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2003 NATIONAL BENTGRASS TEST  
(Greens)

LOCATIONS SUBMITTING DATA FOR 2004-07

<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
Maine	Orono	ME1
Massachusetts	Amherst	MA1
Michigan	East Lansing	MI1
Minnesota	St. Paul	MN1
Nebraska	Mead	NE1
New Jersey	North Brunswick	NJ1
New Mexico	Las Cruces	NM1
New York	Ithaca	NY1
New York	Farmingdale (Reduced Fungicides)	NY2
North Carolina	Raleigh	NC1
Oklahoma	Stillwater	OK1
Pennsylvania	University Park	PA1
Quebec	Quebec City	QE1
South Dakota	Brookings	SD1
Texas	Dallas	TX1
Texas	College Station	TX2
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Washington	Puyallup (Low Maintenance)	WA3
Wisconsin	Madison	WI1

2003 NATIONAL BENTGRASS TEST  
(Putting Green)

Entries and Sponsors

Entry No.	Name	Species	Sponsor
* 1	LS-44	creeping	Links Seed, LLC
* 2	Penn A-1	creeping	Standard Entry
* 3	Benchmark DSR	creeping	Turf Merchants, Inc.
* 4	Penncross	creeping	Standard Entry
* 5	CY-2	creeping	Snow Brand Seed Co. & Chiba-Prefecture Agr. Exp. Station
* 6	Alpha	creeping	Jacklin Seed by Simplot
* 7	T-1	creeping	Jacklin Seed by Simplot
* 8	SR 7200	velvet	Standard Entry
9	13-M	creeping	Pennington Seed
*10	Declaration	creeping	Lebanon Turf Products
*11	Independence	creeping	Lebanon Turf Products
*12	Legendary	velvet	Lebanon Turf Products
*13	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.

Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP

TABLE A. 2004-07 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	7.1-7.5	61-150	151-240	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
KS1	SAND	6.6-7.0	151-270	241-375	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
KY1	LOAMY SAND	6.1-6.5	0-60	151-240	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MA1	SAND	5.6-6.0	0-60	241-375	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
ME1	-	-	-	-	-	-	-	-
MI1	SANDY LOAM	7.1-7.5	61-150	151-240	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
MN1	SAND	7.6-8.5	0-60	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NC1	SAND	6.1-6.5	0-60	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NE1	SAND	7.6-8.5	0-60	0-150	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NJ1	SAND	6.1-6.5	0-60	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NM1	LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NY1	SANDY LOAM	6.1-6.5	151-270	241-375	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NY2	LOAMY SAND	4.6-5.5	0-60	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
OK1	SAND	7.1-7.5	61-150	0-150	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
PA1	SANDY LOAM	6.6-7.0	151-270	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
QE1	-	-	-	-	-	-	-	-
SD1	SILTY CLAY LOAM	7.6-8.5	0-60	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
TX2	SANDY CLAY LOAM	7.6-8.5	61-150	151-240	6.1-7.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
UT1	SAND	7.6-8.5	0-60	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
VA1	LOAMY SAND	5.6-6.0	0-60	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
WA3	SAND	5.6-6.0	0-60	151-240	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
WI1	SILT LOAM AND SILT	7.1-7.5	61-150	151-240	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS

TABLE B. LOCATIONS AND DATA COLLECTED IN 2004-07															
LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE
AR1		X	X	X	X	X	X	X	X	X			X		X
AZ1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IA1				X	X	X	X	X	X	X			X	X	X
IL1				X	X	X	X	X	X	X			X	X	
IN1			X	X	X	X	X	X	X	X	X		X	X	X
KS1				X	X	X	X	X	X	X					
KY1			X	X	X	X	X	X	X	X			X	X	X
MA1			X	X	X	X	X	X	X	X	X	X	X	X	
ME1					X	X	X	X	X	X			X		X
MI1				X	X	X	X	X	X	X	X		X	X	X
MN1				X	X	X	X	X	X	X			X	X	
NC1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
NE1				X	X	X	X	X	X	X	X		X	X	
NJ1				X	X	X	X	X	X	X	X		X	X	X
NM1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
NY1				X	X	X	X	X	X	X	X			X	X
NY2				X	X	X	X	X	X	X	X			X	X
OK1		X	X	X	X	X	X	X	X	X	X	X	X	X	X
PA1				X	X	X	X	X	X	X			X	X	
QE1					X	X	X	X	X	X			X	X	X
SD1				X	X	X	X	X	X	X			X	X	
TX1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
TX2						X		X	X			X			X
UT1				X	X	X	X	X	X	X			X	X	
VA1		X	X	X	X	X	X	X	X	X	X	X	X	X	
WA3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
WI1					X	X	X	X	X	X			X	X	

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2004-07

LOCATION	WEAR TOLERANCE	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	DROUGHT TOLERANCE WILTING	MICRODO-CHIUM PATCH	LEAF SPOT	DOLLAR SPOT	RED THREAD	BROWN PATCH WARM TEMP.
AR1		X	X		X				X						X
AZ1		X	X	X	X	X	X	X	X						
IA1															
IL1				X											
IN1				X	X								X		X
KS1													X		
KY1		X		X		X			X						
MA1	X	X		X				X							
ME1				X			X					X		X	X
MI1		X	X	X	X	X	X	X							
MN1				X	X								X		
NC1			X	X	X				X		X		X		
NE1			X	X	X										
NJ1					X								X		X
NM1				X											
NY1		X													
NY2		X													
OK1				X		X	X	X	X						
PA1		X	X	X									X		X
QE1		X	X	X	X										
SD1				X			X								
TX1			X	X	X					X			X		
TX2					X				X						
UT1				X			X								
VA1			X	X	X			X	X				X		
WA3		X		X										X	X
WI1			X	X		X							X		

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2004-07

LOCATION	ANTHRACNOSE RATINGS	FAIRY RING	PINK SNOW MOLD	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	POA ANNUA	PERCENT ESTABLISHMENT	CORE AERIFICATION RECOVERY	SCALPING RATINGS	CANOPY PUFFINESS
AR1									X	X		
AZ1				X	X	X	X					
IA1			X						X			
IL1									X			
IN1						X	X				X	X
KS1												
KY1												
MA1	X											
ME1									X			
MI1												
MN1		X										
NC1												
NE1												
NJ1	X								X			
NM1												
NY1												
NY2												
OK1									X			
PA1								X				
QE1												
SD1									X			
TX1				X	X	X	X					
TX2												
UT1						X						
VA1			X		X	X		X	X			
WA3												
WI1								X				



TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2004-07

LOCATION	COPPER SPOT	SNOW MOLD	SOD WEBWORM DAMAGE	DOLLAR SPOT RATINGS							BROWN PATCH				PYTHIUM		PERCENT ESTABLISHMENT			WEEDS		WEAR TOLERANCE		DRY SPOT	BASIDIO- MYCETES DAMAGE												
				MAY	JUN	JUL	AUG	SEP	OCT	NOV	JUN	JUL	AUG	SEP	NOV	DEC	NOV	DEC	JAN	2003	2003	2004	JUN			SEP	SPR	FALL									
AR1					X			X																													
AZ1																																					
IA1																																					
IL1																																					
IN1					X	X	X	X																													
KS1																																					
KY1					X	X	X	X	X	X																											
MA1																																					
ME1														X	X									X	X												
MI1																																					
MN1							X	X																													
NC1					X	X	X	X	X					X	X	X	X	X	X																		
NE1																																					
NJ1	X																																				
NM1																																					
NY1																																					
NY2																																					
OK1																																					
PA1																																					
QE1																																					
SD1																																					
TX1																																					
TX2																																					
UT1		X																																			
VA1			X		X	X	X	X	X	X			X	X																							
WA3																																			X		
WI1																																					X

TABLE 1A. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A SAND GREEN AT ELEVEN LOCATIONS IN THE U.S. AND CANADA 1/ 2004-07 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	7.1	7.1	5.5	6.2	6.7	6.7	6.5	6.4	6.4	6.1	6.0	6.4
* 007 (DSB)	7.3	7.0	5.1	6.4	6.6	6.1	5.9	5.7	6.4	6.2	6.7	6.3
* TYEE (SRX 1GD)	7.2	6.5	4.9	5.6	6.5	6.2	7.1	6.4	6.0	6.3	6.5	6.3
* DECLARATION	6.9	6.9	5.9	6.0	6.4	6.3	6.0	6.0	6.1	6.3	6.0	6.3
* SHARK (23R)	7.2	6.6	5.3	5.8	6.6	6.1	6.7	6.2	5.8	6.0	6.6	6.3
* AUTHORITY (235050)	7.0	6.8	5.1	6.1	6.3	6.3	6.1	6.3	6.3	6.0	6.3	6.2
* PENN A-1	7.0	6.8	4.6	6.1	6.8	6.5	5.9	6.3	6.4	5.9	6.2	6.2
* INDEPENDENCE	6.7	7.3	4.9	5.7	6.4	6.7	6.5	5.7	6.2	5.8	6.4	6.2
* MEMORIAL (A03-EDI)	6.6	6.8	6.0	6.2	6.7	6.7	4.8	5.3	6.2	6.4	6.2	6.2
* LS-44	6.8	7.2	5.1	6.2	6.7	6.7	5.0	5.7	6.4	5.8	6.3	6.2
* MACKENZIE (SRX 1GPD)	6.8	6.3	5.3	5.5	6.4	6.0	6.4	6.1	5.9	6.1	6.1	6.1
* T-1	6.8	7.3	4.7	6.3	6.4	6.7	5.2	4.9	6.6	6.0	6.2	6.1
* COBRA 2 (IS-AP 9)	6.6	6.7	5.3	6.5	6.8	6.3	4.6	5.2	6.2	6.0	6.5	6.1
* BENCHMARK DSR	6.7	6.4	5.0	6.3	6.6	6.9	4.5	5.4	6.1	5.9	6.2	6.0
* BENGAL	6.3	7.2	5.1	5.6	6.4	6.7	5.1	5.6	5.8	6.0	6.2	6.0
* ALPHA	6.6	7.1	5.3	5.8	6.4	7.1	4.4	5.4	6.0	5.6	6.1	6.0
13-M	6.6	6.8	4.9	5.8	6.3	6.8	4.7	5.3	5.8	6.2	6.1	5.9
* KINGPIN (9200)	6.6	6.2	4.9	6.2	6.3	6.9	4.3	5.5	6.1	6.1	6.2	5.9
* PENNLINKS II	5.7	6.4	4.9	5.5	5.6	6.7	3.4	5.0	6.4	5.7	5.5	5.5
* VILLA (IS-AC 1)	6.3	6.3	3.9	4.4	5.3	5.4	7.2	3.5	6.6	5.2	2.7	5.2
* LEGENDARY	5.4	6.4	4.1	4.4	5.2	4.9	7.2	3.7	6.5	5.3	2.7	5.1
* VENUS (EFD)	5.6	5.9	4.3	4.6	5.7	5.5	6.6	3.6	6.2	5.2	2.6	5.1
* GREENWICH	5.4	6.0	4.3	4.6	5.6	4.7	6.5	3.8	6.1	5.3	3.1	5.0
* PENNCROSS	5.0	6.5	4.7	4.2	5.0	6.7	2.3	4.3	6.4	5.1	4.8	5.0
* VESPER	5.3	6.0	4.1	4.7	5.3	4.5	6.3	3.7	6.3	5.2	2.6	4.9
* SR 7200	4.8	6.1	3.9	4.1	5.4	5.6	5.9	3.3	6.7	5.4	2.5	4.9
LSD VALUE	0.7	0.9	1.2	0.8	0.8	0.8	0.9	0.8	1.3	0.6	0.7	0.3
C.V. (%)	7.1	8.1	14.8	8.9	8.7	8.7	10.5	9.8	13.0	6.0	8.6	9.9

\* 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  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 A SAND GREEN AT ELEVEN LOCATIONS IN THE U.S. AND CANADA 1/  
 2004-07 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/												
NAME	AR1	AZ1	KS1	MN1	NC1	NE1	NJ1	OK1	QE1	TX1	UT1	MEAN
CY-2	7.1	7.1	5.5	6.2	6.7	6.7	6.5	6.4	6.4	6.1	6.0	6.4
007 (DSB)	7.3	7.0	5.1	6.4	6.6	6.1	5.9	5.7	6.4	6.2	6.7	6.3
TYEE (SRX 1GD)	7.2	6.5	4.9	5.6	6.5	6.2	7.1	6.4	6.0	6.3	6.5	6.3
DECLARATION	6.9	6.9	5.9	6.0	6.4	6.3	6.0	6.0	6.1	6.3	6.0	6.3
SHARK (23R)	7.2	6.6	5.3	5.8	6.6	6.1	6.7	6.2	5.8	6.0	6.6	6.3
AUTHORITY (235050)	7.0	6.8	5.1	6.1	6.3	6.3	6.1	6.3	6.3	6.0	6.3	6.2
PENN A-1	7.0	6.8	4.6	6.1	6.8	6.5	5.9	6.3	6.4	5.9	6.2	6.2
INDEPENDENCE	6.7	7.3	4.9	5.7	6.4	6.7	6.5	5.7	6.2	5.8	6.4	6.2
MEMORIAL (A03-EDI)	6.6	6.8	6.0	6.2	6.7	6.7	4.8	5.3	6.2	6.4	6.2	6.2
LS-44	6.8	7.2	5.1	6.2	6.7	6.7	5.0	5.7	6.4	5.8	6.3	6.2
MACKENZIE (SRX 1GPD)	6.8	6.3	5.3	5.5	6.4	6.0	6.4	6.1	5.9	6.1	6.1	6.1
T-1	6.8	7.3	4.7	6.3	6.4	6.7	5.2	4.9	6.6	6.0	6.2	6.1
COBRA 2 (IS-AP 9)	6.6	6.7	5.3	6.5	6.8	6.3	4.6	5.2	6.2	6.0	6.5	6.1
BENCHMARK DSR	6.7	6.4	5.0	6.3	6.6	6.9	4.5	5.4	6.1	5.9	6.2	6.0
BENGAL	6.3	7.2	5.1	5.6	6.4	6.7	5.1	5.6	5.8	6.0	6.2	6.0
ALPHA	6.6	7.1	5.3	5.8	6.4	7.1	4.4	5.4	6.0	5.6	6.1	6.0
13-M	6.6	6.8	4.9	5.8	6.3	6.8	4.7	5.3	5.8	6.2	6.1	5.9
KINGPIN (9200)	6.6	6.2	4.9	6.2	6.3	6.9	4.3	5.5	6.1	6.1	6.2	5.9
PENNLINKS II	5.7	6.4	4.9	5.5	5.6	6.7	3.4	5.0	6.4	5.7	5.5	5.5
PENNCROSS	5.0	6.5	4.7	4.2	5.0	6.7	2.3	4.3	6.4	5.1	4.8	5.0
LSD VALUE	0.6	0.9	1.3	0.9	0.8	0.8	1.0	0.8	1.3	0.5	0.8	0.3
C.V. (%)	6.0	8.3	15.2	9.1	8.4	7.2	11.7	8.8	13.1	5.7	7.7	9.6

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/  
 2004-07 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/												
NAME	AR1	AZ1	KS1	MN1	NC1	NE1	NJ1	OK1	QE1	TX1	UT1	MEAN
VILLA (IS-AC 1)	6.3	6.3	3.9	4.4	5.3	5.4	7.2	3.5	6.6	5.2	2.7	5.2
LEGENDARY	5.4	6.4	4.1	4.4	5.2	4.9	7.2	3.7	6.5	5.3	2.7	5.1
VENUS (EFD)	5.6	5.9	4.3	4.6	5.7	5.5	6.6	3.6	6.2	5.2	2.6	5.1
GREENWICH	5.4	6.0	4.3	4.6	5.6	4.7	6.5	3.8	6.1	5.3	3.1	5.0
VESPER	5.3	6.0	4.1	4.7	5.3	4.5	6.3	3.7	6.3	5.2	2.6	4.9
SR 7200	4.8	6.1	3.9	4.1	5.4	5.6	5.9	3.3	6.7	5.4	2.5	4.9
LSD VALUE	1.0	0.7	0.8	0.4	0.8	1.0	0.7	0.9	1.2	0.6	0.6	0.3
C.V. (%)	10.9	6.8	12.6	7.3	9.0	18.1	6.9	13.6	12.4	7.1	12.7	10.9

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

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

TABLE 2A. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON A SOIL GREEN AT THIRTEEN LOCATIONS IN THE U.S. AND CANADA 1/ 2004-07 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/													MEAN
	IA1	IL1	IN1	KY1	ME1	MI1	NM1	NY1	PA1	SD1	TX2	VA1	WI1	
DECLARATION	6.7	6.4	7.7	6.6	6.5	6.6	4.8	7.0	7.4	5.4	5.9	6.0	7.5	6.6
AUTHORITY (235050)	7.1	6.0	7.6	5.8	6.6	6.6	5.1	7.0	7.8	5.8	6.0	5.9	6.7	6.5
SHARK (23R)	6.9	6.4	7.5	5.3	6.6	6.4	5.1	6.9	7.8	5.8	6.3	5.7	6.9	6.5
007 (DSB)	7.1	6.3	7.6	5.8	6.4	6.2	4.8	6.8	7.6	5.4	6.1	5.8	6.9	6.5
MACKENZIE (SRX 1GPD)	6.6	6.6	7.6	5.6	6.4	6.7	4.9	6.7	7.7	6.1	5.8	6.0	6.2	6.5
CY-2	6.9	6.2	7.5	6.2	6.4	5.6	4.7	6.6	7.0	6.2	6.2	6.3	7.1	6.4
TYEE (SRX 1GD)	6.6	6.7	7.4	5.2	6.5	6.3	4.1	6.8	7.9	5.8	6.6	5.9	6.7	6.4
COBRA 2 (IS-AP 9)	7.3	6.5	7.5	6.3	6.7	5.7	4.8	6.6	6.8	6.3	6.1	5.7	6.4	6.4
MEMORIAL (A03-EDI)	6.3	5.7	7.5	7.0	6.7	5.7	5.1	6.8	6.5	6.6	5.8	6.3	6.8	6.4
13-M	6.8	5.7	7.2	6.4	6.4	5.9	4.9	6.9	6.4	6.4	5.9	6.1	6.9	6.4
KINGPIN (9200)	6.6	6.1	7.6	6.3	6.6	5.9	4.9	6.5	6.7	6.5	6.0	5.9	6.2	6.3
LS-44	6.9	6.0	7.2	5.6	6.3	5.6	5.4	7.1	6.3	6.4	5.8	6.0	6.2	6.3
PENN A-1	6.8	5.3	7.6	5.8	6.5	5.6	4.6	6.7	7.2	5.8	5.9	5.7	6.5	6.2
T-1	7.0	6.3	7.6	5.6	6.7	5.8	5.0	6.8	6.7	5.6	6.1	5.5	5.7	6.2
BENCHMARK DSR	6.7	5.4	7.7	6.5	6.6	5.8	5.3	6.9	6.7	5.9	5.5	5.4	5.7	6.2
INDEPENDENCE	6.7	6.2	7.2	5.2	6.7	6.2	5.0	6.9	7.0	5.8	6.3	5.3	5.9	6.2
ALPHA	6.8	5.8	7.4	5.6	6.5	5.2	5.0	6.9	6.6	6.0	6.1	5.6	5.9	6.1
BENGAL	6.6	6.0	7.4	5.0	6.6	5.9	5.1	6.7	6.4	6.2	6.1	5.4	5.7	6.1
PENNLINKS II	6.3	4.3	6.5	6.3	6.4	4.6	4.7	6.9	5.1	6.6	5.3	5.1	5.9	5.7
VILLA (IS-AC 1)	6.1	4.6	5.2	4.4	7.9	4.9	3.9	6.4	4.6	5.9	3.3	5.1	6.7	5.4
LEGENDARY	6.2	4.3	4.8	4.3	8.0	4.9	4.4	6.5	4.6	5.8	3.7	5.1	6.5	5.4
GREENWICH	6.0	4.3	5.1	4.6	8.0	4.9	4.2	6.8	4.2	5.7	3.3	5.1	6.2	5.3
VENUS (EFD)	5.6	4.5	4.9	4.7	7.9	4.6	4.0	6.8	4.4	5.9	3.0	5.0	6.5	5.3
PENNCROSS	6.2	3.9	6.1	4.4	5.9	4.8	5.6	6.8	4.4	6.4	4.4	5.1	4.7	5.2
VESPER	5.4	4.3	4.9	4.6	7.9	4.4	4.0	6.4	3.8	5.6	3.0	4.9	5.5	5.0
SR 7200	6.0	3.5	4.7	4.8	7.7	4.8	3.6	6.3	2.9	5.5	3.3	4.9	4.8	4.9
LSD VALUE	0.8	0.7	0.7	0.7	0.7	1.0	0.9	0.7	0.6	0.7	0.6	0.6	0.9	0.2
C.V. (%)	7.8	8.3	6.8	7.7	6.5	10.8	12.3	6.5	5.8	7.8	7.5	7.1	8.9	8.0

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

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

Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 TABLE 2B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON  
 A SOIL GREEN AT THIRTEEN LOCATIONS IN THE U.S. AND CANADA 1/  
 2004-07 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/														
NAME	IA1	IL1	IN1	KY1	ME1	MI1	NM1	NY1	PA1	SD1	TX2	VA1	WI1	MEAN
DECLARATION	6.7	6.4	7.7	6.6	6.5	6.6	4.8	7.0	7.4	5.4	5.9	6.0	7.5	6.6
AUTHORITY (235050)	7.1	6.0	7.6	5.8	6.6	6.6	5.1	7.0	7.8	5.8	6.0	5.9	6.7	6.5
SHARK (23R)	6.9	6.4	7.5	5.3	6.6	6.4	5.1	6.9	7.8	5.8	6.3	5.7	6.9	6.5
007 (DSB)	7.1	6.3	7.6	5.8	6.4	6.2	4.8	6.8	7.6	5.4	6.1	5.8	6.9	6.5
MACKENZIE (SRX 1GPD)	6.6	6.6	7.6	5.6	6.4	6.7	4.9	6.7	7.7	6.1	5.8	6.0	6.2	6.5
CY-2	6.9	6.2	7.5	6.2	6.4	5.6	4.7	6.6	7.0	6.2	6.2	6.3	7.1	6.4
TYEE (SRX 1GD)	6.6	6.7	7.4	5.2	6.5	6.3	4.1	6.8	7.9	5.8	6.6	5.9	6.7	6.4
COBRA 2 (IS-AP 9)	7.3	6.5	7.5	6.3	6.7	5.7	4.8	6.6	6.8	6.3	6.1	5.7	6.4	6.4
MEMORIAL (A03-EDI)	6.3	5.7	7.5	7.0	6.7	5.7	5.1	6.8	6.5	6.6	5.8	6.3	6.8	6.4
13-M	6.8	5.7	7.2	6.4	6.4	5.9	4.9	6.9	6.4	6.4	5.9	6.1	6.9	6.4
KINGPIN (9200)	6.6	6.1	7.6	6.3	6.6	5.9	4.9	6.5	6.7	6.5	6.0	5.9	6.2	6.3
LS-44	6.9	6.0	7.2	5.6	6.3	5.6	5.4	7.1	6.3	6.4	5.8	6.0	6.2	6.3
PENN A-1	6.8	5.3	7.6	5.8	6.5	5.6	4.6	6.7	7.2	5.8	5.9	5.7	6.5	6.2
T-1	7.0	6.3	7.6	5.6	6.7	5.8	5.0	6.8	6.7	5.6	6.1	5.5	5.7	6.2
BENCHMARK DSR	6.7	5.4	7.7	6.5	6.6	5.8	5.3	6.9	6.7	5.9	5.5	5.4	5.7	6.2
INDEPENDENCE	6.7	6.2	7.2	5.2	6.7	6.2	5.0	6.9	7.0	5.8	6.3	5.3	5.9	6.2
ALPHA	6.8	5.8	7.4	5.6	6.5	5.2	5.0	6.9	6.6	6.0	6.1	5.6	5.9	6.1
BENGAL	6.6	6.0	7.4	5.0	6.6	5.9	5.1	6.7	6.4	6.2	6.1	5.4	5.7	6.1
PENNLINKS II	6.3	4.3	6.5	6.3	6.4	4.6	4.7	6.9	5.1	6.6	5.3	5.1	5.9	5.7
PENNCROSS	6.2	3.9	6.1	4.4	5.9	4.8	5.6	6.8	4.4	6.4	4.4	5.1	4.7	5.2
LSD VALUE	0.8	0.8	0.6	0.7	0.8	1.0	0.8	0.7	0.5	0.7	0.6	0.7	0.9	0.2
C.V. (%)	7.7	8.0	6.1	7.5	7.5	10.6	10.3	6.6	4.7	7.3	6.3	7.2	9.1	7.7

TABLE 2C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON  
 A SOIL GREEN AT THIRTEEN LOCATIONS IN THE U.S. AND CANADA 1/  
 2004-07 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/														
NAME	IA1	IL1	IN1	KY1	ME1	MI1	NM1	NY1	PA1	SD1	TX2	VA1	WI1	MEAN
VILLA (IS-AC 1)	6.1	4.6	5.2	4.4	7.9	4.9	3.9	6.4	4.6	5.9	3.3	5.1	6.7	5.4
LEGENDARY	6.2	4.3	4.8	4.3	8.0	4.9	4.4	6.5	4.6	5.8	3.7	5.1	6.5	5.4
GREENWICH	6.0	4.3	5.1	4.6	8.0	4.9	4.2	6.8	4.2	5.7	3.3	5.1	6.2	5.3
VENUS (EFD)	5.6	4.5	4.9	4.7	7.9	4.6	4.0	6.8	4.4	5.9	3.0	5.0	6.5	5.3
VESPER	5.4	4.3	4.9	4.6	7.9	4.4	4.0	6.4	3.8	5.6	3.0	4.9	5.5	5.0
SR 7200	6.0	3.5	4.7	4.8	7.7	4.8	3.6	6.3	2.9	5.5	3.3	4.9	4.8	4.9
LSD VALUE	0.7	0.6	0.7	0.6	0.4	0.8	1.3	0.6	0.7	0.8	0.8	0.5	0.8	0.2
C.V. (%)	7.9	9.2	11.3	8.0	3.1	11.3	19.2	6.1	13.3	8.9	14.4	6.7	8.2	9.3

