	6.2	6.1	6.8	6.4
13-M	6.8	5.9	7.7	6.3	5.6	6.6	6.1	6.1	6.1	6.9	6.4
INDEPENDENCE	6.7	6.6	8.0	4.5	5.6	6.6	7.2	5.8	5.3	6.9	6.3
BENCHMARK DSR	6.3	5.3	8.1	6.0	5.3	6.7	7.0	6.2	5.5	6.2	6.3
T-1	7.1	6.9	8.2	4.2	5.4	6.5	6.7	5.9	5.6	6.3	6.3
PENN A-1	6.7	5.2	8.3	5.1	5.9	6.4	6.8	5.5	6.0	6.6	6.2
ALPHA	6.6	6.5	8.0	4.2	4.8	6.7	6.8	6.1	5.5	6.5	6.2
BENGAL	6.8	6.6	8.0	3.8	5.6	6.2	6.2	6.3	5.5	6.3	6.1
PENNLINKS II	6.0	3.4	6.7	5.5	3.9	6.7	5.0	6.4	5.1	6.0	5.5
VENUS (EFD)	5.8	5.1	.	5.0	4.7	6.2	2.6	5.5	5.7	6.8	5.3
VILLA (IS-AC 1)	6.5	4.7	.	4.5	4.9	6.0	2.5	5.7	5.5	7.0	5.2
GREENWICH	6.3	4.7	.	4.8	4.5	6.4	1.8	5.6	6.0	6.3	5.2
LEGENDARY	6.2	4.4	.	4.3	4.8	6.1	2.4	5.5	5.8	6.6	5.1
PENNCROSS	6.1	3.5	6.5	4.2	4.3	6.3	4.3	5.7	5.0	5.2	5.1
VESPER	5.7	4.3	.	4.5	4.0	6.1	1.7	5.3	5.6	6.3	4.8
SR 7200	6.2	3.5	.	5.1	4.9	5.7	1.2	5.1	5.1	5.8	4.7
LSD VALUE	0.6	0.8	0.7	0.8	1.3	0.7	0.6	0.8	0.8	0.6	0.3
C.V. (%)	5.8	8.8	5.5	9.9	14.5	6.6	7.0	8.8	8.4	5.8	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 2B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON A SOIL GREEN AT TEN LOCATIONS IN THE U.S. AND CANADA 1/ 2007 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/										
	IA1	IL1	IN1	KY1	MI1	NY1	PA1	SD1	VA1	WI1	MEAN
DECLARATION	6.9	6.8	8.1	6.7	6.4	6.7	7.4	5.4	6.0	7.2	6.8
TYEE (SRX 1GD)	6.6	7.2	8.2	4.2	6.7	6.8	7.9	6.1	6.5	7.3	6.7
AUTHORITY (235050)	7.2	6.3	8.1	5.0	7.1	6.8	7.6	5.6	6.4	6.9	6.7
SHARK (23R)	7.3	6.7	8.4	4.1	6.4	7.0	7.4	5.7	6.0	7.6	6.7
CY-2	6.6	6.7	8.0	5.4	5.4	6.3	7.1	6.8	6.6	7.6	6.7
MACKENZIE (SRX 1GPD)	7.0	7.1	8.2	4.3	6.6	6.7	7.7	6.1	6.3	6.0	6.6
COBRA 2 (IS-AP 9)	7.4	6.5	8.0	5.4	6.5	6.4	6.6	6.6	5.9	6.8	6.6
MEMORIAL (A03-EDI)	6.3	5.9	7.8	7.2	5.3	6.7	6.7	6.5	6.6	7.0	6.6
007 (DSB)	7.0	6.5	8.1	4.5	6.0	7.0	7.6	5.3	6.2	7.4	6.6
KINGPIN (9200)	6.4	6.4	8.1	6.3	5.6	6.6	6.7	6.4	6.4	6.3	6.5
LS-44	7.2	6.6	7.6	4.8	5.3	7.0	6.7	6.2	6.1	6.8	6.4
13-M	6.8	5.9	7.7	6.3	5.6	6.6	6.1	6.1	6.1	6.9	6.4
INDEPENDENCE	6.7	6.6	8.0	4.5	5.6	6.6	7.2	5.8	5.3	6.9	6.3
BENCHMARK DSR	6.3	5.3	8.1	6.0	5.3	6.7	7.0	6.2	5.5	6.2	6.3
T-1	7.1	6.9	8.2	4.2	5.4	6.5	6.7	5.9	5.6	6.3	6.3
PENN A-1	6.7	5.2	8.3	5.1	5.9	6.4	6.8	5.5	6.0	6.6	6.2
ALPHA	6.6	6.5	8.0	4.2	4.8	6.7	6.8	6.1	5.5	6.5	6.2
BENGAL	6.8	6.6	8.0	3.8	5.6	6.2	6.2	6.3	5.5	6.3	6.1
PENNLINKS II	6.0	3.4	6.7	5.5	3.9	6.7	5.0	6.4	5.1	6.0	5.5
PENNCROSS	6.1	3.5	6.5	4.2	4.3	6.3	4.3	5.7	5.0	5.2	5.1
LSD VALUE	0.6	0.8	0.7	0.8	1.3	0.7	0.6	0.8	0.8	0.6	0.3
C.V. (%)	5.6	8.3	5.5	9.7	14.5	6.4	5.6	8.7	8.3	5.7	7.9

TABLE 2C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON A SOIL GREEN AT NINE LOCATIONS IN THE U.S. AND CANADA 1/ 2007 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/									
	IA1	IL1	KY1	MI1	NY1	PA1	SD1	VA1	WI1	MEAN
VENUS (EFD)	5.8	5.1	5.0	4.7	6.2	2.6	5.5	5.7	6.8	5.3
VILLA (IS-AC 1)	6.5	4.7	4.5	4.9	6.0	2.5	5.7	5.5	7.0	5.2
GREENWICH	6.3	4.7	4.8	4.5	6.4	1.8	5.6	6.0	6.3	5.2
LEGENDARY	6.2	4.4	4.3	4.8	6.1	2.4	5.5	5.8	6.6	5.1
VESPER	5.7	4.3	4.5	4.0	6.1	1.7	5.3	5.6	6.3	4.8
SR 7200	6.2	3.5	5.1	4.9	5.7	1.2	5.1	5.1	5.8	4.7
LSD VALUE	0.6	0.8	0.8	1.1	0.7	0.7	0.8	0.8	0.6	0.3
C.V. (%)	6.4	11.0	10.6	14.2	7.5	22.4	9.2	8.8	6.0	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 3A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT ELEVEN LOCATIONS
USING A 1/8" OR LOWER MOWING HEIGHT 1/
2007 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
	AR1	MI1	NC1	NE1	NJ1	NY1	OK1	PA1	QE1	VA1	WI1	MEAN
AUTHORITY (235050)	7.3	7.1	7.6	6.8	5.5	6.8	5.5	7.6	4.9	6.4	6.9	6.6
SHARK (23R)	7.4	6.4	7.8	6.7	6.8	7.0	5.0	7.4	4.0	6.0	7.6	6.6
TYEE (SRX 1GD)	7.3	6.7	7.5	6.5	6.8	6.8	5.3	7.9	3.6	6.5	7.3	6.6
CY-2	7.6	5.4	8.0	7.1	6.4	6.3	5.4	7.1	4.4	6.6	7.6	6.5
007 (DSB)	7.8	6.0	8.0	6.9	6.2	7.0	5.0	7.6	3.8	6.2	7.4	6.5
MACKENZIE (SRX 1GPD)	7.0	6.6	8.0	6.6	6.7	6.7	5.2	7.7	4.4	6.3	6.0	6.5
DECLARATION	7.1	6.4	7.7	6.7	5.5	6.7	5.1	7.4	4.7	6.0	7.2	6.4
INDEPENDENCE	7.0	5.6	7.4	7.5	7.0	6.6	4.6	7.2	4.1	5.3	6.9	6.3
PENN A-1	7.4	5.9	8.1	6.8	5.7	6.4	5.0	6.8	4.6	6.0	6.6	6.3
LS-44	6.9	5.3	7.8	7.4	4.4	7.0	4.7	6.7	5.6	6.1	6.8	6.3
MEMORIAL (A03-EDI)	6.9	5.3	7.3	7.2	4.3	6.7	4.5	6.7	5.2	6.6	7.0	6.1
COBRA 2 (IS-AP 9)	6.9	6.5	8.0	6.8	4.1	6.4	4.3	6.6	5.2	5.9	6.8	6.1
13-M	7.0	5.6	7.3	7.3	4.8	6.6	4.9	6.1	4.8	6.1	6.9	6.1
BENCHMARK DSR	7.0	5.3	7.9	7.3	4.4	6.7	4.6	7.0	5.1	5.5	6.2	6.1
ALPHA	6.7	4.8	7.6	7.5	4.2	6.7	4.4	6.8	5.9	5.5	6.5	6.1
KINGPIN (9200)	6.9	5.6	7.5	7.1	3.8	6.6	4.9	6.7	3.8	6.4	6.3	6.0
T-1	7.2	5.4	6.9	7.3	4.5	6.5	4.2	6.7	4.4	5.6	6.3	5.9
BENGAL	6.4	5.6	7.3	7.1	4.6	6.2	4.8	6.2	4.1	5.5	6.3	5.8
PENNLINKS II	5.9	3.9	5.9	7.6	2.9	6.7	4.1	5.0	5.1	5.1	6.0	5.3
VENUS (EFD)	5.0	4.7	5.2	7.4	5.7	6.2	1.9	2.6	6.1	5.7	6.8	5.2
VILLA (IS-AC 1)	5.6	4.9	5.2	7.0	6.2	6.0	2.0	2.5	5.5	5.5	7.0	5.2
LEGENDARY	4.5	4.8	4.7	6.6	6.6	6.1	2.0	2.4	5.4	5.8	6.6	5.0
GREENWICH	4.9	4.5	5.3	6.4	6.0	6.4	2.1	1.8	5.7	6.0	6.3	5.0
PENNCROSS	5.0	4.3	4.9	7.8	2.1	6.3	3.8	4.3	5.5	5.0	5.2	4.9
VESPER	4.6	4.0	4.9	6.9	5.2	6.1	2.0	1.7	5.2	5.6	6.3	4.8
SR 7200	3.6	4.9	4.7	6.7	5.5	5.7	2.0	1.2	6.1	5.1	5.8	4.7
LSD VALUE	0.6	1.3	0.8	0.6	1.0	0.7	0.3	0.6	1.1	0.8	0.6	0.2
C.V. (%)	6.1	14.5	7.2	5.4	12.3	6.6	5.0	7.0	14.1	8.4	5.8	8.6

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

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

TABLE 3B.

MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT ELEVEN LOCATIONS
USING A 1/8" OR LOWER MOWING HEIGHT 1/
2007 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
	AR1	MI1	NC1	NE1	NJ1	NY1	OK1	PA1	QE1	VA1	WI1	MEAN
AUTHORITY (235050)	7.3	7.1	7.6	6.8	5.5	6.8	5.5	7.6	4.9	6.4	6.9	6.6
SHARK (23R)	7.4	6.4	7.8	6.7	6.8	7.0	5.0	7.4	4.0	6.0	7.6	6.6
TYEE (SRX 1GD)	7.3	6.7	7.5	6.5	6.8	6.8	5.3	7.9	3.6	6.5	7.3	6.6
CY-2	7.6	5.4	8.0	7.1	6.4	6.3	5.4	7.1	4.4	6.6	7.6	6.5
007 (DSB)	7.8	6.0	8.0	6.9	6.2	7.0	5.0	7.6	3.8	6.2	7.4	6.5
MACKENZIE (SRX 1GPD)	7.0	6.6	8.0	6.6	6.7	6.7	5.2	7.7	4.4	6.3	6.0	6.5
DECLARATION	7.1	6.4	7.7	6.7	5.5	6.7	5.1	7.4	4.7	6.0	7.2	6.4
INDEPENDENCE	7.0	5.6	7.4	7.5	7.0	6.6	4.6	7.2	4.1	5.3	6.9	6.3
PENN A-1	7.4	5.9	8.1	6.8	5.7	6.4	5.0	6.8	4.6	6.0	6.6	6.3
LS-44	6.9	5.3	7.8	7.4	4.4	7.0	4.7	6.7	5.6	6.1	6.8	6.3
MEMORIAL (A03-EDI)	6.9	5.3	7.3	7.2	4.3	6.7	4.5	6.7	5.2	6.6	7.0	6.1
COBRA 2 (IS-AP 9)	6.9	6.5	8.0	6.8	4.1	6.4	4.3	6.6	5.2	5.9	6.8	6.1
13-M	7.0	5.6	7.3	7.3	4.8	6.6	4.9	6.1	4.8	6.1	6.9	6.1
BENCHMARK DSR	7.0	5.3	7.9	7.3	4.4	6.7	4.6	7.0	5.1	5.5	6.2	6.1
ALPHA	6.7	4.8	7.6	7.5	4.2	6.7	4.4	6.8	5.9	5.5	6.5	6.1
KINGPIN (9200)	6.9	5.6	7.5	7.1	3.8	6.6	4.9	6.7	3.8	6.4	6.3	6.0
T-1	7.2	5.4	6.9	7.3	4.5	6.5	4.2	6.7	4.4	5.6	6.3	5.9
BENGAL	6.4	5.6	7.3	7.1	4.6	6.2	4.8	6.2	4.1	5.5	6.3	5.8
PENNLINKS II	5.9	3.9	5.9	7.6	2.9	6.7	4.1	5.0	5.1	5.1	6.0	5.3
PENNCROSS	5.0	4.3	4.9	7.8	2.1	6.3	3.8	4.3	5.5	5.0	5.2	4.9
LSD VALUE	0.6	1.3	0.8	0.6	1.1	0.7	0.4	0.6	1.1	0.8	0.6	0.3
C.V. (%)	5.5	14.5	6.9	5.3	13.8	6.4	4.8	5.6	14.9	8.3	5.7	8.4

TABLE 3C.

MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT ELEVEN LOCATIONS
USING A 1/8" OR LOWER MOWING HEIGHT 1/
2007 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
	AR1	MI1	NC1	NE1	NJ1	NY1	OK1	PA1	QE1	VA1	WI1	MEAN
VENUS (EFD)	5.0	4.7	5.2	7.4	5.7	6.2	1.9	2.6	6.1	5.7	6.8	5.2
VILLA (IS-AC 1)	5.6	4.9	5.2	7.0	6.2	6.0	2.0	2.5	5.5	5.5	7.0	5.2
LEGENDARY	4.5	4.8	4.7	6.6	6.6	6.1	2.0	2.4	5.4	5.8	6.6	5.0
GREENWICH	4.9	4.5	5.3	6.4	6.0	6.4	2.1	1.8	5.7	6.0	6.3	5.0
VESPER	4.6	4.0	4.9	6.9	5.2	6.1	2.0	1.7	5.2	5.6	6.3	4.8
SR 7200	3.6	4.9	4.7	6.7	5.5	5.7	2.0	1.2	6.1	5.1	5.8	4.7
LSD VALUE	0.7	1.1	0.7	0.6	0.7	0.7	0.2	0.7	1.1	0.8	0.6	0.2
C.V. (%)	9.1	14.2	8.3	5.8	7.7	7.5	4.9	22.4	11.7	8.8	6.0	9.4

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 4A. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN
GROWN ON A GREEN AT TEN LOCATIONS
USING A 9/64" TO 5/32" MOWING HEIGHT 1/
2007 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/										
	AZ1	IA1	IL1	IN1	KS1	KY1	MN1	SD1	TX1	UT1	MEAN
MEMORIAL (A03-EDI)	6.6	6.3	5.9	7.8	5.3	7.2	6.6	6.5	6.5	6.2	6.5
DECLARATION	7.3	6.9	6.8	8.1	5.6	6.7	6.6	5.4	6.5	4.8	6.5
CY-2	7.3	6.6	6.7	8.0	4.6	5.4	6.3	6.8	6.2	6.0	6.4
COBRA 2 (IS-AP 9)	6.5	7.4	6.5	8.0	4.7	5.4	6.3	6.6	6.1	5.9	6.3
LS-44	7.0	7.2	6.6	7.6	4.3	4.8	6.1	6.2	6.1	6.3	6.2
KINGPIN (9200)	6.4	6.4	6.4	8.1	3.9	6.3	6.5	6.4	6.2	5.5	6.2
007 (DSB)	7.0	7.0	6.5	8.1	4.4	4.5	7.4	5.3	6.4	5.4	6.2
13-M	6.9	6.8	5.9	7.7	4.1	6.3	6.1	6.1	6.3	5.8	6.2
SHARK (23R)	7.0	7.3	6.7	8.4	4.8	4.1	5.6	5.7	6.1	5.6	6.1
MACKENZIE (SRX 1GPD)	6.8	7.0	7.1	8.2	4.8	4.3	5.5	6.1	6.4	5.1	6.1
T-1	7.3	7.1	6.9	8.2	3.9	4.2	6.2	5.9	6.0	5.4	6.1
BENCHMARK DSR	6.7	6.3	5.3	8.1	4.5	6.0	6.3	6.2	6.0	5.4	6.1
BENGAL	7.3	6.8	6.6	8.0	4.3	3.8	5.6	6.3	6.1	6.0	6.1
AUTHORITY (235050)	6.4	7.2	6.3	8.1	4.4	5.0	6.3	5.6	6.1	5.0	6.0
TYEE (SRX 1GD)	6.6	6.6	7.2	8.2	4.0	4.2	5.6	6.1	6.4	5.4	6.0
INDEPENDENCE	7.8	6.7	6.6	8.0	4.0	4.5	5.3	5.8	6.0	5.7	6.0
ALPHA	7.0	6.6	6.5	8.0	4.4	4.2	5.4	6.1	5.6	5.8	6.0
PENN A-1	6.8	6.7	5.2	8.3	3.7	5.1	6.2	5.5	6.2	5.6	5.9
PENNLINKS II	6.2	6.0	3.4	6.7	4.2	5.5	5.3	6.4	5.9	5.0	5.5
PENNCROSS	6.3	6.1	3.5	6.5	4.0	4.2	3.7	5.7	5.4	4.5	5.0
GREENWICH	6.5	6.3	4.7	.	3.8	4.8	2.8	5.6	5.7	1.7	4.7
VENUS (EFD)	6.1	5.8	5.1	.	4.2	5.0	2.4	5.5	5.8	1.8	4.6
VILLA (IS-AC 1)	6.5	6.5	4.7	.	3.5	4.5	2.3	5.7	5.8	1.8	4.6
LEGENDARY	6.6	6.2	4.4	.	3.7	4.3	2.4	5.5	5.9	1.8	4.5
VESPER	6.6	5.7	4.3	.	3.8	4.5	2.4	5.3	5.8	1.7	4.4
SR 7200	6.6	6.2	3.5	.	3.8	5.1	2.1	5.1	5.9	1.6	4.4
LSD VALUE	1.1	0.6	0.8	0.7	0.9	0.8	0.9	0.8	0.3	0.7	0.3
C.V. (%)	9.7	5.8	8.8	5.5	12.5	9.9	10.7	8.8	3.5	9.6	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 TEN LOCATIONS
USING A 9/64" TO 5/32" MOWING HEIGHT 1/
2007 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/										
	AZ1	IA1	IL1	IN1	KS1	KY1	MN1	SD1	TX1	UT1	MEAN
MEMORIAL (A03-EDI)	6.6	6.3	5.9	7.8	5.3	7.2	6.6	6.5	6.5	6.2	6.5
DECLARATION	7.3	6.9	6.8	8.1	5.6	6.7	6.6	5.4	6.5	4.8	6.5
CY-2	7.3	6.6	6.7	8.0	4.6	5.4	6.3	6.8	6.2	6.0	6.4
COBRA 2 (IS-AP 9)	6.5	7.4	6.5	8.0	4.7	5.4	6.3	6.6	6.1	5.9	6.3
LS-44	7.0	7.2	6.6	7.6	4.3	4.8	6.1	6.2	6.1	6.3	6.2
KINGPIN (9200)	6.4	6.4	6.4	8.1	3.9	6.3	6.5	6.4	6.2	5.5	6.2
007 (DSB)	7.0	7.0	6.5	8.1	4.4	4.5	7.4	5.3	6.4	5.4	6.2
13-M	6.9	6.8	5.9	7.7	4.1	6.3	6.1	6.1	6.3	5.8	6.2
SHARK (23R)	7.0	7.3	6.7	8.4	4.8	4.1	5.6	5.7	6.1	5.6	6.1
MACKENZIE (SRX 1GPD)	6.8	7.0	7.1	8.2	4.8	4.3	5.5	6.1	6.4	5.1	6.1
T-1	7.3	7.1	6.9	8.2	3.9	4.2	6.2	5.9	6.0	5.4	6.1
BENCHMARK DSR	6.7	6.3	5.3	8.1	4.5	6.0	6.3	6.2	6.0	5.4	6.1
BENGAL	7.3	6.8	6.6	8.0	4.3	3.8	5.6	6.3	6.1	6.0	6.1
AUTHORITY (235050)	6.4	7.2	6.3	8.1	4.4	5.0	6.3	5.6	6.1	5.0	6.0
TYEE (SRX 1GD)	6.6	6.6	7.2	8.2	4.0	4.2	5.6	6.1	6.4	5.4	6.0
INDEPENDENCE	7.8	6.7	6.6	8.0	4.0	4.5	5.3	5.8	6.0	5.7	6.0
ALPHA	7.0	6.6	6.5	8.0	4.4	4.2	5.4	6.1	5.6	5.8	6.0
PENN A-1	6.8	6.7	5.2	8.3	3.7	5.1	6.2	5.5	6.2	5.6	5.9
PENNLINKS II	6.2	6.0	3.4	6.7	4.2	5.5	5.3	6.4	5.9	5.0	5.5
PENNCROSS	6.3	6.1	3.5	6.5	4.0	4.2	3.7	5.7	5.4	4.5	5.0
LSD VALUE	1.0	0.6	0.8	0.7	0.9	0.8	1.0	0.8	0.3	0.8	0.3
C.V. (%)	9.4	5.6	8.3	5.5	12.8	9.7	10.1	8.7	3.3	9.1	8.2

TABLE 4C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN
GROWN ON A GREEN AT NINE LOCATIONS
USING A 9/64" TO 5/32" MOWING HEIGHT 1/
2007 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/									
	AZ1	IA1	IL1	KS1	KY1	MN1	SD1	TX1	UT1	MEAN
GREENWICH	6.5	6.3	4.7	3.8	4.8	2.8	5.6	5.7	1.7	4.7
VENUS (EFD)	6.1	5.8	5.1	4.2	5.0	2.4	5.5	5.8	1.8	4.6
VILLA (IS-AC 1)	6.5	6.5	4.7	3.5	4.5	2.3	5.7	5.8	1.8	4.6
LEGENDARY	6.6	6.2	4.4	3.7	4.3	2.4	5.5	5.9	1.8	4.5
VESPER	6.6	5.7	4.3	3.8	4.5	2.4	5.3	5.8	1.7	4.4
SR 7200	6.6	6.2	3.5	3.8	5.1	2.1	5.1	5.9	1.6	4.4
LSD VALUE	1.1	0.6	0.8	0.7	0.8	0.5	0.8	0.4	0.2	0.2
C.V. (%)	10.6	6.4	11.0	10.8	10.6	12.6	9.2	3.9	5.6	9.5

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

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

TABLE 5A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN UNDER LOW MAINTENANCE AT PUYALLUP, WA 1/
2007 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SUMMER	QUALITY RATINGS												MEAN	
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
SHARK (23R)	6.7	5.0	7.7	5.0	5.7	6.3	6.3	6.3	6.0	5.7	6.0	6.3	5.7	5.7	5.7	5.7	5.9
TYEE (SRX 1GD)	6.3	5.0	7.7	5.3	5.3	6.3	6.3	6.7	6.3	5.3	6.3	6.0	5.7	5.3	6.0	5.9	5.9
VILLA (IS-AC 1)	7.0	5.0	9.0	5.3	4.7	6.0	6.3	6.0	6.0	5.7	6.0	6.3	5.7	6.7	6.0	5.9	5.9
INDEPENDENCE	6.7	5.3	7.0	5.0	5.7	6.3	6.0	6.3	5.7	5.7	5.7	6.0	6.0	5.3	5.0	5.7	5.7
LEGENDARY	7.0	4.7	9.0	5.0	4.0	5.0	6.3	6.0	6.3	5.7	5.7	6.3	5.7	6.3	5.7	5.7	5.7
007 (DSB)	6.3	5.7	6.7	5.0	5.3	5.7	6.0	6.0	5.7	5.7	5.7	5.3	5.3	5.3	4.7	5.5	5.5
GREENWICH	7.0	5.0	8.7	5.0	4.7	5.7	6.0	6.3	4.3	5.0	5.7	5.7	5.3	6.3	6.3	5.5	5.5
AUTHORITY (235050)	6.7	5.3	7.0	4.7	5.0	5.7	6.0	5.0	6.0	5.7	5.3	5.0	5.0	5.7	5.0	5.3	5.3
PENN A-1	7.0	4.7	6.0	4.7	5.0	6.0	5.3	5.7	5.7	5.0	5.3	5.3	5.3	5.3	4.7	5.3	5.3
VENUS (EFD)	7.0	5.0	8.0	4.7	4.0	5.3	5.7	5.3	5.3	5.0	5.7	6.0	4.7	6.0	6.0	5.3	5.3
VESPER	7.0	6.0	8.3	5.0	5.0	5.3	5.3	5.3	5.0	4.7	5.0	5.7	5.3	5.7	5.7	5.3	5.3
CY-2	6.0	5.3	6.0	5.0	5.7	5.0	5.3	5.7	5.3	5.3	5.3	5.3	4.3	4.7	5.3	5.2	5.2
MACKENZIE (SRX 1GPD)	6.0	5.3	7.0	4.3	5.0	5.3	6.0	6.0	5.7	5.0	5.3	5.3	4.7	4.7	5.3	5.2	5.2
BENCHMARK DSR	7.0	6.0	6.3	4.3	5.0	5.3	5.3	5.7	5.0	4.7	5.0	4.7	4.3	4.3	5.0	4.9	4.9
DECLARATION	6.3	5.7	6.0	4.7	5.3	6.3	5.0	4.7	5.3	4.7	5.0	5.0	4.0	4.0	4.7	4.9	4.9
T-1	7.7	5.0	6.0	4.0	5.0	5.7	4.7	5.3	5.0	4.3	4.7	4.7	4.3	4.7	4.7	4.8	4.8
SR 7200	7.0	6.3	7.3	5.0	4.3	4.7	4.7	5.7	5.0	4.3	4.7	4.0	4.7	4.3	5.0	4.7	4.7
13-M	6.7	5.7	6.0	4.3	5.3	6.0	4.7	4.7	5.0	4.0	4.7	4.3	4.3	4.0	4.3	4.6	4.6
ALPHA	7.3	5.0	5.3	4.0	5.0	5.3	5.0	5.3	4.7	4.7	5.0	5.0	4.0	3.3	4.0	4.6	4.6
KINGPIN (9200)	7.0	5.7	5.7	4.3	5.7	5.3	4.7	4.3	5.0	4.7	4.7	4.3	4.0	4.3	4.3	4.6	4.6
COBRA 2 (IS-AP 9)	6.7	4.3	6.0	4.3	4.3	5.3	4.7	5.0	4.7	4.7	4.7	4.0	3.7	4.7	4.3	4.5	4.5
LS-44	7.3	4.3	5.7	4.3	4.0	4.7	4.3	5.0	4.3	4.7	4.7	5.0	4.0	4.3	4.0	4.4	4.4
MEMORIAL (A03-EDI)	6.3	4.3	5.0	4.0	4.3	5.0	3.7	4.7	5.0	4.0	4.3	4.7	3.3	4.0	4.3	4.3	4.3
BENGAL	7.0	5.3	5.0	4.0	4.3	4.7	3.7	4.3	4.0	4.0	4.3	3.7	3.3	3.7	4.7	4.1	4.1
PENNLINKS II	7.7	4.7	5.7	3.7	4.0	4.3	4.0	4.7	4.0	4.0	4.3	4.0	3.7	3.7	3.3	4.0	4.0
PENNCROSS	7.3	4.0	4.3	3.3	4.3	4.0	3.3	4.7	4.7	3.3	3.7	3.7	3.3	3.3	3.7	3.8	3.8
LSD VALUE	1.0	1.5	0.8	1.3	0.9	1.2	0.7	1.2	1.0	0.9	0.9	1.0	1.6	1.1	0.9	0.5	0.5
C.V. (%)	7.5	13.5	7.8	13.7	10.9	11.8	8.4	12.3	11.5	10.7	10.2	12.1	18.6	13.7	11.9	7.0	7.0

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

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

TABLE 5B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN UNDER LOW MAINTENANCE AT PUYALLUP, WA 1/
2007 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SUMMER	QUALITY RATINGS												MEAN
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
SHARK (23R)	6.7	5.0	7.7	5.0	5.7	6.3	6.3	6.3	6.0	5.7	6.0	6.3	5.7	5.7	5.7	5.9
TYEE (SRX 1GD)	6.3	5.0	7.7	5.3	5.3	6.3	6.3	6.7	6.3	5.3	6.3	6.0	5.7	5.3	6.0	5.9
INDEPENDENCE	6.7	5.3	7.0	5.0	5.7	6.3	6.0	6.3	5.7	5.7	5.7	6.0	6.0	5.3	5.0	5.7
007 (DSB)	6.3	5.7	6.7	5.0	5.3	5.7	6.0	6.0	5.7	5.7	5.7	5.3	5.3	5.3	4.7	5.5
AUTHORITY (235050)	6.7	5.3	7.0	4.7	5.0	5.7	6.0	5.0	6.0	5.7	5.3	5.0	5.0	5.7	5.0	5.3
PENN A-1	7.0	4.7	6.0	4.7	5.0	6.0	5.3	5.7	5.7	5.0	5.3	5.3	5.3	5.3	4.7	5.3
CY-2	6.0	5.3	6.0	5.0	5.7	5.0	5.3	5.7	5.3	5.3	5.3	5.3	4.3	4.7	5.3	5.2
MACKENZIE (SRX 1GPD)	6.0	5.3	7.0	4.3	5.0	5.3	6.0	6.0	5.7	5.0	5.3	5.3	4.7	4.7	5.3	5.2
BENCHMARK DSR	7.0	6.0	6.3	4.3	5.0	5.3	5.3	5.7	5.0	4.7	5.0	4.7	4.3	4.3	5.0	4.9
DECLARATION	6.3	5.7	6.0	4.7	5.3	6.3	5.0	4.7	5.3	4.7	5.0	5.0	4.0	4.0	4.7	4.9
T-1	7.7	5.0	6.0	4.0	5.0	5.7	4.7	5.3	5.0	4.3	4.7	4.7	4.3	4.7	4.7	4.8
13-M	6.7	5.7	6.0	4.3	5.3	6.0	4.7	4.7	5.0	4.0	4.7	4.3	4.3	4.0	4.3	4.6
ALPHA	7.3	5.0	5.3	4.0	5.0	5.3	5.0	5.3	4.7	4.7	5.0	5.0	4.0	3.3	4.0	4.6
KINGPIN (9200)	7.0	5.7	5.7	4.3	5.7	5.3	4.7	4.3	5.0	4.7	4.7	4.3	4.0	4.3	4.3	4.6
COBRA 2 (IS-AP 9)	6.7	4.3	6.0	4.3	4.3	5.3	4.7	5.0	4.7	4.7	4.7	4.0	3.7	4.7	4.3	4.5
LS-44	7.3	4.3	5.7	4.3	4.0	4.7	4.3	5.0	4.3	4.7	4.7	5.0	4.0	4.3	4.0	4.4
MEMORIAL (A03-EDI)	6.3	4.3	5.0	4.0	4.3	5.0	3.7	4.7	5.0	4.0	4.3	4.7	3.3	4.0	4.3	4.3
BENGAL	7.0	5.3	5.0	4.0	4.3	4.7	3.7	4.3	4.0	4.0	4.3	3.7	3.3	3.7	4.7	4.1
PENNLINKS II	7.7	4.7	5.7	3.7	4.0	4.3	4.0	4.7	4.0	4.0	4.3	4.0	3.7	3.7	3.3	4.0
PENNCROSS	7.3	4.0	4.3	3.3	4.3	4.0	3.3	4.7	4.7	3.3	3.7	3.7	3.3	3.3	3.7	3.8
LSD VALUE	1.2	1.7	0.9	1.1	1.0	1.2	0.7	1.3	1.0	0.9	0.9	1.0	1.4	1.2	1.0	0.6
C.V. (%)	8.6	14.2	9.1	12.9	11.1	12.1	8.5	13.1	11.2	11.0	10.9	12.6	18.0	14.8	12.5	7.4

TABLE 5C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN UNDER LOW MAINTENANCE AT PUYALLUP, WA 1/
2007 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SUMMER	QUALITY RATINGS												MEAN
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
VILLA (IS-AC 1)	7	5.0	9.0	5.3	4.7	6.0	6.3	6.0	6.0	5.7	6.0	6.3	5.7	6.7	6.0	5.9
LEGENDARY	7	4.7	9.0	5.0	4.0	5.0	6.3	6.0	6.3	5.7	5.7	6.3	5.7	6.3	5.7	5.7
GREENWICH	7	5.0	8.7	5.0	4.7	5.7	6.0	6.3	4.3	5.0	5.7	5.7	5.3	6.3	6.3	5.5
VENUS (EFD)	7	5.0	8.0	4.7	4.0	5.3	5.7	5.3	5.3	5.0	5.7	6.0	4.7	6.0	6.0	5.3
VESPER	7	6.0	8.3	5.0	5.0	5.3	5.3	5.3	5.0	4.7	5.0	5.7	5.3	5.7	5.7	5.3
SR 7200	7	6.3	7.3	5.0	4.3	4.7	4.7	5.7	5.0	4.3	4.7	4.0	4.7	4.3	5.0	4.7
LSD VALUE	0	1.1	0.6	2.0	0.9	1.0	1.0	1.1	1.2	1.0	1.0	1.3	2.6	1.4	1.4	0.5
C.V. (%)	0	10.3	4.2	15.5	9.8	9.1	8.8	8.7	11.4	10.0	8.7	11.6	20.3	11.9	10.8	5.4

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 6A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2007 DATA