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 3A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS  
 GROWN ON A GREEN AT ELEVEN LOCATIONS  
 USING A 1/8" OR LOWER MOWING HEIGHT 1/  
 2004-07 DATA

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

NAME	AR1	MI1	NC1	NE1	NJ1	NY1	OK1	PA1	QE1	VA1	WI1	MEAN
TYEE (SRX 1GD)	7.2	6.3	6.5	6.2	7.1	6.8	6.4	7.9	6.0	5.9	6.7	6.6
CY-2	7.1	5.6	6.7	6.7	6.5	6.6	6.4	7.0	6.4	6.3	7.1	6.6
AUTHORITY (235050)	7.0	6.6	6.3	6.3	6.1	7.0	6.3	7.8	6.3	5.9	6.7	6.6
SHARK (23R)	7.2	6.4	6.6	6.1	6.7	6.9	6.2	7.8	5.8	5.7	6.9	6.6
DECLARATION	6.9	6.6	6.4	6.3	6.0	7.0	6.0	7.4	6.1	6.0	7.5	6.6
007 (DSB)	7.3	6.2	6.6	6.1	5.9	6.8	5.7	7.6	6.4	5.8	6.9	6.5
MACKENZIE (SRX 1GPD)	6.8	6.7	6.4	6.0	6.4	6.7	6.1	7.7	5.9	6.0	6.2	6.5
PENN A-1	7.0	5.6	6.8	6.5	5.9	6.7	6.3	7.2	6.4	5.7	6.5	6.4
INDEPENDENCE	6.7	6.2	6.4	6.7	6.5	6.9	5.7	7.0	6.2	5.3	5.9	6.3
LS-44	6.8	5.6	6.7	6.7	5.0	7.1	5.7	6.3	6.4	6.0	6.2	6.2
MEMORIAL (A03-EDI)	6.6	5.7	6.7	6.7	4.8	6.8	5.3	6.5	6.2	6.3	6.8	6.2
13-M	6.6	5.9	6.3	6.8	4.7	6.9	5.3	6.4	5.8	6.1	6.9	6.2
COBRA 2 (IS-AP 9)	6.6	5.7	6.8	6.3	4.6	6.6	5.2	6.8	6.2	5.7	6.4	6.1
T-1	6.8	5.8	6.4	6.7	5.2	6.8	4.9	6.7	6.6	5.5	5.7	6.1
KINGPIN (9200)	6.6	5.9	6.3	6.9	4.3	6.5	5.5	6.7	6.1	5.9	6.2	6.1
BENCHMARK DSR	6.7	5.8	6.6	6.9	4.5	6.9	5.4	6.7	6.1	5.4	5.7	6.1
ALPHA	6.6	5.2	6.4	7.1	4.4	6.9	5.4	6.6	6.0	5.6	5.9	6.0
BENGAL	6.3	5.9	6.4	6.7	5.1	6.7	5.6	6.4	5.8	5.4	5.7	6.0
VILLA (IS-AC 1)	6.3	4.9	5.3	5.4	7.2	6.4	3.5	4.6	6.6	5.1	6.7	5.6
LEGENDARY	5.4	4.9	5.2	4.9	7.2	6.5	3.7	4.6	6.5	5.1	6.5	5.5
PENNLINKS II	5.7	4.6	5.6	6.7	3.4	6.9	5.0	5.1	6.4	5.1	5.9	5.5
VENUS (EFD)	5.6	4.6	5.7	5.5	6.6	6.8	3.6	4.4	6.2	5.0	6.5	5.5
GREENWICH	5.4	4.9	5.6	4.7	6.5	6.8	3.8	4.2	6.1	5.1	6.2	5.4
VESPER	5.3	4.4	5.3	4.5	6.3	6.4	3.7	3.8	6.3	4.9	5.5	5.1
PENNCROSS	5.0	4.8	5.0	6.7	2.3	6.8	4.3	4.4	6.4	5.1	4.7	5.0
SR 7200	4.8	4.8	5.4	5.6	5.9	6.3	3.3	2.9	6.7	4.9	4.8	5.0
LSD VALUE	0.7	1.0	0.8	0.8	0.9	0.7	0.8	0.6	1.3	0.6	0.9	0.3
C.V. (%)	7.1	10.8	8.7	8.7	10.5	6.5	9.8	5.8	13.0	7.1	8.9	9.2

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

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

TABLE 3B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN AT ELEVEN LOCATIONS  
 USING A 1/8" OR LOWER MOWING HEIGHT 1/  
 2004-07 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
	AR1	MI1	NC1	NE1	NJ1	NY1	OK1	PA1	QE1	VA1	WI1	MEAN
TYEE (SRX 1GD)	7.2	6.3	6.5	6.2	7.1	6.8	6.4	7.9	6.0	5.9	6.7	6.6
CY-2	7.1	5.6	6.7	6.7	6.5	6.6	6.4	7.0	6.4	6.3	7.1	6.6
AUTHORITY (235050)	7.0	6.6	6.3	6.3	6.1	7.0	6.3	7.8	6.3	5.9	6.7	6.6
SHARK (23R)	7.2	6.4	6.6	6.1	6.7	6.9	6.2	7.8	5.8	5.7	6.9	6.6
DECLARATION	6.9	6.6	6.4	6.3	6.0	7.0	6.0	7.4	6.1	6.0	7.5	6.6
007 (DSB)	7.3	6.2	6.6	6.1	5.9	6.8	5.7	7.6	6.4	5.8	6.9	6.5
MACKENZIE (SRX 1GPD)	6.8	6.7	6.4	6.0	6.4	6.7	6.1	7.7	5.9	6.0	6.2	6.5
PENN A-1	7.0	5.6	6.8	6.5	5.9	6.7	6.3	7.2	6.4	5.7	6.5	6.4
INDEPENDENCE	6.7	6.2	6.4	6.7	6.5	6.9	5.7	7.0	6.2	5.3	5.9	6.3
LS-44	6.8	5.6	6.7	6.7	5.0	7.1	5.7	6.3	6.4	6.0	6.2	6.2
MEMORIAL (A03-EDI)	6.6	5.7	6.7	6.7	4.8	6.8	5.3	6.5	6.2	6.3	6.8	6.2
13-M	6.6	5.9	6.3	6.8	4.7	6.9	5.3	6.4	5.8	6.1	6.9	6.2
COBRA 2 (IS-AP 9)	6.6	5.7	6.8	6.3	4.6	6.6	5.2	6.8	6.2	5.7	6.4	6.1
T-1	6.8	5.8	6.4	6.7	5.2	6.8	4.9	6.7	6.6	5.5	5.7	6.1
KINGPIN (9200)	6.6	5.9	6.3	6.9	4.3	6.5	5.5	6.7	6.1	5.9	6.2	6.1
BENCHMARK DSR	6.7	5.8	6.6	6.9	4.5	6.9	5.4	6.7	6.1	5.4	5.7	6.1
ALPHA	6.6	5.2	6.4	7.1	4.4	6.9	5.4	6.6	6.0	5.6	5.9	6.0
BENGAL	6.3	5.9	6.4	6.7	5.1	6.7	5.6	6.4	5.8	5.4	5.7	6.0
PENNLINKS II	5.7	4.6	5.6	6.7	3.4	6.9	5.0	5.1	6.4	5.1	5.9	5.5
PENNCROSS	5.0	4.8	5.0	6.7	2.3	6.8	4.3	4.4	6.4	5.1	4.7	5.0
LSD VALUE	0.6	1.0	0.8	0.8	1.0	0.7	0.8	0.5	1.3	0.7	0.9	0.3
C.V. (%)	6.0	10.6	8.4	7.2	11.7	6.6	8.8	4.7	13.1	7.2	9.1	8.8

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/  
 2004-07 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/											
	AR1	MI1	NC1	NE1	NJ1	NY1	OK1	PA1	QE1	VA1	WI1	MEAN
VILLA (IS-AC 1)	6.3	4.9	5.3	5.4	7.2	6.4	3.5	4.6	6.6	5.1	6.7	5.6
LEGENDARY	5.4	4.9	5.2	4.9	7.2	6.5	3.7	4.6	6.5	5.1	6.5	5.5
VENUS (EFD)	5.6	4.6	5.7	5.5	6.6	6.8	3.6	4.4	6.2	5.0	6.5	5.5
GREENWICH	5.4	4.9	5.6	4.7	6.5	6.8	3.8	4.2	6.1	5.1	6.2	5.4
VESPER	5.3	4.4	5.3	4.5	6.3	6.4	3.7	3.8	6.3	4.9	5.5	5.1
SR 7200	4.8	4.8	5.4	5.6	5.9	6.3	3.3	2.9	6.7	4.9	4.8	5.0
LSD VALUE	1.0	0.8	0.8	1.0	0.7	0.6	0.9	0.7	1.2	0.5	0.8	0.3
C.V. (%)	10.9	11.3	9.0	18.1	6.9	6.1	13.6	13.3	12.4	6.7	8.2	10.4

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

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

TABLE 4A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN  
GROWN ON A GREEN AT THIRTEEN LOCATIONS  
USING A 9/64" TO 5/32" MOWING HEIGHT 1/  
2004-07 DATA

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

NAME	AZ1	IA1	IL1	IN1	KS1	KY1	ME1	MN1	NM1	SD1	TX1	TX2	UT1	MEAN
COBRA 2 (IS-AP 9)	6.7	7.3	6.5	7.5	5.3	6.3	6.7	6.5	4.8	6.3	6.0	6.1	6.5	6.4
MEMORIAL (A03-EDI)	6.8	6.3	5.7	7.5	6.0	7.0	6.7	6.2	5.1	6.6	6.4	5.8	6.2	6.4
DECLARATION	6.9	6.7	6.4	7.7	5.9	6.6	6.5	6.0	4.8	5.4	6.3	5.9	6.0	6.3
007 (DSB)	7.0	7.1	6.3	7.6	5.1	5.8	6.4	6.4	4.8	5.4	6.2	6.1	6.7	6.3
CY-2	7.1	6.9	6.2	7.5	5.5	6.2	6.4	6.2	4.7	6.2	6.1	6.2	6.0	6.3
LS-44	7.2	6.9	6.0	7.2	5.1	5.6	6.3	6.2	5.4	6.4	5.8	5.8	6.3	6.2
AUTHORITY (235050)	6.8	7.1	6.0	7.6	5.1	5.8	6.6	6.1	5.1	5.8	6.0	6.0	6.3	6.2
T-1	7.3	7.0	6.3	7.6	4.7	5.6	6.7	6.3	5.0	5.6	6.0	6.1	6.2	6.2
SHARK (23R)	6.6	6.9	6.4	7.5	5.3	5.3	6.6	5.8	5.1	5.8	6.0	6.3	6.6	6.2
KINGPIN (9200)	6.2	6.6	6.1	7.6	4.9	6.3	6.6	6.2	4.9	6.5	6.1	6.0	6.2	6.2
13-M	6.8	6.8	5.7	7.2	4.9	6.4	6.4	5.8	4.9	6.4	6.2	5.9	6.1	6.2
BENCHMARK DSR	6.4	6.7	5.4	7.7	5.0	6.5	6.6	6.3	5.3	5.9	5.9	5.5	6.2	6.1
MACKENZIE (SRX 1GPD)	6.3	6.6	6.6	7.6	5.3	5.6	6.4	5.5	4.9	6.1	6.1	5.8	6.1	6.1
INDEPENDENCE	7.3	6.7	6.2	7.2	4.9	5.2	6.7	5.7	5.0	5.8	5.8	6.3	6.4	6.1
ALPHA	7.1	6.8	5.8	7.4	5.3	5.6	6.5	5.8	5.0	6.0	5.6	6.1	6.1	6.1
TYEE (SRX 1GD)	6.5	6.6	6.7	7.4	4.9	5.2	6.5	5.6	4.1	5.8	6.3	6.6	6.5	6.1
BENGAL	7.2	6.6	6.0	7.4	5.1	5.0	6.6	5.6	5.1	6.2	6.0	6.1	6.2	6.1
PENN A-1	6.8	6.8	5.3	7.6	4.6	5.8	6.5	6.1	4.6	5.8	5.9	5.9	6.2	6.0
PENNLINKS II	6.4	6.3	4.3	6.5	4.9	6.3	6.4	5.5	4.7	6.6	5.7	5.3	5.5	5.7
PENNCROSS	6.5	6.2	3.9	6.1	4.7	4.4	5.9	4.2	5.6	6.4	5.1	4.4	4.8	5.2
GREENWICH	6.0	6.0	4.3	5.1	4.3	4.6	8.0	4.6	4.2	5.7	5.3	3.3	3.1	4.9
LEGENDARY	6.4	6.2	4.3	4.8	4.1	4.3	8.0	4.4	4.4	5.8	5.3	3.7	2.7	4.9
VILLA (IS-AC 1)	6.3	6.1	4.6	5.2	3.9	4.4	7.9	4.4	3.9	5.9	5.2	3.3	2.7	4.9
VENUS (EFD)	5.9	5.6	4.5	4.9	4.3	4.7	7.9	4.6	4.0	5.9	5.2	3.0	2.6	4.8
VESPER	6.0	5.4	4.3	4.9	4.1	4.6	7.9	4.7	4.0	5.6	5.2	3.0	2.6	4.8
SR 7200	6.1	6.0	3.5	4.7	3.9	4.8	7.7	4.1	3.6	5.5	5.4	3.3	2.5	4.7
LSD VALUE	0.9	0.8	0.7	0.7	1.2	0.7	0.7	0.8	0.9	0.7	0.6	0.6	0.7	0.2
C.V. (%)	8.1	7.8	8.3	6.8	14.8	7.7	6.5	8.9	12.3	7.8	6.0	7.5	8.6	8.8

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 4B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN AT THIRTEEN LOCATIONS  
 USING A 9/64" TO 5/32" MOWING HEIGHT 1/  
 2004-07 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/														
NAME	AZ1	IA1	IL1	IN1	KS1	KY1	ME1	MN1	NM1	SD1	TX1	TX2	UT1	MEAN
COBRA 2 (IS-AP 9)	6.7	7.3	6.5	7.5	5.3	6.3	6.7	6.5	4.8	6.3	6.0	6.1	6.5	6.4
MEMORIAL (A03-EDI)	6.8	6.3	5.7	7.5	6.0	7.0	6.7	6.2	5.1	6.6	6.4	5.8	6.2	6.4
DECLARATION	6.9	6.7	6.4	7.7	5.9	6.6	6.5	6.0	4.8	5.4	6.3	5.9	6.0	6.3
007 (DSB)	7.0	7.1	6.3	7.6	5.1	5.8	6.4	6.4	4.8	5.4	6.2	6.1	6.7	6.3
CY-2	7.1	6.9	6.2	7.5	5.5	6.2	6.4	6.2	4.7	6.2	6.1	6.2	6.0	6.3
LS-44	7.2	6.9	6.0	7.2	5.1	5.6	6.3	6.2	5.4	6.4	5.8	5.8	6.3	6.2
AUTHORITY (235050)	6.8	7.1	6.0	7.6	5.1	5.8	6.6	6.1	5.1	5.8	6.0	6.0	6.3	6.2
T-1	7.3	7.0	6.3	7.6	4.7	5.6	6.7	6.3	5.0	5.6	6.0	6.1	6.2	6.2
SHARK (23R)	6.6	6.9	6.4	7.5	5.3	5.3	6.6	5.8	5.1	5.8	6.0	6.3	6.6	6.2
KINGPIN (9200)	6.2	6.6	6.1	7.6	4.9	6.3	6.6	6.2	4.9	6.5	6.1	6.0	6.2	6.2
13-M	6.8	6.8	5.7	7.2	4.9	6.4	6.4	5.8	4.9	6.4	6.2	5.9	6.1	6.2
BENCHMARK DSR	6.4	6.7	5.4	7.7	5.0	6.5	6.6	6.3	5.3	5.9	5.9	5.5	6.2	6.1
MACKENZIE (SRX 1GPD)	6.3	6.6	6.6	7.6	5.3	5.6	6.4	5.5	4.9	6.1	6.1	5.8	6.1	6.1
INDEPENDENCE	7.3	6.7	6.2	7.2	4.9	5.2	6.7	5.7	5.0	5.8	5.8	6.3	6.4	6.1
ALPHA	7.1	6.8	5.8	7.4	5.3	5.6	6.5	5.8	5.0	6.0	5.6	6.1	6.1	6.1
TYEE (SRX 1GD)	6.5	6.6	6.7	7.4	4.9	5.2	6.5	5.6	4.1	5.8	6.3	6.6	6.5	6.1
BENGAL	7.2	6.6	6.0	7.4	5.1	5.0	6.6	5.6	5.1	6.2	6.0	6.1	6.2	6.1
PENN A-1	6.8	6.8	5.3	7.6	4.6	5.8	6.5	6.1	4.6	5.8	5.9	5.9	6.2	6.0
PENNLINKS II	6.4	6.3	4.3	6.5	4.9	6.3	6.4	5.5	4.7	6.6	5.7	5.3	5.5	5.7
PENNCROSS	6.5	6.2	3.9	6.1	4.7	4.4	5.9	4.2	5.6	6.4	5.1	4.4	4.8	5.2
LSD VALUE	0.9	0.8	0.8	0.6	1.3	0.7	0.8	0.9	0.8	0.7	0.5	0.6	0.8	0.3
C.V. (%)	8.3	7.7	8.0	6.1	15.2	7.5	7.5	9.1	10.3	7.3	5.7	6.3	7.7	8.5

TABLE 4C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN  
 GROWN ON A GREEN AT THIRTEEN LOCATIONS  
 USING A 9/64" TO 5/32" MOWING HEIGHT 1/  
 2004-07 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/														
NAME	AZ1	IA1	IL1	IN1	KS1	KY1	ME1	MN1	NM1	SD1	TX1	TX2	UT1	MEAN
GREENWICH	6.0	6.0	4.3	5.1	4.3	4.6	8.0	4.6	4.2	5.7	5.3	3.3	3.1	4.9
LEGENDARY	6.4	6.2	4.3	4.8	4.1	4.3	8.0	4.4	4.4	5.8	5.3	3.7	2.7	4.9
VILLA (IS-AC 1)	6.3	6.1	4.6	5.2	3.9	4.4	7.9	4.4	3.9	5.9	5.2	3.3	2.7	4.9
VENUS (EFD)	5.9	5.6	4.5	4.9	4.3	4.7	7.9	4.6	4.0	5.9	5.2	3.0	2.6	4.8
VESPER	6.0	5.4	4.3	4.9	4.1	4.6	7.9	4.7	4.0	5.6	5.2	3.0	2.6	4.8
SR 7200	6.1	6.0	3.5	4.7	3.9	4.8	7.7	4.1	3.6	5.5	5.4	3.3	2.5	4.7
LSD VALUE	0.7	0.7	0.6	0.7	0.8	0.6	0.4	0.4	1.3	0.8	0.6	0.8	0.6	0.2
C.V. (%)	6.8	7.9	9.2	11.3	12.6	8.0	3.1	7.3	19.2	8.9	7.1	14.4	12.7	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 5A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN UNDER LOW MAINTENANCE AT PUYALLUP, WA 1/  
2004-07 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	SEEDLING VIGOR	SUMMER DENSITY	RED THREAD	BROWN PATCH WARM TEMP.	DRY SPOT	BASIDIO- MYCETES DAMAGE	QUALITY RATINGS												
									JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
VILLA (IS-AC 1)	8.0	5.4	7.0	8.8	7.0	8.7	8.7	7.3	5.8	5.1	6.1	6.9	6.8	6.7	7.3	6.9	7.1	6.9	6.8	6.2	6.6
LEGENDARY	7.8	5.7	7.0	8.8	7.0	9.0	8.7	7.3	5.0	4.9	5.8	6.7	6.8	6.8	6.8	6.8	7.0	6.6	6.9	6.0	6.4
GREENWICH	7.8	5.3	7.7	8.6	7.0	9.0	8.3	7.3	5.4	5.1	5.7	6.6	6.7	6.4	6.5	6.8	6.8	6.6	6.8	6.1	6.3
SHARK (23R)	6.7	4.9	6.3	7.3	8.0	8.3	8.3	7.3	5.1	5.3	6.2	6.3	6.8	6.4	6.7	6.7	6.9	6.7	6.3	5.8	6.3
VENUS (EFD)	7.8	5.8	7.0	8.4	7.3	9.0	9.0	7.7	5.4	5.1	6.0	6.4	6.4	6.3	6.4	6.8	6.9	6.5	6.8	6.3	6.3
007 (DSB)	6.8	5.5	6.7	7.1	8.7	8.7	7.3	8.3	5.6	5.4	5.8	6.1	6.6	6.5	6.5	6.3	6.5	6.5	6.2	5.7	6.2
AUTHORITY (235050)	6.4	5.1	6.7	7.3	8.0	9.0	8.0	7.7	5.3	5.1	5.9	6.1	6.6	6.4	6.6	6.5	6.6	6.6	6.3	5.4	6.2
TYEE (SRX 1GD)	6.7	4.8	5.3	7.8	8.3	7.7	6.7	6.0	5.6	5.3	6.0	5.8	6.7	6.7	6.4	6.5	6.8	6.7	6.3	5.9	6.2
INDEPENDENCE	6.8	5.0	6.0	7.0	8.0	7.7	8.0	8.3	5.1	5.4	5.8	6.3	6.7	6.3	6.3	6.7	6.7	6.6	5.9	5.7	6.1
VESPER	7.8	5.8	7.0	8.4	6.7	9.0	9.0	8.3	5.2	5.3	5.7	6.1	6.4	6.2	6.3	6.4	6.7	6.7	6.3	5.5	6.1
MACKENZIE (SRX 1GPD)	5.9	5.0	6.0	7.3	8.3	7.3	8.0	6.7	5.2	5.3	5.8	5.8	6.6	6.1	6.2	6.1	6.4	6.4	6.2	5.6	6.0
DECLARATION	6.6	5.3	7.0	6.8	8.7	8.7	8.0	8.7	5.1	5.1	5.8	5.7	6.4	6.0	5.9	5.9	6.2	5.8	5.7	5.4	5.8
PENN A-1	6.8	4.8	6.7	6.7	8.0	8.7	7.0	9.0	5.3	4.8	5.5	5.6	6.4	5.3	5.6	6.1	6.1	6.2	5.9	5.4	5.7
SR 7200	7.6	6.2	4.7	8.2	6.0	8.7	9.0	9.0	5.2	5.0	5.3	5.7	6.0	5.8	5.8	5.9	6.0	5.9	5.9	5.5	5.7
CY-2	5.6	5.0	6.7	6.2	8.0	7.7	8.0	8.7	5.3	5.1	5.3	5.8	5.8	5.6	5.8	5.9	6.2	5.4	5.7	5.5	5.6
T-1	7.5	5.1	7.0	6.6	7.7	8.7	8.7	8.0	4.7	5.0	5.4	5.3	5.9	5.7	5.5	5.7	5.9	5.5	5.7	5.1	5.5
ALPHA	6.9	5.0	6.3	6.2	8.0	9.0	8.7	8.7	4.6	4.9	5.2	5.8	5.9	5.6	5.7	5.9	5.9	5.6	5.1	4.7	5.4
BENCHMARK DSR	6.9	5.4	5.3	6.6	8.3	9.0	7.3	9.0	4.7	5.0	5.2	5.3	5.8	5.5	5.3	5.5	5.8	5.7	5.7	5.2	5.4
COBRA 2 (IS-AP 9)	6.8	4.3	5.7	6.9	7.7	8.7	8.0	9.0	4.6	4.4	5.3	5.3	5.8	5.5	5.6	5.6	5.8	5.3	5.2	4.7	5.3
LS-44	6.6	4.5	7.0	6.1	8.3	7.7	7.0	9.0	4.6	4.4	5.0	5.4	6.2	5.2	5.5	5.4	5.7	5.3	5.3	4.7	5.3
KINGPIN (9200)	6.6	5.3	5.3	6.3	8.0	7.3	7.3	9.0	4.8	5.0	5.1	5.0	5.3	5.5	5.4	5.3	5.5	5.4	5.3	4.8	5.2
13-M	6.1	5.0	6.7	6.0	8.7	8.3	6.3	8.7	4.7	4.8	5.3	5.3	5.5	5.3	4.8	5.2	5.3	5.6	5.1	4.6	5.1
BENGAL	6.8	5.2	6.3	6.1	8.0	8.7	8.0	9.0	4.7	5.0	5.1	5.0	5.3	5.3	5.3	5.3	5.4	5.1	5.1	4.7	5.1
MEMORIAL (A03-EDI)	6.3	4.6	5.3	5.7	9.0	8.7	6.7	9.0	4.7	4.6	4.8	4.8	5.4	4.9	5.0	5.0	5.1	5.0	5.1	4.8	4.9
PENNLINKS II	6.6	4.7	7.0	5.8	8.3	8.0	7.3	9.0	3.9	4.0	4.6	5.3	5.2	4.5	4.8	4.7	4.6	4.8	4.4	3.8	4.6
PENNCROSS	5.9	4.0	6.7	4.6	8.7	8.3	6.7	9.0	3.6	4.0	4.3	4.5	4.7	4.3	4.2	4.3	4.3	4.2	4.4	3.9	4.2
LSD VALUE	0.5	0.8	1.8	0.6	0.8	2.4	1.5	1.5	0.6	0.7	0.7	0.8	0.7	0.8	0.8	0.8	0.9	1.0	0.7	0.5	0.5
C.V. (%)	10.1	17.7	13.6	9.5	6.4	10.3	10.3	10.0	13.4	16.2	15.8	16.9	14.5	17.2	17.5	16.8	18.5	20.2	16.6	12.2	12.6