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

NAME	SPRING GREENUP	PERCENT	WEAR TOLERANCE		QUALITY RATINGS							MEAN
		COVER FALL	SPRING	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	
DECLARATION	3.3	97.7	4.0	6.3	5.7	6.7	7.0	7.3	7.3	6.0	6.0	6.6
GREENWICH	4.3	94.7	7.7	7.7	5.0	7.3	7.0	7.3	6.7	6.0	5.7	6.4
007 (DSB)	3.7	96.3	4.3	4.7	5.7	6.3	6.7	7.0	7.0	5.3	6.0	6.3
LEGENDARY	4.0	96.0	7.7	7.7	5.3	7.0	7.0	7.3	6.7	5.3	5.7	6.3
TYEE (SRX 1GD)	3.3	96.3	4.3	4.7	5.3	6.3	7.0	6.7	7.3	5.3	5.3	6.2
VENUS (EFD)	5.0	96.3	7.3	7.0	5.3	6.7	6.3	6.3	6.7	6.0	6.0	6.2
VILLA (IS-AC 1)	3.7	96.0	7.7	7.0	5.0	7.0	7.0	7.0	6.3	5.3	6.0	6.2
13-M	2.7	93.0	5.0	4.7	5.7	6.7	6.3	7.0	6.7	5.3	5.3	6.1
T-1	3.3	93.3	5.3	4.3	5.0	6.7	7.0	7.3	6.7	5.0	5.0	6.1
VESPER	5.0	90.0	7.7	7.7	5.7	6.7	7.0	6.3	7.0	4.7	5.3	6.1
CY-2	3.3	96.3	4.7	6.0	5.0	6.0	7.0	6.0	6.7	5.7	5.7	6.0
MACKENZIE (SRX 1GPD)	3.7	93.3	4.7	5.3	5.7	6.0	6.3	6.7	6.7	5.3	5.3	6.0
MEMORIAL (A03-EDI)	4.0	94.7	4.7	5.3	6.0	6.0	6.0	6.7	6.3	5.3	5.3	6.0
SHARK (23R)	2.7	94.7	4.0	5.3	5.3	6.7	6.3	6.7	6.7	5.0	5.0	6.0
LS-44	4.0	93.3	4.7	4.7	5.0	6.3	6.7	6.3	6.7	5.0	5.3	5.9
ALPHA	3.7	91.3	4.7	4.7	5.0	6.3	6.7	6.7	5.7	5.3	5.0	5.8
AUTHORITY (235050)	2.3	93.3	3.7	5.3	5.0	6.3	6.0	6.7	7.0	4.7	5.0	5.8
BENCHMARK DSR	3.7	96.3	5.3	4.3	5.3	6.7	6.3	6.0	5.7	5.0	5.3	5.8
PENN A-1	1.7	96.3	4.0	4.7	4.3	5.7	6.7	6.7	6.0	5.3	6.0	5.8
COBRA 2 (IS-AP 9)	2.3	93.3	4.7	4.7	4.0	6.3	6.3	6.3	6.7	5.3	5.0	5.7
INDEPENDENCE	3.7	85.0	5.0	5.7	5.3	6.0	6.7	6.7	6.3	4.0	4.7	5.7
KINGPIN (9200)	3.0	96.3	4.7	4.7	4.7	5.7	6.0	6.0	6.0	5.3	5.7	5.6
PENNLINKS II	2.3	93.3	4.7	4.3	4.0	6.0	5.7	5.3	5.3	5.7	5.0	5.3
SR 7200	3.7	91.7	6.3	6.0	4.7	5.7	5.7	5.7	5.3	5.0	5.0	5.3
BENGAL	3.3	81.7	4.3	4.7	4.3	6.0	5.7	5.7	5.7	4.3	4.3	5.1
PENNCROSS	2.3	76.7	4.7	4.3	3.7	5.3	5.7	4.7	4.3	4.7	4.0	4.6
LSD VALUE	1.2	8.0	0.8	1.3	0.8	1.3	0.7	0.9	1.4	1.4	1.3	0.5
C.V. (%)	20.2	4.9	10.7	14.7	9.8	9.3	6.5	8.4	11.7	11.7	11.4	5.0

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 6B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2007 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	PERCENT COVER FALL	WEAR TOLERANCE		QUALITY RATINGS							MEAN
			SPRING	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	
DECLARATION	3.3	97.7	4.0	6.3	5.7	6.7	7.0	7.3	7.3	6.0	6.0	6.6
007 (DSB)	3.7	96.3	4.3	4.7	5.7	6.3	6.7	7.0	7.0	5.3	6.0	6.3
TYEE (SRX 1GD)	3.3	96.3	4.3	4.7	5.3	6.3	7.0	6.7	7.3	5.3	5.3	6.2
13-M	2.7	93.0	5.0	4.7	5.7	6.7	6.3	7.0	6.7	5.3	5.3	6.1
T-1	3.3	93.3	5.3	4.3	5.0	6.7	7.0	7.3	6.7	5.0	5.0	6.1
CY-2	3.3	96.3	4.7	6.0	5.0	6.0	7.0	6.0	6.7	5.7	5.7	6.0
MACKENZIE (SRX 1GPD)	3.7	93.3	4.7	5.3	5.7	6.0	6.3	6.7	6.7	5.3	5.3	6.0
MEMORIAL (A03-EDI)	4.0	94.7	4.7	5.3	6.0	6.0	6.0	6.7	6.3	5.3	5.3	6.0
SHARK (23R)	2.7	94.7	4.0	5.3	5.3	6.7	6.3	6.7	6.7	5.0	5.0	6.0
LS-44	4.0	93.3	4.7	4.7	5.0	6.3	6.7	6.3	6.7	5.0	5.3	5.9
ALPHA	3.7	91.3	4.7	4.7	5.0	6.3	6.7	6.7	5.7	5.3	5.0	5.8
AUTHORITY (235050)	2.3	93.3	3.7	5.3	5.0	6.3	6.0	6.7	7.0	4.7	5.0	5.8
BENCHMARK DSR	3.7	96.3	5.3	4.3	5.3	6.7	6.3	6.0	5.7	5.0	5.3	5.8
PENN A-1	1.7	96.3	4.0	4.7	4.3	5.7	6.7	6.7	6.0	5.3	6.0	5.8
COBRA 2 (IS-AP 9)	2.3	93.3	4.7	4.7	4.0	6.3	6.3	6.3	6.7	5.3	5.0	5.7
INDEPENDENCE	3.7	85.0	5.0	5.7	5.3	6.0	6.7	6.7	6.3	4.0	4.7	5.7
KINGPIN (9200)	3.0	96.3	4.7	4.7	4.7	5.7	6.0	6.0	6.0	5.3	5.7	5.6
PENNLINKS II	2.3	93.3	4.7	4.3	4.0	6.0	5.7	5.3	5.3	5.7	5.0	5.3
BENGAL	3.3	81.7	4.3	4.7	4.3	6.0	5.7	5.7	5.7	4.3	4.3	5.1
PENNCROSS	2.3	76.7	4.7	4.3	3.7	5.3	5.7	4.7	4.3	4.7	4.0	4.6
LSD VALUE	1.4	7.6	1.1	2.2	0.8	1.7	0.8	0.9	1.3	0.9	1.1	0.4
C.V. (%)	22.6	4.8	11.2	17.2	9.9	10.0	7.1	8.1	11.3	9.4	11.0	4.6

TABLE 6C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2007 DATA
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	PERCENT COVER FALL	WEAR TOLERANCE		QUALITY RATINGS							MEAN
			SPRING	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	
GREENWICH	4.3	94.7	7.7	7.7	5.0	7.3	7.0	7.3	6.7	6.0	5.7	6.4
LEGENDARY	4.0	96.0	7.7	7.7	5.3	7.0	7.0	7.3	6.7	5.3	5.7	6.3
VENUS (EFD)	5.0	96.3	7.3	7.0	5.3	6.7	6.3	6.3	6.7	6.0	6.0	6.2
VILLA (IS-AC 1)	3.7	96.0	7.7	7.0	5.0	7.0	7.0	7.0	6.3	5.3	6.0	6.2
VESPER	5.0	90.0	7.7	7.7	5.7	6.7	7.0	6.3	7.0	4.7	5.3	6.1
SR 7200	3.7	91.7	6.3	6.0	4.7	5.7	5.7	5.7	5.3	5.0	5.0	5.3
LSD VALUE	1.3	9.6	1.6	1.2	1.2	0.8	0.6	0.6	1.6	1.6	1.4	0.6
C.V. (%)	14.6	4.4	9.8	8.4	10.0	6.5	4.7	4.7	11.2	13.4	11.1	5.2

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 7A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN USING REDUCED FUNGICIDES AT FARMINGDALE, NY 1/
2007 DATA

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

NAME	SPRING	QUALITY RATINGS							
	GREENUP	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
AUTHORITY (235050)	7.3	7.3	6.7	6.7	6.0	6.0	6.7	6.7	6.6
LS-44	7.3	7.3	7.0	7.0	6.3	6.0	6.3	6.3	6.6
DECLARATION	7.3	7.0	6.7	6.7	6.3	5.7	6.7	6.7	6.5
BENCHMARK DSR	6.7	6.7	6.7	6.7	6.3	6.0	6.3	6.3	6.4
GREENWICH	7.0	6.7	6.3	6.3	6.3	6.0	6.7	6.7	6.4
MEMORIAL (A03-EDI)	7.0	7.0	6.7	6.7	6.0	5.7	6.3	6.3	6.4
PENNLINKS II	7.7	7.7	6.7	6.7	6.0	6.0	6.0	6.0	6.4
SHARK (23R)	7.3	7.0	7.0	7.0	5.7	5.3	6.3	6.3	6.4
TYEE (SRX 1GD)	7.0	7.0	7.0	6.3	6.0	6.0	6.3	6.3	6.4
13-M	7.3	7.3	6.3	6.3	5.7	5.7	6.3	6.3	6.3
ALPHA	7.0	6.7	6.7	6.7	6.3	6.0	6.0	6.0	6.3
INDEPENDENCE	7.7	7.7	6.0	6.0	6.0	5.7	6.3	6.3	6.3
007 (DSB)	7.0	7.0	7.0	7.0	5.3	5.3	6.0	6.0	6.2
PENN A-1	7.0	7.0	6.3	6.0	6.0	5.7	6.3	6.3	6.2
T-1	7.0	7.0	6.3	6.0	5.7	5.7	6.3	6.3	6.2
VENUS (EFD)	6.7	6.3	6.0	6.0	6.3	6.0	6.3	6.3	6.2
BENGAL	6.3	6.3	6.0	6.0	6.0	6.0	6.3	6.3	6.1
COBRA 2 (IS-AP 9)	6.7	6.3	6.3	6.0	5.7	5.7	6.3	6.3	6.1
MACKENZIE (SRX 1GPD)	7.0	7.0	6.7	6.7	5.7	5.7	5.7	5.7	6.1
PENNCROSS	6.3	6.3	6.0	6.0	6.3	6.0	6.0	6.0	6.1
SR 7200	5.3	5.3	6.3	6.0	6.0	6.0	6.7	6.7	6.1
CY-2	6.3	6.3	6.3	6.3	5.7	5.7	6.0	6.0	6.0
VILLA (IS-AC 1)	6.7	6.7	6.0	5.7	5.7	5.7	6.0	6.0	6.0
KINGPIN (9200)	6.0	6.0	6.7	6.7	5.3	5.3	5.7	5.7	5.9
LEGENDARY	6.0	6.0	6.0	5.7	5.7	5.7	6.0	6.0	5.9
VESPER	7.0	7.0	6.0	6.0	5.3	5.3	5.7	5.7	5.9
LSD VALUE	2.0	1.9	1.4	1.4	2.3	1.5	2.5	2.5	1.2
C.V. (%)	11.4	11.3	8.1	8.9	11.0	7.7	10.5	10.5	6.0

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

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

TABLE 7B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN USING REDUCED FUNGICIDES AT FARMINGDALE, NY 1/
2007 DATA

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

NAME	SPRING GREENUP	QUALITY RATINGS							MEAN
		APR	MAY	JUN	JUL	AUG	SEP	OCT	
AUTHORITY (235050)	7.3	7.3	6.7	6.7	6.0	6.0	6.7	6.7	6.6
LS-44	7.3	7.3	7.0	7.0	6.3	6.0	6.3	6.3	6.6
DECLARATION	7.3	7.0	6.7	6.7	6.3	5.7	6.7	6.7	6.5
BENCHMARK DSR	6.7	6.7	6.7	6.7	6.3	6.0	6.3	6.3	6.4
MEMORIAL (A03-EDI)	7.0	7.0	6.7	6.7	6.0	5.7	6.3	6.3	6.4
PENNLINKS II	7.7	7.7	6.7	6.7	6.0	6.0	6.0	6.0	6.4
SHARK (23R)	7.3	7.0	7.0	7.0	5.7	5.3	6.3	6.3	6.4
TYEE (SRX 1GD)	7.0	7.0	7.0	6.3	6.0	6.0	6.3	6.3	6.4
13-M	7.3	7.3	6.3	6.3	5.7	5.7	6.3	6.3	6.3
ALPHA	7.0	6.7	6.7	6.7	6.3	6.0	6.0	6.0	6.3
INDEPENDENCE	7.7	7.7	6.0	6.0	6.0	5.7	6.3	6.3	6.3
007 (DSB)	7.0	7.0	7.0	7.0	5.3	5.3	6.0	6.0	6.2
PENN A-1	7.0	7.0	6.3	6.0	6.0	5.7	6.3	6.3	6.2
T-1	7.0	7.0	6.3	6.0	5.7	5.7	6.3	6.3	6.2
BENGAL	6.3	6.3	6.0	6.0	6.0	6.0	6.3	6.3	6.1
COBRA 2 (IS-AP 9)	6.7	6.3	6.3	6.0	5.7	5.7	6.3	6.3	6.1
MACKENZIE (SRX 1GPD)	7.0	7.0	6.7	6.7	5.7	5.7	5.7	5.7	6.1
PENNCROSS	6.3	6.3	6.0	6.0	6.3	6.0	6.0	6.0	6.1
CY-2	6.3	6.3	6.3	6.3	5.7	5.7	6.0	6.0	6.0
KINGPIN (9200)	6.0	6.0	6.7	6.7	5.3	5.3	5.7	5.7	5.9
LSD VALUE	2.4	2.6	1.1	1.2	2.3	1.5	2.4	2.4	1.2
C.V. (%)	11.6	12.2	7.0	7.6	11.5	7.9	10.7	10.7	5.8

TABLE 7C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN USING REDUCED FUNGICIDES AT FARMINGDALE, NY 1/
2007 DATA

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

NAME	SPRING GREENUP	QUALITY RATINGS							MEAN
		APR	MAY	JUN	JUL	AUG	SEP	OCT	
GREENWICH	7.0	6.7	6.3	6.3	6.3	6.0	6.7	6.7	6.4
VENUS (EFD)	6.7	6.3	6.0	6.0	6.3	6.0	6.3	6.3	6.2
SR 7200	5.3	5.3	6.3	6.0	6.0	6.0	6.7	6.7	6.1
VILLA (IS-AC 1)	6.7	6.7	6.0	5.7	5.7	5.7	6.0	6.0	6.0
LEGENDARY	6.0	6.0	6.0	5.7	5.7	5.7	6.0	6.0	5.9
VESPER	7.0	7.0	6.0	6.0	5.3	5.3	5.7	5.7	5.9
LSD VALUE	1.6	0.9	1.7	1.6	1.3	1.0	1.6	1.6	1.0
C.V. (%)	11.6	7.6	11.0	10.9	9.6	7.5	10.8	10.8	7.0

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

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

TABLE 8A.

GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	AR1	AZ1	IA1	IL1	IN1	MI1	MN1	NC1	NE1	NJ1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
T-1	9.0	7.0	6.0	8.0	9.0	6.0	8.7	7.0	8.3	5.0	8.0	6.7	7.0	7.3	6.0	8.3	9.0	7.4
LS-44	7.7	6.3	7.3	6.0	9.0	4.7	6.0	7.7	7.7	4.7	7.0	7.0	6.3	7.3	6.7	7.3	8.3	6.9
COBRA 2 (IS-AP 9)	7.7	6.3	7.7	7.0	8.7	5.7	5.3	8.0	7.0	5.0	6.7	6.7	6.0	6.3	6.3	8.0	8.0	6.8
007 (DSB)	7.0	7.0	8.0	6.0	8.0	5.7	6.0	7.7	8.0	6.3	5.7	7.0	7.0	7.0	5.3	6.3	8.3	6.8
TYEE (SRX 1GD)	6.7	7.3	7.7	6.0	7.7	5.0	5.3	7.7	7.0	8.7	6.0	7.0	6.3	6.7	5.3	7.0	8.3	6.8
BENCHMARK DSR	6.7	6.0	6.7	6.7	8.3	5.0	7.7	7.0	7.0	4.0	6.0	7.0	7.7	7.3	6.0	6.7	9.0	6.7
KINGPIN (9200)	6.7	6.7	6.7	6.7	7.7	5.3	9.0	6.7	7.3	4.0	6.0	7.0	7.3	7.0	5.3	6.3	9.0	6.7
PENN A-1	6.7	6.3	6.7	6.7	9.0	5.0	5.0	8.0	7.0	6.7	6.3	6.7	6.3	7.0	6.3	6.3	8.7	6.7
INDEPENDENCE	7.0	6.7	7.3	6.0	8.0	5.3	5.3	7.0	7.7	5.7	5.3	7.0	7.0	7.0	5.0	7.0	9.0	6.7
ALPHA	6.7	6.7	7.3	6.7	8.0	4.0	5.7	6.3	7.0	5.3	6.7	7.0	6.7	7.3	5.7	6.7	8.7	6.6
BENGAL	7.0	7.0	6.7	6.7	8.0	5.0	5.3	7.7	7.0	5.3	5.3	6.7	6.0	6.3	6.3	7.3	8.7	6.6
MACKENZIE (SRX 1GPD)	7.0	6.0	7.3	6.0	7.7	5.3	3.7	7.7	6.0	8.3	5.3	7.0	6.0	7.0	5.7	6.3	8.3	6.5
CY-2	6.3	5.7	7.0	6.3	7.7	4.0	5.0	8.0	7.3	7.3	5.3	7.0	6.7	6.3	6.0	6.3	8.0	6.5
AUTHORITY (235050)	6.3	6.0	7.3	6.7	8.3	4.7	4.0	8.0	6.0	6.7	5.3	6.7	6.0	6.7	6.0	7.0	8.0	6.5
PENNLINKS II	5.7	5.7	6.0	5.7	8.3	4.7	7.0	6.3	7.7	4.7	6.0	6.7	6.3	6.7	6.7	6.7	8.7	6.4
SHARK (23R)	6.7	6.3	8.0	6.0	8.3	5.7	4.0	7.7	5.7	6.0	6.0	7.0	6.0	6.0	5.7	6.7	7.7	6.4
13-M	6.3	6.3	7.3	6.3	7.3	5.7	4.3	7.3	6.3	5.3	5.0	7.0	6.3	6.3	6.0	6.7	8.7	6.4
DECLARATION	6.7	6.0	7.7	6.3	8.3	4.7	3.7	7.3	6.3	5.7	5.0	7.0	6.0	6.7	6.3	6.3	8.3	6.4
MEMORIAL (A03-EDI)	5.3	6.3	6.7	6.7	8.0	6.0	4.7	7.0	5.3	3.7	5.7	6.7	6.3	7.0	7.0	6.7	8.3	6.3
PENNCROSS	6.0	5.7	6.7	6.0	8.3	4.7	6.0	5.3	7.0	2.3	5.7	6.7	5.3	7.0	5.7	6.7	7.0	6.0
SR 7200	6.7	6.0	6.3	4.3	7.0	4.3	2.7	4.7	6.7	8.0	4.0	6.3	5.3	6.3	5.7	8.0	6.0	5.8
GREENWICH	6.3	6.7	7.3	4.0	7.0	3.0	2.3	5.0	6.7	6.0	4.0	6.0	5.7	7.3	6.7	7.0	6.0	5.7
VESPER	6.7	6.0	6.3	4.7	7.0	3.3	2.3	4.7	6.7	5.7	4.0	5.7	6.0	6.3	6.7	7.7	6.3	5.6
VILLA (IS-AC 1)	6.0	5.7	7.3	4.0	7.0	3.0	1.7	4.0	7.0	7.3	4.0	6.0	5.7	7.3	6.7	6.7	6.0	5.6
LEGENDARY	5.3	6.3	7.3	4.3	6.7	3.0	2.0	4.0	7.0	6.0	4.0	6.3	6.0	7.0	6.7	6.7	6.0	5.6
VENUS (EFD)	6.0	6.0	7.0	4.3	7.0	3.0	2.0	5.0	6.3	6.3	4.0	6.3	5.0	6.3	6.3	7.3	6.3	5.6
LSD VALUE	1.1	1.2	1.2	0.7	0.9	1.9	1.7	0.9	1.2	2.3	0.8	0.7	0.9	1.3	1.3	1.1	0.8	0.3
C.V. (%)	10.7	11.8	11.0	7.4	6.7	25.7	22.2	8.7	10.9	24.5	9.2	6.6	9.2	12.1	13.0	9.7	6.4	12.2

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

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

TABLE 8B.

GENETIC COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/																	
	AR1	AZ1	IA1	IL1	IN1	MI1	MN1	NC1	NE1	NJ1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
T-1	9.0	7.0	6.0	8.0	9.0	6.0	8.7	7.0	8.3	5.0	8.0	6.7	7.0	7.3	6.0	8.3	9.0	7.4
LS-44	7.7	6.3	7.3	6.0	9.0	4.7	6.0	7.7	7.7	4.7	7.0	7.0	6.3	7.3	6.7	7.3	8.3	6.9
COBRA 2 (IS-AP 9)	7.7	6.3	7.7	7.0	8.7	5.7	5.3	8.0	7.0	5.0	6.7	6.7	6.0	6.3	6.3	8.0	8.0	6.8
007 (DSB)	7.0	7.0	8.0	6.0	8.0	5.7	6.0	7.7	8.0	6.3	5.7	7.0	7.0	7.0	5.3	6.3	8.3	6.8
TYEE (SRX 1GD)	6.7	7.3	7.7	6.0	7.7	5.0	5.3	7.7	7.0	8.7	6.0	7.0	6.3	6.7	5.3	7.0	8.3	6.8
BENCHMARK DSR	6.7	6.0	6.7	6.7	8.3	5.0	7.7	7.0	7.0	4.0	6.0	7.0	7.7	7.3	6.0	6.7	9.0	6.7
KINGPIN (9200)	6.7	6.7	6.7	6.7	7.7	5.3	9.0	6.7	7.3	4.0	6.0	7.0	7.3	7.0	5.3	6.3	9.0	6.7
PENN A-1	6.7	6.3	6.7	6.7	9.0	5.0	5.0	8.0	7.0	6.7	6.3	6.7	6.3	7.0	6.3	6.3	8.7	6.7
INDEPENDENCE	7.0	6.7	7.3	6.0	8.0	5.3	5.3	7.0	7.7	5.7	5.3	7.0	7.0	7.0	5.0	7.0	9.0	6.7
ALPHA	6.7	6.7	7.3	6.7	8.0	4.0	5.7	6.3	7.0	5.3	6.7	7.0	6.7	7.3	5.7	6.7	8.7	6.6
BENGAL	7.0	7.0	6.7	6.7	8.0	5.0	5.3	7.7	7.0	5.3	5.3	6.7	6.0	6.3	6.3	7.3	8.7	6.6
MACKENZIE (SRX 1GPD)	7.0	6.0	7.3	6.0	7.7	5.3	3.7	7.7	6.0	8.3	5.3	7.0	6.0	7.0	5.7	6.3	8.3	6.5
CY-2	6.3	5.7	7.0	6.3	7.7	4.0	5.0	8.0	7.3	7.3	5.3	7.0	6.7	6.3	6.0	6.3	8.0	6.5
AUTHORITY (235050)	6.3	6.0	7.3	6.7	8.3	4.7	4.0	8.0	6.0	6.7	5.3	6.7	6.0	6.7	6.0	7.0	8.0	6.5
PENNLINKS II	5.7	5.7	6.0	5.7	8.3	4.7	7.0	6.3	7.7	4.7	6.0	6.7	6.3	6.7	6.7	6.7	8.7	6.4
SHARK (23R)	6.7	6.3	8.0	6.0	8.3	5.7	4.0	7.7	5.7	6.0	6.0	7.0	6.0	6.0	5.7	6.7	7.7	6.4
13-M	6.3	6.3	7.3	6.3	7.3	5.7	4.3	7.3	6.3	5.3	5.0	7.0	6.3	6.3	6.0	6.7	8.7	6.4
DECLARATION	6.7	6.0	7.7	6.3	8.3	4.7	3.7	7.3	6.3	5.7	5.0	7.0	6.0	6.7	6.3	6.3	8.3	6.4
MEMORIAL (A03-EDI)	5.3	6.3	6.7	6.7	8.0	6.0	4.7	7.0	5.3	3.7	5.7	6.7	6.3	7.0	7.0	6.7	8.3	6.3
PENNCROSS	6.0	5.7	6.7	6.0	8.3	4.7	6.0	5.3	7.0	2.3	5.7	6.7	5.3	7.0	5.7	6.7	7.0	6.0
LSD VALUE	1.2	1.2	1.1	0.7	1.0	2.0	1.9	1.0	1.0	2.2	0.9	0.6	0.9	1.2	1.2	0.9	0.9	0.3
C.V. (%)	10.8	11.8	10.0	6.7	7.2	24.8	21.3	8.1	9.3	25.2	9.8	5.3	9.0	11.4	12.6	8.2	6.5	11.8

TABLE 8C.

GENETIC COLOR RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/																	
	AR1	AZ1	IA1	IL1	IN1	MI1	MN1	NC1	NE1	NJ1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
SR 7200	6.7	6.0	6.3	4.3	7.0	4.3	2.7	4.7	6.7	8.0	4	6.3	5.3	6.3	5.7	8.0	6.0	5.8
GREENWICH	6.3	6.7	7.3	4.0	7.0	3.0	2.3	5.0	6.7	6.0	4	6.0	5.7	7.3	6.7	7.0	6.0	5.7
VESPER	6.7	6.0	6.3	4.7	7.0	3.3	2.3	4.7	6.7	5.7	4	5.7	6.0	6.3	6.7	7.7	6.3	5.6
VILLA (IS-AC 1)	6.0	5.7	7.3	4.0	7.0	3.0	1.7	4.0	7.0	7.3	4	6.0	5.7	7.3	6.7	6.7	6.0	5.6
LEGENDARY	5.3	6.3	7.3	4.3	6.7	3.0	2.0	4.0	7.0	6.0	4	6.3	6.0	7.0	6.7	6.7	6.0	5.6
VENUS (EFD)	6.0	6.0	7.0	4.3	7.0	3.0	2.0	5.0	6.3	6.3	4	6.3	5.0	6.3	6.3	7.3	6.3	5.6
LSD VALUE	1.0	1.1	1.6	0.8	0.4	1.6	0.8	0.8	1.7	2.4	0	1.0	0.9	1.6	1.5	1.5	0.5	0.3
C.V. (%)	10.1	11.6	14.0	11.0	3.4	29.6	21.8	11.6	15.3	22.5	0	10.2	10.3	14.3	14.2	13.1	5.5	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/
2007 DATA

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

NAME	AZ1	IA1	IL1	IN1	KY1	MI1	MN1	NC1	NJ1	NY1	OK1	PA1	QE1	SD1	TX1	UT1	WI1	MEAN
BENCHMARK DSR	6.3	7.0	5.3	8.0	7.7	5.0	7.5	8.0	5.3	6.3	7.3	5.7	6.3	6.0	7.7	5.0	4.3	6.4
KINGPIN (9200)	6.3	7.0	5.3	8.3	7.0	4.7	7.0	8.3	5.0	5.7	6.3	5.7	5.7	5.7	8.0	5.3	4.0	6.2
MEMORIAL (A03-EDI)	6.7	7.0	5.3	8.0	8.0	5.3	8.3	7.0	4.3	6.3	6.7	5.3	6.0	4.3	7.7	4.7	4.3	6.2
DECLARATION	5.0	5.7	6.3	7.3	7.3	4.0	6.7	7.7	6.0	6.3	5.7	5.0	6.0	6.0	7.3	6.0	5.7	6.1
VESPER	5.7	6.3	6.0	6.0	7.7	6.3	6.0	5.0	3.3	6.3	7.3	5.7	7.7	7.0	7.3	3.7	6.0	6.1
007 (DSB)	7.0	7.0	6.3	8.7	4.0	4.0	6.3	8.3	5.7	6.3	5.7	4.0	6.3	6.0	7.0	5.7	4.7	6.1
COBRA 2 (IS-AP 9)	6.0	6.3	6.0	8.3	6.0	5.3	6.7	7.7	2.3	6.3	7.0	5.7	6.0	5.7	7.0	5.0	5.7	6.1
T-1	7.7	7.0	7.3	7.0	4.7	6.3	6.7	8.0	2.7	6.3	5.3	5.3	7.0	5.3	7.7	4.0	4.7	6.1
LS-44	6.7	6.3	5.7	6.3	6.0	6.7	6.7	8.3	4.0	6.3	5.3	6.3	5.7	4.7	7.7	5.0	5.0	6.0
GREENWICH	6.3	7.0	6.0	6.0	6.7	6.0	6.3	5.3	2.0	6.3	7.0	6.3	7.3	7.3	7.3	3.3	5.3	6.0
LEGENDARY	6.0	6.3	6.0	5.7	6.7	6.0	6.0	4.7	4.3	6.0	6.0	5.3	7.3	7.0	7.7	3.7	6.7	6.0
PENN A-1	5.0	6.3	6.3	8.0	6.3	5.0	6.3	8.3	5.0	6.7	6.3	4.7	5.3	4.3	7.7	4.7	5.0	6.0
13-M	4.3	6.3	5.7	7.0	8.0	5.3	6.7	8.0	4.7	6.7	6.7	5.0	5.7	3.7	7.3	5.0	4.7	5.9
SR 7200	4.7	7.0	5.3	6.3	7.3	5.3	6.7	5.0	5.7	5.3	6.7	4.7	6.7	7.0	7.3	3.7	5.3	5.9
BENGAL	7.0	7.0	5.7	8.0	5.3	5.7	6.7	8.0	3.3	6.0	5.3	4.3	6.0	4.3	7.3	4.7	5.0	5.9
SHARK (23R)	5.7	6.0	5.0	7.3	5.3	4.0	6.5	7.0	6.3	6.7	5.3	5.3	6.3	5.3	7.0	5.0	5.3	5.9
INDEPENDENCE	5.7	5.7	6.0	7.7	4.7	4.0	6.0	7.7	5.0	7.0	5.7	5.7	5.7	5.3	7.7	4.7	5.3	5.8
ALPHA	6.3	6.0	5.0	8.3	5.7	4.7	6.7	8.0	2.3	6.3	5.7	5.3	6.0	4.7	8.0	3.7	6.0	5.8
VENUS (EFD)	5.3	5.7	6.0	5.7	6.7	6.3	5.3	5.0	2.3	6.3	6.7	6.3	6.7	7.0	7.7	3.3	6.3	5.8
MACKENZIE (SRX 1GPD)	5.7	5.0	5.0	7.7	6.0	4.0	6.7	7.0	7.0	6.7	5.3	4.7	5.3	5.0	7.7	3.7	5.3	5.7
CY-2	3.0	5.3	2.7	7.7	8.0	5.0	5.7	8.0	6.0	6.0	5.3	4.3	5.7	4.3	7.3	5.7	7.3	5.7
VILLA (IS-AC 1)	4.3	6.3	5.7	5.3	7.0	4.0	5.7	4.7	4.3	6.0	6.7	5.7	7.3	6.7	7.7	3.7	5.7	5.7
TYEE (SRX 1GD)	7.0	6.3	5.7	6.3	4.3	4.0	5.7	6.7	6.7	6.7	4.3	4.3	5.3	5.3	7.0	4.7	5.3	5.6
PENNLINKS II	4.7	7.0	6.3	6.7	7.0	4.7	7.0	7.3	1.7	7.0	4.3	4.3	6.0	4.3	7.7	3.7	5.7	5.6
AUTHORITY (235050)	5.3	5.7	5.7	7.3	6.3	4.0	5.0	7.7	4.7	6.7	5.7	4.3	5.7	4.0	7.0	4.7	4.3	5.5
PENNCROSS	5.3	5.7	4.7	6.7	5.3	6.3	6.0	5.3	1.3	6.3	5.7	4.3	6.7	4.7	7.7	4.7	5.7	5.4
LSD VALUE	2.4	1.6	1.5	1.5	1.9	1.6	2.0	1.0	2.0	1.0	1.8	1.4	0.9	1.3	0.8	1.6	1.9	0.4
C.V. (%)	26.5	15.7	16.2	13.5	18.9	19.4	18.6	8.7	29.3	9.6	18.8	17.3	9.1	14.8	6.6	22.0	22.6	16.9

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 9B.

SPRING GREENUP RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	AZ1	IA1	IL1	IN1	KY1	MI1	MN1	NC1	NJ1	NY1	OK1	PA1	QE1	SD1	TX1	UT1	WI1	MEAN
BENCHMARK DSR	6.3	7.0	5.3	8.0	7.7	5.0	7.5	8.0	5.3	6.3	7.3	5.7	6.3	6.0	7.7	5.0	4.3	6.4
KINGPIN (9200)	6.3	7.0	5.3	8.3	7.0	4.7	7.0	8.3	5.0	5.7	6.3	5.7	5.7	5.7	8.0	5.3	4.0	6.2
MEMORIAL (A03-EDI)	6.7	7.0	5.3	8.0	8.0	5.3	8.3	7.0	4.3	6.3	6.7	5.3	6.0	4.3	7.7	4.7	4.3	6.2
DECLARATION	5.0	5.7	6.3	7.3	7.3	4.0	6.7	7.7	6.0	6.3	5.7	5.0	6.0	6.0	7.3	6.0	5.7	6.1
007 (DSB)	7.0	7.0	6.3	8.7	4.0	4.0	6.3	8.3	5.7	6.3	5.7	4.0	6.3	6.0	7.0	5.7	4.7	6.1
COBRA 2 (IS-AP 9)	6.0	6.3	6.0	8.3	6.0	5.3	6.7	7.7	2.3	6.3	7.0	5.7	6.0	5.7	7.0	5.0	5.7	6.1
T-1	7.7	7.0	7.3	7.0	4.7	6.3	6.7	8.0	2.7	6.3	5.3	5.3	7.0	5.3	7.7	4.0	4.7	6.1
LS-44	6.7	6.3	5.7	6.3	6.0	6.7	6.7	8.3	4.0	6.3	5.3	6.3	5.7	4.7	7.7	5.0	5.0	6.0
PENN A-1	5.0	6.3	6.3	8.0	6.3	5.0	6.3	8.3	5.0	6.7	6.3	4.7	5.3	4.3	7.7	4.7	5.0	6.0
13-M	4.3	6.3	5.7	7.0	8.0	5.3	6.7	8.0	4.7	6.7	6.7	5.0	5.7	3.7	7.3	5.0	4.7	5.9
BENGAL	7.0	7.0	5.7	8.0	5.3	5.7	6.7	8.0	3.3	6.0	5.3	4.3	6.0	4.3	7.3	4.7	5.0	5.9
SHARK (23R)	5.7	6.0	5.0	7.3	5.3	4.0	6.5	7.0	6.3	6.7	5.3	5.3	6.3	5.3	7.0	5.0	5.3	5.9
INDEPENDENCE	5.7	5.7	6.0	7.7	4.7	4.0	6.0	7.7	5.0	7.0	5.7	5.7	5.7	5.3	7.7	4.7	5.3	5.8
ALPHA	6.3	6.0	5.0	8.3	5.7	4.7	6.7	8.0	2.3	6.3	5.7	5.3	6.0	4.7	8.0	3.7	6.0	5.8
MACKENZIE (SRX 1GPD)	5.7	5.0	5.0	7.7	6.0	4.0	6.7	7.0	7.0	6.7	5.3	4.7	5.3	5.0	7.7	3.7	5.3	5.7
CY-2	3.0	5.3	2.7	7.7	8.0	5.0	5.7	8.0	6.0	6.0	5.3	4.3	5.7	4.3	7.3	5.7	7.3	5.7
TYEE (SRX 1GD)	7.0	6.3	5.7	6.3	4.3	4.0	5.7	6.7	6.7	6.7	4.3	4.3	5.3	5.3	7.0	4.7	5.3	5.6
PENNLINKS II	4.7	7.0	6.3	6.7	7.0	4.7	7.0	7.3	1.7	7.0	4.3	4.3	6.0	4.3	7.7	3.7	5.7	5.6
AUTHORITY (235050)	5.3	5.7	5.7	7.3	6.3	4.0	5.0	7.7	4.7	6.7	5.7	4.3	5.7	4.0	7.0	4.7	4.3	5.5
PENNCROSS	5.3	5.7	4.7	6.7	5.3	6.3	6.0	5.3	1.3	6.3	5.7	4.3	6.7	4.7	7.7	4.7	5.7	5.4
LSD VALUE	2.5	1.6	1.6	1.5	1.9	1.6	2.1	1.1	2.2	1.0	1.7	1.6	0.8	1.4	0.7	1.7	2.0	0.4
C.V. (%)	26.9	16.0	17.5	12.1	19.5	20.6	18.7	8.6	30.2	10.0	18.8	19.4	8.7	18.1	6.2	21.7	23.7	17.3

TABLE 9C.