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

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

TABLE 5B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN UNDER LOW MAINTENANCE AT PUYALLUP, WA 1/

2004-07 DATA  
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	SEEDLING VIGOR	SUMMER DENSITY	RED THREAD	BROWN PATCH WARM TEMP.	DRY SPOT	BASIDIO- MYCETES DAMAGE	QUALITY RATINGS												
									JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
SHARK (23R)	6.7	4.9	6.3	7.3	8.0	8.3	8.3	7.3	5.1	5.3	6.2	6.3	6.8	6.4	6.7	6.7	6.9	6.7	6.3	5.8	6.3
007 (DSB)	6.8	5.5	6.7	7.1	8.7	8.7	7.3	8.3	5.6	5.4	5.8	6.1	6.6	6.5	6.5	6.3	6.5	6.5	6.2	5.7	6.2
AUTHORITY (235050)	6.4	5.1	6.7	7.3	8.0	9.0	8.0	7.7	5.3	5.1	5.9	6.1	6.6	6.4	6.6	6.5	6.6	6.6	6.3	5.4	6.2
TYEE (SRX 1GD)	6.7	4.8	5.3	7.8	8.3	7.7	6.7	6.0	5.6	5.3	6.0	5.8	6.7	6.7	6.4	6.5	6.8	6.7	6.3	5.9	6.2
INDEPENDENCE	6.8	5.0	6.0	7.0	8.0	7.7	8.0	8.3	5.1	5.4	5.8	6.3	6.7	6.3	6.3	6.7	6.7	6.6	5.9	5.7	6.1
MACKENZIE (SRX 1GPD)	5.9	5.0	6.0	7.3	8.3	7.3	8.0	6.7	5.2	5.3	5.8	5.8	6.6	6.1	6.2	6.1	6.4	6.4	6.2	5.6	6.0
DECLARATION	6.6	5.3	7.0	6.8	8.7	8.7	8.0	8.7	5.1	5.1	5.8	5.7	6.4	6.0	5.9	5.9	6.2	5.8	5.7	5.4	5.8
PENN A-1	6.8	4.8	6.7	6.7	8.0	8.7	7.0	9.0	5.3	4.8	5.5	5.6	6.4	5.3	5.6	6.1	6.1	6.2	5.9	5.4	5.7
CY-2	5.6	5.0	6.7	6.2	8.0	7.7	8.0	8.7	5.3	5.1	5.3	5.8	5.8	5.6	5.8	5.9	6.2	5.4	5.7	5.5	5.6
T-1	7.5	5.1	7.0	6.6	7.7	8.7	8.7	8.0	4.7	5.0	5.4	5.3	5.9	5.7	5.5	5.7	5.9	5.5	5.7	5.1	5.5
ALPHA	6.9	5.0	6.3	6.2	8.0	9.0	8.7	8.7	4.6	4.9	5.2	5.8	5.9	5.6	5.7	5.9	5.9	5.6	5.1	4.7	5.4
BENCHMARK DSR	6.9	5.4	5.3	6.6	8.3	9.0	7.3	9.0	4.7	5.0	5.2	5.3	5.8	5.5	5.3	5.5	5.8	5.7	5.7	5.2	5.4
COBRA 2 (IS-AP 9)	6.8	4.3	5.7	6.9	7.7	8.7	8.0	9.0	4.6	4.4	5.3	5.3	5.8	5.5	5.6	5.6	5.8	5.3	5.2	4.7	5.3
LS-44	6.6	4.5	7.0	6.1	8.3	7.7	7.0	9.0	4.6	4.4	5.0	5.4	6.2	5.2	5.5	5.4	5.7	5.3	5.3	4.7	5.3
KINGPIN (9200)	6.6	5.3	5.3	6.3	8.0	7.3	7.3	9.0	4.8	5.0	5.1	5.0	5.3	5.5	5.4	5.3	5.5	5.4	5.3	4.8	5.2
13-M	6.1	5.0	6.7	6.0	8.7	8.3	6.3	8.7	4.7	4.8	5.3	5.3	5.5	5.3	4.8	5.2	5.3	5.6	5.1	4.6	5.1
BENGAL	6.8	5.2	6.3	6.1	8.0	8.7	8.0	9.0	4.7	5.0	5.1	5.0	5.3	5.3	5.3	5.4	5.1	5.1	5.1	4.7	5.1
MEMORIAL (A03-EDI)	6.3	4.6	5.3	5.7	9.0	8.7	6.7	9.0	4.7	4.6	4.8	4.8	5.4	4.9	5.0	5.0	5.1	5.0	5.1	4.8	4.9
PENNLINKS II	6.6	4.7	7.0	5.8	8.3	8.0	7.3	9.0	3.9	4.0	4.6	5.3	5.2	4.5	4.8	4.7	4.6	4.8	4.4	3.8	4.6
PENNCROSS	5.9	4.0	6.7	4.6	8.7	8.3	6.7	9.0	3.6	4.0	4.3	4.5	4.7	4.3	4.2	4.3	4.3	4.2	4.4	3.9	4.2
LSD VALUE	0.6	1.0	1.6	0.6	0.8	2.9	2.0	1.4	0.6	0.6	0.6	0.7	0.7	0.6	0.7	0.6	0.8	0.9	0.7	0.4	0.4
C.V. (%)	10.6	19.1	11.8	10.5	4.9	11.7	11.8	9.2	13.3	14.5	13.5	16.1	15.0	15.1	15.9	14.6	17.7	19.0	16.9	12.0	10.6

TABLE 5C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN UNDER LOW MAINTENANCE AT PUYALLUP, WA 1/

2004-07 DATA  
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	SEEDLING VIGOR	SUMMER DENSITY	RED THREAD	BROWN PATCH WARM TEMP.	DRY SPOT	BASIDIO- MYCETES DAMAGE	QUALITY RATINGS												
									JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
VILLA (IS-AC 1)	8.0	5.4	7.0	8.8	7.0	8.7	8.7	7.3	5.8	5.1	6.1	6.9	6.8	6.7	7.3	6.9	7.1	6.9	6.8	6.2	6.6
LEGENDARY	7.8	5.7	7.0	8.8	7.0	9.0	8.7	7.3	5.0	4.9	5.8	6.7	6.8	6.8	6.8	6.8	7.0	6.6	6.9	6.0	6.4
GREENWICH	7.8	5.3	7.7	8.6	7.0	9.0	8.3	7.3	5.4	5.1	5.7	6.6	6.7	6.4	6.5	6.8	6.8	6.6	6.8	6.1	6.3
VENUS (EFD)	7.8	5.8	7.0	8.4	7.3	9.0	9.0	7.7	5.4	5.1	6.0	6.4	6.4	6.3	6.4	6.8	6.9	6.5	6.8	6.3	6.3
VESPER	7.8	5.8	7.0	8.4	6.7	9.0	9.0	8.3	5.2	5.3	5.7	6.1	6.4	6.2	6.3	6.4	6.7	6.7	6.3	5.5	6.1
SR 7200	7.6	6.2	4.7	8.2	6.0	8.7	9.0	9.0	5.2	5.0	5.3	5.7	6.0	5.8	5.8	5.9	6.0	5.9	5.9	5.5	5.7
LSD VALUE	0.8	0.8	2.7	0.7	1.6	0.8	1.0	2.3	1.0	1.5	1.6	1.2	0.9	1.7	1.5	1.7	1.6	2.0	1.1	0.7	1.2
C.V. (%)	8.4	13.4	18.6	6.7	10.3	3.9	5.0	13.0	13.7	20.9	21.2	18.6	12.6	21.9	21.3	21.6	20.3	23.4	16.0	12.4	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.

Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP

TABLE 6A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/  
2005-07 DATA

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

NAME	SPRING GREENUP	PERCENT COVER FALL	ANTHRAC-NOSE	WEAR TOLERANCE 2005	WEAR TOLERANCE RATINGS				WEAR TOLERANCE MEAN	QUALITY RATINGS										
					SPRING 2006	FALL 2006	SPRING 2007	FALL 2007		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
LEGENDARY	6.1	96.0	7.3	7.3	7.7	4.3	7.7	7.7	7.0	3.0	5.6	6.9	7.1	6.7	7.0	6.9	6.4	5.8	4.3	6.4
GREENWICH	5.8	94.7	6.3	8.0	6.7	4.3	7.7	7.7	7.1	3.0	5.4	6.9	6.9	6.4	6.9	6.8	6.4	5.8	4.0	6.3
VENUS (EFD)	6.0	96.3	7.3	7.3	8.0	5.0	7.3	7.0	7.0	3.3	5.6	6.7	7.1	6.2	6.9	6.8	6.6	6.5	4.3	6.3
VESPER	6.8	90.0	7.3	7.0	8.0	4.7	7.7	7.7	7.0	3.3	5.7	6.4	7.2	6.4	7.0	6.3	6.1	6.7	4.7	6.3
VILLA (IS-AC 1)	5.8	96.0	8.3	7.7	7.7	4.3	7.7	7.0	7.0	3.0	5.6	6.9	7.0	6.7	6.8	6.7	6.4	5.7	4.0	6.3
DECLARATION	5.7	97.7	8.3	3.3	5.7	2.7	4.0	6.3	4.2	4.0	5.0	6.3	6.8	6.4	7.0	6.6	6.4	5.8	4.7	6.2
TYEE (SRX 1GD)	4.8	96.3	5.7	3.0	5.3	3.0	4.3	4.7	3.9	2.3	4.8	6.3	6.7	6.6	7.2	6.7	6.3	5.8	4.0	6.1
007 (DSB)	5.6	96.3	8.3	3.0	4.3	2.7	4.3	4.7	3.7	3.3	4.9	6.1	6.7	6.3	6.9	6.3	6.3	5.8	4.0	6.0
13-M	5.1	93.0	7.7	2.7	5.3	2.3	5.0	4.7	3.8	2.3	5.1	6.4	6.7	6.6	6.7	6.1	6.0	5.5	4.0	6.0
T-1	5.1	93.3	8.7	2.7	5.0	3.3	5.3	4.3	3.9	3.3	4.7	6.6	6.9	6.7	6.9	6.3	6.0	5.2	3.7	6.0
LS-44	5.6	93.3	9.0	3.3	5.0	2.0	4.7	4.7	3.8	3.3	5.0	6.7	7.1	6.2	6.8	6.0	5.7	5.0	3.3	5.9
MACKENZIE (SRX 1GPD)	5.7	93.3	6.7	3.3	6.0	2.7	4.7	5.3	4.2	2.0	5.0	6.0	6.3	6.7	6.8	6.4	6.1	5.7	3.7	5.9
MEMORIAL (A03-EDI)	6.0	94.7	9.0	3.0	4.7	2.7	4.7	5.3	3.9	4.0	5.2	6.3	6.6	6.3	6.4	6.2	5.9	5.3	4.0	5.9
BENCHMARK DSR	5.3	96.3	7.3	2.7	4.7	2.0	5.3	4.3	3.6	3.0	4.9	6.3	6.8	6.2	6.2	6.1	5.9	4.8	3.7	5.8
COBRA 2 (IS-AP 9)	4.8	93.3	8.7	3.3	5.0	2.7	4.7	4.7	3.9	3.3	4.7	6.6	6.9	6.2	6.7	6.4	5.6	4.7	2.7	5.8
CY-2	4.4	96.3	8.3	4.0	5.0	3.0	4.7	6.0	4.4	3.0	4.2	5.8	6.9	6.2	6.7	6.3	5.8	5.7	4.0	5.8
INDEPENDENCE	5.2	85.0	9.0	4.0	5.3	2.7	5.0	5.7	4.4	4.0	4.8	5.8	6.7	6.4	6.9	5.9	5.7	5.2	4.0	5.8
SHARK (23R)	4.8	94.7	8.0	3.7	5.0	2.7	4.0	5.3	4.1	2.7	4.8	6.1	6.3	6.2	6.8	6.2	6.0	5.2	4.0	5.8
AUTHORITY (235050)	4.7	93.3	7.3	3.7	4.7	3.0	3.7	5.3	4.0	3.0	4.6	6.0	6.4	6.2	7.0	6.1	6.0	4.8	3.7	5.7
KINGPIN (9200)	5.2	96.3	9.0	3.7	4.0	2.3	4.7	4.7	3.8	3.0	4.8	6.2	6.3	5.9	6.4	6.2	6.1	5.0	3.7	5.7
PENN A-1	4.1	96.3	7.7	3.3	3.7	3.3	4.0	4.7	3.7	2.7	4.4	6.0	6.9	6.1	6.3	6.2	6.0	5.3	3.3	5.7
ALPHA	5.0	91.3	8.3	3.7	5.3	2.3	4.7	4.7	4.1	3.3	4.7	6.0	6.4	6.1	6.1	6.1	5.4	4.7	3.0	5.6
BENGAL	5.4	81.7	8.3	3.7	4.7	3.0	4.3	4.7	4.0	4.7	4.9	6.1	6.2	5.9	5.9	5.7	5.4	5.8	4.0	5.6
SR 7200	6.0	91.7	9.0	5.3	7.0	3.7	6.3	6.0	5.6	3.0	4.8	5.9	6.2	5.4	5.7	5.9	5.7	5.0	3.7	5.4
PENNLINKS II	4.7	93.3	9.0	2.7	3.7	2.7	4.7	4.3	3.4	3.0	4.2	5.9	5.8	5.4	5.8	5.9	5.3	4.7	3.0	5.2
PENNCROSS	4.6	76.7	9.0	4.0	4.0	2.7	4.7	4.3	3.9	3.0	3.9	5.6	5.6	5.0	5.0	5.2	4.9	4.3	2.7	4.8
LSD VALUE	2.8	8.0	2.2	1.2	1.0	1.0	0.8	1.3	0.8	2.6	4.3	1.1	0.6	1.0	0.7	1.9	0.8	0.6	0.8	0.3
C.V. (%)	31.8	4.9	13.3	19.4	12.2	20.1	10.7	14.7	19.6	28.3	35.7	13.4	9.6	13.9	11.4	16.8	12.7	10.0	12.3	6.6

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 6B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/

2005-07 DATA  
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	PERCENT COVER FALL	ANTHRAC-NOSE	WEAR TOLERANCE 2005	WEAR TOLERANCE RATINGS				WEAR TOLERANCE MEAN	QUALITY RATINGS											
					SPRING 2006	FALL 2006	SPRING 2007	FALL 2007		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	
DECLARATION	5.7	97.7	8.3	3.3	5.7	2.7	4.0	6.3	4.2	4.0	5.0	6.3	6.8	6.4	7.0	6.6	6.4	5.8	4.7	6.2	
TYEE (SRX 1GD)	4.8	96.3	5.7	3.0	5.3	3.0	4.3	4.7	3.9	2.3	4.8	6.3	6.7	6.6	7.2	6.7	6.3	5.8	4.0	6.1	
007 (DSB)	5.6	96.3	8.3	3.0	4.3	2.7	4.3	4.7	3.7	3.3	4.9	6.1	6.7	6.3	6.9	6.3	6.3	5.8	4.0	6.0	
13-M	5.1	93.0	7.7	2.7	5.3	2.3	5.0	4.7	3.8	2.3	5.1	6.4	6.7	6.6	6.7	6.1	6.0	5.5	4.0	6.0	
T-1	5.1	93.3	8.7	2.7	5.0	3.3	5.3	4.3	3.9	3.3	4.7	6.6	6.9	6.7	6.9	6.3	6.0	5.2	3.7	6.0	
LS-44	5.6	93.3	9.0	3.3	5.0	2.0	4.7	4.7	3.8	3.3	5.0	6.7	7.1	6.2	6.8	6.0	5.7	5.0	3.3	5.9	
MACKENZIE (SRX 1GPD)	5.7	93.3	6.7	3.3	6.0	2.7	4.7	5.3	4.2	2.0	5.0	6.0	6.3	6.7	6.8	6.4	6.1	5.7	3.7	5.9	
MEMORIAL (A03-EDI)	6.0	94.7	9.0	3.0	4.7	2.7	4.7	5.3	3.9	4.0	5.2	6.3	6.6	6.3	6.4	6.2	5.9	5.3	4.0	5.9	
BENCHMARK DSR	5.3	96.3	7.3	2.7	4.7	2.0	5.3	4.3	3.6	3.0	4.9	6.3	6.8	6.2	6.2	6.1	5.9	4.8	3.7	5.8	
COBRA 2 (IS-AP 9)	4.8	93.3	8.7	3.3	5.0	2.7	4.7	4.7	3.9	3.3	4.7	6.6	6.9	6.2	6.7	6.4	5.6	4.7	2.7	5.8	
CY-2	4.4	96.3	8.3	4.0	5.0	3.0	4.7	6.0	4.4	3.0	4.2	5.8	6.9	6.2	6.7	6.3	5.8	5.7	4.0	5.8	
INDEPENDENCE	5.2	85.0	9.0	4.0	5.3	2.7	5.0	5.7	4.4	4.0	4.8	5.8	6.7	6.4	6.9	5.9	5.7	5.2	4.0	5.8	
SHARK (23R)	4.8	94.7	8.0	3.7	5.0	2.7	4.0	5.3	4.1	2.7	4.8	6.1	6.3	6.2	6.8	6.2	6.0	5.2	4.0	5.8	
AUTHORITY (235050)	4.7	93.3	7.3	3.7	4.7	3.0	3.7	5.3	4.0	3.0	4.6	6.0	6.4	6.2	7.0	6.1	6.0	4.8	3.7	5.7	
KINGPIN (9200)	5.2	96.3	9.0	3.7	4.0	2.3	4.7	4.7	3.8	3.0	4.8	6.2	6.3	5.9	6.4	6.2	6.1	5.0	3.7	5.7	
PENN A-1	4.1	96.3	7.7	3.3	3.7	3.3	4.0	4.7	3.7	2.7	4.4	6.0	6.9	6.1	6.3	6.2	6.0	5.3	3.3	5.7	
ALPHA	5.0	91.3	8.3	3.7	5.3	2.3	4.7	4.7	4.1	3.3	4.7	6.0	6.4	6.1	6.1	6.1	5.4	4.7	3.0	5.6	
BENGAL	5.4	81.7	8.3	3.7	4.7	3.0	4.3	4.7	4.0	4.7	4.9	6.1	6.2	5.9	5.9	5.7	5.4	5.8	4.0	5.6	
PENNLINKS II	4.7	93.3	9.0	2.7	3.7	2.7	4.7	4.3	3.4	3.0	4.2	5.9	5.8	5.4	5.8	5.9	5.3	4.7	3.0	5.2	
PENNCROSS	4.6	76.7	9.0	4.0	4.0	2.7	4.7	4.3	3.9	3.0	3.9	5.6	5.6	5.0	5.0	5.2	4.9	4.3	2.7	4.8	
LSD VALUE	3.6	7.6	1.6	2.1	1.1	1.9	1.1	2.2	1.8	2.5	4.8	1.7	0.6	0.8	0.7	2.0	0.9	0.6	0.8	0.3	
C.V. (%)	33.8	4.8	10.7	22.6	12.4	23.5	11.2	17.2	22.2	30.1	39.3	14.6	9.8	12.2	11.3	16.8	13.1	9.7	12.9	6.6	

TABLE 6C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/  
 2005-07 DATA  
 TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	SPRING GREENUP	PERCENT COVER FALL	ANTHRAC-NOSE	WEAR TOLERANCE 2005	WEAR TOLERANCE RATINGS				WEAR TOLERANCE MEAN	QUALITY RATINGS											
					SPRING 2006	FALL 2006	SPRING 2007	FALL 2007		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	
LEGENDARY	6.1	96.0	7.3	7.3	7.7	4.3	7.7	7.7	7.0	3.0	5.6	6.9	7.1	6.7	7.0	6.9	6.4	5.8	4.3	6.4	
GREENWICH	5.8	94.7	6.3	8.0	6.7	4.3	7.7	7.7	7.1	3.0	5.4	6.9	6.9	6.4	6.9	6.8	6.4	5.8	4.0	6.3	
VENUS (EFD)	6.0	96.3	7.3	7.3	8.0	5.0	7.3	7.0	7.0	3.3	5.6	6.7	7.1	6.2	6.9	6.8	6.6	6.5	4.3	6.3	
VESPER	6.8	90.0	7.3	7.0	8.0	4.7	7.7	7.7	7.0	3.3	5.7	6.4	7.2	6.4	7.0	6.3	6.1	6.7	4.7	6.3	
VILLA (IS-AC 1)	5.8	96.0	8.3	7.7	7.7	4.3	7.7	7.0	7.0	3.0	5.6	6.9	7.0	6.7	6.8	6.7	6.4	5.7	4.0	6.3	
SR 7200	6.0	91.7	9.0	5.3	7.0	3.7	6.3	6.0	5.6	3.0	4.8	5.9	6.2	5.4	5.7	5.9	5.7	5.0	3.7	5.4	
LSD VALUE	2.5	9.6	2.8	1.0	2.1	1.3	1.6	1.2	0.9	0.7	1.9	0.6	0.6	1.5	0.7	1.5	0.9	0.8	1.1	0.3	
C.V. (%)	26.7	4.4	16.6	7.6	11.9	12.9	9.8	8.4	13.6	9.6	24.1	9.0	8.9	18.5	11.3	16.6	11.6	10.8	11.6	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 7A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN USING REDUCED FUNGICIDES AT FARMINGDALE, NY 1/  
2004-07 DATA

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

NAME	SPRING GREENUP	LEAF TEXTURE	SEEDLING VIGOR	QUALITY RATINGS									MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
BENCHMARK DSR	6.8	6.0	6.7	6.7	6.7	6.4	6.3	6.4	6.4	6.3	6.3	6.5	
DECLARATION	7.3	6.0	6.0	6.8	6.6	6.6	6.4	6.5	6.4	6.4	6.7	6.5	
LS-44	7.3	6.0	5.7	7.2	6.8	6.7	6.3	6.4	6.3	6.3	6.3	6.5	
PENNLINKS II	7.8	6.3	6.0	7.3	6.7	6.6	6.3	6.3	6.3	6.3	6.0	6.5	
13-M	7.5	6.8	6.0	7.0	6.8	6.7	6.2	6.2	6.4	6.2	6.0	6.4	
ALPHA	7.0	6.0	6.0	6.5	6.6	6.4	6.3	6.4	6.3	6.0	6.3	6.4	
AUTHORITY (235050)	7.3	6.3	6.3	7.0	6.8	6.6	6.2	6.3	6.3	6.3	6.0	6.4	
GREENWICH	7.0	5.7	6.0	6.7	6.3	6.2	6.3	6.4	6.4	6.2	6.3	6.4	
INDEPENDENCE	7.8	6.3	6.7	7.3	6.2	6.2	6.3	6.3	6.3	6.3	6.3	6.4	
PENNCROSS	6.8	6.3	6.0	6.3	6.2	6.2	6.5	6.6	6.3	6.2	6.3	6.4	
SHARK (23R)	7.5	5.7	5.7	7.0	6.9	6.7	6.0	6.1	6.1	6.3	6.3	6.4	
VENUS (EFD)	7.0	6.0	6.0	6.3	6.1	6.0	6.4	6.5	6.6	6.3	6.3	6.4	
CY-2	6.5	6.0	6.0	6.3	6.3	6.3	6.0	6.3	6.3	6.0	6.0	6.3	
MEMORIAL (A03-EDI)	7.0	5.3	5.7	7.0	6.6	6.6	6.0	6.2	6.1	6.1	6.3	6.3	
T-1	7.2	6.3	6.0	6.8	6.6	6.2	6.1	6.2	6.4	6.1	6.0	6.3	
TYEE (SRX 1GD)	7.2	6.0	6.0	6.8	6.8	6.4	6.0	6.2	6.2	6.2	6.0	6.3	
007 (DSB)	7.2	6.0	5.7	7.0	7.0	6.8	5.9	6.0	5.8	5.9	6.0	6.2	
BENGAL	6.7	6.0	6.0	6.3	6.1	6.0	6.1	6.3	6.4	6.1	6.0	6.2	
COBRA 2 (IS-AP 9)	6.8	6.0	6.0	6.3	6.4	6.2	5.9	6.1	6.2	6.0	6.0	6.2	
PENN A-1	7.0	5.7	5.7	7.0	6.3	6.1	6.0	6.2	6.2	6.1	6.0	6.2	
SR 7200	5.3	6.0	6.0	5.3	6.2	6.1	6.2	6.4	6.4	5.9	6.0	6.2	
LEGENDARY	6.5	6.0	6.3	6.0	6.0	5.9	5.9	6.1	6.1	6.0	6.0	6.1	
MACKENZIE (SRX 1GPD)	7.0	5.7	5.7	7.0	6.6	6.4	5.9	6.0	5.8	5.8	6.0	6.1	
VESPER	7.2	6.3	6.0	7.0	6.3	6.1	6.0	6.0	5.8	5.8	6.0	6.1	
VILLA (IS-AC 1)	6.7	5.7	6.0	6.5	6.1	5.9	5.9	6.1	6.2	5.9	6.0	6.1	
KINGPIN (9200)	6.0	6.0	5.3	5.8	6.7	6.4	5.8	5.9	5.5	5.8	6.0	6.0	
LSD VALUE	0.9	0.5	1.5	0.8	0.9	0.6	0.7	0.8	0.9	1.9	1.5	0.6	
C.V. (%)	10.5	7.2	8.3	9.5	9.8	8.1	8.7	9.0	11.8	13.7	6.6	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 7B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN USING REDUCED FUNGICIDES AT FARMINGDALE, NY 1/  
 2004-07 DATA