SPRING GREENUP RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	AZ1	IA1	IL1	IN1	KY1	MI1	MN1	NC1	NJ1	NY1	OK1	PA1	QE1	SD1	TX1	UT1	WI1	MEAN
VESPER	5.7	6.3	6.0	6.0	7.7	6.3	6.0	5.0	3.3	6.3	7.3	5.7	7.7	7.0	7.3	3.7	6.0	6.1
GREENWICH	6.3	7.0	6.0	6.0	6.7	6.0	6.3	5.3	2.0	6.3	7.0	6.3	7.3	7.3	7.3	3.3	5.3	6.0
LEGENDARY	6.0	6.3	6.0	5.7	6.7	6.0	6.0	4.7	4.3	6.0	6.0	5.3	7.3	7.0	7.7	3.7	6.7	6.0
SR 7200	4.7	7.0	5.3	6.3	7.3	5.3	6.7	5.0	5.7	5.3	6.7	4.7	6.7	7.0	7.3	3.7	5.3	5.9
VENUS (EFD)	5.3	5.7	6.0	5.7	6.7	6.3	5.3	5.0	2.3	6.3	6.7	6.3	6.7	7.0	7.7	3.3	6.3	5.8
VILLA (IS-AC 1)	4.3	6.3	5.7	5.3	7.0	4.0	5.7	4.7	4.3	6.0	6.7	5.7	7.3	6.7	7.7	3.7	5.7	5.7
LSD VALUE	2.1	1.5	1.1	1.8	1.9	1.5	1.8	0.7	1.4	0.8	2.0	0.9	1.1	0.5	0.9	1.3	1.8	0.4
C.V. (%)	24.7	14.6	11.4	19.0	17.2	16.1	18.4	8.3	24.1	7.8	18.6	10.2	9.9	4.8	7.7	23.0	19.2	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 10A. LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	AZ1	IA1	IN1	MI1	NC1	NJ1	QE1	TX1	MEAN
LEGENDARY	7.7	8.3	.	7.3	9.0	9.0	8.0	7.0	8.0
GREENWICH	7.3	8.3	.	7.7	9.0	9.0	7.7	7.0	8.0
TYEE (SRX 1GD)	7.7	7.3	9.0	8.7	8.0	7.7	7.7	7.7	8.0
VENUS (EFD)	7.3	8.0	.	7.7	9.0	9.0	7.7	6.7	7.9
SHARK (23R)	8.0	8.0	8.7	8.0	8.0	7.0	7.7	7.3	7.8
VESPER	7.0	7.3	.	8.0	9.0	9.0	8.0	6.3	7.8
VILLA (IS-AC 1)	7.3	8.0	.	8.0	9.0	9.0	7.7	5.7	7.8
MACKENZIE (SRX 1GPD)	7.7	8.0	8.0	7.7	8.0	8.0	7.3	7.3	7.8
SR 7200	7.7	6.7	.	7.0	9.0	9.0	7.7	6.3	7.6
CY-2	7.7	7.0	8.7	8.0	8.0	7.3	7.3	6.3	7.5
INDEPENDENCE	7.7	6.7	8.3	8.7	8.0	7.0	7.3	6.3	7.5
007 (DSB)	7.3	7.3	8.0	8.3	8.0	6.7	8.0	6.3	7.5
AUTHORITY (235050)	8.0	8.0	9.0	7.7	8.0	6.0	7.0	6.3	7.5
PENN A-1	7.7	6.7	8.7	8.0	8.0	5.7	8.0	6.7	7.4
COBRA 2 (IS-AP 9)	7.0	7.3	9.0	8.7	8.0	5.3	7.3	6.3	7.4
DECLARATION	7.3	7.0	8.0	8.0	8.0	5.7	7.0	7.0	7.3
BENGAL	8.0	6.7	8.3	8.3	8.0	4.3	7.7	6.0	7.2
T-1	7.7	6.7	8.7	8.0	8.0	4.7	7.3	6.3	7.2
BENCHMARK DSR	7.0	6.7	8.7	8.0	8.0	4.7	7.0	6.7	7.1
13-M	7.3	7.0	7.7	7.7	8.0	4.0	7.7	6.7	7.0
MEMORIAL (A03-EDI)	7.0	7.0	7.7	7.0	7.7	4.7	7.7	7.3	7.0
KINGPIN (9200)	7.3	6.7	8.0	8.0	8.0	3.7	7.7	6.7	7.0
ALPHA	7.3	7.0	8.0	7.7	8.0	4.3	7.3	6.0	7.0
LS-44	7.3	7.0	8.3	8.3	7.7	3.7	7.3	6.0	7.0
PENNLINKS II	6.7	7.0	6.7	8.0	7.0	2.7	7.7	6.7	6.5
PENNCROSS	7.3	6.7	6.0	7.3	6.3	1.0	7.0	5.7	5.9
LSD VALUE	1.6	0.9	1.2	1.0	0.3	0.9	0.8	1.0	0.4
C.V. (%)	13.3	7.5	9.4	7.7	2.4	9.5	6.4	9.3	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 10B. LEAF TEXTURE RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/								
	AZ1	IA1	IN1	MI1	NC1	NJ1	QE1	TX1	MEAN
TYEE (SRX 1GD)	7.7	7.3	9.0	8.7	8.0	7.7	7.7	7.7	8.0
SHARK (23R)	8.0	8.0	8.7	8.0	8.0	7.0	7.7	7.3	7.8
MACKENZIE (SRX 1GPD)	7.7	8.0	8.0	7.7	8.0	8.0	7.3	7.3	7.8
CY-2	7.7	7.0	8.7	8.0	8.0	7.3	7.3	6.3	7.5
INDEPENDENCE	7.7	6.7	8.3	8.7	8.0	7.0	7.3	6.3	7.5
007 (DSB)	7.3	7.3	8.0	8.3	8.0	6.7	8.0	6.3	7.5
AUTHORITY (235050)	8.0	8.0	9.0	7.7	8.0	6.0	7.0	6.3	7.5
PENN A-1	7.7	6.7	8.7	8.0	8.0	5.7	8.0	6.7	7.4
COBRA 2 (IS-AP 9)	7.0	7.3	9.0	8.7	8.0	5.3	7.3	6.3	7.4
DECLARATION	7.3	7.0	8.0	8.0	8.0	5.7	7.0	7.0	7.3
BENGAL	8.0	6.7	8.3	8.3	8.0	4.3	7.7	6.0	7.2
T-1	7.7	6.7	8.7	8.0	8.0	4.7	7.3	6.3	7.2
BENCHMARK DSR	7.0	6.7	8.7	8.0	8.0	4.7	7.0	6.7	7.1
13-M	7.3	7.0	7.7	7.7	8.0	4.0	7.7	6.7	7.0
MEMORIAL (A03-EDI)	7.0	7.0	7.7	7.0	7.7	4.7	7.7	7.3	7.0
KINGPIN (9200)	7.3	6.7	8.0	8.0	8.0	3.7	7.7	6.7	7.0
ALPHA	7.3	7.0	8.0	7.7	8.0	4.3	7.3	6.0	7.0
LS-44	7.3	7.0	8.3	8.3	7.7	3.7	7.3	6.0	7.0
PENNLINKS II	6.7	7.0	6.7	8.0	7.0	2.7	7.7	6.7	6.5
PENNCROSS	7.3	6.7	6.0	7.3	6.3	1.0	7.0	5.7	5.9
LSD VALUE	1.6	0.9	1.2	1.0	0.4	1.1	0.8	1.0	0.4
C.V. (%)	13.6	7.9	9.4	7.7	2.9	12.7	6.5	9.2	9.0

TABLE 10C. LEAF TEXTURE RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/							MEAN
	AZ1	IA1	MI1	NC1	NJ1	QE1	TX1	
LEGENDARY	7.7	8.3	7.3	9	9	8.0	7.0	8.0
GREENWICH	7.3	8.3	7.7	9	9	7.7	7.0	8.0
VENUS (EFD)	7.3	8.0	7.7	9	9	7.7	6.7	7.9
VESPER	7.0	7.3	8.0	9	9	8.0	6.3	7.8
VILLA (IS-AC 1)	7.3	8.0	8.0	9	9	7.7	5.7	7.8
SR 7200	7.7	6.7	7.0	9	9	7.7	6.3	7.6
LSD VALUE	1.4	0.8	0.9	0	0	0.8	1.0	0.3
C.V. (%)	11.9	6.1	7.6	0	0	6.1	9.6	6.7

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

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

TABLE 11A. SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	AR1	AZ1	MI1	NE1	QE1	TX1	WI1	MEAN
VENUS (EFD)	9.0	7.3	8.0	8.7	8.0	6.7	7.7	7.9
VILLA (IS-AC 1)	9.0	7.0	7.3	9.0	7.7	7.0	8.3	7.9
LEGENDARY	9.0	7.7	7.7	9.0	6.7	7.0	8.0	7.9
SHARK (23R)	8.0	8.7	6.7	9.0	7.0	6.7	8.3	7.8
GREENWICH	9.0	7.7	7.3	8.3	7.7	6.3	7.7	7.7
VESPER	8.7	7.0	7.7	9.0	7.7	6.3	7.7	7.7
007 (DSB)	8.0	8.3	6.7	7.7	7.0	7.3	8.3	7.6
CY-2	7.7	8.7	5.3	9.0	7.0	7.0	8.3	7.6
MACKENZIE (SRX 1GPD)	7.7	8.7	6.7	8.7	7.0	7.0	7.3	7.6
13-M	7.7	7.7	6.3	9.0	7.3	7.0	7.7	7.5
AUTHORITY (235050)	8.0	7.3	7.0	8.0	7.3	7.3	7.7	7.5
DECLARATION	7.0	8.3	6.7	8.7	6.7	7.3	8.0	7.5
TYEE (SRX 1GD)	8.0	8.0	6.7	8.0	7.0	6.7	8.0	7.5
INDEPENDENCE	7.0	8.7	6.7	8.7	7.0	7.0	7.0	7.4
COBRA 2 (IS-AP 9)	7.3	7.7	6.0	9.0	7.3	7.0	7.3	7.4
T-1	7.7	8.7	6.7	9.0	6.7	7.0	6.0	7.4
LS-44	7.0	7.7	5.7	9.0	7.7	7.3	6.7	7.3
SR 7200	8.3	7.0	5.7	9.0	7.0	6.3	6.3	7.1
BENCHMARK DSR	7.3	8.0	6.0	7.7	6.7	7.0	7.0	7.1
PENN A-1	7.3	7.7	6.3	7.3	7.0	6.7	7.0	7.0
ALPHA	7.3	8.7	5.3	9.0	7.0	6.3	5.3	7.0
MEMORIAL (A03-EDI)	7.3	7.7	5.3	8.0	6.3	7.0	7.3	7.0
KINGPIN (9200)	6.7	8.7	4.7	8.7	6.7	6.3	7.0	7.0
BENGAL	7.0	8.3	4.7	7.7	6.3	7.0	6.7	6.8
PENNLINKS II	5.7	7.0	4.0	9.0	7.0	6.3	5.7	6.4
PENNCROSS	5.7	8.3	4.3	8.7	7.0	5.7	4.3	6.3
LSD VALUE	0.7	1.5	1.7	1.3	1.1	1.4	1.2	0.5
C.V. (%)	5.6	11.8	17.0	9.3	9.5	12.6	10.2	11.0

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

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

TABLE 11B. SPRING DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/							MEAN
	AR1	AZ1	MI1	NE1	QE1	TX1	WI1	
SHARK (23R)	8.0	8.7	6.7	9.0	7.0	6.7	8.3	7.8
007 (DSB)	8.0	8.3	6.7	7.7	7.0	7.3	8.3	7.6
CY-2	7.7	8.7	5.3	9.0	7.0	7.0	8.3	7.6
MACKENZIE (SRX 1GPD)	7.7	8.7	6.7	8.7	7.0	7.0	7.3	7.6
13-M	7.7	7.7	6.3	9.0	7.3	7.0	7.7	7.5
AUTHORITY (235050)	8.0	7.3	7.0	8.0	7.3	7.3	7.7	7.5
DECLARATION	7.0	8.3	6.7	8.7	6.7	7.3	8.0	7.5
TYEE (SRX 1GD)	8.0	8.0	6.7	8.0	7.0	6.7	8.0	7.5
INDEPENDENCE	7.0	8.7	6.7	8.7	7.0	7.0	7.0	7.4
COBRA 2 (IS-AP 9)	7.3	7.7	6.0	9.0	7.3	7.0	7.3	7.4
T-1	7.7	8.7	6.7	9.0	6.7	7.0	6.0	7.4
LS-44	7.0	7.7	5.7	9.0	7.7	7.3	6.7	7.3
BENCHMARK DSR	7.3	8.0	6.0	7.7	6.7	7.0	7.0	7.1
PENN A-1	7.3	7.7	6.3	7.3	7.0	6.7	7.0	7.0
ALPHA	7.3	8.7	5.3	9.0	7.0	6.3	5.3	7.0
MEMORIAL (A03-EDI)	7.3	7.7	5.3	8.0	6.3	7.0	7.3	7.0
KINGPIN (9200)	6.7	8.7	4.7	8.7	6.7	6.3	7.0	7.0
BENGAL	7.0	8.3	4.7	7.7	6.3	7.0	6.7	6.8
PENNLINKS II	5.7	7.0	4.0	9.0	7.0	6.3	5.7	6.4
PENNCROSS	5.7	8.3	4.3	8.7	7.0	5.7	4.3	6.3
LSD VALUE	0.7	1.4	1.7	1.4	1.2	1.3	1.3	0.5
C.V. (%)	6.2	10.9	18.4	10.5	10.3	11.6	11.1	11.4

TABLE 11C. SPRING DENSITY RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/							MEAN
	AR1	AZ1	MI1	NE1	QE1	TX1	WI1	
VENUS (EFD)	9.0	7.3	8.0	8.7	8.0	6.7	7.7	7.9
VILLA (IS-AC 1)	9.0	7.0	7.3	9.0	7.7	7.0	8.3	7.9
LEGENDARY	9.0	7.7	7.7	9.0	6.7	7.0	8.0	7.9
GREENWICH	9.0	7.7	7.3	8.3	7.7	6.3	7.7	7.7
VESPER	8.7	7.0	7.7	9.0	7.7	6.3	7.7	7.7
SR 7200	8.3	7.0	5.7	9.0	7.0	6.3	6.3	7.1
LSD VALUE	0.5	1.7	1.6	0.5	0.8	1.7	0.8	0.5
C.V. (%)	3.8	14.8	13.4	3.8	6.3	15.5	6.9	9.7

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

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

TABLE 12A.

SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	AZ1	IL1	IN1	MN1	NC1	NE1	OK1	PA1	QE1	TX1	UT1	WI1	MEAN
TYEE (SRX 1GD)	7.7	8.7	9.0	6.3	7.3	8.7	6.7	8.7	7.3	6.7	7.0	8.7	7.7
SHARK (23R)	7.7	8.7	9.0	7.0	7.7	9.0	7.0	8.3	7.7	6.0	7.0	7.3	7.7
007 (DSB)	8.0	8.3	9.0	7.7	7.7	8.0	6.0	7.3	7.7	6.7	6.7	8.7	7.6
AUTHORITY (235050)	6.3	7.3	8.7	8.3	7.7	8.3	7.7	8.0	7.7	6.3	6.3	8.0	7.6
DECLARATION	8.7	8.3	9.0	6.3	7.0	8.3	6.0	7.0	7.7	7.0	6.3	8.3	7.5
CY-2	7.3	8.0	8.3	7.3	7.7	9.0	7.3	6.7	7.3	6.7	5.7	8.0	7.4
T-1	8.3	8.0	9.0	7.7	7.3	8.7	5.3	6.3	7.7	6.7	6.0	8.0	7.4
MACKENZIE (SRX 1GPD)	7.7	8.7	9.0	5.7	8.0	8.0	6.0	8.7	7.7	6.7	6.7	5.7	7.4
INDEPENDENCE	8.0	7.0	8.7	6.7	7.3	8.7	5.7	7.0	7.3	7.0	6.0	8.3	7.3
COBRA 2 (IS-AP 9)	7.3	7.3	8.3	7.3	7.0	9.0	5.3	6.7	7.7	6.3	7.0	7.7	7.3
KINGPIN (9200)	7.3	8.3	8.0	7.0	7.0	8.3	6.3	6.7	7.3	6.3	6.3	7.3	7.2
PENN A-1	7.0	7.7	8.7	7.7	7.7	8.0	6.0	7.3	7.0	6.3	6.0	7.0	7.2
BENGAL	8.3	7.7	8.3	6.3	7.0	8.3	7.0	6.0	7.3	6.3	5.7	7.7	7.2
MEMORIAL (A03-EDI)	7.3	7.7	7.7	7.0	7.3	8.3	6.3	6.3	7.7	6.7	6.0	7.7	7.2
LS-44	7.3	8.0	8.0	7.0	7.0	9.0	6.7	6.0	7.3	6.3	4.7	8.7	7.2
BENCHMARK DSR	7.3	7.3	8.3	6.3	7.7	8.3	5.7	6.7	7.7	6.3	6.3	7.3	7.1
ALPHA	7.3	8.0	8.3	6.3	7.3	9.0	4.7	6.0	7.7	6.7	5.3	8.0	7.1
13-M	7.7	6.3	8.3	6.3	7.0	9.0	6.0	5.3	7.3	6.0	5.7	7.7	6.9
LEGENDARY	8.0	8.0	.	2.0	9.0	9.0	2.0	2.0	7.7	6.0	9.0	8.0	6.4
VENUS (EFD)	7.0	8.0	.	2.3	9.0	8.7	2.0	1.3	8.3	7.0	9.0	7.7	6.4
PENNLINKS II	6.7	6.7	7.0	4.7	6.7	9.0	5.3	4.0	7.3	6.7	4.3	7.7	6.3
VILLA (IS-AC 1)	6.7	8.3	.	2.0	9.0	9.0	2.3	1.7	7.7	6.0	9.0	8.0	6.3
GREENWICH	8.3	8.0	.	2.0	9.0	8.7	2.0	1.3	8.0	6.0	9.0	7.0	6.3
VESPER	6.7	8.0	.	2.0	9.0	9.0	2.0	1.0	8.0	6.3	9.0	7.3	6.2
SR 7200	7.3	7.0	.	1.7	8.0	8.7	2.0	1.0	8.0	6.7	9.0	7.0	6.0
PENNCROSS	8.0	6.3	6.0	4.0	6.0	9.0	4.0	4.3	6.7	6.3	3.7	7.7	6.0
LSD VALUE	1.7	1.2	1.0	1.3	0.7	1.0	1.3	1.1	0.9	0.9	0.8	1.3	0.3
C.V. (%)	14.5	9.6	7.7	14.8	5.7	7.2	15.9	12.6	7.5	8.6	7.4	10.7	10.2

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

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

TABLE 12B.