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

NAME	SPRING GREENUP	LEAF TEXTURE	SEEDLING VIGOR	QUALITY RATINGS								MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
BENCHMARK DSR	6.8	6.0	6.7	6.7	6.7	6.4	6.3	6.4	6.4	6.3	6.3	6.5
DECLARATION	7.3	6.0	6.0	6.8	6.6	6.6	6.4	6.5	6.4	6.4	6.7	6.5
LS-44	7.3	6.0	5.7	7.2	6.8	6.7	6.3	6.4	6.3	6.3	6.3	6.5
PENNLINKS II	7.8	6.3	6.0	7.3	6.7	6.6	6.3	6.3	6.3	6.3	6.0	6.5
13-M	7.5	6.8	6.0	7.0	6.8	6.7	6.2	6.2	6.4	6.2	6.0	6.4
ALPHA	7.0	6.0	6.0	6.5	6.6	6.4	6.3	6.4	6.3	6.0	6.3	6.4
AUTHORITY (235050)	7.3	6.3	6.3	7.0	6.8	6.6	6.2	6.3	6.3	6.3	6.0	6.4
INDEPENDENCE	7.8	6.3	6.7	7.3	6.2	6.2	6.3	6.3	6.3	6.3	6.3	6.4
PENNCROSS	6.8	6.3	6.0	6.3	6.2	6.2	6.5	6.6	6.3	6.2	6.3	6.4
SHARK (23R)	7.5	5.7	5.7	7.0	6.9	6.7	6.0	6.1	6.1	6.3	6.3	6.4
CY-2	6.5	6.0	6.0	6.3	6.3	6.3	6.0	6.3	6.3	6.0	6.0	6.3
MEMORIAL (A03-EDI)	7.0	5.3	5.7	7.0	6.6	6.6	6.0	6.2	6.1	6.1	6.3	6.3
T-1	7.2	6.3	6.0	6.8	6.6	6.2	6.1	6.2	6.4	6.1	6.0	6.3
TYEE (SRX 1GD)	7.2	6.0	6.0	6.8	6.8	6.4	6.0	6.2	6.2	6.2	6.0	6.3
007 (DSB)	7.2	6.0	5.7	7.0	7.0	6.8	5.9	6.0	5.8	5.9	6.0	6.2
BENGAL	6.7	6.0	6.0	6.3	6.1	6.0	6.1	6.3	6.4	6.1	6.0	6.2
COBRA 2 (IS-AP 9)	6.8	6.0	6.0	6.3	6.4	6.2	5.9	6.1	6.2	6.0	6.0	6.2
PENN A-1	7.0	5.7	5.7	7.0	6.3	6.1	6.0	6.2	6.2	6.1	6.0	6.2
MACKENZIE (SRX 1GPD)	7.0	5.7	5.7	7.0	6.6	6.4	5.9	6.0	5.8	5.8	6.0	6.1
KINGPIN (9200)	6.0	6.0	5.3	5.8	6.7	6.4	5.8	5.9	5.5	5.8	6.0	6.0
LSD VALUE	1.1	0.6	1.6	1.0	1.1	0.7	0.7	0.8	0.9	1.7	1.4	0.6
C.V. (%)	10.7	7.5	9.2	10.2	9.9	7.9	8.8	9.1	11.8	13.6	6.8	6.7

TABLE 7C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN USING REDUCED FUNGICIDES AT FARMINGDALE, NY 1/  
 2004-07 DATA

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

NAME	SPRING GREENUP	LEAF TEXTURE	SEEDLING VIGOR	QUALITY RATINGS								MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
GREENWICH	7.0	5.7	6.0	6.7	6.3	6.2	6.3	6.4	6.4	6.2	6.3	6.4
VENUS (EFD)	7.0	6.0	6.0	6.3	6.1	6.0	6.4	6.5	6.6	6.3	6.3	6.4
SR 7200	5.3	6.0	6.0	5.3	6.2	6.1	6.2	6.4	6.4	5.9	6.0	6.2
LEGENDARY	6.5	6.0	6.3	6.0	6.0	5.9	5.9	6.1	6.1	6.0	6.0	6.1
VESPER	7.2	6.3	6.0	7.0	6.3	6.1	6.0	6.0	5.8	5.8	6.0	6.1
VILLA (IS-AC 1)	6.7	5.7	6.0	6.5	6.1	5.9	5.9	6.1	6.2	5.9	6.0	6.1
LSD VALUE	0.8	0.5	0.6	0.5	0.8	0.7	0.5	0.5	0.7	1.1	0.8	0.5
C.V. (%)	9.9	6.2	3.9	6.8	9.0	8.4	8.3	8.6	11.6	14.0	5.7	7.1

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

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

TABLE 8A.

GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004-07 DATA

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

NAME	AR1	AZ1	IA1	IL1	IN1	KY1	ME1	MI1	MN1	NC1	NE1	NJ1	NM1	OK1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
T-1	7.8	7.4	7.0	7.9	8.7	8.3	6.2	6.8	7.9	7.0	8.0	6.0	6.2	7.5	8.6	7.7	7.0	7.3	7.1	7.7	8.6	7.5
LS-44	7.3	6.6	7.3	6.6	8.7	8.0	6.0	5.9	6.7	7.0	7.6	5.3	6.2	6.7	7.3	7.5	6.6	6.8	6.8	7.3	7.8	6.9
COBRA 2 (IS-AP 9)	7.1	6.4	7.3	6.8	8.3	7.8	6.0	5.9	7.0	7.4	7.1	5.6	5.5	6.8	6.8	7.7	6.9	6.4	7.1	7.5	7.2	6.9
BENCHMARK DSR	6.9	6.2	6.9	6.3	8.2	7.2	6.3	6.2	7.2	6.8	7.2	4.8	5.8	6.3	7.3	7.8	6.8	7.3	6.8	6.9	8.4	6.9
KINGPIN (9200)	7.1	6.7	6.8	6.4	7.6	6.3	6.3	6.3	7.5	6.7	8.1	4.8	5.3	6.7	6.9	7.8	6.8	6.8	6.4	6.8	8.5	6.8
TYEE (SRX 1GD)	6.9	6.9	7.3	6.3	7.4	7.3	6.0	5.8	6.2	6.9	7.1	6.8	4.7	6.5	6.2	7.5	6.2	6.8	6.6	6.8	7.5	6.7
INDEPENDENCE	7.0	6.9	7.2	6.2	7.8	7.0	6.3	6.1	6.1	6.8	7.8	5.4	5.3	6.3	6.3	7.7	6.4	6.8	6.2	6.9	7.8	6.7
ALPHA	6.8	6.5	7.0	6.8	7.8	7.2	6.0	5.4	6.3	6.8	7.4	4.7	5.5	5.7	6.8	7.7	6.6	6.8	6.5	7.2	8.3	6.7
PENN A-1	7.4	6.3	6.9	6.3	8.6	7.0	6.0	6.1	5.9	7.0	7.4	5.6	5.3	6.8	6.1	7.3	5.9	6.8	6.7	6.9	7.3	6.7
007 (DSB)	7.3	6.8	7.3	6.1	7.8	7.7	6.2	6.4	6.4	6.7	7.7	5.5	4.5	6.3	5.9	7.5	6.3	6.6	6.6	6.5	7.1	6.7
BENGAL	6.9	6.7	6.8	6.1	7.8	7.2	6.2	5.8	5.8	7.2	7.1	4.7	5.8	6.5	6.1	7.6	6.1	6.3	6.3	6.9	7.7	6.5
AUTHORITY (235050)	6.9	6.2	7.1	6.0	8.2	7.8	6.0	5.7	5.7	7.3	7.0	5.3	5.5	6.5	6.2	7.3	5.9	6.6	6.7	6.8	7.0	6.5
DECLARATION	7.0	6.3	7.3	6.0	7.9	7.8	6.2	5.9	5.6	6.9	7.0	5.3	5.2	6.0	5.5	7.3	5.8	6.8	6.4	6.4	7.2	6.4
PENNLINKS II	6.3	6.2	6.8	6.0	8.1	6.0	6.0	5.4	7.1	6.6	7.4	4.4	5.2	5.8	6.3	7.5	6.6	6.3	5.8	6.8	7.8	6.4
SHARK (23R)	6.9	6.0	7.7	6.1	7.9	7.2	6.0	6.0	5.4	6.9	5.9	4.9	4.3	6.7	5.8	7.5	6.0	6.3	6.2	6.5	6.6	6.3
13-M	6.7	6.3	6.8	6.0	7.1	6.8	6.0	6.0	5.2	6.7	7.2	4.8	5.3	5.7	5.7	7.4	6.1	6.7	5.9	6.8	7.3	6.3
MEMORIAL (A03-EDI)	6.0	6.3	6.7	6.2	7.7	6.7	6.0	6.4	5.6	7.0	6.8	4.0	5.3	6.5	5.8	7.1	6.1	6.8	6.5	6.4	7.4	6.3
MACKENZIE (SRX 1GPD)	6.9	6.2	7.0	5.7	7.4	7.0	6.0	6.0	5.0	6.8	6.9	5.8	4.8	5.0	5.7	7.6	6.0	6.3	5.6	6.5	6.8	6.3
CY-2	6.8	5.8	7.2	5.7	7.4	6.8	6.0	5.0	5.5	6.8	7.3	5.6	5.0	5.2	5.5	7.3	6.3	6.6	6.0	6.1	6.9	6.3
PENNCROSS	5.7	6.1	6.8	5.8	7.9	5.0	6.3	5.1	6.3	6.1	7.1	2.8	5.7	5.2	5.8	7.3	6.0	6.2	5.3	6.9	7.0	6.0
SR 7200	7.4	6.1	6.8	4.6	7.1	5.7	7.0	6.4	3.9	5.3	5.6	5.8	5.0	5.7	4.5	7.1	6.0	6.4	4.8	6.4	6.1	5.9
VESPER	7.6	6.0	6.6	5.3	7.0	6.0	6.8	5.1	4.1	5.4	4.9	5.3	3.7	6.0	4.8	7.0	6.2	5.8	5.4	6.4	5.6	5.8
GREENWICH	6.8	6.3	7.0	4.3	6.9	6.5	6.8	5.0	3.9	5.3	5.0	5.6	4.3	4.8	4.5	6.9	6.2	6.2	5.2	6.3	5.3	5.7
VENUS (EFD)	6.8	5.8	6.9	4.5	6.9	6.0	6.7	5.0	3.5	5.3	5.8	5.5	4.0	5.5	4.3	7.0	5.6	5.9	4.8	6.3	5.4	5.6
LEGENDARY	6.7	6.3	6.8	4.3	6.7	5.2	7.0	5.3	3.6	5.1	5.2	5.7	3.8	5.2	4.2	6.8	6.3	6.0	5.1	6.1	5.3	5.6
VILLA (IS-AC 1)	6.8	5.9	6.8	4.4	7.0	5.2	6.8	5.0	3.7	4.8	5.3	6.0	5.2	4.5	4.3	6.8	5.9	5.9	4.9	6.1	5.3	5.6
LSD VALUE	1.2	0.9	1.1	0.9	0.9	1.3	0.6	1.3	1.2	1.0	1.3	1.8	1.5	1.0	0.9	0.7	0.9	1.0	1.2	0.8	0.9	0.3
C.V. (%)	11.0	8.9	9.5	9.6	9.0	11.9	6.2	15.5	14.0	9.2	12.7	21.5	18.7	11.4	9.7	5.6	8.6	9.3	12.4	7.5	8.2	11.1

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

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



Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 TABLE 8B. GENETIC COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004-07 DATA

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

NAME	AR1	AZ1	IA1	IL1	IN1	KY1	ME1	MI1	MN1	NC1	NE1	NJ1	NM1	OK1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
T-1	7.8	7.4	7.0	7.9	8.7	8.3	6.2	6.8	7.9	7.0	8.0	6.0	6.2	7.5	8.6	7.7	7.0	7.3	7.1	7.7	8.6	7.5
LS-44	7.3	6.6	7.3	6.6	8.7	8.0	6.0	5.9	6.7	7.0	7.6	5.3	6.2	6.7	7.3	7.5	6.6	6.8	6.8	7.3	7.8	6.9
COBRA 2 (IS-AP 9)	7.1	6.4	7.3	6.8	8.3	7.8	6.0	5.9	7.0	7.4	7.1	5.6	5.5	6.8	6.8	7.7	6.9	6.4	7.1	7.5	7.2	6.9
BENCHMARK DSR	6.9	6.2	6.9	6.3	8.2	7.2	6.3	6.2	7.2	6.8	7.2	4.8	5.8	6.3	7.3	7.8	6.8	7.3	6.8	6.9	8.4	6.9
KINGPIN (9200)	7.1	6.7	6.8	6.4	7.6	6.3	6.3	6.3	7.5	6.7	8.1	4.8	5.3	6.7	6.9	7.8	6.8	6.8	6.4	6.8	8.5	6.8
TYEE (SRX 1GD)	6.9	6.9	7.3	6.3	7.4	7.3	6.0	5.8	6.2	6.9	7.1	6.8	4.7	6.5	6.2	7.5	6.2	6.8	6.6	6.8	7.5	6.7
INDEPENDENCE	7.0	6.9	7.2	6.2	7.8	7.0	6.3	6.1	6.1	6.8	7.8	5.4	5.3	6.3	6.3	7.7	6.4	6.8	6.2	6.9	7.8	6.7
ALPHA	6.8	6.5	7.0	6.8	7.8	7.2	6.0	5.4	6.3	6.8	7.4	4.7	5.5	5.7	6.8	7.7	6.6	6.8	6.5	7.2	8.3	6.7
PENN A-1	7.4	6.3	6.9	6.3	8.6	7.0	6.0	6.1	5.9	7.0	7.4	5.6	5.3	6.8	6.1	7.3	5.9	6.8	6.7	6.9	7.3	6.7
007 (DSB)	7.3	6.8	7.3	6.1	7.8	7.7	6.2	6.4	6.4	6.7	7.7	5.5	4.5	6.3	5.9	7.5	6.3	6.6	6.6	6.5	7.1	6.7
BENGAL	6.9	6.7	6.8	6.1	7.8	7.2	6.2	5.8	5.8	7.2	7.1	4.7	5.8	6.5	6.1	7.6	6.1	6.3	6.3	6.9	7.7	6.5
AUTHORITY (235050)	6.9	6.2	7.1	6.0	8.2	7.8	6.0	5.7	5.7	7.3	7.0	5.3	5.5	6.5	6.2	7.3	5.9	6.6	6.7	6.8	7.0	6.5
DECLARATION	7.0	6.3	7.3	6.0	7.9	7.8	6.2	5.9	5.6	6.9	7.0	5.3	5.2	6.0	5.5	7.3	5.8	6.8	6.4	6.4	7.2	6.4
PENNLINKS II	6.3	6.2	6.8	6.0	8.1	6.0	6.0	5.4	7.1	6.6	7.4	4.4	5.2	5.8	6.3	7.5	6.6	6.3	5.8	6.8	7.8	6.4
SHARK (23R)	6.9	6.0	7.7	6.1	7.9	7.2	6.0	6.0	5.4	6.9	5.9	4.9	4.3	6.7	5.8	7.5	6.0	6.3	6.2	6.5	6.6	6.3
13-M	6.7	6.3	6.8	6.0	7.1	6.8	6.0	6.0	5.2	6.7	7.2	4.8	5.3	5.7	5.7	7.4	6.1	6.7	5.9	6.8	7.3	6.3
MEMORIAL (A03-EDI)	6.0	6.3	6.7	6.2	7.7	6.7	6.0	6.4	5.6	7.0	6.8	4.0	5.3	6.5	5.8	7.1	6.1	6.8	6.5	6.4	7.4	6.3
MACKENZIE (SRX 1GPD)	6.9	6.2	7.0	5.7	7.4	7.0	6.0	6.0	5.0	6.8	6.9	5.8	4.8	5.0	5.7	7.6	6.0	6.3	5.6	6.5	6.8	6.3
CY-2	6.8	5.8	7.2	5.7	7.4	6.8	6.0	5.0	5.5	6.8	7.3	5.6	5.0	5.2	5.5	7.3	6.3	6.6	6.0	6.1	6.9	6.3
PENNCROSS	5.7	6.1	6.8	5.8	7.9	5.0	6.3	5.1	6.3	6.1	7.1	2.8	5.7	5.2	5.8	7.3	6.0	6.2	5.3	6.9	7.0	6.0
LSD VALUE	1.3	0.9	1.1	0.9	1.0	1.2	0.5	1.4	1.3	1.0	1.1	1.8	1.6	0.9	0.9	0.6	0.9	1.0	1.1	0.7	0.9	0.3
C.V. (%)	11.6	8.7	9.4	8.8	9.7	10.5	5.0	15.6	13.6	9.1	9.6	23.0	19.7	10.0	9.6	5.3	8.9	9.4	10.9	6.9	7.7	10.8

TABLE 8C. GENETIC COLOR RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004-07 DATA

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

NAME	AR1	AZ1	IA1	IL1	IN1	KY1	ME1	MI1	MN1	NC1	NE1	NJ1	NM1	OK1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
SR 7200	7.4	6.1	6.8	4.6	7.1	5.7	7.0	6.4	3.9	5.3	5.6	5.8	5.0	5.7	4.5	7.1	6.0	6.4	4.8	6.4	6.1	5.9
VESPER	7.6	6.0	6.6	5.3	7.0	6.0	6.8	5.1	4.1	5.4	4.9	5.3	3.7	6.0	4.8	7.0	6.2	5.8	5.4	6.4	5.6	5.8
GREENWICH	6.8	6.3	7.0	4.3	6.9	6.5	6.8	5.0	3.9	5.3	5.0	5.6	4.3	4.8	4.5	6.9	6.2	6.2	5.2	6.3	5.3	5.7
VENUS (EFD)	6.8	5.8	6.9	4.5	6.9	6.0	6.7	5.0	3.5	5.3	5.8	5.5	4.0	5.5	4.3	7.0	5.6	5.9	4.8	6.3	5.4	5.6
LEGENDARY	6.7	6.3	6.8	4.3	6.7	5.2	7.0	5.3	3.6	5.1	5.2	5.7	3.8	5.2	4.2	6.8	6.3	6.0	5.1	6.1	5.3	5.6
VILLA (IS-AC 1)	6.8	5.9	6.8	4.4	7.0	5.2	6.8	5.0	3.7	4.8	5.3	6.0	5.2	4.5	4.3	6.8	5.9	5.9	4.9	6.1	5.3	5.6
LSD VALUE	1.0	0.9	1.0	1.0	0.5	1.4	0.7	0.9	0.7	0.7	1.8	1.8	0.9	1.4	0.6	0.7	0.7	0.8	1.4	0.9	0.9	0.3
C.V. (%)	8.6	9.6	9.1	13.3	5.0	14.5	6.3	14.9	11.4	7.9	46.6	19.6	13.1	16.3	9.5	6.5	7.5	8.5	19.3	9.0	10.3	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 9A.

SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004-07 DATA

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

NAME	AZ1	IA1	IL1	IN1	KY1	MI1	MN1	NC1	NE1	NJ1	NM1	NY1	OK1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
BENCHMARK DSR	6.1	7.1	5.3	6.9	7.7	6.2	7.1	7.3	5.7	5.8	3.3	6.5	7.3	6.8	6.7	6.8	7.6	6.3	7.2	5.8	6.6
KINGPIN (9200)	6.3	6.7	5.8	6.9	7.0	6.2	6.4	7.2	6.7	5.7	3.0	5.8	6.3	6.8	6.7	6.3	7.8	6.4	7.2	5.7	6.5
T-1	7.6	6.8	6.4	6.7	4.7	6.3	7.1	7.0	5.2	3.7	3.7	6.7	5.3	6.3	6.9	5.8	8.0	5.3	7.0	6.3	6.4
DECLARATION	6.2	6.3	5.6	6.7	7.3	5.9	6.0	6.3	6.0	7.3	2.0	6.8	5.7	6.1	6.4	6.9	7.3	6.2	5.9	6.9	6.4
007 (DSB)	6.9	6.7	5.6	7.2	4.0	5.8	5.9	7.2	4.2	6.6	2.3	6.7	5.7	6.4	7.0	6.7	7.4	6.7	6.6	6.3	6.3
LS-44	6.9	6.3	5.2	6.3	6.0	6.5	6.8	7.2	4.7	4.7	4.3	6.8	5.3	5.6	6.8	6.1	7.8	5.8	7.3	6.1	6.3
TYEE (SRX 1GD)	7.1	6.4	5.2	5.9	4.3	5.5	6.0	6.3	5.7	6.4	3.0	6.8	4.3	5.8	6.1	5.6	7.4	6.2	6.7	7.0	6.2
MEMORIAL (A03-EDI)	6.3	6.7	5.3	6.9	8.0	5.9	6.4	6.0	4.5	5.6	3.3	6.7	6.7	6.6	6.6	6.0	7.5	5.4	6.8	6.6	6.2
BENGAL	6.8	6.9	5.7	7.1	5.3	6.1	5.7	7.0	6.3	4.1	4.3	6.2	5.3	5.4	6.6	5.2	7.3	5.8	6.8	6.3	6.2
ALPHA	6.3	6.4	5.1	7.1	5.7	5.9	6.9	6.7	5.7	2.6	3.7	6.7	5.7	6.1	6.4	5.7	7.7	5.0	7.4	7.4	6.2
13-M	5.9	6.8	5.4	6.9	8.0	6.2	6.4	7.0	3.7	5.1	2.7	7.0	6.7	5.8	6.0	5.4	7.3	6.0	6.4	6.4	6.2
INDEPENDENCE	6.8	6.0	5.1	6.9	4.7	5.9	6.6	6.8	4.3	5.8	2.0	7.3	5.7	5.9	6.4	6.0	7.4	5.3	7.1	6.7	6.2
COBRA 2 (IS-AP 9)	6.5	6.8	4.9	6.9	6.0	5.8	5.8	6.8	5.5	3.2	3.7	6.5	7.0	6.0	6.1	5.8	7.3	5.7	7.6	6.9	6.1
PENN A-1	6.1	6.7	5.6	6.9	6.3	6.1	6.4	7.7	3.3	4.6	3.0	6.8	6.3	6.2	6.0	5.2	7.3	5.3	7.1	5.9	6.1
MACKENZIE (SRX 1GPD)	5.8	5.8	4.9	6.9	6.0	5.8	5.6	6.0	4.2	6.9	2.7	6.8	5.3	5.9	6.1	5.9	7.3	5.7	6.3	6.6	6.0
SHARK (23R)	5.7	6.1	4.7	6.4	5.3	5.5	5.4	6.5	3.7	6.3	3.3	7.0	5.3	6.4	6.6	6.4	7.1	6.4	6.8	6.4	6.0
PENNLINKS II	5.9	6.7	5.1	6.3	7.0	5.9	6.1	6.2	5.3	2.9	2.3	7.3	4.3	4.9	6.6	5.6	7.7	4.7	7.1	6.7	6.0
AUTHORITY (235050)	6.2	6.2	5.0	6.8	6.3	5.5	4.7	6.3	4.7	5.8	3.3	7.0	5.7	6.1	6.4	5.8	7.0	6.0	6.3	5.9	6.0
CY-2	5.4	6.4	3.9	6.7	8.0	5.5	4.8	6.5	4.8	5.8	3.0	6.2	5.3	5.1	6.3	6.0	7.2	5.9	5.9	7.8	5.9
PENNCROSS	5.8	6.4	4.7	6.4	5.3	6.0	6.0	5.3	4.3	1.9	4.3	6.3	5.7	4.7	6.9	5.7	7.4	4.6	7.3	7.2	5.9
VESPER	5.4	6.0	4.7	4.9	7.7	5.3	5.2	6.5	5.8	2.8	2.7	6.7	7.3	6.2	7.2	5.3	7.2	5.0	8.3	6.7	5.8
SR 7200	5.3	6.7	4.1	5.2	7.3	5.3	5.3	6.5	5.8	4.1	4.0	5.3	6.7	5.7	6.7	5.4	7.0	5.2	7.3	6.7	5.7
GREENWICH	5.8	6.1	4.3	4.8	6.7	5.2	5.2	6.7	5.8	1.7	2.7	6.5	7.0	6.3	7.2	5.4	7.1	5.1	8.0	6.3	5.6
LEGENDARY	5.6	6.4	4.6	4.6	6.7	5.4	5.4	6.3	5.8	3.1	2.7	6.0	6.0	6.2	7.3	5.4	7.2	5.1	7.3	6.6	5.6
VILLA (IS-AC 1)	5.2	6.4	4.4	4.7	7.0	4.7	4.9	6.0	5.5	3.6	4.0	6.3	6.7	6.4	7.0	5.8	7.1	4.9	7.4	6.4	5.6
VENUS (EFD)	5.1	6.0	4.3	5.0	6.7	5.3	4.8	6.5	5.0	2.4	3.3	6.5	6.7	6.2	6.8	5.4	7.3	5.0	7.9	6.9	5.6
LSD VALUE	1.8	1.6	1.5	1.2	1.9	1.0	1.9	0.7	1.5	1.9	1.6	1.1	1.8	1.3	1.3	1.1	0.8	1.4	1.1	1.7	0.4
C.V. (%)	18.7	15.4	19.1	11.9	18.9	11.6	20.2	6.8	19.3	26.4	30.8	10.4	18.8	13.6	12.0	11.9	6.7	16.2	9.8	17.5	14.4

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

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

TABLE 9B. Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 SPRING GREENUP RATINGS OF CREEPING BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004-07 DATA

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

NAME	AZ1	IA1	IL1	IN1	KY1	MI1	MN1	NC1	NE1	NJ1	NM1	NY1	OK1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
BENCHMARK DSR	6.1	7.1	5.3	6.9	7.7	6.2	7.1	7.3	5.7	5.8	3.3	6.5	7.3	6.8	6.7	6.8	7.6	6.3	7.2	5.8	6.6
KINGPIN (9200)	6.3	6.7	5.8	6.9	7.0	6.2	6.4	7.2	6.7	5.7	3.0	5.8	6.3	6.8	6.7	6.3	7.8	6.4	7.2	5.7	6.5
T-1	7.6	6.8	6.4	6.7	4.7	6.3	7.1	7.0	5.2	3.7	3.7	6.7	5.3	6.3	6.9	5.8	8.0	5.3	7.0	6.3	6.4
DECLARATION	6.2	6.3	5.6	6.7	7.3	5.9	6.0	6.3	6.0	7.3	2.0	6.8	5.7	6.1	6.4	6.9	7.3	6.2	5.9	6.9	6.4
007 (DSB)	6.9	6.7	5.6	7.2	4.0	5.8	5.9	7.2	4.2	6.6	2.3	6.7	5.7	6.4	7.0	6.7	7.4	6.7	6.6	6.3	6.3
LS-44	6.9	6.3	5.2	6.3	6.0	6.5	6.8	7.2	4.7	4.7	4.3	6.8	5.3	5.6	6.8	6.1	7.8	5.8	7.3	6.1	6.3
TYEE (SRX 1GD)	7.1	6.4	5.2	5.9	4.3	5.5	6.0	6.3	5.7	6.4	3.0	6.8	4.3	5.8	6.1	5.6	7.4	6.2	6.7	7.0	6.2
MEMORIAL (A03-EDI)	6.3	6.7	5.3	6.9	8.0	5.9	6.4	6.0	4.5	5.6	3.3	6.7	6.7	6.6	6.6	6.0	7.5	5.4	6.8	6.6	6.2
BENGAL	6.8	6.9	5.7	7.1	5.3	6.1	5.7	7.0	6.3	4.1	4.3	6.2	5.3	5.4	6.6	5.2	7.3	5.8	6.8	6.3	6.2
ALPHA	6.3	6.4	5.1	7.1	5.7	5.9	6.9	6.7	5.7	2.6	3.7	6.7	5.7	6.1	6.4	5.7	7.7	5.0	7.4	7.4	6.2
13-M	5.9	6.8	5.4	6.9	8.0	6.2	6.4	7.0	3.7	5.1	2.7	7.0	6.7	5.8	6.0	5.4	7.3	6.0	6.4	6.4	6.2
INDEPENDENCE	6.8	6.0	5.1	6.9	4.7	5.9	6.6	6.8	4.3	5.8	2.0	7.3	5.7	5.9	6.4	6.0	7.4	5.3	7.1	6.7	6.2
COBRA 2 (IS-AP 9)	6.5	6.8	4.9	6.9	6.0	5.8	5.8	6.8	5.5	3.2	3.7	6.5	7.0	6.0	6.1	5.8	7.3	5.7	7.6	6.9	6.1
PENN A-1	6.1	6.7	5.6	6.9	6.3	6.1	6.4	7.7	3.3	4.6	3.0	6.8	6.3	6.2	6.0	5.2	7.3	5.3	7.1	5.9	6.1
MACKENZIE (SRX 1GPD)	5.8	5.8	4.9	6.9	6.0	5.8	5.6	6.0	4.2	6.9	2.7	6.8	5.3	5.9	6.1	5.9	7.3	5.7	6.3	6.6	6.0
SHARK (23R)	5.7	6.1	4.7	6.4	5.3	5.5	5.4	6.5	3.7	6.3	3.3	7.0	5.3	6.4	6.6	6.4	7.1	6.4	6.8	6.4	6.0
PENNLINKS II	5.9	6.7	5.1	6.3	7.0	5.9	6.1	6.2	5.3	2.9	2.3	7.3	4.3	4.9	6.6	5.6	7.7	4.7	7.1	6.7	6.0
AUTHORITY (235050)	6.2	6.2	5.0	6.8	6.3	5.5	4.7	6.3	4.7	5.8	3.3	7.0	5.7	6.1	6.4	5.8	7.0	6.0	6.3	5.9	6.0
CY-2	5.4	6.4	3.9	6.7	8.0	5.5	4.8	6.5	4.8	5.8	3.0	6.2	5.3	5.1	6.3	6.0	7.2	5.9	5.9	7.8	5.9
PENNCROSS	5.8	6.4	4.7	6.4	5.3	6.0	6.0	5.3	4.3	1.9	4.3	6.3	5.7	4.7	6.9	5.7	7.4	4.6	7.3	7.2	5.9
LSD VALUE	1.8	1.6	1.5	1.2	1.9	1.0	2.0	0.8	1.4	2.1	1.7	1.2	1.7	1.3	1.2	1.2	0.8	1.5	1.1	1.8	0.4
C.V. (%)	17.9	15.1	18.1	10.7	19.5	11.4	20.2	7.1	19.8	26.1	34.4	10.8	18.8	14.2	11.8	13.0	6.6	16.7	10.0	18.5	14.3

TABLE 9C. SPRING GREENUP RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004-07 DATA

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

NAME	AZ1	IA1	IL1	IN1	KY1	MI1	MN1	NC1	NE1	NJ1	NM1	NY1	OK1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
VESPER	5.4	6.0	4.7	4.9	7.7	5.3	5.2	6.5	5.8	2.8	2.7	6.7	7.3	6.2	7.2	5.3	7.2	5.0	8.3	6.7	5.8
SR 7200	5.3	6.7	4.1	5.2	7.3	5.3	5.3	6.5	5.8	4.1	4.0	5.3	6.7	5.7	6.7	5.4	7.0	5.2	7.3	6.7	5.7
GREENWICH	5.8	6.1	4.3	4.8	6.7	5.2	5.2	6.7	5.8	1.7	2.7	6.5	7.0	6.3	7.2	5.4	7.1	5.1	8.0	6.3	5.6
LEGENDARY	5.6	6.4	4.6	4.6	6.7	5.4	5.4	6.3	5.8	3.1	2.7	6.0	6.0	6.2	7.3	5.4	7.2	5.1	7.3	6.6	5.6
VILLA (IS-AC 1)	5.2	6.4	4.4	4.7	7.0	4.7	4.9	6.0	5.5	3.6	4.0	6.3	6.7	6.4	7.0	5.8	7.1	4.9	7.4	6.4	5.6
VENUS (EFD)	5.1	6.0	4.3	5.0	6.7	5.3	4.8	6.5	5.0	2.4	3.3	6.5	6.7	6.2	6.8	5.4	7.3	5.0	7.9	6.9	5.6
LSD VALUE	1.9	1.6	1.6	1.4	1.9	1.0	1.6	0.5	1.6	1.3	0.8	0.9	2.0	1.0	1.4	0.7	0.8	1.0	1.1	1.4	0.4
C.V. (%)	22.4	17.1	24.0	17.3	17.2	11.8	18.6	5.6	17.9	28.8	14.6	8.8	18.6	10.1	12.5	7.8	6.8	15.7	9.1	13.7	14.8

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

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

Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP

TABLE 10A.

LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004-07 DATA

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

NAME	AR1	AZ1	IA1	IN1	KY1	ME1	MI1	NC1	NJ1	NY1	OK1	QE1	TX1	TX2	MEAN
LEGENDARY	9.0	7.3	8.2	9.0	4.7	8.8	7.6	8.9	8.7	6.0	9.0	7.8	7.1	.	7.9
GREENWICH	9.0	7.1	8.2	9.0	4.7	8.7	7.7	9.0	8.4	6.0	9.0	7.6	7.3	.	7.9
VILLA (IS-AC 1)	9.0	7.1	8.1	9.0	4.3	8.7	7.8	9.0	9.0	6.0	9.0	7.8	6.8	.	7.9
VENUS (EFD)	8.7	7.0	8.1	8.8	4.3	8.7	7.7	9.0	8.6	6.0	9.0	7.8	6.9	.	7.8
VESPER	9.0	6.8	7.4	9.0	4.0	8.5	7.4	9.0	8.9	6.3	9.0	7.8	6.8	.	7.7
SR 7200	8.0	6.8	6.9	8.5	4.0	8.5	7.3	9.0	8.4	6.0	9.0	7.7	6.3	.	7.4
TYEE (SRX 1GD)	8.0	7.3	6.9	8.1	8.3	6.5	6.8	8.0	7.7	6.0	8.3	7.4	7.5	8.0	7.4
MACKENZIE (SRX 1GPD)	8.0	7.3	7.6	8.0	7.7	6.7	6.9	8.1	7.7	6.0	7.7	7.1	7.1	7.3	7.4
AUTHORITY (235050)	8.0	7.5	7.8	8.3	7.7	6.2	6.5	7.8	6.6	6.3	7.7	7.5	7.4	7.0	7.3
007 (DSB)	7.7	7.4	7.4	8.0	8.0	5.7	6.8	7.9	7.0	6.3	7.7	7.6	7.0	7.0	7.3
SHARK (23R)	8.0	7.4	7.8	8.0	7.0	6.0	6.6	8.0	6.6	6.0	8.0	7.6	6.6	7.3	7.2
DECLARATION	7.3	6.8	7.0	7.9	7.3	5.8	6.8	7.7	6.2	6.3	8.0	7.2	7.3	7.0	7.0
PENN A-1	7.0	7.3	7.0	7.9	7.0	6.7	6.3	7.9	6.2	6.0	8.0	7.5	6.6	6.7	7.0
T-1	7.7	7.1	6.9	8.0	7.0	6.5	6.6	7.7	5.6	6.3	7.7	7.3	6.8	6.7	7.0
CY-2	7.0	7.3	7.0	7.8	6.7	6.5	6.2	7.9	6.4	6.0	7.3	7.2	6.5	7.0	7.0
INDEPENDENCE	7.3	7.3	6.6	7.4	6.0	6.3	6.8	7.7	6.2	6.3	7.7	7.3	6.7	6.7	6.9
COBRA 2 (IS-AP 9)	7.0	7.1	7.1	8.2	6.7	6.7	6.3	7.8	5.7	6.0	7.0	7.3	6.8	6.0	6.9
BENCHMARK DSR	6.7	6.9	6.5	7.7	6.7	6.2	6.4	8.0	4.9	6.0	8.0	7.3	7.2	6.7	6.8
BENGAL	7.0	7.5	6.9	7.6	6.0	7.0	6.5	7.7	4.8	6.0	7.3	7.2	6.5	6.7	6.8
KINGPIN (9200)	6.3	6.6	6.4	7.6	7.3	6.8	6.3	7.6	4.6	6.0	7.3	7.5	6.9	6.3	6.7
13-M	6.3	7.2	6.9	7.4	6.7	6.3	6.3	7.8	4.2	7.0	7.0	7.1	6.4	6.3	6.7
LS-44	7.0	7.1	6.6	7.6	6.0	6.5	6.3	7.6	4.8	6.0	7.7	7.3	6.3	5.7	6.6
MEMORIAL (A03-EDI)	6.3	6.8	6.6	7.2	6.3	5.8	5.8	7.7	4.3	6.0	7.3	7.4	7.1	6.7	6.6
ALPHA	7.3	7.1	6.8	7.6	6.0	6.5	5.9	7.7	4.0	6.0	6.7	7.1	6.1	6.3	6.5
PENNLINKS II	5.3	6.3	6.5	6.2	5.0	6.2	5.3	6.9	2.8	6.3	6.3	7.3	5.8	4.7	5.9
PENNCROSS	3.7	6.5	6.2	5.9	4.0	5.8	5.3	6.3	1.4	6.3	5.7	6.9	5.3	4.3	5.5
LSD VALUE	0.8	1.2	1.0	1.0	1.1	1.3	1.1	0.5	1.5	0.6	0.8	0.7	1.4	0.9	0.4
C.V. (%)	7.0	10.4	8.8	7.7	10.9	11.5	11.1	3.6	15.5	6.1	6.5	6.0	12.7	8.2	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 10B. LEAF TEXTURE RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004-07 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/														
	AR1	AZ1	IA1	IN1	KY1	ME1	MI1	NC1	NJ1	NY1	OK1	QE1	TX1	TX2	MEAN
TYEE (SRX 1GD)	8.0	7.3	6.9	8.1	8.3	6.5	6.8	8.0	7.7	6.0	8.3	7.4	7.5	8.0	7.4
MACKENZIE (SRX 1GPD)	8.0	7.3	7.6	8.0	7.7	6.7	6.9	8.1	7.7	6.0	7.7	7.1	7.1	7.3	7.4
AUTHORITY (235050)	8.0	7.5	7.8	8.3	7.7	6.2	6.5	7.8	6.6	6.3	7.7	7.5	7.4	7.0	7.3
007 (DSB)	7.7	7.4	7.4	8.0	8.0	5.7	6.8	7.9	7.0	6.3	7.7	7.6	7.0	7.0	7.3
SHARK (23R)	8.0	7.4	7.8	8.0	7.0	6.0	6.6	8.0	6.6	6.0	8.0	7.6	6.6	7.3	7.2
DECLARATION	7.3	6.8	7.0	7.9	7.3	5.8	6.8	7.7	6.2	6.3	8.0	7.2	7.3	7.0	7.0
PENN A-1	7.0	7.3	7.0	7.9	7.0	6.7	6.3	7.9	6.2	6.0	8.0	7.5	6.6	6.7	7.0
T-1	7.7	7.1	6.9	8.0	7.0	6.5	6.6	7.7	5.6	6.3	7.7	7.3	6.8	6.7	7.0
CY-2	7.0	7.3	7.0	7.8	6.7	6.5	6.2	7.9	6.4	6.0	7.3	7.2	6.5	7.0	7.0
INDEPENDENCE	7.3	7.3	6.6	7.4	6.0	6.3	6.8	7.7	6.2	6.3	7.7	7.3	6.7	6.7	6.9
COBRA 2 (IS-AP 9)	7.0	7.1	7.1	8.2	6.7	6.7	6.3	7.8	5.7	6.0	7.0	7.3	6.8	6.0	6.9
BENCHMARK DSR	6.7	6.9	6.5	7.7	6.7	6.2	6.4	8.0	4.9	6.0	8.0	7.3	7.2	6.7	6.8
BENGAL	7.0	7.5	6.9	7.6	6.0	7.0	6.5	7.7	4.8	6.0	7.3	7.2	6.5	6.7	6.8
KINGPIN (9200)	6.3	6.6	6.4	7.6	7.3	6.8	6.3	7.6	4.6	6.0	7.3	7.5	6.9	6.3	6.7
13-M	6.3	7.2	6.9	7.4	6.7	6.3	6.3	7.8	4.2	7.0	7.0	7.1	6.4	6.3	6.7
LS-44	7.0	7.1	6.6	7.6	6.0	6.5	6.3	7.6	4.8	6.0	7.7	7.3	6.3	5.7	6.6
MEMORIAL (A03-EDI)	6.3	6.8	6.6	7.2	6.3	5.8	5.8	7.7	4.3	6.0	7.3	7.4	7.1	6.7	6.6
ALPHA	7.3	7.1	6.8	7.6	6.0	6.5	5.9	7.7	4.0	6.0	6.7	7.1	6.1	6.3	6.5
PENNLINKS II	5.3	6.3	6.5	6.2	5.0	6.2	5.3	6.9	2.8	6.3	6.3	7.3	5.8	4.7	5.9
PENNCROSS	3.7	6.5	6.2	5.9	4.0	5.8	5.3	6.3	1.4	6.3	5.7	6.9	5.3	4.3	5.5
LSD VALUE	0.9	1.2	1.0	1.0	1.2	1.4	1.2	0.5	1.7	0.7	0.9	0.7	1.4	0.9	0.4
C.V. (%)	7.7	10.5	9.1	8.4	10.8	13.9	12.9	4.2	20.0	6.6	7.8	5.9	13.2	8.2	10.5

TABLE 10C. LEAF TEXTURE RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004-07 DATA

NAME	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/													
	AR1	AZ1	IA1	IN1	KY1	ME1	MI1	NC1	NJ1	NY1	OK1	QE1	TX1	MEAN
LEGENDARY	9.0	7.3	8.2	9.0	4.7	8.8	7.6	8.9	8.7	6.0	9	7.8	7.1	7.9
GREENWICH	9.0	7.1	8.2	9.0	4.7	8.7	7.7	9.0	8.4	6.0	9	7.6	7.3	7.9
VILLA (IS-AC 1)	9.0	7.1	8.1	9.0	4.3	8.7	7.8	9.0	9.0	6.0	9	7.8	6.8	7.9
VENUS (EFD)	8.7	7.0	8.1	8.8	4.3	8.7	7.7	9.0	8.6	6.0	9	7.8	6.9	7.8
VESPER	9.0	6.8	7.4	9.0	4.0	8.5	7.4	9.0	8.9	6.3	9	7.8	6.8	7.7
SR 7200	8.0	6.8	6.9	8.5	4.0	8.5	7.3	9.0	8.4	6.0	9	7.7	6.3	7.4
LSD VALUE	0.8	1.1	0.9	0.5	0.8	0.4	0.7	0.1	0.3	0.4	0	0.7	1.2	0.3
C.V. (%)	5.4	9.6	7.5	3.6	10.9	2.8	5.5	0.9	2.6	3.9	0	6.1	10.9	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. SEEDLING VIGOR RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2003-07 DATA

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

NAME	AR1	AZ1	KY1	MI1	NY1	PA1	QE1	MEAN
PENN A-1	6.7	8.3	6.0	7.3	6.0	7.0	4.7	6.6
T-1	4.3	9.0	5.0	6.7	6.3	8.0	6.3	6.5
MEMORIAL (A03-EDI)	5.0	8.7	5.7	7.0	6.0	7.0	6.0	6.5
PENNCROSS	4.3	8.7	6.7	7.0	6.0	8.0	4.0	6.4
PENNLINKS II	4.7	7.7	6.3	7.0	6.3	7.3	5.0	6.3
13-M	4.0	8.3	6.3	7.0	6.3	7.0	3.7	6.1
007 (DSB)	4.0	8.0	5.7	7.0	6.0	6.7	5.0	6.0
AUTHORITY (235050)	6.3	7.7	5.7	6.7	6.3	6.0	3.7	6.0
DECLARATION	4.7	8.3	5.7	7.0	6.3	7.0	3.3	6.0
ALPHA	4.3	7.7	6.3	7.3	6.0	7.7	3.0	6.0
INDEPENDENCE	3.7	8.7	5.3	7.0	6.7	6.7	4.0	6.0
LEGENDARY	3.0	7.7	5.0	7.3	6.3	7.0	5.7	6.0
LS-44	5.3	7.7	5.3	7.0	6.0	7.0	3.3	6.0
COBRA 2 (IS-AP 9)	4.7	7.3	5.7	7.0	6.0	6.7	4.0	5.9
SHARK (23R)	3.7	7.0	5.0	7.0	6.0	7.0	4.7	5.8
BENCHMARK DSR	4.3	8.7	4.0	7.0	6.7	6.3	3.0	5.7
TYEE (SRX 1GD)	4.0	8.3	5.0	6.7	6.3	6.0	3.3	5.7
BENGAL	4.7	7.3	5.0	7.0	6.0	7.0	2.3	5.6
CY-2	3.0	8.7	4.0	7.0	6.0	6.3	4.3	5.6
VILLA (IS-AC 1)	2.3	6.7	5.3	6.0	6.0	8.0	4.7	5.6
MACKENZIE (SRX 1GPD)	4.0	8.0	4.7	6.7	6.0	6.0	3.0	5.5
KINGPIN (9200)	5.0	7.7	3.3	6.3	6.0	5.7	4.0	5.4
GREENWICH	2.7	7.0	4.3	6.7	6.0	7.0	3.3	5.3
VENUS (EFD)	2.7	7.0	3.7	5.7	6.0	5.7	2.7	4.8
VESPER	2.3	6.0	4.7	5.7	6.0	6.0	2.0	4.7
SR 7200	1.7	5.0	3.0	7.0	6.0	3.7	4.3	4.4
LSD VALUE	2.5	1.8	1.7	1.1	0.5	0.7	3.6	0.7
C.V. (%)	39.0	14.1	20.6	9.8	5.5	6.8	55.6	21.1

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

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

TABLE 11B. SEEDLING VIGOR RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2003-07 DATA

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

NAME	AR1	AZ1	KY1	MI1	NY1	PA1	QE1	MEAN
PENN A-1	6.7	8.3	6.0	7.3	6.0	7.0	4.7	6.6
T-1	4.3	9.0	5.0	6.7	6.3	8.0	6.3	6.5
MEMORIAL (A03-EDI)	5.0	8.7	5.7	7.0	6.0	7.0	6.0	6.5
PENNCROSS	4.3	8.7	6.7	7.0	6.0	8.0	4.0	6.4
PENNLINKS II	4.7	7.7	6.3	7.0	6.3	7.3	5.0	6.3
13-M	4.0	8.3	6.3	7.0	6.3	7.0	3.7	6.1
007 (DSB)	4.0	8.0	5.7	7.0	6.0	6.7	5.0	6.0
AUTHORITY (235050)	6.3	7.7	5.7	6.7	6.3	6.0	3.7	6.0
DECLARATION	4.7	8.3	5.7	7.0	6.3	7.0	3.3	6.0
ALPHA	4.3	7.7	6.3	7.3	6.0	7.7	3.0	6.0
INDEPENDENCE	3.7	8.7	5.3	7.0	6.7	6.7	4.0	6.0
LS-44	5.3	7.7	5.3	7.0	6.0	7.0	3.3	6.0
COBRA 2 (IS-AP 9)	4.7	7.3	5.7	7.0	6.0	6.7	4.0	5.9
SHARK (23R)	3.7	7.0	5.0	7.0	6.0	7.0	4.7	5.8
BENCHMARK DSR	4.3	8.7	4.0	7.0	6.7	6.3	3.0	5.7
TYEE (SRX 1GD)	4.0	8.3	5.0	6.7	6.3	6.0	3.3	5.7
BENGAL	4.7	7.3	5.0	7.0	6.0	7.0	2.3	5.6
CY-2	3.0	8.7	4.0	7.0	6.0	6.3	4.3	5.6
MACKENZIE (SRX 1GPD)	4.0	8.0	4.7	6.7	6.0	6.0	3.0	5.5
KINGPIN (9200)	5.0	7.7	3.3	6.3	6.0	5.7	4.0	5.4
LSD VALUE	2.8	1.7	1.8	0.7	0.6	0.8	3.6	0.8
C.V. (%)	38.0	13.1	20.7	5.9	5.9	7.1	55.8	20.8

TABLE 11C. SEEDLING VIGOR RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2003-07 DATA

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

NAME	AR1	AZ1	KY1	MI1	NY1	PA1	QE1	MEAN
LEGENDARY	3.0	7.7	5.0	7.3	6.3	7.0	5.7	6.0
VILLA (IS-AC 1)	2.3	6.7	5.3	6.0	6.0	8.0	4.7	5.6
GREENWICH	2.7	7.0	4.3	6.7	6.0	7.0	3.3	5.3
VENUS (EFD)	2.7	7.0	3.7	5.7	6.0	5.7	2.7	4.8
VESPER	2.3	6.0	4.7	5.7	6.0	6.0	2.0	4.7
SR 7200	1.7	5.0	3.0	7.0	6.0	3.7	4.3	4.4
LSD VALUE	1.6	1.9	1.4	1.9	0.4	0.5	3.3	0.7
C.V. (%)	39.8	18.3	19.6	18.4	3.9	5.4	54.7	22.1

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 12A. SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004-07 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/										
	AR1	AZ1	MI1	NC1	NE1	PA1	QE1	TX1	VA1	WI1	MEAN
TYEE (SRX 1GD)	8.3	7.4	6.3	6.7	8.6	8.7	8.0	6.5	4.7	8.0	7.3
SHARK (23R)	7.8	7.5	6.2	7.3	8.7	8.7	7.9	6.3	4.0	8.3	7.2
DECLARATION	7.3	7.3	6.3	7.0	8.6	7.7	7.9	6.4	6.3	8.0	7.2
AUTHORITY (235050)	7.5	7.3	6.4	7.3	8.4	8.3	8.1	6.3	4.0	7.7	7.2
T-1	7.5	7.8	6.2	7.3	8.9	7.0	7.8	6.2	6.0	6.0	7.2
007 (DSB)	7.7	7.8	6.0	7.0	7.8	8.0	8.0	6.5	5.0	8.3	7.2
COBRA 2 (IS-AP 9)	7.5	7.5	5.5	7.3	9.0	7.3	8.1	6.3	5.7	7.3	7.1
MEMORIAL (A03-EDI)	7.0	7.3	5.8	7.0	8.6	6.3	7.8	6.7	6.7	7.3	7.1
CY-2	7.8	7.6	5.5	7.7	8.4	6.3	8.0	6.5	5.3	8.3	7.1
MACKENZIE (SRX 1GPD)	7.7	7.3	6.3	6.7	8.6	8.3	8.0	6.5	4.0	7.3	7.1
BENCHMARK DSR	7.2	7.0	6.3	7.7	8.6	6.3	7.9	6.4	5.3	7.0	7.1
GREENWICH	8.5	7.1	6.5	8.0	8.0	8.3	8.3	5.6	4.7	7.7	7.0
13-M	7.2	6.9	6.2	7.0	8.8	5.7	7.9	6.4	6.0	7.7	7.0
INDEPENDENCE	7.2	7.7	6.0	6.7	8.1	7.0	8.0	6.3	4.7	7.0	7.0
LEGENDARY	8.7	6.8	6.8	8.0	7.8	8.3	8.0	5.7	4.3	8.0	7.0
BENGAL	6.8	7.4	5.8	7.0	8.4	6.7	7.7	6.5	4.3	6.7	7.0
PENN A-1	7.2	7.4	5.8	6.7	7.9	7.3	8.0	6.2	4.7	7.0	7.0
VILLA (IS-AC 1)	8.8	6.8	6.0	8.0	7.8	8.3	8.3	5.9	4.7	8.3	7.0
LS-44	7.2	7.3	5.6	7.3	8.7	5.7	8.2	6.3	4.7	6.7	6.9
ALPHA	7.2	7.2	5.6	7.0	8.9	6.7	8.0	6.1	6.0	5.3	6.9
KINGPIN (9200)	6.7	6.8	5.5	7.0	8.9	6.7	7.9	6.4	6.3	7.0	6.9
VENUS (EFD)	8.8	6.7	6.0	8.0	7.7	8.0	8.3	5.6	5.3	7.7	6.8
VESPER	8.5	6.5	6.3	7.7	7.6	7.7	8.4	5.7	3.7	7.7	6.8
SR 7200	7.8	6.8	4.8	8.0	8.0	7.7	8.0	6.1	5.0	6.3	6.7
PENNLINKS II	5.5	6.8	4.2	6.3	8.8	5.0	8.0	6.3	6.3	5.7	6.5
PENNCROSS	5.3	6.7	4.8	5.7	8.6	4.0	7.9	5.8	7.0	4.3	6.3
LSD VALUE	0.8	1.4	1.4	0.9	1.0	0.9	0.6	1.2	1.7	1.2	0.5
C.V. (%)	6.6	12.0	15.2	7.5	7.1	7.6	5.1	12.2	20.3	10.2	10.4

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

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



TABLE 12B.