SUMMER DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/											MEAN	
	AZ1	IL1	IN1	MN1	NC1	NE1	OK1	PA1	QE1	TX1	UT1		WI1
TYEE (SRX 1GD)	7.7	8.7	9.0	6.3	7.3	8.7	6.7	8.7	7.3	6.7	7.0	8.7	7.7
SHARK (23R)	7.7	8.7	9.0	7.0	7.7	9.0	7.0	8.3	7.7	6.0	7.0	7.3	7.7
007 (DSB)	8.0	8.3	9.0	7.7	7.7	8.0	6.0	7.3	7.7	6.7	6.7	8.7	7.6
AUTHORITY (235050)	6.3	7.3	8.7	8.3	7.7	8.3	7.7	8.0	7.7	6.3	6.3	8.0	7.6
DECLARATION	8.7	8.3	9.0	6.3	7.0	8.3	6.0	7.0	7.7	7.0	6.3	8.3	7.5
CY-2	7.3	8.0	8.3	7.3	7.7	9.0	7.3	6.7	7.3	6.7	5.7	8.0	7.4
T-1	8.3	8.0	9.0	7.7	7.3	8.7	5.3	6.3	7.7	6.7	6.0	8.0	7.4
MACKENZIE (SRX 1GPD)	7.7	8.7	9.0	5.7	8.0	8.0	6.0	8.7	7.7	6.7	6.7	5.7	7.4
INDEPENDENCE	8.0	7.0	8.7	6.7	7.3	8.7	5.7	7.0	7.3	7.0	6.0	8.3	7.3
COBRA 2 (IS-AP 9)	7.3	7.3	8.3	7.3	7.0	9.0	5.3	6.7	7.7	6.3	7.0	7.7	7.3
KINGPIN (9200)	7.3	8.3	8.0	7.0	7.0	8.3	6.3	6.7	7.3	6.3	6.3	7.3	7.2
PENN A-1	7.0	7.7	8.7	7.7	7.7	8.0	6.0	7.3	7.0	6.3	6.0	7.0	7.2
BENGAL	8.3	7.7	8.3	6.3	7.0	8.3	7.0	6.0	7.3	6.3	5.7	7.7	7.2
MEMORIAL (A03-EDI)	7.3	7.7	7.7	7.0	7.3	8.3	6.3	6.3	7.7	6.7	6.0	7.7	7.2
LS-44	7.3	8.0	8.0	7.0	7.0	9.0	6.7	6.0	7.3	6.3	4.7	8.7	7.2
BENCHMARK DSR	7.3	7.3	8.3	6.3	7.7	8.3	5.7	6.7	7.7	6.3	6.3	7.3	7.1
ALPHA	7.3	8.0	8.3	6.3	7.3	9.0	4.7	6.0	7.7	6.7	5.3	8.0	7.1
13-M	7.7	6.3	8.3	6.3	7.0	9.0	6.0	5.3	7.3	6.0	5.7	7.7	6.9
PENNLINKS II	6.7	6.7	7.0	4.7	6.7	9.0	5.3	4.0	7.3	6.7	4.3	7.7	6.3
PENNCROSS	8.0	6.3	6.0	4.0	6.0	9.0	4.0	4.3	6.7	6.3	3.7	7.7	6.0
LSD VALUE	1.7	1.2	1.0	1.5	0.8	1.1	1.5	1.2	0.9	1.0	0.9	1.4	0.4
C.V. (%)	14.0	10.0	7.7	13.9	6.9	7.8	15.2	11.3	7.6	9.3	9.5	11.2	10.5

TABLE 12C.

SUMMER DENSITY RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/											MEAN
	AZ1	IL1	MN1	NC1	NE1	OK1	PA1	QE1	TX1	UT1	WI1	
LEGENDARY	8.0	8.0	2.0	9	9.0	2.0	2.0	7.7	6.0	9	8.0	6.4
VENUS (EFD)	7.0	8.0	2.3	9	8.7	2.0	1.3	8.3	7.0	9	7.7	6.4
VILLA (IS-AC 1)	6.7	8.3	2.0	9	9.0	2.3	1.7	7.7	6.0	9	8.0	6.3
GREENWICH	8.3	8.0	2.0	9	8.7	2.0	1.3	8.0	6.0	9	7.0	6.3
VESPER	6.7	8.0	2.0	9	9.0	2.0	1.0	8.0	6.3	9	7.3	6.2
SR 7200	7.3	7.0	1.7	8	8.7	2.0	1.0	8.0	6.7	9	7.0	6.0
LSD VALUE	1.9	1.0	0.5	0	0.7	0.4	0.7	0.9	0.5	0	1.1	0.3
C.V. (%)	16.1	7.9	16.7	0	4.6	11.5	29.4	7.3	5.3	0	8.9	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 13A. FALL DENSITY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	AR1	MI1	NE1	NJ1	QE1	TX1	MEAN
VILLA (IS-AC 1)	9.0	5.7	8.3	8.3	8.3	7.7	7.9
GREENWICH	9.0	6.3	9.0	7.7	8.0	7.0	7.8
VESPER	9.0	6.3	8.7	7.0	8.3	7.7	7.8
VENUS (EFD)	9.0	6.3	9.0	8.0	7.7	7.0	7.8
MACKENZIE (SRX 1GPD)	8.0	7.0	8.7	7.7	8.0	7.3	7.8
CY-2	7.7	7.3	9.0	7.0	8.0	7.3	7.7
LEGENDARY	8.7	6.0	8.3	8.3	8.0	7.0	7.7
TYEE (SRX 1GD)	8.3	7.3	8.3	7.7	7.7	7.0	7.7
SHARK (23R)	8.3	7.0	8.3	7.3	7.3	7.0	7.6
AUTHORITY (235050)	8.0	6.7	9.0	6.3	7.3	7.7	7.5
SR 7200	8.0	6.3	8.7	7.0	7.7	7.3	7.5
INDEPENDENCE	8.0	7.3	8.3	6.7	7.3	7.0	7.4
007 (DSB)	7.7	6.7	8.3	7.0	7.3	7.3	7.4
BENGAL	7.7	7.0	9.0	6.7	7.3	6.7	7.4
COBRA 2 (IS-AP 9)	8.0	7.0	9.0	5.3	7.0	8.0	7.4
PENN A-1	7.7	7.0	8.7	5.3	7.7	7.7	7.3
BENCHMARK DSR	7.0	7.0	9.0	5.3	7.0	7.3	7.1
T-1	7.7	7.0	9.0	5.0	7.0	6.7	7.1
13-M	7.3	6.7	8.3	4.7	7.7	7.3	7.0
DECLARATION	7.3	6.7	7.3	6.0	7.3	7.3	7.0
KINGPIN (9200)	7.7	6.7	9.0	3.7	7.3	7.7	7.0
MEMORIAL (A03-EDI)	7.3	7.0	9.0	4.0	7.0	7.7	7.0
LS-44	7.3	7.3	9.0	3.7	7.3	7.0	6.9
ALPHA	6.7	7.0	8.7	4.3	7.3	6.7	6.8
PENNLINKS II	5.0	7.0	8.7	2.3	7.3	7.3	6.3
PENNCROSS	4.7	6.3	9.0	1.0	7.3	6.7	5.8
LSD VALUE	0.9	0.8	0.8	1.2	0.8	0.8	0.4
C.V. (%)	7.6	7.7	5.8	12.3	6.4	7.2	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 13B. FALL DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	AR1	MI1	NE1	NJ1	QE1	TX1	MEAN
MACKENZIE (SRX 1GPD)	8.0	7.0	8.7	7.7	8.0	7.3	7.8
CY-2	7.7	7.3	9.0	7.0	8.0	7.3	7.7
TYEE (SRX 1GD)	8.3	7.3	8.3	7.7	7.7	7.0	7.7
SHARK (23R)	8.3	7.0	8.3	7.3	7.3	7.0	7.6
AUTHORITY (235050)	8.0	6.7	9.0	6.3	7.3	7.7	7.5
INDEPENDENCE	8.0	7.3	8.3	6.7	7.3	7.0	7.4
007 (DSB)	7.7	6.7	8.3	7.0	7.3	7.3	7.4
BENGAL	7.7	7.0	9.0	6.7	7.3	6.7	7.4
COBRA 2 (IS-AP 9)	8.0	7.0	9.0	5.3	7.0	8.0	7.4
PENN A-1	7.7	7.0	8.7	5.3	7.7	7.7	7.3
BENCHMARK DSR	7.0	7.0	9.0	5.3	7.0	7.3	7.1
T-1	7.7	7.0	9.0	5.0	7.0	6.7	7.1
13-M	7.3	6.7	8.3	4.7	7.7	7.3	7.0
DECLARATION	7.3	6.7	7.3	6.0	7.3	7.3	7.0
KINGPIN (9200)	7.7	6.7	9.0	3.7	7.3	7.7	7.0
MEMORIAL (A03-EDI)	7.3	7.0	9.0	4.0	7.0	7.7	7.0
LS-44	7.3	7.3	9.0	3.7	7.3	7.0	6.9
ALPHA	6.7	7.0	8.7	4.3	7.3	6.7	6.8
PENNLINKS II	5.0	7.0	8.7	2.3	7.3	7.3	6.3
PENNCROSS	4.7	6.3	9.0	1.0	7.3	6.7	5.8
LSD VALUE	1.0	0.7	0.7	1.2	0.8	0.9	0.4
C.V. (%)	8.4	6.7	5.4	14.3	6.5	7.6	7.9

TABLE 13C. FALL DENSITY RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	AR1	MI1	NE1	NJ1	QE1	TX1	MEAN
VILLA (IS-AC 1)	9.0	5.7	8.3	8.3	8.3	7.7	7.9
GREENWICH	9.0	6.3	9.0	7.7	8.0	7.0	7.8
VESPER	9.0	6.3	8.7	7.0	8.3	7.7	7.8
VENUS (EFD)	9.0	6.3	9.0	8.0	7.7	7.0	7.8
LEGENDARY	8.7	6.0	8.3	8.3	8.0	7.0	7.7
SR 7200	8.0	6.3	8.7	7.0	7.7	7.3	7.5
LSD VALUE	0.8	1.1	1.0	0.9	0.8	0.7	0.4
C.V. (%)	5.4	10.8	7.2	7.5	5.9	5.6	7.0

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

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

TABLE 14A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	MI1	OK1	MEAN
CY-2	98.7	97.7	95.3	97.2
DECLARATION	98.3	96.7	95.7	96.9
SHARK (23R)	98.7	96.7	94.7	96.7
MACKENZIE (SRX 1GPD)	98.7	97.7	93.3	96.6
13-M	97.0	96.3	95.7	96.3
AUTHORITY (235050)	96.3	97.0	95.7	96.3
TYEE (SRX 1GD)	97.7	94.0	97.0	96.2
BENGAL	98.0	95.7	94.0	95.9
PENN A-1	97.3	93.3	96.3	95.7
007 (DSB)	98.0	94.3	93.3	95.2
COBRA 2 (IS-AP 9)	97.0	95.7	92.3	95.0
KINGPIN (9200)	98.7	91.7	94.3	94.9
INDEPENDENCE	98.7	97.0	88.0	94.6
MEMORIAL (A03-EDI)	97.3	93.3	93.0	94.6
LS-44	97.3	93.3	92.3	94.3
BENCHMARK DSR	97.7	93.3	91.7	94.2
T-1	98.7	94.0	89.0	93.9
PENNCROSS	98.3	89.0	90.0	92.4
ALPHA	98.7	85.0	93.0	92.2
PENNLINKS II	96.0	85.0	90.7	90.6
LEGENDARY	97.3	95.0	8.3	66.9
GREENWICH	97.0	90.0	11.7	66.2
VILLA (IS-AC 1)	96.0	90.0	9.3	65.1
VESPER	96.0	92.3	5.0	64.4
SR 7200	96.0	87.3	6.7	63.3
VENUS (EFD)	96.7	86.7	5.0	62.8
LSD VALUE	2.5	7.2	4.5	2.9
C.V. (%)	1.6	4.8	3.8	3.6

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 14B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	MI1	OK1	MEAN
CY-2	98.7	97.7	95.3	97.2
DECLARATION	98.3	96.7	95.7	96.9
SHARK (23R)	98.7	96.7	94.7	96.7
MACKENZIE (SRX 1GPD)	98.7	97.7	93.3	96.6
13-M	97.0	96.3	95.7	96.3
AUTHORITY (235050)	96.3	97.0	95.7	96.3
TYEE (SRX 1GD)	97.7	94.0	97.0	96.2
BENGAL	98.0	95.7	94.0	95.9
PENN A-1	97.3	93.3	96.3	95.7
007 (DSB)	98.0	94.3	93.3	95.2
COBRA 2 (IS-AP 9)	97.0	95.7	92.3	95.0
KINGPIN (9200)	98.7	91.7	94.3	94.9
INDEPENDENCE	98.7	97.0	88.0	94.6
MEMORIAL (A03-EDI)	97.3	93.3	93.0	94.6
LS-44	97.3	93.3	92.3	94.3
BENCHMARK DSR	97.7	93.3	91.7	94.2
T-1	98.7	94.0	89.0	93.9
PENNCROSS	98.3	89.0	90.0	92.4
ALPHA	98.7	85.0	93.0	92.2
PENNLINKS II	96.0	85.0	90.7	90.6
LSD VALUE	2.2	6.4	4.8	2.8
C.V. (%)	1.4	4.2	3.2	3.1

TABLE 14C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	MI1	OK1	MEAN
LEGENDARY	97.3	95.0	8.3	66.9
GREENWICH	97.0	90.0	11.7	66.2
VILLA (IS-AC 1)	96.0	90.0	9.3	65.1
VESPER	96.0	92.3	5.0	64.4
SR 7200	96.0	87.3	6.7	63.3
VENUS (EFD)	96.7	86.7	5.0	62.8
LSD VALUE	3.3	9.3	3.4	3.5
C.V. (%)	2.1	6.4	27.3	5.8

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

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

TABLE 15A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	OK1	SD1	MEAN
TYEE (SRX 1GD)	97.0	98.0	97.5
CY-2	95.7	97.0	96.3
BENGAL	94.0	98.0	96.0
LS-44	93.3	98.7	96.0
MACKENZIE (SRX 1GPD)	97.0	95.0	96.0
ALPHA	94.0	97.0	95.5
COBRA 2 (IS-AP 9)	93.3	97.7	95.5
13-M	94.0	96.3	95.2
MEMORIAL (A03-EDI)	91.3	98.7	95.0
PENNLINKS II	91.3	98.7	95.0
SHARK (23R)	94.0	95.3	94.7
AUTHORITY (235050)	95.0	94.0	94.5
KINGPIN (9200)	91.3	97.7	94.5
PENN A-1	93.3	95.7	94.5
PENNCROSS	90.7	98.0	94.3
007 (DSB)	93.0	95.0	94.0
BENCHMARK DSR	91.7	96.3	94.0
INDEPENDENCE	93.0	95.0	94.0
DECLARATION	94.0	93.0	93.5
T-1	90.7	96.0	93.3
VILLA (IS-AC 1)	31.7	97.7	64.7
GREENWICH	30.0	97.3	63.7
LEGENDARY	20.0	97.3	58.7
SR 7200	16.7	95.7	56.2
VENUS (EFD)	15.0	97.3	56.2
VESPER	11.7	97.3	54.5
LSD VALUE	9.0	2.8	4.7
C.V. (%)	7.3	1.8	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 15B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	OK1	SD1	MEAN
TYEE (SRX 1GD)	97.0	98.0	97.5
CY-2	95.7	97.0	96.3
BENGAL	94.0	98.0	96.0
LS-44	93.3	98.7	96.0
MACKENZIE (SRX 1GPD)	97.0	95.0	96.0
ALPHA	94.0	97.0	95.5
COBRA 2 (IS-AP 9)	93.3	97.7	95.5
13-M	94.0	96.3	95.2
MEMORIAL (A03-EDI)	91.3	98.7	95.0
PENNLINKS II	91.3	98.7	95.0
SHARK (23R)	94.0	95.3	94.7
AUTHORITY (235050)	95.0	94.0	94.5
KINGPIN (9200)	91.3	97.7	94.5
PENN A-1	93.3	95.7	94.5
PENNCROSS	90.7	98.0	94.3
007 (DSB)	93.0	95.0	94.0
BENCHMARK DSR	91.7	96.3	94.0
INDEPENDENCE	93.0	95.0	94.0
DECLARATION	94.0	93.0	93.5
T-1	90.7	96.0	93.3
LSD VALUE	3.7	3.1	2.4
C.V. (%)	2.5	2.0	2.2