SPRING DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004-07 DATA

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

NAME	AR1	AZ1	MI1	NC1	NE1	PA1	QE1	TX1	VA1	WI1	MEAN
TYEE (SRX 1GD)	8.3	7.4	6.3	6.7	8.6	8.7	8.0	6.5	4.7	8.0	7.3
SHARK (23R)	7.8	7.5	6.2	7.3	8.7	8.7	7.9	6.3	4.0	8.3	7.2
DECLARATION	7.3	7.3	6.3	7.0	8.6	7.7	7.9	6.4	6.3	8.0	7.2
AUTHORITY (235050)	7.5	7.3	6.4	7.3	8.4	8.3	8.1	6.3	4.0	7.7	7.2
T-1	7.5	7.8	6.2	7.3	8.9	7.0	7.8	6.2	6.0	6.0	7.2
007 (DSB)	7.7	7.8	6.0	7.0	7.8	8.0	8.0	6.5	5.0	8.3	7.2
COBRA 2 (IS-AP 9)	7.5	7.5	5.5	7.3	9.0	7.3	8.1	6.3	5.7	7.3	7.1
MEMORIAL (A03-EDI)	7.0	7.3	5.8	7.0	8.6	6.3	7.8	6.7	6.7	7.3	7.1
CY-2	7.8	7.6	5.5	7.7	8.4	6.3	8.0	6.5	5.3	8.3	7.1
MACKENZIE (SRX 1GPD)	7.7	7.3	6.3	6.7	8.6	8.3	8.0	6.5	4.0	7.3	7.1
BENCHMARK DSR	7.2	7.0	6.3	7.7	8.6	6.3	7.9	6.4	5.3	7.0	7.1
13-M	7.2	6.9	6.2	7.0	8.8	5.7	7.9	6.4	6.0	7.7	7.0
INDEPENDENCE	7.2	7.7	6.0	6.7	8.1	7.0	8.0	6.3	4.7	7.0	7.0
BENGAL	6.8	7.4	5.8	7.0	8.4	6.7	7.7	6.5	4.3	6.7	7.0
PENN A-1	7.2	7.4	5.8	6.7	7.9	7.3	8.0	6.2	4.7	7.0	7.0
LS-44	7.2	7.3	5.6	7.3	8.7	5.7	8.2	6.3	4.7	6.7	6.9
ALPHA	7.2	7.2	5.6	7.0	8.9	6.7	8.0	6.1	6.0	5.3	6.9
KINGPIN (9200)	6.7	6.8	5.5	7.0	8.9	6.7	7.9	6.4	6.3	7.0	6.9
PENNLINKS II	5.5	6.8	4.2	6.3	8.8	5.0	8.0	6.3	6.3	5.7	6.5
PENNCROSS	5.3	6.7	4.8	5.7	8.6	4.0	7.9	5.8	7.0	4.3	6.3
LSD VALUE	0.8	1.3	1.5	1.0	0.9	0.8	0.6	1.2	1.8	1.3	0.5
C.V. (%)	7.2	11.4	16.3	8.7	6.5	7.3	5.2	11.9	20.5	11.1	10.4

TABLE 12C.

SPRING DENSITY RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004-07 DATA

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

NAME	AR1	AZ1	MI1	NC1	NE1	PA1	QE1	TX1	VA1	WI1	MEAN
GREENWICH	8.5	7.1	6.5	8.0	8.0	8.3	8.3	5.6	4.7	7.7	7.0
LEGENDARY	8.7	6.8	6.8	8.0	7.8	8.3	8.0	5.7	4.3	8.0	7.0
VILLA (IS-AC 1)	8.8	6.8	6.0	8.0	7.8	8.3	8.3	5.9	4.7	8.3	7.0
VENUS (EFD)	8.8	6.7	6.0	8.0	7.7	8.0	8.3	5.6	5.3	7.7	6.8
VESPER	8.5	6.5	6.3	7.7	7.6	7.7	8.4	5.7	3.7	7.7	6.8
SR 7200	7.8	6.8	4.8	8.0	8.0	7.7	8.0	6.1	5.0	6.3	6.7
LSD VALUE	0.7	1.5	1.1	0.4	1.0	1.1	0.5	1.2	1.4	0.8	0.5
C.V. (%)	5.1	14.1	11.7	3.0	8.6	8.3	4.0	13.4	19.1	6.9	10.4

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

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

TABLE 13A.

SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004-07 DATA

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

NAME	AZ1	IL1	IN1	KY1	ME1	MI1	MN1	NC1	NE1	NM1	OK1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
TYEE (SRX 1GD)	7.4	8.3	8.4	6.3	5.0	6.7	7.2	6.3	8.8	8.7	7.9	8.6	7.9	4.8	6.4	7.5	7.5	7.9	7.5
SHARK (23R)	7.5	8.0	8.1	7.0	6.0	6.7	7.5	6.4	8.5	8.8	7.7	8.4	8.2	5.3	5.9	7.4	8.0	7.8	7.5
MACKENZIE (SRX 1GPD)	7.3	8.1	8.8	7.0	6.0	6.8	6.8	6.6	8.3	8.8	7.3	8.5	8.3	5.8	6.4	7.5	7.2	6.9	7.5
AUTHORITY (235050)	7.3	7.6	7.9	8.0	6.7	6.2	8.2	6.3	8.8	7.2	7.7	7.9	8.2	5.5	6.0	6.7	7.7	7.8	7.3
007 (DSB)	7.4	7.9	8.3	8.0	6.3	5.2	7.8	6.1	8.3	8.7	7.0	7.8	8.2	4.3	6.1	7.3	7.5	7.9	7.3
CY-2	7.3	7.9	7.9	8.0	6.7	5.7	7.7	6.7	8.8	7.8	7.6	7.3	8.1	6.0	6.5	6.3	7.0	7.0	7.3
DECLARATION	7.6	7.9	8.1	7.7	6.7	6.0	7.2	6.3	8.5	8.8	6.9	7.3	8.0	4.8	6.5	6.4	7.3	7.7	7.3
INDEPENDENCE	7.5	7.2	7.8	6.7	7.0	5.8	7.3	6.3	8.6	8.8	6.7	7.1	8.0	6.2	6.5	6.7	7.0	7.7	7.2
T-1	7.8	7.6	7.9	6.3	6.7	6.0	7.8	6.2	8.9	8.3	6.2	6.8	8.1	6.0	6.3	6.6	7.0	6.9	7.1
KINGPIN (9200)	6.9	7.3	8.3	8.3	6.7	5.8	7.5	6.3	8.8	7.7	6.4	6.9	8.0	6.8	6.2	6.6	7.2	6.9	7.1
COBRA 2 (IS-AP 9)	7.1	7.2	7.7	8.3	7.0	5.7	7.7	6.4	8.9	7.2	6.6	7.3	8.2	5.7	6.1	6.8	7.2	6.8	7.1
MEMORIAL (A03-EDI)	7.3	7.0	7.7	7.7	5.0	6.0	7.5	6.8	8.8	8.5	6.8	6.3	8.2	6.8	6.3	6.2	7.0	7.0	7.1
BENCHMARK DSR	6.8	7.2	8.1	6.3	5.0	6.2	7.2	6.5	8.7	8.2	6.8	6.8	8.2	5.8	6.4	6.6	7.5	6.7	7.0
PENN A-1	6.8	7.1	8.0	7.7	6.3	5.0	7.8	6.4	8.5	6.2	7.3	7.7	8.0	5.3	6.2	6.3	7.3	7.2	7.0
LS-44	7.6	7.3	7.4	6.3	6.7	5.8	7.5	6.2	8.8	7.3	7.3	6.5	7.9	6.0	5.9	5.7	6.7	7.4	7.0
BENGAL	8.0	7.1	7.8	5.3	5.7	6.0	7.2	6.0	8.7	6.8	7.3	6.8	8.1	6.0	6.2	6.1	6.5	6.8	7.0
13-M	7.4	6.4	7.4	7.0	7.3	6.2	7.2	6.2	8.8	7.8	6.4	6.2	8.0	7.2	6.4	6.0	6.5	7.3	6.9
ALPHA	6.7	6.9	7.7	6.7	6.3	4.7	7.2	6.3	9.0	8.5	6.2	6.7	8.2	5.8	6.2	6.3	7.3	7.0	6.9
LEGENDARY	7.3	7.5	8.3	6.0	7.7	7.3	5.5	8.0	6.7	8.7	4.8	6.6	8.4	5.7	5.7	6.9	4.8	7.8	6.9
VENUS (EFD)	6.5	8.3	7.8	5.7	8.0	6.5	5.7	7.8	7.2	6.3	4.6	6.5	8.7	5.3	6.0	6.9	4.7	8.3	6.8
VILLA (IS-AC 1)	6.8	7.9	8.0	5.3	7.7	6.8	5.5	7.7	7.9	4.5	4.9	6.2	8.6	5.7	6.0	6.9	5.2	7.6	6.8
GREENWICH	7.3	7.7	7.8	5.7	7.7	6.8	5.5	7.7	7.3	7.5	5.0	5.9	8.7	5.2	5.8	7.4	4.7	6.8	6.8
VESPER	6.8	7.3	7.8	6.0	8.0	6.5	5.5	7.5	7.3	6.5	4.1	5.6	8.7	5.0	5.9	6.9	4.3	6.2	6.5
SR 7200	7.2	6.5	8.0	4.7	7.7	5.5	5.3	7.3	8.1	3.7	3.8	5.4	8.6	5.7	6.4	6.5	4.5	5.7	6.3
PENNLINKS II	6.8	5.1	6.1	7.0	6.7	4.5	6.0	5.8	8.6	8.8	5.6	5.0	8.1	7.8	6.5	4.4	5.8	6.6	6.3
PENNCROSS	6.9	4.3	5.4	3.7	4.3	4.5	5.7	5.4	8.9	8.5	4.9	4.5	7.0	7.3	5.8	3.9	4.7	6.1	5.7
LSD VALUE	1.5	1.2	1.1	1.4	1.6	1.9	0.8	1.2	1.3	2.9	1.4	1.0	0.7	1.3	1.0	1.1	1.5	1.7	0.4
C.V. (%)	12.8	10.1	8.5	13.1	15.1	19.3	8.4	12.2	9.7	24.0	13.8	9.2	5.6	13.7	10.6	10.5	14.0	15.3	12.3

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

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

TABLE 13B. Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 SUMMER DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004-07 DATA

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

NAME	AZ1	IL1	IN1	KY1	ME1	MI1	MN1	NC1	NE1	NM1	OK1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
TYEE (SRX 1GD)	7.4	8.3	8.4	6.3	5.0	6.7	7.2	6.3	8.8	8.7	7.9	8.6	7.9	4.8	6.4	7.5	7.5	7.9	7.5
SHARK (23R)	7.5	8.0	8.1	7.0	6.0	6.7	7.5	6.4	8.5	8.8	7.7	8.4	8.2	5.3	5.9	7.4	8.0	7.8	7.5
MACKENZIE (SRX 1GPD)	7.3	8.1	8.8	7.0	6.0	6.8	6.8	6.6	8.3	8.8	7.3	8.5	8.3	5.8	6.4	7.5	7.2	6.9	7.5
AUTHORITY (235050)	7.3	7.6	7.9	8.0	6.7	6.2	8.2	6.3	8.8	7.2	7.7	7.9	8.2	5.5	6.0	6.7	7.7	7.8	7.3
007 (DSB)	7.4	7.9	8.3	8.0	6.3	5.2	7.8	6.1	8.3	8.7	7.0	7.8	8.2	4.3	6.1	7.3	7.5	7.9	7.3
CY-2	7.3	7.9	7.9	8.0	6.7	5.7	7.7	6.7	8.8	7.8	7.6	7.3	8.1	6.0	6.5	6.3	7.0	7.0	7.3
DECLARATION	7.6	7.9	8.1	7.7	6.7	6.0	7.2	6.3	8.5	8.8	6.9	7.3	8.0	4.8	6.5	6.4	7.3	7.7	7.3
INDEPENDENCE	7.5	7.2	7.8	6.7	7.0	5.8	7.3	6.3	8.6	8.8	6.7	7.1	8.0	6.2	6.5	6.7	7.0	7.7	7.2
T-1	7.8	7.6	7.9	6.3	6.7	6.0	7.8	6.2	8.9	8.3	6.2	6.8	8.1	6.0	6.3	6.6	7.0	6.9	7.1
KINGPIN (9200)	6.9	7.3	8.3	8.3	6.7	5.8	7.5	6.3	8.8	7.7	6.4	6.9	8.0	6.8	6.2	6.6	7.2	6.9	7.1
COBRA 2 (IS-AP 9)	7.1	7.2	7.7	8.3	7.0	5.7	7.7	6.4	8.9	7.2	6.6	7.3	8.2	5.7	6.1	6.8	7.2	6.8	7.1
MEMORIAL (A03-EDI)	7.3	7.0	7.7	7.7	5.0	6.0	7.5	6.8	8.8	8.5	6.8	6.3	8.2	6.8	6.3	6.2	7.0	7.0	7.1
BENCHMARK DSR	6.8	7.2	8.1	6.3	5.0	6.2	7.2	6.5	8.7	8.2	6.8	6.8	8.2	5.8	6.4	6.6	7.5	6.7	7.0
PENN A-1	6.8	7.1	8.0	7.7	6.3	5.0	7.8	6.4	8.5	6.2	7.3	7.7	8.0	5.3	6.2	6.3	7.3	7.2	7.0
LS-44	7.6	7.3	7.4	6.3	6.7	5.8	7.5	6.2	8.8	7.3	7.3	6.5	7.9	6.0	5.9	5.7	6.7	7.4	7.0
BENGAL	8.0	7.1	7.8	5.3	5.7	6.0	7.2	6.0	8.7	6.8	7.3	6.8	8.1	6.0	6.2	6.1	6.5	6.8	7.0
13-M	7.4	6.4	7.4	7.0	7.3	6.2	7.2	6.2	8.8	7.8	6.4	6.2	8.0	7.2	6.4	6.0	6.5	7.3	6.9
ALPHA	6.7	6.9	7.7	6.7	6.3	4.7	7.2	6.3	9.0	8.5	6.2	6.7	8.2	5.8	6.2	6.3	7.3	7.0	6.9
PENNLINKS II	6.8	5.1	6.1	7.0	6.7	4.5	6.0	5.8	8.6	8.8	5.6	5.0	8.1	7.8	6.5	4.4	5.8	6.6	6.3
PENNCROSS	6.9	4.3	5.4	3.7	4.3	4.5	5.7	5.4	8.9	8.5	4.9	4.5	7.0	7.3	5.8	3.9	4.7	6.1	5.7
LSD VALUE	1.6	1.2	1.1	1.4	1.7	1.9	0.9	1.3	0.8	2.2	1.5	0.9	0.8	1.2	1.1	1.1	1.5	1.7	0.4
C.V. (%)	12.8	10.1	9.1	12.2	17.4	20.6	8.1	13.1	5.6	16.6	13.4	8.1	5.8	12.9	10.5	10.7	13.4	15.3	11.6

TABLE 13C. SUMMER DENSITY RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004-07 DATA

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

NAME	AZ1	IL1	IN1	KY1	ME1	MI1	MN1	NC1	NE1	NM1	OK1	PA1	QE1	SD1	TX1	UT1	VA1	WI1	MEAN
LEGENDARY	7.3	7.5	8.3	6.0	7.7	7.3	5.5	8.0	6.7	8.7	4.8	6.6	8.4	5.7	5.7	6.9	4.8	7.8	6.9
VENUS (EFD)	6.5	8.3	7.8	5.7	8.0	6.5	5.7	7.8	7.2	6.3	4.6	6.5	8.7	5.3	6.0	6.9	4.7	8.3	6.8
VILLA (IS-AC 1)	6.8	7.9	8.0	5.3	7.7	6.8	5.5	7.7	7.9	4.5	4.9	6.2	8.6	5.7	6.0	6.9	5.2	7.6	6.8
GREENWICH	7.3	7.7	7.8	5.7	7.7	6.8	5.5	7.7	7.3	7.5	5.0	5.9	8.7	5.2	5.8	7.4	4.7	6.8	6.8
VESPER	6.8	7.3	7.8	6.0	8.0	6.5	5.5	7.5	7.3	6.5	4.1	5.6	8.7	5.0	5.9	6.9	4.3	6.2	6.5
SR 7200	7.2	6.5	8.0	4.7	7.7	5.5	5.3	7.3	8.1	3.7	3.8	5.4	8.6	5.7	6.4	6.5	4.5	5.7	6.3
LSD VALUE	1.5	1.1	0.7	1.5	1.0	1.6	0.3	1.0	1.8	4.7	1.0	1.0	0.5	1.4	1.0	0.9	1.3	1.7	0.4
C.V. (%)	12.9	9.6	5.4	17.0	8.0	15.8	8.3	8.6	27.8	47.5	14.1	16.0	4.0	16.3	10.4	9.5	16.7	15.0	14.1

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

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

TABLE 14A.

FALL DENSITY RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004-07 DATA

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

NAME	AR1	AZ1	IN1	MI1	MN1	NC1	NE1	NJ1	QE1	TX1	TX2	VA1	MEAN
VILLA (IS-AC 1)	9.0	7.0	9.0	6.8	7.7	8.0	7.5	8.2	8.8	6.7	.	6.8	7.7
TYEE (SRX 1GD)	8.0	7.4	8.7	7.3	6.8	7.0	7.0	7.8	8.4	6.8	8.0	7.8	7.5
LEGENDARY	8.3	7.2	9.0	6.8	7.3	8.0	7.4	7.5	8.8	6.5	.	6.2	7.4
MACKENZIE (SRX 1GPD)	7.8	7.2	8.2	7.3	5.7	7.0	7.6	7.3	8.5	6.9	7.3	7.7	7.4
VESPER	8.5	6.9	9.0	6.5	7.7	8.0	7.4	7.3	8.8	6.8	.	5.8	7.4
VENUS (EFD)	8.5	6.3	9.0	6.8	7.3	8.0	7.4	7.1	8.5	6.4	.	6.3	7.3
GREENWICH	8.3	6.9	9.0	6.7	7.5	8.0	6.8	7.3	8.8	6.2	.	6.5	7.3
SHARK (23R)	7.7	6.2	8.3	6.8	7.0	7.0	7.8	7.1	8.3	6.8	7.7	7.2	7.3
AUTHORITY (235050)	7.5	6.6	8.2	7.0	6.5	7.0	8.2	5.9	8.3	6.8	7.3	7.7	7.2
SR 7200	8.0	6.7	8.7	6.0	7.0	8.0	7.0	7.1	8.5	6.5	.	6.5	7.1
CY-2	7.0	7.0	7.7	6.4	4.8	7.0	7.5	6.8	8.5	6.7	7.7	7.5	7.1
BENGAL	7.2	7.6	7.7	6.3	5.7	7.0	8.1	5.8	8.3	6.8	7.0	7.0	7.1
T-1	7.3	7.8	8.2	6.7	7.2	7.0	8.1	5.1	8.2	6.3	7.7	6.7	7.1
INDEPENDENCE	7.5	7.1	7.3	6.8	6.2	7.0	7.7	6.0	8.3	6.4	7.3	6.5	7.0
PENN A-1	7.3	6.7	8.0	6.5	6.5	7.0	7.6	6.3	8.3	6.7	7.0	6.8	7.0
007 (DSB)	7.2	6.7	8.0	6.3	6.6	7.0	7.2	6.3	8.4	6.5	7.3	7.3	7.0
DECLARATION	7.0	6.7	7.8	6.6	5.8	7.0	7.1	6.5	8.3	6.6	7.0	7.0	6.9
MEMORIAL (A03-EDI)	6.7	7.2	7.7	6.3	5.5	7.0	8.6	4.3	8.3	7.0	7.0	7.2	6.9
LS-44	6.8	7.3	7.8	6.6	6.2	7.0	8.3	4.6	8.3	6.6	6.0	6.3	6.9
COBRA 2 (IS-AP 9)	7.3	6.9	7.5	6.6	5.8	7.0	7.8	4.9	8.2	6.8	6.7	6.3	6.8
13-M	6.8	7.4	7.0	5.8	6.3	7.0	8.2	4.6	8.2	6.8	6.7	7.3	6.8
BENCHMARK DSR	7.0	7.0	8.2	6.5	5.7	7.0	7.5	4.6	8.2	6.5	6.7	6.3	6.7
KINGPIN (9200)	6.8	7.1	7.8	6.6	5.4	7.0	8.1	4.0	8.2	6.6	6.7	6.3	6.7
ALPHA	6.7	6.8	7.3	6.0	6.5	7.0	8.5	4.2	8.3	6.1	7.3	6.5	6.7
PENNLINKS II	5.2	6.6	6.3	5.2	4.8	6.0	8.7	2.7	8.2	7.0	5.7	5.3	6.1
PENNCROSS	4.2	7.0	5.2	5.6	3.7	6.3	8.5	1.3	7.7	6.3	5.3	5.0	5.7
LSD VALUE	1.0	1.5	0.8	1.2	1.6	0.2	1.6	1.6	0.5	1.0	0.9	1.6	0.5
C.V. (%)	8.4	13.3	9.3	11.9	15.4	1.6	16.1	18.1	4.0	9.0	8.3	14.6	11.7

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

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

GROWN ON A GREEN 1/  
 2004-07 DATA

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

NAME	AR1	AZ1	IN1	MI1	MN1	NC1	NE1	NJ1	QE1	TX1	TX2	VA1	MEAN
TYEE (SRX 1GD)	8.0	7.4	8.7	7.3	6.8	7.0	7.0	7.8	8.4	6.8	8.0	7.8	7.5
MACKENZIE (SRX 1GPD)	7.8	7.2	8.2	7.3	5.7	7.0	7.6	7.3	8.5	6.9	7.3	7.7	7.4
SHARK (23R)	7.7	6.2	8.3	6.8	7.0	7.0	7.8	7.1	8.3	6.8	7.7	7.2	7.3
AUTHORITY (235050)	7.5	6.6	8.2	7.0	6.5	7.0	8.2	5.9	8.3	6.8	7.3	7.7	7.2
CY-2	7.0	7.0	7.7	6.4	4.8	7.0	7.5	6.8	8.5	6.7	7.7	7.5	7.1
BENGAL	7.2	7.6	7.7	6.3	5.7	7.0	8.1	5.8	8.3	6.8	7.0	7.0	7.1
T-1	7.3	7.8	8.2	6.7	7.2	7.0	8.1	5.1	8.2	6.3	7.7	6.7	7.1
INDEPENDENCE	7.5	7.1	7.3	6.8	6.2	7.0	7.7	6.0	8.3	6.4	7.3	6.5	7.0
PENN A-1	7.3	6.7	8.0	6.5	6.5	7.0	7.6	6.3	8.3	6.7	7.0	6.8	7.0
007 (DSB)	7.2	6.7	8.0	6.3	6.6	7.0	7.2	6.3	8.4	6.5	7.3	7.3	7.0
DECLARATION	7.0	6.7	7.8	6.6	5.8	7.0	7.1	6.5	8.3	6.6	7.0	7.0	6.9
MEMORIAL (A03-EDI)	6.7	7.2	7.7	6.3	5.5	7.0	8.6	4.3	8.3	7.0	7.0	7.2	6.9
LS-44	6.8	7.3	7.8	6.6	6.2	7.0	8.3	4.6	8.3	6.6	6.0	6.3	6.9
COBRA 2 (IS-AP 9)	7.3	6.9	7.5	6.6	5.8	7.0	7.8	4.9	8.2	6.8	6.7	6.3	6.8
13-M	6.8	7.4	7.0	5.8	6.3	7.0	8.2	4.6	8.2	6.8	6.7	7.3	6.8
BENCHMARK DSR	7.0	7.0	8.2	6.5	5.7	7.0	7.5	4.6	8.2	6.5	6.7	6.3	6.7
KINGPIN (9200)	6.8	7.1	7.8	6.6	5.4	7.0	8.1	4.0	8.2	6.6	6.7	6.3	6.7
ALPHA	6.7	6.8	7.3	6.0	6.5	7.0	8.5	4.2	8.3	6.1	7.3	6.5	6.7
PENNLINKS II	5.2	6.6	6.3	5.2	4.8	6.0	8.7	2.7	8.2	7.0	5.7	5.3	6.1
PENNCROSS	4.2	7.0	5.2	5.6	3.7	6.3	8.5	1.3	7.7	6.3	5.3	5.0	5.7
LSD VALUE	1.0	1.5	0.9	1.3	1.8	0.2	1.6	1.6	0.5	1.0	0.9	1.5	0.5
C.V. (%)	9.0	13.6	10.7	12.5	17.8	1.9	16.3	19.7	4.3	9.5	8.3	13.4	12.2

TABLE 14C. FALL DENSITY RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004-07 DATA

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

NAME	AR1	AZ1	IN1	MI1	MN1	NC1	NE1	NJ1	QE1	TX1	VA1	MEAN
VILLA (IS-AC 1)	9.0	7.0	9.0	6.8	7.7	8	7.5	8.2	8.8	6.7	6.8	7.7
LEGENDARY	8.3	7.2	9.0	6.8	7.3	8	7.4	7.5	8.8	6.5	6.2	7.4
VESPER	8.5	6.9	9.0	6.5	7.7	8	7.4	7.3	8.8	6.8	5.8	7.4
VENUS (EFD)	8.5	6.3	9.0	6.8	7.3	8	7.4	7.1	8.5	6.4	6.3	7.3
GREENWICH	8.3	6.9	9.0	6.7	7.5	8	6.8	7.3	8.8	6.2	6.5	7.3
SR 7200	8.0	6.7	8.7	6.0	7.0	8	7.0	7.1	8.5	6.5	6.5	7.1
LSD VALUE	0.9	1.3	0.4	0.9	0.8	0	1.6	1.3	0.3	0.7	1.9	0.4
C.V. (%)	6.5	12.2	3.7	9.3	6.8	0	15.6	13.8	2.4	7.0	18.5	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 15A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN 1/ 2004-07 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/						
NAME	AZ1	KY1	MI1	OK1	WI1	MEAN
LS-44	95.7	96.3	93.7	95.5	84.0	94.3
BENGAL	94.8	97.0	93.5	96.0	83.3	94.0
CY-2	94.2	97.7	93.3	97.2	87.3	94.0
MEMORIAL (A03-EDI)	95.2	96.3	92.6	95.5	85.0	93.9
T-1	94.6	99.0	91.4	93.2	88.3	93.3
13-M	90.2	97.0	95.4	96.7	88.3	93.1
007 (DSB)	89.3	98.3	94.4	95.3	88.3	92.2
PENNCROSS	94.5	97.3	91.4	92.5	79.0	92.2
INDEPENDENCE	90.3	97.7	94.0	93.0	89.0	92.1
ALPHA	96.3	99.0	85.8	95.3	91.7	92.0
SHARK (23R)	87.8	97.7	94.4	96.5	85.7	92.0
MACKENZIE (SRX 1GPD)	88.8	97.3	93.3	95.8	83.3	91.8
BENCHMARK DSR	91.3	95.3	92.8	94.5	80.0	91.7
DECLARATION	85.8	97.3	95.4	96.5	91.7	91.7
AUTHORITY (235050)	86.0	94.3	93.8	97.2	85.7	90.9
PENN A-1	89.1	97.0	91.1	97.5	85.7	90.8
KINGPIN (9200)	89.6	91.7	88.8	96.0	81.7	90.3
COBRA 2 (IS-AP 9)	89.8	67.0	91.5	94.8	81.7	89.3
TYEE (SRX 1GD)	84.2	93.0	90.2	98.0	83.3	89.2
PENNLINKS II	88.5	97.7	86.7	94.5	80.0	88.8
GREENWICH	90.8	99.0	87.7	55.2	77.3	83.4
VILLA (IS-AC 1)	93.8	97.7	84.9	53.3	75.0	83.3
SR 7200	91.8	95.3	84.7	51.8	73.3	81.9
LEGENDARY	90.3	98.7	85.4	53.3	76.7	81.1
VENUS (EFD)	87.3	98.7	78.8	51.3	75.0	78.3
VESPER	91.4	99.0	77.2	51.5	75.0	78.0
LSD VALUE	10.2	16.3	10.7	3.2	10.9	6.7
C.V. (%)	7.4	10.5	7.6	2.5	8.2	7.8

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

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

Taken from the 2003 Bentgrass (Greens) final report with permission from NTEP  
 TABLE 15B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF CREEPING BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004-07 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	KY1	MI1	OK1	WI1	MEAN
LS-44	95.7	96.3	93.7	95.5	84.0	94.3
BENGAL	94.8	97.0	93.5	96.0	83.3	94.0
CY-2	94.2	97.7	93.3	97.2	87.3	94.0
MEMORIAL (A03-EDI)	95.2	96.3	92.6	95.5	85.0	93.9
T-1	94.6	99.0	91.4	93.2	88.3	93.3
13-M	90.2	97.0	95.4	96.7	88.3	93.1
007 (DSB)	89.3	98.3	94.4	95.3	88.3	92.2
PENNCROSS	94.5	97.3	91.4	92.5	79.0	92.2
INDEPENDENCE	90.3	97.7	94.0	93.0	89.0	92.1
ALPHA	96.3	99.0	85.8	95.3	91.7	92.0
SHARK (23R)	87.8	97.7	94.4	96.5	85.7	92.0
MACKENZIE (SRX 1GPD)	88.8	97.3	93.3	95.8	83.3	91.8
BENCHMARK DSR	91.3	95.3	92.8	94.5	80.0	91.7
DECLARATION	85.8	97.3	95.4	96.5	91.7	91.7
AUTHORITY (235050)	86.0	94.3	93.8	97.2	85.7	90.9
PENN A-1	89.1	97.0	91.1	97.5	85.7	90.8
KINGPIN (9200)	89.6	91.7	88.8	96.0	81.7	90.3
COBRA 2 (IS-AP 9)	89.8	67.0	91.5	94.8	81.7	89.3
TYEE (SRX 1GD)	84.2	93.0	90.2	98.0	83.3	89.2
PENNLINKS II	88.5	97.7	86.7	94.5	80.0	88.8
LSD VALUE	9.8	18.5	9.2	3.4	8.8	6.3
C.V. (%)	7.2	12.1	6.3	2.2	6.4	7.2

TABLE 15C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004-07 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	KY1	MI1	OK1	WI1	MEAN
GREENWICH	90.8	99.0	87.7	55.2	77.3	83.4
VILLA (IS-AC 1)	93.8	97.7	84.9	53.3	75.0	83.3
SR 7200	91.8	95.3	84.7	51.8	73.3	81.9
LEGENDARY	90.3	98.7	85.4	53.3	76.7	81.1
VENUS (EFD)	87.3	98.7	78.8	51.3	75.0	78.3
VESPER	91.4	99.0	77.2	51.5	75.0	78.0
LSD VALUE	11.2	2.8	14.4	2.4	16.1	7.7
C.V. (%)	7.9	1.8	11.8	14.1	13.3	9.7

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

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

TABLE 16A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004-07 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	ME1	MI1	OK1	SD1	UT1	MEAN
BENGAL	96.7	75.0	96.7	95.7	98.0	90.0	94.6
LS-44	95.2	65.0	97.5	95.9	98.7	93.0	94.1
MEMORIAL (A03-EDI)	94.3	65.0	96.8	94.1	98.7	96.0	93.3
MACKENZIE (SRX 1GPD)	87.6	70.0	98.5	95.4	95.0	96.0	93.0
INDEPENDENCE	91.1	76.7	98.2	93.6	95.0	96.0	92.9
ALPHA	95.2	66.7	91.7	93.9	97.0	96.0	92.6
13-M	89.1	60.0	98.2	94.8	96.3	96.0	92.1
T-1	96.8	61.7	93.7	91.2	96.0	96.0	91.8
TYEE (SRX 1GD)	83.6	66.7	97.3	96.3	98.0	93.0	91.8
CY-2	86.4	63.3	92.7	96.4	97.0	99.0	91.8
PENN A-1	83.3	78.3	93.5	95.2	95.7	99.0	91.0
PENNCROSS	91.7	76.7	90.2	91.9	98.0	86.7	90.8
COBRA 2 (IS-AP 9)	87.7	55.0	96.2	93.3	97.7	99.0	90.8
SHARK (23R)	78.4	76.7	98.2	95.6	95.3	99.0	90.7
KINGPIN (9200)	85.0	60.0	95.3	93.7	97.7	96.0	90.5
007 (DSB)	85.3	66.7	94.5	93.6	95.0	96.0	90.2
AUTHORITY (235050)	80.9	60.0	97.5	95.3	94.0	96.0	89.7
DECLARATION	82.8	75.0	95.2	93.4	93.0	86.7	89.4
PENNLINKS II	85.2	50.0	91.8	93.9	98.7	96.0	89.1
BENCHMARK DSR	81.8	43.3	92.2	93.0	96.3	99.0	87.8
GREENWICH	84.6	65.0	93.8	70.8	97.3	86.7	79.9
VILLA (IS-AC 1)	88.4	71.7	85.3	71.4	97.7	83.3	79.7
LEGENDARY	81.2	73.3	87.0	68.3	97.3	83.3	76.9
VESPER	80.6	76.7	79.2	64.8	97.3	83.3	74.2
VENUS (EFD)	76.3	80.0	90.0	61.6	97.3	83.3	73.9
SR 7200	86.2	58.3	75.8	63.0	95.7	76.7	72.5
LSD VALUE	21.5	24.3	14.4	7.2	2.8	8.3	8.4
C.V. (%)	16.2	22.6	9.6	5.4	1.8	5.6	10.4

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

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



TABLE 16B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON A GREEN 1/ 2004-07 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	ME1	MI1	OK1	SD1	UT1	MEAN
BENGAL	96.7	75.0	96.7	95.7	98.0	90.0	94.6
LS-44	95.2	65.0	97.5	95.9	98.7	93.0	94.1
MEMORIAL (A03-EDI)	94.3	65.0	96.8	94.1	98.7	96.0	93.3
MACKENZIE (SRX 1GPD)	87.6	70.0	98.5	95.4	95.0	96.0	93.0
INDEPENDENCE	91.1	76.7	98.2	93.6	95.0	96.0	92.9
ALPHA	95.2	66.7	91.7	93.9	97.0	96.0	92.6
13-M	89.1	60.0	98.2	94.8	96.3	96.0	92.1
T-1	96.8	61.7	93.7	91.2	96.0	96.0	91.8
TYEE (SRX 1GD)	83.6	66.7	97.3	96.3	98.0	93.0	91.8
CY-2	86.4	63.3	92.7	96.4	97.0	99.0	91.8
PENN A-1	83.3	78.3	93.5	95.2	95.7	99.0	91.0
PENNCROSS	91.7	76.7	90.2	91.9	98.0	86.7	90.8
COBRA 2 (IS-AP 9)	87.7	55.0	96.2	93.3	97.7	99.0	90.8
SHARK (23R)	78.4	76.7	98.2	95.6	95.3	99.0	90.7
KINGPIN (9200)	85.0	60.0	95.3	93.7	97.7	96.0	90.5
007 (DSB)	85.3	66.7	94.5	93.6	95.0	96.0	90.2
AUTHORITY (235050)	80.9	60.0	97.5	95.3	94.0	96.0	89.7
DECLARATION	82.8	75.0	95.2	93.4	93.0	86.7	89.4
PENNLINKS II	85.2	50.0	91.8	93.9	98.7	96.0	89.1
BENCHMARK DSR	81.8	43.3	92.2	93.0	96.3	99.0	87.8
LSD VALUE	20.6	26.2	7.8	4.7	3.1	7.1	7.0
C.V. (%)	15.5	24.8	5.2	3.2	2.0	4.6	8.7

TABLE 16C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON A GREEN 1/ 2004-07 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	ME1	MI1	OK1	SD1	UT1	MEAN
GREENWICH	84.6	65.0	93.8	70.8	97.3	86.7	79.9
VILLA (IS-AC 1)	88.4	71.7	85.3	71.4	97.7	83.3	79.7
LEGENDARY	81.2	73.3	87.0	68.3	97.3	83.3	76.9
VESPER	80.6	76.7	79.2	64.8	97.3	83.3	74.2
VENUS (EFD)	76.3	80.0	90.0	61.6	97.3	83.3	73.9
SR 7200	86.2	58.3	75.8	63.0	95.7	76.7	72.5
LSD VALUE	23.5	16.5	20.3	11.8	1.3	11.4	10.7
C.V. (%)	18.6	14.5	15.9	20.6	0.8	8.5	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 17A. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004-07 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AZ1	MI1	OK1	VA1	MEAN
LS-44	97.8	95.8	97.5	99.0	95.9
MEMORIAL (A03-EDI)	96.7	96.1	96.7	99.0	95.7
SHARK (23R)	88.7	96.1	98.7	97.7	94.8
BENCHMARK DSR	93.2	95.5	96.8	97.7	94.8
T-1	90.7	95.8	96.7	99.0	94.6
PENN A-1	92.7	94.2	98.7	99.0	94.5
PENNLINKS II	96.3	94.6	94.3	99.0	94.5
13-M	87.0	96.6	97.3	99.0	94.4
CY-2	95.3	94.3	98.7	97.7	94.2
COBRA 2 (IS-AP 9)	91.2	95.1	95.0	99.0	94.2
ALPHA	98.2	92.7	97.7	97.7	94.2
BENGAL	94.3	94.4	96.0	97.7	93.9
KINGPIN (9200)	87.0	95.5	97.8	99.0	93.9
PENNCROSS	97.8	93.8	91.0	99.0	93.6
INDEPENDENCE	86.8	94.8	98.0	95.0	93.0
AUTHORITY (235050)	79.0	95.3	98.7	99.0	92.6
MACKENZIE (SRX 1GPD)	72.8	95.0	98.2	99.0	91.1
TYEE (SRX 1GD)	72.0	94.9	98.5	97.7	90.8
007 (DSB)	75.5	94.1	97.5	99.0	90.8
DECLARATION	74.0	94.3	97.2	99.0	90.1
SR 7200	94.8	91.4	82.0	99.0	89.9
VESPER	93.3	87.7	87.0	99.0	88.7
VENUS (EFD)	88.7	88.8	83.8	99.0	87.7
VILLA (IS-AC 1)	96.7	88.7	75.5	96.0	87.5
GREENWICH	89.0	88.4	74.8	99.0	86.4
LEGENDARY	86.3	86.9	74.2	99.0	84.8
LSD VALUE	21.3	4.5	7.7	2.4	6.8
C.V. (%)	15.3	3.1	5.4	1.5	6.8

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

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

TABLE 17B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON A GREEN 1/  
2004-07 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AZ1	MI1	OK1	VA1	MEAN
LS-44	97.8	95.8	97.5	99.0	95.9
MEMORIAL (A03-EDI)	96.7	96.1	96.7	99.0	95.7
SHARK (23R)	88.7	96.1	98.7	97.7	94.8
BENCHMARK DSR	93.2	95.5	96.8	97.7	94.8
T-1	90.7	95.8	96.7	99.0	94.6
PENN A-1	92.7	94.2	98.7	99.0	94.5
PENNLINKS II	96.3	94.6	94.3	99.0	94.5
13-M	87.0	96.6	97.3	99.0	94.4
CY-2	95.3	94.3	98.7	97.7	94.2
COBRA 2 (IS-AP 9)	91.2	95.1	95.0	99.0	94.2
ALPHA	98.2	92.7	97.7	97.7	94.2
BENGAL	94.3	94.4	96.0	97.7	93.9
KINGPIN (9200)	87.0	95.5	97.8	99.0	93.9
PENNCROSS	97.8	93.8	91.0	99.0	93.6
INDEPENDENCE	86.8	94.8	98.0	95.0	93.0
AUTHORITY (235050)	79.0	95.3	98.7	99.0	92.6
MACKENZIE (SRX 1GPD)	72.8	95.0	98.2	99.0	91.1
TYEE (SRX 1GD)	72.0	94.9	98.5	97.7	90.8
007 (DSB)	75.5	94.1	97.5	99.0	90.8
DECLARATION	74.0	94.3	97.2	99.0	90.1
LSD VALUE	22.7	4.3	4.7	2.0	6.8
C.V. (%)	16.5	2.9	3.0	1.3	6.7

TABLE 17C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON A GREEN 1/  
2004-07 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AZ1	MI1	OK1	VA1	MEAN
SR 7200	94.8	91.4	82.0	99.0	89.9
VESPER	93.3	87.7	87.0	99.0	88.7
VENUS (EFD)	88.7	88.8	83.8	99.0	87.7
VILLA (IS-AC 1)	96.7	88.7	75.5	96.0	87.5
GREENWICH	89.0	88.4	74.8	99.0	86.4
LEGENDARY	86.3	86.9	74.2	99.0	84.8
LSD VALUE	15.9	4.8	13.4	3.4	6.3
C.V. (%)	11.0	3.5	12.9	2.2	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 18A. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004-07 DATA

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

NAME	AR1	AZ1	KY1	NC1	OK1	TX2	VA1	MEAN
LEGENDARY	6.7	6.2	9.0	5.7	5.6	.	8.5	5.9
VESPER	6.7	6.0	9.0	5.7	5.6	.	8.7	5.9
SR 7200	6.3	6.2	9.0	6.7	5.3	.	8.3	5.9
VILLA (IS-AC 1)	7.3	6.1	9.0	5.2	5.2	.	8.0	5.8
GREENWICH	7.0	6.0	9.0	5.7	5.4	.	8.3	5.8
CY-2	5.0	6.1	8.0	6.7	5.0	6.7	5.8	5.7
007 (DSB)	4.7	6.8	7.7	6.7	5.0	6.0	5.3	5.5
VENUS (EFD)	6.3	5.4	9.0	5.5	5.3	.	8.5	5.5
MEMORIAL (A03-EDI)	3.0	6.4	7.0	6.5	5.2	6.0	5.7	5.4
BENGAL	3.3	6.6	7.3	6.5	5.0	6.0	5.0	5.4
DECLARATION	4.0	6.6	7.7	6.2	5.3	5.7	4.3	5.4
TYEE (SRX 1GD)	4.3	6.8	7.0	6.3	4.7	7.0	5.0	5.4
COBRA 2 (IS-AP 9)	3.3	6.4	8.0	6.2	5.1	5.0	6.8	5.4
13-M	3.3	6.3	7.0	6.0	5.2	6.0	5.7	5.3
KINGPIN (9200)	3.7	6.2	8.0	6.0	5.1	5.7	5.7	5.3
T-1	2.7	7.5	7.0	6.5	4.7	5.3	5.5	5.3
SHARK (23R)	4.0	6.2	6.7	6.3	5.1	5.7	4.7	5.3
PENN A-1	3.7	6.2	7.0	5.7	5.2	6.0	5.7	5.2
AUTHORITY (235050)	4.0	6.1	7.0	6.0	5.0	6.0	4.5	5.2
MACKENZIE (SRX 1GPD)	3.3	6.0	7.3	6.0	4.7	6.3	5.3	5.2
BENCHMARK DSR	3.3	6.1	7.7	6.3	5.0	5.3	5.5	5.1
ALPHA	2.3	6.6	6.7	6.2	4.4	5.7	5.3	5.1
INDEPENDENCE	3.3	6.9	7.0	5.5	4.7	5.7	5.0	5.0
LS-44	3.0	6.2	7.0	5.8	4.7	5.7	5.7	5.0
PENNLINKS II	3.0	5.8	7.3	5.3	4.0	5.0	5.7	4.7
PENNCROSS	2.0	6.2	7.0	4.3	4.3	4.7	5.5	4.6
LSD VALUE	1.0	1.1	0.9	1.2	0.9	1.0	1.2	0.6
C.V. (%)	15.2	9.9	7.1	12.7	11.1	10.7	12.2	11.6

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.

Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 TABLE 18B. WINTER COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004-07 DATA

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

NAME	AR1	AZ1	KY1	NC1	OK1	TX2	VA1	MEAN
CY-2	5.0	6.1	8.0	6.7	5.0	6.7	5.8	5.7
007 (DSB)	4.7	6.8	7.7	6.7	5.0	6.0	5.3	5.5
MEMORIAL (A03-EDI)	3.0	6.4	7.0	6.5	5.2	6.0	5.7	5.4
BENGAL	3.3	6.6	7.3	6.5	5.0	6.0	5.0	5.4
DECLARATION	4.0	6.6	7.7	6.2	5.3	5.7	4.3	5.4
TYEE (SRX 1GD)	4.3	6.8	7.0	6.3	4.7	7.0	5.0	5.4
COBRA 2 (IS-AP 9)	3.3	6.4	8.0	6.2	5.1	5.0	6.8	5.4
13-M	3.3	6.3	7.0	6.0	5.2	6.0	5.7	5.3
KINGPIN (9200)	3.7	6.2	8.0	6.0	5.1	5.7	5.7	5.3
T-1	2.7	7.5	7.0	6.5	4.7	5.3	5.5	5.3
SHARK (23R)	4.0	6.2	6.7	6.3	5.1	5.7	4.7	5.3
PENN A-1	3.7	6.2	7.0	5.7	5.2	6.0	5.7	5.2
AUTHORITY (235050)	4.0	6.1	7.0	6.0	5.0	6.0	4.5	5.2
MACKENZIE (SRX 1GPD)	3.3	6.0	7.3	6.0	4.7	6.3	5.3	5.2
BENCHMARK DSR	3.3	6.1	7.7	6.3	5.0	5.3	5.5	5.1
ALPHA	2.3	6.6	6.7	6.2	4.4	5.7	5.3	5.1
INDEPENDENCE	3.3	6.9	7.0	5.5	4.7	5.7	5.0	5.0
LS-44	3.0	6.2	7.0	5.8	4.7	5.7	5.7	5.0
PENNLINKS II	3.0	5.8	7.3	5.3	4.0	5.0	5.7	4.7
PENNCROSS	2.0	6.2	7.0	4.3	4.3	4.7	5.5	4.6
LSD VALUE	1.0	1.2	1.0	1.3	0.9	1.0	1.3	0.6
C.V. (%)	18.2	10.3	8.5	12.9	11.0	10.7	15.2	11.9

TABLE 18C. WINTER COLOR RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN 1/  
 2004-07 DATA

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

NAME	AR1	AZ1	KY1	NC1	OK1	VA1	MEAN
LEGENDARY	6.7	6.2	9	5.7	5.6	8.5	5.9
VESPER	6.7	6.0	9	5.7	5.6	8.7	5.9
SR 7200	6.3	6.2	9	6.7	5.3	8.3	5.9
VILLA (IS-AC 1)	7.3	6.1	9	5.2	5.2	8.0	5.8
GREENWICH	7.0	6.0	9	5.7	5.4	8.3	5.8
VENUS (EFD)	6.3	5.4	9	5.5	5.3	8.5	5.5
LSD VALUE	1.1	0.9	0	1.1	0.9	0.6	0.5
C.V. (%)	9.9	8.2	0	14.5	11.9	4.3	10.9

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

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

TABLE 19A. DROUGHT TOLERANCE (WILTING) RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

DROUGHT TOLERANCE (WILTING) RATINGS 1-9; 9=NO WILTING 3/

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.
- 3/ DROUGHT TOLERANCE (WILTING) RATED IN 2007 ONLY.

TABLE 19B. DROUGHT TOLERANCE (WILTING) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN 2/  
 2004-07 DATA

DROUGHT TOLERANCE (WILTING) RATINGS 1-9; 9=NO WILTING 3/

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 19C. DROUGHT TOLERANCE (WILTING) RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

DROUGHT TOLERANCE (WILTING) RATINGS 1-9; 9=NO WILTING 3/

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.
- 3/ DROUGHT TOLERANCE (WILTING) RATED IN 2007 ONLY.

TABLE 20A. MICRODOCHIUM PATCH RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

MICRODOCHIUM PATCH RATINGS 1-9; 9=NO DISEASE 3/

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

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ MICRODOCHIUM PATCH RATED IN 2005 ONLY.



TABLE 20B. MICRODOCHIUM PATCH RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN 2/  
 2004-07 DATA

MICRODOCHIUM PATCH RATINGS 1-9; 9=NO DISEASE 3/

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

TABLE 20C. MICRODOCHIUM PATCH RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

MICRODOCHIUM PATCH RATINGS 1-9; 9=NO DISEASE 3/

NAME	NC1
VENUS (EFD)	9.0
VESPER	9.0
VILLA (IS-AC 1)	9.0
LEGENDARY	8.7
SR 7200	8.7
GREENWICH	8.3
LSD VALUE	0.7
C.V. (%)	4.7

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ MICRODOCHIUM PATCH RATED IN 2005 ONLY.

TABLE 21A. LEAF SPOT RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

LEAF SPOT RATINGS 1-9; 9=NO DISEASE 3/

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

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ LEAF SPOT RATED IN 2004 ONLY.

TABLE 21B. LEAF SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN 2/  
 2004-07 DATA

LEAF SPOT RATINGS 1-9; 9=NO DISEASE 3/

NAME	ME1
007 (DSB)	7.7
BENCHMARK DSR	7.7
CY-2	7.3
ALPHA	7.0
PENNLINKS II	6.7
KINGPIN (9200)	6.3
LS-44	6.3
AUTHORITY (235050)	6.0
DECLARATION	6.0
TYEE (SRX 1GD)	6.0
13-M	5.7
BENGAL	5.7
MACKENZIE (SRX 1GPD)	5.7
PENNCROSS	5.7
INDEPENDENCE	5.3
MEMORIAL (A03-EDI)	5.3
PENN A-1	5.3
SHARK (23R)	5.3
T-1	5.3
COBRA 2 (IS-AP 9)	4.7
LSD VALUE	2.1
C.V. (%)	21.3

TABLE 21C. LEAF SPOT RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

LEAF SPOT RATINGS 1-9; 9=NO DISEASE 3/

NAME	ME1
VESPER	8.3
VILLA (IS-AC 1)	8.3
LEGENDARY	7.7
VENUS (EFD)	7.7
GREENWICH	7.3
SR 7200	7.3
LSD VALUE	1.5
C.V. (%)	11.7

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ LEAF SPOT RATED IN 2004 ONLY.