TABLE 15C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	OK1	SD1	MEAN
VILLA (IS-AC 1)	31.7	97.7	64.7
GREENWICH	30.0	97.3	63.7
LEGENDARY	20.0	97.3	58.7
SR 7200	16.7	95.7	56.2
VENUS (EFD)	15.0	97.3	56.2
VESPER	11.7	97.3	54.5
LSD VALUE	17.4	1.3	8.7
C.V. (%)	51.8	0.8	13.0

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

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

TABLE 16A. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	MI1
SHARK (23R)	91.7
13-M	90.0
BENCHMARK DSR	90.0
COBRA 2 (IS-AP 9)	90.0
LS-44	90.0
MEMORIAL (A03-EDI)	90.0
T-1	90.0
AUTHORITY (235050)	88.3
INDEPENDENCE	88.3
KINGPIN (9200)	88.3
PENN A-1	88.3
PENNLINKS II	88.3
ALPHA	86.7
BENGAL	86.7
MACKENZIE (SRX 1GPD)	86.7
PENNCROSS	86.7
TYEE (SRX 1GD)	86.7
007 (DSB)	85.0
CY-2	85.0
DECLARATION	81.7
SR 7200	81.7
GREENWICH	80.0
VESPER	80.0
VILLA (IS-AC 1)	80.0
LEGENDARY	78.3
VENUS (EFD)	78.3
LSD VALUE	9.1
C.V. (%)	6.5

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

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

TABLE 16B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	MI1
SHARK (23R)	91.7
13-M	90.0
BENCHMARK DSR	90.0
COBRA 2 (IS-AP 9)	90.0
LS-44	90.0
MEMORIAL (A03-EDI)	90.0
T-1	90.0
AUTHORITY (235050)	88.3
INDEPENDENCE	88.3
KINGPIN (9200)	88.3
PENN A-1	88.3
PENNLINKS II	88.3
ALPHA	86.7
BENGAL	86.7
MACKENZIE (SRX 1GPD)	86.7
PENNCROSS	86.7
TYEE (SRX 1GD)	86.7
007 (DSB)	85.0
CY-2	85.0
DECLARATION	81.7
LSD VALUE	9.9
C.V. (%)	7.0

TABLE 16C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	MI1
SR 7200	81.7
GREENWICH	80.0
VESPER	80.0
VILLA (IS-AC 1)	80.0
LEGENDARY	78.3
VENUS (EFD)	78.3
LSD VALUE	5.7
C.V. (%)	4.4

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 17A. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	OK1
CY-2	5.0
AUTHORITY (235050)	4.0
BENGAL	4.0
DECLARATION	4.0
MACKENZIE (SRX 1GPD)	4.0
SHARK (23R)	4.0
007 (DSB)	3.7
13-M	3.7
KINGPIN (9200)	3.7
MEMORIAL (A03-EDI)	3.7
TYEE (SRX 1GD)	3.7
ALPHA	3.3
PENN A-1	3.3
BENCHMARK DSR	3.0
COBRA 2 (IS-AP 9)	3.0
INDEPENDENCE	3.0
LS-44	3.0
PENNCROSS	3.0
PENNLINKS II	3.0
T-1	3.0
VILLA (IS-AC 1)	3.0
LEGENDARY	2.7
VESPER	2.7
GREENWICH	2.3
SR 7200	2.3
VENUS (EFD)	2.0
LSD VALUE	0.7
C.V. (%)	12.8

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

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

TABLE 17B. WINTER COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	OK1
CY-2	5.0
AUTHORITY (235050)	4.0
BENGAL	4.0
DECLARATION	4.0
MACKENZIE (SRX 1GPD)	4.0
SHARK (23R)	4.0
007 (DSB)	3.7
13-M	3.7
KINGPIN (9200)	3.7
MEMORIAL (A03-EDI)	3.7
TYEE (SRX 1GD)	3.7
ALPHA	3.3
PENN A-1	3.3
BENCHMARK DSR	3.0
COBRA 2 (IS-AP 9)	3.0
INDEPENDENCE	3.0
LS-44	3.0
PENNCROSS	3.0
PENNLINKS II	3.0
T-1	3.0
LSD VALUE	0.7
C.V. (%)	11.5

TABLE 17C. WINTER COLOR RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	OK1
VILLA (IS-AC 1)	3.0
LEGENDARY	2.7
VESPER	2.7
GREENWICH	2.3
SR 7200	2.3
VENUS (EFD)	2.0
LSD VALUE	0.8
C.V. (%)	18.9

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 18A. DROUGHT TOLERANCE (WILTING) RATINGS OF BENTGRASS CULTIVARS
 GROWN ON A GREEN 1/
 2007 DATA

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

NAME	TX1
AUTHORITY (235050)	7.7
KINGPIN (9200)	7.3
13-M	7.0
MEMORIAL (A03-EDI)	7.0
BENCHMARK DSR	6.7
GREENWICH	6.7
LS-44	6.7
PENN A-1	6.7
PENNLINKS II	6.7
BENGAL	6.3
COBRA 2 (IS-AP 9)	6.3
LEGENDARY	6.3
PENNCROSS	6.3
SR 7200	6.3
VESPER	6.3
SHARK (23R)	6.0
VENUS (EFD)	6.0
MACKENZIE (SRX 1GPD)	5.7
007 (DSB)	5.3
ALPHA	5.3
DECLARATION	5.3
INDEPENDENCE	5.3
T-1	5.3
VILLA (IS-AC 1)	5.3
CY-2	5.0
TYEE (SRX 1GD)	5.0
LSD VALUE	2.2
C.V. (%)	21.8

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 18B. DROUGHT TOLERANCE (WILTING) RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	TX1
AUTHORITY (235050)	7.7
KINGPIN (9200)	7.3
13-M	7.0
MEMORIAL (A03-EDI)	7.0
BENCHMARK DSR	6.7
LS-44	6.7
PENN A-1	6.7
PENNLINKS II	6.7
BENGAL	6.3
COBRA 2 (IS-AP 9)	6.3
PENNCROSS	6.3
SHARK (23R)	6.0
MACKENZIE (SRX 1GPD)	5.7
007 (DSB)	5.3
ALPHA	5.3
DECLARATION	5.3
INDEPENDENCE	5.3
T-1	5.3
CY-2	5.0
TYEE (SRX 1GD)	5.0
LSD VALUE	2.2
C.V. (%)	22.7

TABLE 18C. DROUGHT TOLERANCE (WILTING) RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	TX1
GREENWICH	6.7
LEGENDARY	6.3
SR 7200	6.3
VESPER	6.3
VENUS (EFD)	6.0
VILLA (IS-AC 1)	5.3
LSD VALUE	1.8
C.V. (%)	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 19A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	KS1	MN1	NC1	TX1	VA1	MEAN
DECLARATION	6.3	8.0	9.0	6.7	8.7	7.7
MEMORIAL (A03-EDI)	5.3	8.0	9.0	6.7	8.0	7.4
LEGENDARY	4.7	8.0	9.0	5.3	8.3	7.1
SR 7200	4.0	8.0	9.0	5.7	8.7	7.1
13-M	4.7	8.0	9.0	5.3	8.0	7.0
BENCHMARK DSR	4.7	7.7	8.3	6.3	7.7	6.9
GREENWICH	3.3	8.7	9.0	4.7	8.7	6.9
VILLA (IS-AC 1)	4.7	8.0	9.0	4.3	8.3	6.9
VESPER	4.7	7.5	9.0	4.3	8.7	6.8
KINGPIN (9200)	4.3	7.3	8.7	5.3	8.3	6.8
CY-2	4.0	7.3	9.0	5.7	7.3	6.7
PENN A-1	3.7	6.3	9.0	6.7	7.7	6.7
007 (DSB)	5.0	6.3	8.7	4.7	8.0	6.5
VENUS (EFD)	3.3	8.0	9.0	3.3	8.7	6.5
MACKENZIE (SRX 1GPD)	4.0	5.7	9.0	5.7	7.3	6.3
COBRA 2 (IS-AP 9)	4.3	6.3	9.0	4.7	7.3	6.3
PENNLINKS II	5.0	7.3	8.0	3.0	7.3	6.1
AUTHORITY (235050)	4.0	5.7	9.0	3.7	7.3	5.9
PENNCROSS	4.0	4.7	9.0	5.3	6.7	5.9
LS-44	4.0	5.3	8.7	3.3	7.7	5.8
TYEE (SRX 1GD)	3.0	5.7	7.7	4.0	5.7	5.2
SHARK (23R)	3.0	4.7	8.0	4.0	6.0	5.1
ALPHA	3.3	4.0	7.0	3.3	6.3	4.8
BENGAL	3.0	4.0	6.7	3.3	6.0	4.6
T-1	3.0	4.0	6.3	3.0	6.3	4.5
INDEPENDENCE	2.3	3.7	4.7	3.0	5.3	3.8
LSD VALUE	1.4	1.3	1.1	2.6	1.4	0.7
C.V. (%)	21.9	12.5	8.3	34.7	11.4	16.6

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

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

TABLE 19B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	KS1	MN1	NC1	TX1	VA1	MEAN
DECLARATION	6.3	8.0	9.0	6.7	8.7	7.7
MEMORIAL (A03-EDI)	5.3	8.0	9.0	6.7	8.0	7.4
13-M	4.7	8.0	9.0	5.3	8.0	7.0
BENCHMARK DSR	4.7	7.7	8.3	6.3	7.7	6.9
KINGPIN (9200)	4.3	7.3	8.7	5.3	8.3	6.8
CY-2	4.0	7.3	9.0	5.7	7.3	6.7
PENN A-1	3.7	6.3	9.0	6.7	7.7	6.7
007 (DSB)	5.0	6.3	8.7	4.7	8.0	6.5
MACKENZIE (SRX 1GPD)	4.0	5.7	9.0	5.7	7.3	6.3
COBRA 2 (IS-AP 9)	4.3	6.3	9.0	4.7	7.3	6.3
PENNLINKS II	5.0	7.3	8.0	3.0	7.3	6.1
AUTHORITY (235050)	4.0	5.7	9.0	3.7	7.3	5.9
PENNCROSS	4.0	4.7	9.0	5.3	6.7	5.9
LS-44	4.0	5.3	8.7	3.3	7.7	5.8
TYEE (SRX 1GD)	3.0	5.7	7.7	4.0	5.7	5.2
SHARK (23R)	3.0	4.7	8.0	4.0	6.0	5.1
ALPHA	3.3	4.0	7.0	3.3	6.3	4.8
BENGAL	3.0	4.0	6.7	3.3	6.0	4.6
T-1	3.0	4.0	6.3	3.0	6.3	4.5
INDEPENDENCE	2.3	3.7	4.7	3.0	5.3	3.8
LSD VALUE	1.3	1.4	1.3	2.4	1.5	0.7
C.V. (%)	20.7	14.8	9.7	32.4	12.9	17.1

TABLE 19C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	KS1	MN1	NC1	TX1	VA1	MEAN
LEGENDARY	4.7	8.0	9	5.3	8.3	7.1
SR 7200	4.0	8.0	9	5.7	8.7	7.1
GREENWICH	3.3	8.7	9	4.7	8.7	6.9
VILLA (IS-AC 1)	4.7	8.0	9	4.3	8.3	6.9
VESPER	4.7	7.5	9	4.3	8.7	6.8
VENUS (EFD)	3.3	8.0	9	3.3	8.7	6.5
LSD VALUE	1.7	0.6	0	3.1	0.9	0.8
C.V. (%)	25.6	4.3	0	41.5	6.7	15.1

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

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

TABLE 20A. ANTHRACNOSE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	NJ1
LEGENDARY	7.7
SR 7200	7.7
INDEPENDENCE	7.3
VENUS (EFD)	7.0
VESPER	7.0
ALPHA	6.7
AUTHORITY (235050)	6.3
BENGAL	6.3
LS-44	6.3
PENN A-1	6.3
VILLA (IS-AC 1)	6.3
GREENWICH	6.0
007 (DSB)	5.7
CY-2	5.7
DECLARATION	5.7
PENNCROSS	5.7
PENNLINKS II	5.7
SHARK (23R)	5.7
13-M	5.0
BENCHMARK DSR	5.0
KINGPIN (9200)	5.0
T-1	5.0
MACKENZIE (SRX 1GPD)	4.7
MEMORIAL (A03-EDI)	4.7
COBRA 2 (IS-AP 9)	4.0
TYEE (SRX 1GD)	2.3
LSD VALUE	2.5
C.V. (%)	27.1

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 20B. ANTHRACNOSE RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	NJ1
INDEPENDENCE	7.3
ALPHA	6.7
AUTHORITY (235050)	6.3
BENGAL	6.3
LS-44	6.3
PENN A-1	6.3
007 (DSB)	5.7
CY-2	5.7
DECLARATION	5.7
PENNCROSS	5.7
PENNLINKS II	5.7
SHARK (23R)	5.7
13-M	5.0
BENCHMARK DSR	5.0
KINGPIN (9200)	5.0
T-1	5.0
MACKENZIE (SRX 1GPD)	4.7
MEMORIAL (A03-EDI)	4.7
COBRA 2 (IS-AP 9)	4.0
TYEE (SRX 1GD)	2.3
LSD VALUE	2.7
C.V. (%)	30.7

TABLE 20C. ANTHRACNOSE RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	NJ1
LEGENDARY	7.7
SR 7200	7.7
VENUS (EFD)	7.0
VESPER	7.0
VILLA (IS-AC 1)	6.3
GREENWICH	6.0
LSD VALUE	1.9
C.V. (%)	16.6

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

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

TABLE 21A. FALL COLOR (SEPTEMBER) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	TX1
BENCHMARK DSR	8.0
INDEPENDENCE	8.0
MEMORIAL (A03-EDI)	8.0
VILLA (IS-AC 1)	8.0
007 (DSB)	7.7
13-M	7.7
ALPHA	7.7
KINGPIN (9200)	7.7
LEGENDARY	7.7
PENNCROSS	7.7
SHARK (23R)	7.7
TYEE (SRX 1GD)	7.7
VENUS (EFD)	7.7
VESPER	7.7
AUTHORITY (235050)	7.3
BENGAL	7.3
COBRA 2 (IS-AP 9)	7.3
CY-2	7.3
LS-44	7.3
MACKENZIE (SRX 1GPD)	7.3
PENN A-1	7.3
PENNLINKS II	7.3
SR 7200	7.3
T-1	7.3
DECLARATION	7.0
GREENWICH	7.0
LSD VALUE	0.8
C.V. (%)	6.7

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

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

TABLE 21B. FALL COLOR (SEPTEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	TX1
BENCHMARK DSR	8.0
INDEPENDENCE	8.0
MEMORIAL (A03-EDI)	8.0
007 (DSB)	7.7
13-M	7.7
ALPHA	7.7
KINGPIN (9200)	7.7
PENNCROSS	7.7
SHARK (23R)	7.7
TYEE (SRX 1GD)	7.7
AUTHORITY (235050)	7.3
BENGAL	7.3
COBRA 2 (IS-AP 9)	7.3
CY-2	7.3
LS-44	7.3
MACKENZIE (SRX 1GPD)	7.3
PENN A-1	7.3
PENNLINKS II	7.3
T-1	7.3
DECLARATION	7.0
LSD VALUE	0.8
C.V. (%)	6.9

TABLE 21C. FALL COLOR (SEPTEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	TX1
VILLA (IS-AC 1)	8.0
LEGENDARY	7.7
VENUS (EFD)	7.7
VESPER	7.7
SR 7200	7.3
GREENWICH	7.0
LSD VALUE	0.8
C.V. (%)	6.2

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 22A. FALL COLOR (OCTOBER) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	TX1
BENCHMARK DSR	8.0
COBRA 2 (IS-AP 9)	8.0
DECLARATION	8.0
MEMORIAL (A03-EDI)	8.0
VILLA (IS-AC 1)	8.0
007 (DSB)	7.7
13-M	7.7
BENGAL	7.7
GREENWICH	7.7
KINGPIN (9200)	7.7
MACKENZIE (SRX 1GPD)	7.7
PENNLINKS II	7.7
SR 7200	7.7
T-1	7.7
VESPER	7.7
ALPHA	7.3
AUTHORITY (235050)	7.3
CY-2	7.3
LEGENDARY	7.3
LS-44	7.3
PENN A-1	7.3
PENNCROSS	7.3
SHARK (23R)	7.3
TYEE (SRX 1GD)	7.3
VENUS (EFD)	7.3
INDEPENDENCE	7.0
LSD VALUE	0.8
C.V. (%)	6.7

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

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

TABLE 22B. FALL COLOR (OCTOBER) RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	TX1
BENCHMARK DSR	8.0
COBRA 2 (IS-AP 9)	8.0
DECLARATION	8.0
MEMORIAL (A03-EDI)	8.0
007 (DSB)	7.7
13-M	7.7
BENGAL	7.7
KINGPIN (9200)	7.7
MACKENZIE (SRX 1GPD)	7.7
PENNLINKS II	7.7
T-1	7.7
ALPHA	7.3
AUTHORITY (235050)	7.3
CY-2	7.3
LS-44	7.3
PENN A-1	7.3
PENNCROSS	7.3
SHARK (23R)	7.3
TYEE (SRX 1GD)	7.3
INDEPENDENCE	7.0
LSD VALUE	0.8
C.V. (%)	6.6

TABLE 22C. FALL COLOR (OCTOBER) RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	TX1
VILLA (IS-AC 1)	8.0
GREENWICH	7.7
SR 7200	7.7
VESPER	7.7
LEGENDARY	7.3
VENUS (EFD)	7.3
LSD VALUE	0.8
C.V. (%)	6.9

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 23A. FALL COLOR (NOVEMBER) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	TX1
COBRA 2 (IS-AP 9)	8.0
KINGPIN (9200)	8.0
PENN A-1	8.0
007 (DSB)	7.7
BENCHMARK DSR	7.7
CY-2	7.7
INDEPENDENCE	7.7
LS-44	7.7
PENNLINKS II	7.7
SR 7200	7.7
TYEE (SRX 1GD)	7.7
13-M	7.3
ALPHA	7.3
DECLARATION	7.3
GREENWICH	7.3
LEGENDARY	7.3
MACKENZIE (SRX 1GPD)	7.3
MEMORIAL (A03-EDI)	7.3
PENNCROSS	7.3
SHARK (23R)	7.3
T-1	7.3
VENUS (EFD)	7.3
VESPER	7.3
VILLA (IS-AC 1)	7.3
BENGAL	7.0
AUTHORITY (235050)	6.7
LSD VALUE	1.1
C.V. (%)	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 23B. FALL COLOR (NOVEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	TX1
COBRA 2 (IS-AP 9)	8.0
KINGPIN (9200)	8.0
PENN A-1	8.0
007 (DSB)	7.7
BENCHMARK DSR	7.7
CY-2	7.7
INDEPENDENCE	7.7
LS-44	7.7
PENNLINKS II	7.7
TYEE (SRX 1GD)	7.7
13-M	7.3
ALPHA	7.3
DECLARATION	7.3
MACKENZIE (SRX 1GPD)	7.3
MEMORIAL (A03-EDI)	7.3
PENNCROSS	7.3
SHARK (23R)	7.3
T-1	7.3
BENGAL	7.0
AUTHORITY (235050)	6.7
LSD VALUE	1.0
C.V. (%)	8.1

TABLE 23C. FALL COLOR (NOVEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	TX1
SR 7200	7.7
GREENWICH	7.3
LEGENDARY	7.3
VENUS (EFD)	7.3
VESPER	7.3
VILLA (IS-AC 1)	7.3
LSD VALUE	1.5
C.V. (%)	12.4

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 24A. FALL COLOR (DECEMBER) RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	IN1	TX1	MEAN
GREENWICH	.	7.7	7.7
SR 7200	.	7.7	7.7
VESPER	.	7.3	7.3
CY-2	6.7	7.7	7.2
DECLARATION	6.7	7.7	7.2
LEGENDARY	.	7.0	7.0
VENUS (EFD)	.	7.0	7.0
VILLA (IS-AC 1)	.	7.0	7.0
13-M	6.0	7.7	6.8
MEMORIAL (A03-EDI)	5.7	7.7	6.7
TYEE (SRX 1GD)	6.0	7.3	6.7
BENGAL	6.0	7.0	6.5
KINGPIN (9200)	5.7	7.3	6.5
MACKENZIE (SRX 1GPD)	5.7	7.3	6.5
PENN A-1	5.0	8.0	6.5
SHARK (23R)	5.3	7.7	6.5
007 (DSB)	5.0	7.7	6.3
INDEPENDENCE	5.3	7.3	6.3
T-1	4.7	7.7	6.2
ALPHA	5.0	7.3	6.2
PENNLINKS II	4.7	7.3	6.0
PENNCROSS	4.7	7.0	5.8
COBRA 2 (IS-AP 9)	3.3	8.0	5.7
BENCHMARK DSR	4.3	7.0	5.7
LS-44	4.0	7.3	5.7
AUTHORITY (235050)	4.0	7.0	5.5
LSD VALUE	1.0	1.0	0.8
C.V. (%)	12.2	8.6	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 24B. FALL COLOR (DECEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	IN1	TX1	MEAN
CY-2	6.7	7.7	7.2
DECLARATION	6.7	7.7	7.2
13-M	6.0	7.7	6.8
MEMORIAL (A03-EDI)	5.7	7.7	6.7
TYEE (SRX 1GD)	6.0	7.3	6.7
BENGAL	6.0	7.0	6.5
KINGPIN (9200)	5.7	7.3	6.5
MACKENZIE (SRX 1GPD)	5.7	7.3	6.5
PENN A-1	5.0	8.0	6.5
SHARK (23R)	5.3	7.7	6.5
007 (DSB)	5.0	7.7	6.3
INDEPENDENCE	5.3	7.3	6.3
T-1	4.7	7.7	6.2
ALPHA	5.0	7.3	6.2
PENNLINKS II	4.7	7.3	6.0
PENNCROSS	4.7	7.0	5.8
COBRA 2 (IS-AP 9)	3.3	8.0	5.7
BENCHMARK DSR	4.3	7.0	5.7
LS-44	4.0	7.3	5.7
AUTHORITY (235050)	4.0	7.0	5.5
LSD VALUE	1.0	1.1	0.8
C.V. (%)	12.2	9.3	10.5

TABLE 24C. FALL COLOR (DECEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	TX1
GREENWICH	7.7
SR 7200	7.7
VESPER	7.3
LEGENDARY	7.0
VENUS (EFD)	7.0
VILLA (IS-AC 1)	7.0
LSD VALUE	0.7
C.V. (%)	5.6

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 25A. POA ANNUA RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	VA1	WI1	MEAN
LEGENDARY	9.0	8.7	8.8
MACKENZIE (SRX 1GPD)	9.0	8.7	8.8
GREENWICH	9.0	8.3	8.7
SHARK (23R)	9.0	8.3	8.7
VENUS (EFD)	9.0	8.3	8.7
VILLA (IS-AC 1)	9.0	8.3	8.7
007 (DSB)	9.0	8.0	8.5
AUTHORITY (235050)	9.0	8.0	8.5
TYEE (SRX 1GD)	9.0	8.0	8.5
CY-2	9.0	7.7	8.3
DECLARATION	8.7	8.0	8.3
VESPER	9.0	7.0	8.0
13-M	8.3	7.3	7.8
MEMORIAL (A03-EDI)	8.3	7.3	7.8
KINGPIN (9200)	8.0	7.0	7.5
INDEPENDENCE	7.7	7.0	7.3
SR 7200	8.3	6.3	7.3
BENGAL	7.3	7.0	7.2
COBRA 2 (IS-AP 9)	7.0	7.3	7.2
PENN A-1	8.0	6.3	7.2
LS-44	6.7	6.7	6.7
T-1	6.7	6.7	6.7
ALPHA	7.3	5.3	6.3
BENCHMARK DSR	5.7	6.7	6.2
PENNCROSS	5.3	4.3	4.8
PENNLINKS II	2.7	5.0	3.8
LSD VALUE	1.3	1.4	1.0
C.V. (%)	10.6	12.4	11.4

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

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

TABLE 25B. POA ANNUA RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	VA1	WI1	MEAN
MACKENZIE (SRX 1GPD)	9.0	8.7	8.8
SHARK (23R)	9.0	8.3	8.7
007 (DSB)	9.0	8.0	8.5
AUTHORITY (235050)	9.0	8.0	8.5
TYEE (SRX 1GD)	9.0	8.0	8.5
CY-2	9.0	7.7	8.3
DECLARATION	8.7	8.0	8.3
13-M	8.3	7.3	7.8
MEMORIAL (A03-EDI)	8.3	7.3	7.8
KINGPIN (9200)	8.0	7.0	7.5
INDEPENDENCE	7.7	7.0	7.3
BENGAL	7.3	7.0	7.2
COBRA 2 (IS-AP 9)	7.0	7.3	7.2
PENN A-1	8.0	6.3	7.2
LS-44	6.7	6.7	6.7
T-1	6.7	6.7	6.7
ALPHA	7.3	5.3	6.3
BENCHMARK DSR	5.7	6.7	6.2
PENNCROSS	5.3	4.3	4.8
PENNLINKS II	2.7	5.0	3.8
LSD VALUE	1.5	1.3	1.0
C.V. (%)	12.0	11.9	12.0

TABLE 25C. POA ANNUA RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	VA1	WI1	MEAN
LEGENDARY	9.0	8.7	8.8
GREENWICH	9.0	8.3	8.7
VENUS (EFD)	9.0	8.3	8.7
VILLA (IS-AC 1)	9.0	8.3	8.7
VESPER	9.0	7.0	8.0
SR 7200	8.3	6.3	7.3
LSD VALUE	0.8	1.7	0.9
C.V. (%)	5.3	13.5	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 26. PERCENT POA ANNUA RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/
 2007 DATA

NAME	IN1
MEMORIAL (A03-EDI)	6.0
007 (DSB)	5.0
PENNCROSS	4.3
PENNLINKS II	3.7
KINGPIN (9200)	2.7
LS-44	2.0
ALPHA	1.3
T-1	1.3
BENGAL	1.0
COBRA 2 (IS-AP 9)	1.0
TYEE (SRX 1GD)	1.0
CY-2	0.7
SHARK (23R)	0.7
13-M	0.3
AUTHORITY (235050)	0.3
BENCHMARK DSR	0.3
MACKENZIE (SRX 1GPD)	0.3
DECLARATION	0.0
INDEPENDENCE	0.0
PENN A-1	0.0
LSD VALUE	4.8
C.V. (%)	184.7

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 27A. RECOVERY RATINGS FROM CORE AERIFICATION OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 2/

NAME	AR1
INDEPENDENCE	7.7
BENCHMARK DSR	7.3
CY-2	7.3
DECLARATION	7.3
MACKENZIE (SRX 1GPD)	7.3
PENNLINKS II	7.3
ALPHA	7.0
KINGPIN (9200)	7.0
PENNCROSS	7.0
TYEE (SRX 1GD)	7.0
BENGAL	6.7
COBRA 2 (IS-AP 9)	6.7
MEMORIAL (A03-EDI)	6.7
007 (DSB)	6.3
13-M	6.3
LS-44	6.3
PENN A-1	6.3
T-1	6.0
AUTHORITY (235050)	5.7
SHARK (23R)	5.7
GREENWICH	3.7
VENUS (EFD)	3.3
VILLA (IS-AC 1)	3.3
VESPER	3.0
SR 7200	2.7
LEGENDARY	2.3
LSD VALUE	1.4
C.V. (%)	15.1

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

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

TABLE 27B. RECOVERY RATINGS FROM CORE AERIFICATION OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 2/

NAME	AR1
INDEPENDENCE	7.7
BENCHMARK DSR	7.3
CY-2	7.3
DECLARATION	7.3
MACKENZIE (SRX 1GPD)	7.3
PENNLINKS II	7.3
ALPHA	7.0
KINGPIN (9200)	7.0
PENNCROSS	7.0
TYEE (SRX 1GD)	7.0
BENGAL	6.7
COBRA 2 (IS-AP 9)	6.7
MEMORIAL (A03-EDI)	6.7
007 (DSB)	6.3
13-M	6.3
LS-44	6.3
PENN A-1	6.3
T-1	6.0
AUTHORITY (235050)	5.7
SHARK (23R)	5.7
LSD VALUE	1.5
C.V. (%)	13.7

TABLE 27C. RECOVERY RATINGS FROM CORE AERIFICATION OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 2/

NAME	AR1
GREENWICH	3.7
VENUS (EFD)	3.3
VILLA (IS-AC 1)	3.3
VESPER	3.0
SR 7200	2.7
LEGENDARY	2.3
LSD VALUE	1.3
C.V. (%)	25.6

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 28A. PERCENT DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN 2/
 2007 DATA

NAME	KY1
T-1	48.3
INDEPENDENCE	45.0
SHARK (23R)	41.7
ALPHA	39.3
PENNCROSS	39.0
BENGAL	35.0
MACKENZIE (SRX 1GPD)	33.3
SR 7200	27.3
TYEE (SRX 1GD)	27.3
LS-44	25.0
PENN A-1	24.3
VESPER	24.0
AUTHORITY (235050)	23.3
CY-2	21.7
PENNLINKS II	21.3
COBRA 2 (IS-AP 9)	20.0
007 (DSB)	19.3
GREENWICH	19.0
13-M	13.0
VENUS (EFD)	12.3
DECLARATION	11.0
BENCHMARK DSR	10.7
KINGPIN (9200)	8.7
LEGENDARY	8.7
MEMORIAL (A03-EDI)	7.7
VILLA (IS-AC 1)	7.7
LSD VALUE	18.0
C.V. (%)	47.3

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 28B. PERCENT DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN 2/
2007 DATA

NAME	KY1
T-1	48.3
INDEPENDENCE	45.0
SHARK (23R)	41.7
ALPHA	39.3
PENNCROSS	39.0
BENGAL	35.0
MACKENZIE (SRX 1GPD)	33.3
TYEE (SRX 1GD)	27.3
LS-44	25.0
PENN A-1	24.3
AUTHORITY (235050)	23.3
CY-2	21.7
PENNLINKS II	21.3
COBRA 2 (IS-AP 9)	20.0
007 (DSB)	19.3
13-M	13.0
DECLARATION	11.0
BENCHMARK DSR	10.7
KINGPIN (9200)	8.7
MEMORIAL (A03-EDI)	7.7
LSD VALUE	18.9
C.V. (%)	45.5

TABLE 28C. PERCENT DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN 2/
2007 DATA

NAME	KY1
SR 7200	27.3
VESPER	24.0
GREENWICH	19.0
VENUS (EFD)	12.3
LEGENDARY	8.7
VILLA (IS-AC 1)	7.7
LSD VALUE	14.5
C.V. (%)	54.7

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 29A. COPPER SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	NJ1
PENNCROSS	7.7
PENNLINKS II	7.3
LS-44	5.7
MEMORIAL (A03-EDI)	5.7
007 (DSB)	5.3
COBRA 2 (IS-AP 9)	5.3
KINGPIN (9200)	5.3
PENN A-1	5.3
AUTHORITY (235050)	5.0
BENGAL	5.0
DECLARATION	5.0
SR 7200	5.0
13-M	4.7
ALPHA	4.7
CY-2	4.7
T-1	4.7
VENUS (EFD)	4.7
INDEPENDENCE	4.3
VESPER	4.3
MACKENZIE (SRX 1GPD)	4.0
BENCHMARK DSR	3.7
SHARK (23R)	3.7
TYEE (SRX 1GD)	3.7
LEGENDARY	3.0
GREENWICH	2.7
VILLA (IS-AC 1)	2.7
LSD VALUE	1.7
C.V. (%)	21.8

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 29B. COPPER SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	NJ1
PENNCROSS	7.7
PENNLINKS II	7.3
LS-44	5.7
MEMORIAL (A03-EDI)	5.7
007 (DSB)	5.3
COBRA 2 (IS-AP 9)	5.3
KINGPIN (9200)	5.3
PENN A-1	5.3
AUTHORITY (235050)	5.0
BENGAL	5.0
DECLARATION	5.0
13-M	4.7
ALPHA	4.7
CY-2	4.7
T-1	4.7
INDEPENDENCE	4.3
MACKENZIE (SRX 1GPD)	4.0
BENCHMARK DSR	3.7
SHARK (23R)	3.7
TYEE (SRX 1GD)	3.7
LSD VALUE	1.7
C.V. (%)	21.5

TABLE 29C. COPPER SPOT RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	NJ1
SR 7200	5.0
VENUS (EFD)	4.7
VESPER	4.3
LEGENDARY	3.0
GREENWICH	2.7
VILLA (IS-AC 1)	2.7
LSD VALUE	1.4
C.V. (%)	22.8

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 30A. SNOW MOLD RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	UT1
GREENWICH	9.0
LEGENDARY	9.0
SR 7200	9.0
VENUS (EFD)	9.0
VESPER	9.0
VILLA (IS-AC 1)	9.0
BENGAL	8.0
BENCHMARK DSR	7.7
DECLARATION	7.7
PENNLINKS II	7.7
13-M	7.3
MEMORIAL (A03-EDI)	7.0
PENNCROSS	7.0
007 (DSB)	6.7
ALPHA	6.7
LS-44	6.7
T-1	6.7
SHARK (23R)	6.3
AUTHORITY (235050)	6.0
KINGPIN (9200)	5.7
MACKENZIE (SRX 1GPD)	5.7
TYEE (SRX 1GD)	5.7
COBRA 2 (IS-AP 9)	5.3
CY-2	5.0
INDEPENDENCE	5.0
PENN A-1	4.7
LSD VALUE	1.9
C.V. (%)	16.7

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 30B. SNOW MOLD RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	UT1
BENGAL	8.0
BENCHMARK DSR	7.7
DECLARATION	7.7
PENNLINKS II	7.7
13-M	7.3
MEMORIAL (A03-EDI)	7.0
PENNCROSS	7.0
007 (DSB)	6.7
ALPHA	6.7
LS-44	6.7
T-1	6.7
SHARK (23R)	6.3
AUTHORITY (235050)	6.0
KINGPIN (9200)	5.7
MACKENZIE (SRX 1GPD)	5.7
TYEE (SRX 1GD)	5.7
COBRA 2 (IS-AP 9)	5.3
CY-2	5.0
INDEPENDENCE	5.0
PENN A-1	4.7
LSD VALUE	2.1
C.V. (%)	20.8

TABLE 30C. SNOW MOLD RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN 1/
2007 DATA

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

NAME	UT1
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.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR BENTGRASS CULTIVARS
 GROWN ON A GREEN */
 2007 DATA

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

NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/
007 (DSB)	6.4	38.1
13-M	6.2	14.3
ALPHA	6.0	9.5
AUTHORITY (235050)	6.3	38.1
BENCHMARK DSR	6.1	14.3
BENGAL	5.9	14.3
COBRA 2 (IS-AP 9)	6.2	33.3
CY-2	6.5	57.1
DECLARATION	6.4	47.6
GREENWICH	4.9	4.8
INDEPENDENCE	6.2	14.3
KINGPIN (9200)	6.1	19.0
LEGENDARY	4.8	4.8
LS-44	6.2	23.8
MACKENZIE (SRX 1GPD)	6.3	52.4
MEMORIAL (A03-EDI)	6.3	38.1
PENN A-1	6.1	14.3
PENNCROSS	5.0	9.5
PENNLINKS II	5.4	14.3
SHARK (23R)	6.4	52.4
SR 7200	4.6	4.8
T-1	6.0	19.0
TYEE (SRX 1GD)	6.3	52.4
VENUS (EFD)	5.0	9.5
VESPER	4.6	0.0
VILLA (IS-AC 1)	4.9	9.5
LSD VALUE	0.2	
C.V. (%)	8.5	

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

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

1/ MEAN - AN AVERAGE OF ALL THE TURFGRASS QUALITY RATINGS FROM ALL LOCATIONS.

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