TABLE 22A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004-07 DATA

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

NAME	IN1	KS1	MN1	NC1	NJ1	PA1	TX1	VA1	WI1	MEAN
DECLARATION	8.0	7.7	8.2	9.0	7.3	9.0	7.1	8.7	8.2	8.1
MEMORIAL (A03-EDI)	8.0	6.8	7.7	9.0	8.3	8.7	7.1	8.0	8.0	7.9
VILLA (IS-AC 1)	8.3	5.5	7.7	9.0	9.0	9.0	6.1	8.3	8.2	7.7
BENCHMARK DSR	7.5	6.5	8.0	8.7	7.0	8.0	6.7	7.7	7.8	7.6
SR 7200	7.5	5.0	8.2	9.0	9.0	9.0	6.1	8.7	7.7	7.6
13-M	7.8	6.5	7.5	9.0	7.7	8.0	6.6	8.0	7.5	7.5
LEGENDARY	7.7	5.7	7.3	9.0	8.3	9.0	5.8	8.3	7.7	7.4
GREENWICH	8.3	4.7	7.8	9.0	8.3	8.3	5.4	8.7	7.8	7.4
VENUS (EFD)	7.7	4.8	8.0	9.0	9.0	9.0	5.0	8.7	7.7	7.4
KINGPIN (9200)	7.8	5.8	7.2	8.8	8.0	8.0	6.0	8.3	7.5	7.3
CY-2	8.5	6.5	6.5	9.0	5.3	8.0	6.2	7.3	7.5	7.3
PENNLINKS II	7.5	6.0	7.5	8.5	8.3	8.0	4.8	7.3	8.5	7.2
VESPER	7.8	6.0	6.3	9.0	7.3	7.7	5.7	8.7	7.7	7.1
COBRA 2 (IS-AP 9)	7.7	5.5	6.8	9.0	8.0	7.3	5.3	7.3	6.5	6.9
007 (DSB)	7.3	6.5	7.0	8.8	5.7	7.7	6.2	8.0	5.3	6.9
PENN A-1	6.7	5.5	6.5	8.8	5.7	7.3	6.7	7.7	6.7	6.9
PENNCROSS	6.2	5.7	5.3	8.7	7.3	7.7	6.2	6.7	5.8	6.5
AUTHORITY (235050)	6.8	5.3	5.8	9.0	6.0	7.3	5.1	7.3	6.0	6.4
MACKENZIE (SRX 1GPD)	6.7	5.7	4.7	9.0	6.0	6.3	5.8	7.3	6.2	6.3
LS-44	7.0	5.8	5.0	8.7	5.3	6.7	4.8	7.7	5.5	6.2
TYEE (SRX 1GD)	6.0	4.5	5.3	8.3	5.0	6.0	4.7	5.7	4.2	5.5
ALPHA	6.2	3.8	4.0	7.5	6.0	6.3	4.4	6.3	4.8	5.4
SHARK (23R)	6.3	3.7	3.8	8.5	4.0	6.0	4.4	6.0	5.3	5.3
T-1	5.5	3.3	3.8	7.3	5.0	5.7	4.8	6.3	4.0	5.0
BENGAL	5.3	4.5	3.7	6.2	5.3	4.3	4.7	6.0	4.2	4.9
INDEPENDENCE	5.2	3.8	3.2	4.8	4.7	6.0	4.0	5.3	3.0	4.2
LSD VALUE	2.2	1.8	1.7	0.9	1.5	1.0	1.9	1.4	1.5	0.9
C.V. (%)	19.3	21.1	16.7	6.6	13.7	8.4	23.3	11.4	14.8	15.9

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 22B.

DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004-07 DATA

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

NAME	IN1	KS1	MN1	NC1	NJ1	PA1	TX1	VA1	WI1	MEAN
DECLARATION	8.0	7.7	8.2	9.0	7.3	9.0	7.1	8.7	8.2	8.1
MEMORIAL (A03-EDI)	8.0	6.8	7.7	9.0	8.3	8.7	7.1	8.0	8.0	7.9
BENCHMARK DSR	7.5	6.5	8.0	8.7	7.0	8.0	6.7	7.7	7.8	7.6
13-M	7.8	6.5	7.5	9.0	7.7	8.0	6.6	8.0	7.5	7.5
KINGPIN (9200)	7.8	5.8	7.2	8.8	8.0	8.0	6.0	8.3	7.5	7.3
CY-2	8.5	6.5	6.5	9.0	5.3	8.0	6.2	7.3	7.5	7.3
PENNLINKS II	7.5	6.0	7.5	8.5	8.3	8.0	4.8	7.3	8.5	7.2
COBRA 2 (IS-AP 9)	7.7	5.5	6.8	9.0	8.0	7.3	5.3	7.3	6.5	6.9
007 (DSB)	7.3	6.5	7.0	8.8	5.7	7.7	6.2	8.0	5.3	6.9
PENN A-1	6.7	5.5	6.5	8.8	5.7	7.3	6.7	7.7	6.7	6.9
PENNCROSS	6.2	5.7	5.3	8.7	7.3	7.7	6.2	6.7	5.8	6.5
AUTHORITY (235050)	6.8	5.3	5.8	9.0	6.0	7.3	5.1	7.3	6.0	6.4
MACKENZIE (SRX 1GPD)	6.7	5.7	4.7	9.0	6.0	6.3	5.8	7.3	6.2	6.3
LS-44	7.0	5.8	5.0	8.7	5.3	6.7	4.8	7.7	5.5	6.2
TYEE (SRX 1GD)	6.0	4.5	5.3	8.3	5.0	6.0	4.7	5.7	4.2	5.5
ALPHA	6.2	3.8	4.0	7.5	6.0	6.3	4.4	6.3	4.8	5.4
SHARK (23R)	6.3	3.7	3.8	8.5	4.0	6.0	4.4	6.0	5.3	5.3
T-1	5.5	3.3	3.8	7.3	5.0	5.7	4.8	6.3	4.0	5.0
BENGAL	5.3	4.5	3.7	6.2	5.3	4.3	4.7	6.0	4.2	4.9
INDEPENDENCE	5.2	3.8	3.2	4.8	4.7	6.0	4.0	5.3	3.0	4.2
LSD VALUE	2.4	1.5	1.8	1.0	1.6	1.1	1.9	1.5	1.6	0.9
C.V. (%)	21.7	18.0	18.8	7.7	15.3	9.8	23.1	12.9	16.7	16.8

TABLE 22C.

DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS  
GROWN ON A GREEN 1/  
2004-07 DATA

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

NAME	IN1	KS1	MN1	NC1	NJ1	PA1	TX1	VA1	WI1	MEAN
VILLA (IS-AC 1)	8.3	5.5	7.7	9	9.0	9.0	6.1	8.3	8.2	7.7
SR 7200	7.5	5.0	8.2	9	9.0	9.0	6.1	8.7	7.7	7.6
LEGENDARY	7.7	5.7	7.3	9	8.3	9.0	5.8	8.3	7.7	7.4
GREENWICH	8.3	4.7	7.8	9	8.3	8.3	5.4	8.7	7.8	7.4
VENUS (EFD)	7.7	4.8	8.0	9	9.0	9.0	5.0	8.7	7.7	7.4
VESPER	7.8	6.0	6.3	9	7.3	7.7	5.7	8.7	7.7	7.1
LSD VALUE	0.8	2.5	1.2	0	1.3	0.5	1.8	0.9	1.2	0.7
C.V. (%)	7.8	29.1	9.8	0	9.6	3.8	23.3	6.7	9.3	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 23A. RED THREAD RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 3/

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

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ RED THREAD RATED IN 2004 ONLY.

TABLE 23B. RED THREAD RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN 2/  
 2004-07 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 3/

NAME	ME1
13-M	8.7
ALPHA	8.7
BENCHMARK DSR	8.7
SHARK (23R)	8.7
COBRA 2 (IS-AP 9)	8.3
DECLARATION	8.3
KINGPIN (9200)	8.3
PENN A-1	8.3
PENNLINKS II	8.3
007 (DSB)	8.0
BENGAL	8.0
CY-2	8.0
INDEPENDENCE	8.0
LS-44	8.0
MEMORIAL (A03-EDI)	8.0
AUTHORITY (235050)	7.7
MACKENZIE (SRX 1GPD)	7.7
T-1	7.7
TYEE (SRX 1GD)	7.7
PENNCROSS	7.0
LSD VALUE	1.1
C.V. (%)	8.4

TABLE 23C. RED THREAD RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 3/

NAME	ME1
SR 7200	9.0
GREENWICH	8.3
VENUS (EFD)	8.3
VILLA (IS-AC 1)	8.3
LEGENDARY	8.0
VESPER	7.7
LSD VALUE	1.2
C.V. (%)	9.0

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ RED THREAD RATED IN 2004 ONLY.

TABLE 24A. BROWN PATCH (WARM TEMPERATURE) RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 3/

NAME	AR1	IN1	ME1	NJ1	PA1	MEAN
LEGENDARY	9.0	9.0	8.0	7.7	9.0	8.6
VENUS (EFD)	9.0	9.0	8.0	7.7	9.0	8.6
VILLA (IS-AC 1)	9.0	8.7	8.0	7.3	9.0	8.5
SR 7200	9.0	9.0	8.3	6.0	9.0	8.4
TYEE (SRX 1GD)	7.7	9.0	7.0	8.7	9.0	8.4
GREENWICH	9.0	9.0	8.0	6.0	9.0	8.3
VESPER	9.0	9.0	8.3	5.3	9.0	8.3
MACKENZIE (SRX 1GPD)	9.0	8.7	7.0	6.7	9.0	8.2
13-M	9.0	9.0	8.3	5.3	8.7	8.2
007 (DSB)	8.7	9.0	7.5	6.3	8.0	7.9
INDEPENDENCE	8.0	9.0	8.0	6.3	8.0	7.9
CY-2	8.0	9.0	7.0	7.0	7.7	7.7
SHARK (23R)	8.3	8.3	7.7	6.7	7.7	7.7
COBRA 2 (IS-AP 9)	7.3	9.0	8.3	6.0	7.7	7.7
DECLARATION	7.7	9.0	7.0	6.3	8.0	7.7
LS-44	8.7	8.7	7.0	5.7	8.0	7.7
T-1	7.3	9.0	6.0	6.0	8.7	7.6
MEMORIAL (A03-EDI)	8.7	9.0	6.3	4.7	8.3	7.6
KINGPIN (9200)	7.3	9.0	7.7	6.0	7.0	7.3
ALPHA	8.7	7.7	7.7	3.7	7.7	7.2
BENCHMARK DSR	8.0	8.7	7.3	4.0	7.3	7.1
PENN A-1	5.7	9.0	7.0	5.7	7.3	7.0
AUTHORITY (235050)	6.7	7.0	8.0	6.3	6.3	6.8
PENNCROSS	7.3	9.0	5.0	3.0	7.3	6.5
BENGAL	8.0	9.0	6.0	3.7	6.0	6.4
PENNLINKS II	7.0	8.7	7.0	5.3	4.7	6.2
LSD VALUE	2.4	1.4	1.8	1.7	1.5	1.4
C.V. (%)	18.5	10.1	15.0	17.9	11.9	14.2

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.

3/ BROWN PATCH RATED AT "AR1" & "IN1" IN 2006, AT "ME1" & "NJ1" IN 2004, AND AT "PA1" IN 2005.



TABLE 24B. BROWN PATCH (WARM TEMPERATURE) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP GROWN ON A GREEN 2/  
 2004-07 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 3/

NAME	AR1	IN1	ME1	NJ1	PA1	MEAN
TYEE (SRX 1GD)	7.7	9.0	7.0	8.7	9.0	8.4
MACKENZIE (SRX 1GPD)	9.0	8.7	7.0	6.7	9.0	8.2
13-M	9.0	9.0	8.3	5.3	8.7	8.2
007 (DSB)	8.7	9.0	7.5	6.3	8.0	7.9
INDEPENDENCE	8.0	9.0	8.0	6.3	8.0	7.9
CY-2	8.0	9.0	7.0	7.0	7.7	7.7
SHARK (23R)	8.3	8.3	7.7	6.7	7.7	7.7
COBRA 2 (IS-AP 9)	7.3	9.0	8.3	6.0	7.7	7.7
DECLARATION	7.7	9.0	7.0	6.3	8.0	7.7
LS-44	8.7	8.7	7.0	5.7	8.0	7.7
T-1	7.3	9.0	6.0	6.0	8.7	7.6
MEMORIAL (A03-EDI)	8.7	9.0	6.3	4.7	8.3	7.6
KINGPIN (9200)	7.3	9.0	7.7	6.0	7.0	7.3
ALPHA	8.7	7.7	7.7	3.7	7.7	7.2
BENCHMARK DSR	8.0	8.7	7.3	4.0	7.3	7.1
PENN A-1	5.7	9.0	7.0	5.7	7.3	7.0
AUTHORITY (235050)	6.7	7.0	8.0	6.3	6.3	6.8
PENNCROSS	7.3	9.0	5.0	3.0	7.3	6.5
BENGAL	8.0	9.0	6.0	3.7	6.0	6.4
PENNLINKS II	7.0	8.7	7.0	5.3	4.7	6.2
LSD VALUE	2.7	1.6	1.9	1.8	1.7	1.5
C.V. (%)	21.8	11.5	16.0	20.0	14.1	16.2

TABLE 24C. BROWN PATCH (WARM TEMPERATURE) RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 3/

NAME	AR1	IN1	ME1	NJ1	PA1	MEAN
LEGENDARY	9	9.0	8.0	7.7	9	8.6
VENUS (EFD)	9	9.0	8.0	7.7	9	8.6
VILLA (IS-AC 1)	9	8.7	8.0	7.3	9	8.5
SR 7200	9	9.0	8.3	6.0	9	8.4
GREENWICH	9	9.0	8.0	6.0	9	8.3
VESPER	9	9.0	8.3	5.3	9	8.3
LSD VALUE	0	0.4	1.6	1.2	0	0.4
C.V. (%)	0	2.6	12.0	11.2	0	4.5

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.

3/ BROWN PATCH RATED AT "AR1" & "IN1" IN 2006, AT "ME1" & "NJ1" IN 2004, AND AT "PA1" IN 2005.

TABLE 25A. ANTHRACNOSE RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 3/

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.

3/ ANTHRACNOSE RATED IN 2007 ONLY.

TABLE 25B. ANTHRACNOSE RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP GROWN ON A GREEN 2/  
 2004-07 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 3/

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 25C. ANTHRACNOSE RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 3/

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.
- 3/ ANTHRACNOSE RATED IN 2007 ONLY.

TABLE 26A. FAIRY RING RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

FAIRY RING RATINGS 1-9; 9=NO DISEASE 3/

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

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ FAIRY RING RATED IN 2005 ONLY.

TABLE 26B. FAIRY RING RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN 2/  
 2004-07 DATA

FAIRY RING RATINGS 1-9; 9=NO DISEASE 3/

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

TABLE 26C. FAIRY RING RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

FAIRY RING RATINGS 1-9; 9=NO DISEASE 3/

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

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ FAIRY RING RATED IN 2005 ONLY.

TABLE 27A. PINK SNOW MOLD RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

PINK SNOW MOLD RATINGS 1-9; 9=NO DISEASE 3/

NAME	IA1	VA1	MEAN
MACKENZIE (SRX 1GPD)	7.0	8.7	7.8
TYEE (SRX 1GD)	6.0	8.3	7.2
AUTHORITY (235050)	5.3	8.7	7.0
INDEPENDENCE	5.7	8.3	7.0
SHARK (23R)	6.3	7.7	7.0
T-1	5.0	8.7	6.8
DECLARATION	4.3	8.7	6.5
BENGAL	4.0	8.3	6.2
007 (DSB)	4.0	8.0	6.0
MEMORIAL (A03-EDI)	3.7	8.3	6.0
KINGPIN (9200)	3.7	8.0	5.8
COBRA 2 (IS-AP 9)	2.7	8.7	5.7
ALPHA	2.3	8.7	5.5
LS-44	2.0	8.7	5.3
CY-2	1.3	8.7	5.0
PENNCROSS	1.0	9.0	5.0
PENNLINKS II	1.3	8.7	5.0
VESPER	1.3	8.3	4.8
BENCHMARK DSR	1.7	8.0	4.8
GREENWICH	2.3	7.3	4.8
VILLA (IS-AC 1)	1.7	8.0	4.8
13-M	1.3	8.0	4.7
LEGENDARY	1.0	8.3	4.7
PENN A-1	2.3	7.0	4.7
SR 7200	1.3	8.0	4.7
VENUS (EFD)	2.0	7.3	4.7
LSD VALUE	2.7	1.1	1.9
C.V. (%)	53.9	8.6	31.2

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

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

3/ PINK SNOW MOLD RATED AT "IA1" IN 2006, AND AT "VA1" IN 2004.

TABLE 27B. PINK SNOW MOLD RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP GROWN ON A GREEN 2/  
 2004-07 DATA

PINK SNOW MOLD RATINGS 1-9; 9=NO DISEASE 3/

NAME	IA1	VA1	MEAN
MACKENZIE (SRX 1GPD)	7.0	8.7	7.8
TYEE (SRX 1GD)	6.0	8.3	7.2
AUTHORITY (235050)	5.3	8.7	7.0
INDEPENDENCE	5.7	8.3	7.0
SHARK (23R)	6.3	7.7	7.0
T-1	5.0	8.7	6.8
DECLARATION	4.3	8.7	6.5
BENGAL	4.0	8.3	6.2
007 (DSB)	4.0	8.0	6.0
MEMORIAL (A03-EDI)	3.7	8.3	6.0
KINGPIN (9200)	3.7	8.0	5.8
COBRA 2 (IS-AP 9)	2.7	8.7	5.7
ALPHA	2.3	8.7	5.5
LS-44	2.0	8.7	5.3
CY-2	1.3	8.7	5.0
PENNCROSS	1.0	9.0	5.0
PENNLINKS II	1.3	8.7	5.0
BENCHMARK DSR	1.7	8.0	4.8
13-M	1.3	8.0	4.7
PENN A-1	2.3	7.0	4.7
LSD VALUE	2.9	1.1	2.0
C.V. (%)	51.3	8.3	29.8

TABLE 27C. PINK SNOW MOLD RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

PINK SNOW MOLD RATINGS 1-9; 9=NO DISEASE 3/

NAME	IA1	VA1	MEAN
VESPER	1.3	8.3	4.8
GREENWICH	2.3	7.3	4.8
VILLA (IS-AC 1)	1.7	8.0	4.8
LEGENDARY	1.0	8.3	4.7
SR 7200	1.3	8.0	4.7
VENUS (EFD)	2.0	7.3	4.7
LSD VALUE	1.7	1.2	1.4
C.V. (%)	63.8	9.4	36.6

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.

3/ PINK SNOW MOLD RATED AT "IA1" IN 2006, AND AT "VA1" IN 2004.

TABLE 28A. FALL COLOR (SEPTEMBER) RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 3/

NAME	AZ1	TX1	MEAN
DECLARATION	7.5	7.0	7.4
T-1	7.3	7.3	7.3
CY-2	7.2	7.3	7.3
COBRA 2 (IS-AP 9)	6.8	7.3	6.9
INDEPENDENCE	6.6	8.0	6.9
VENUS (EFD)	6.7	7.7	6.9
ALPHA	6.6	7.7	6.8
LEGENDARY	6.6	7.7	6.8
MEMORIAL (A03-EDI)	6.4	8.0	6.8
VILLA (IS-AC 1)	6.4	8.0	6.8
13-M	6.4	7.7	6.8
BENCHMARK DSR	6.3	8.0	6.8
BENGAL	6.6	7.3	6.8
LS-44	6.6	7.3	6.8
TYEE (SRX 1GD)	6.4	7.7	6.7
PENN A-1	6.4	7.3	6.7
007 (DSB)	6.2	7.7	6.6
PENNLINKS II	6.2	7.3	6.5
SHARK (23R)	6.1	7.7	6.5
VESPER	6.0	7.7	6.4
GREENWICH	6.2	7.0	6.4
MACKENZIE (SRX 1GPD)	6.1	7.3	6.4
AUTHORITY (235050)	6.0	7.3	6.3
SR 7200	6.0	7.3	6.3
PENNCROSS	5.8	7.7	6.3
KINGPIN (9200)	5.4	7.7	6.0
LSD VALUE	1.6	0.8	1.4
C.V. (%)	14.3	6.7	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.

3/ FALL COLOR (SEPTEMBER) RATED AT "AZ1" IN 2004-06, AND AT "TX1" IN 2007.



TABLE 28B. FALL COLOR (SEPTEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP GROWN ON A GREEN 2/  
 2004-07 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 3/

NAME	AZ1	TX1	MEAN
DECLARATION	7.5	7.0	7.4
T-1	7.3	7.3	7.3
CY-2	7.2	7.3	7.3
COBRA 2 (IS-AP 9)	6.8	7.3	6.9
INDEPENDENCE	6.6	8.0	6.9
ALPHA	6.6	7.7	6.8
MEMORIAL (A03-EDI)	6.4	8.0	6.8
13-M	6.4	7.7	6.8
BENCHMARK DSR	6.3	8.0	6.8
BENGAL	6.6	7.3	6.8
LS-44	6.6	7.3	6.8
TYEE (SRX 1GD)	6.4	7.7	6.7
PENN A-1	6.4	7.3	6.7
007 (DSB)	6.2	7.7	6.6
PENNLINKS II	6.2	7.3	6.5
SHARK (23R)	6.1	7.7	6.5
MACKENZIE (SRX 1GPD)	6.1	7.3	6.4
AUTHORITY (235050)	6.0	7.3	6.3
PENNCROSS	5.8	7.7	6.3
KINGPIN (9200)	5.4	7.7	6.0
LSD VALUE	1.6	0.8	1.4
C.V. (%)	14.5	6.9	12.6

TABLE 28C. FALL COLOR (SEPTEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 3/

NAME	AZ1	TX1	MEAN
VENUS (EFD)	6.7	7.7	6.9
LEGENDARY	6.6	7.7	6.8
VILLA (IS-AC 1)	6.4	8.0	6.8
VESPER	6.0	7.7	6.4
GREENWICH	6.2	7.0	6.4
SR 7200	6.0	7.3	6.3
LSD VALUE	1.5	0.8	1.3
C.V. (%)	13.5	6.2	11.7

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

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

3/ FALL COLOR (SEPTEMBER) RATED AT "AZ1" IN 2004-06, AND AT "TX1" IN 2007.

TABLE 29A. FALL COLOR (OCTOBER) RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 3/

NAME	AZ1	TX1	VA1	MEAN
T-1	8.1	7.7	8.3	8.0
BENGAL	7.3	7.7	7.3	7.4
BENCHMARK DSR	7.1	8.0	7.7	7.4
DECLARATION	7.4	8.0	6.3	7.3
INDEPENDENCE	7.3	7.0	7.3	7.3
ALPHA	7.1	7.3	8.0	7.2
007 (DSB)	7.2	7.7	6.3	7.2
TYEE (SRX 1GD)	7.2	7.3	6.3	7.1
COBRA 2 (IS-AP 9)	6.9	8.0	6.0	7.0
KINGPIN (9200)	6.8	7.7	7.3	7.0
MEMORIAL (A03-EDI)	6.9	8.0	6.0	7.0
LS-44	6.9	7.3	7.3	7.0
13-M	6.8	7.7	6.0	6.9
CY-2	7.0	7.3	6.3	6.9
MACKENZIE (SRX 1GPD)	6.8	7.7	5.7	6.8
PENNLINKS II	6.5	7.7	7.3	6.8
SR 7200	7.0	7.7	4.3	6.8
PENNCROSS	6.6	7.3	6.3	6.7
LEGENDARY	6.9	7.3	4.0	6.6
PENN A-1	6.7	7.3	5.7	6.6
SHARK (23R)	6.6	7.3	5.7	6.6
VILLA (IS-AC 1)	6.7	8.0	4.0	6.6
VESPER	6.7	7.7	4.0	6.5
GREENWICH	6.7	7.7	4.0	6.5
AUTHORITY (235050)	6.3	7.3	6.3	6.5
VENUS (EFD)	6.6	7.3	4.0	6.3
LSD VALUE	1.2	0.8	1.1	1.0
C.V. (%)	10.1	6.7	11.0	9.3

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.

3/ FALL COLOR (OCTOBER) RATED AT "AZ1" IN 2004-06, AT "TX1" IN 2007 AND AT "VA1" IN 2004.

TABLE 29B. FALL COLOR (OCTOBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN 2/  
 2004-07 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 3/

NAME	AZ1	TX1	VA1	MEAN
T-1	8.1	7.7	8.3	8.0
BENGAL	7.3	7.7	7.3	7.4
BENCHMARK DSR	7.1	8.0	7.7	7.4
DECLARATION	7.4	8.0	6.3	7.3
INDEPENDENCE	7.3	7.0	7.3	7.3
ALPHA	7.1	7.3	8.0	7.2
007 (DSB)	7.2	7.7	6.3	7.2
TYEE (SRX 1GD)	7.2	7.3	6.3	7.1
COBRA 2 (IS-AP 9)	6.9	8.0	6.0	7.0
KINGPIN (9200)	6.8	7.7	7.3	7.0
MEMORIAL (A03-EDI)	6.9	8.0	6.0	7.0
LS-44	6.9	7.3	7.3	7.0
13-M	6.8	7.7	6.0	6.9
CY-2	7.0	7.3	6.3	6.9
MACKENZIE (SRX 1GPD)	6.8	7.7	5.7	6.8
PENNLINKS II	6.5	7.7	7.3	6.8
PENNCROSS	6.6	7.3	6.3	6.7
PENN A-1	6.7	7.3	5.7	6.6
SHARK (23R)	6.6	7.3	5.7	6.6
AUTHORITY (235050)	6.3	7.3	6.3	6.5
LSD VALUE	1.2	0.8	1.2	1.0
C.V. (%)	10.4	6.6	11.3	9.4

TABLE 29C. FALL COLOR (OCTOBER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 3/

NAME	AZ1	TX1	VA1	MEAN
SR 7200	7.0	7.7	4.3	6.8
LEGENDARY	6.9	7.3	4.0	6.6
VILLA (IS-AC 1)	6.7	8.0	4.0	6.6
VESPER	6.7	7.7	4.0	6.5
GREENWICH	6.7	7.7	4.0	6.5
VENUS (EFD)	6.6	7.3	4.0	6.3
LSD VALUE	1.0	0.8	0.4	0.9
C.V. (%)	9.0	6.9	5.8	8.4

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

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

3/ FALL COLOR (OCTOBER) RATED AT "AZ1" IN 2004-06, AT "TX1" IN 2007 AND AT "VA1" IN 2004.

TABLE 30A. FALL COLOR (NOVEMBER) RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 3/

NAME	AZ1	IN1	TX1	UT1	VA1	MEAN
T-1	7.7	7.3	7.3	4.0	6.7	7.2
TYEE (SRX 1GD)	6.9	8.3	7.7	7.7	5.0	7.2
INDEPENDENCE	7.2	7.3	7.7	6.7	5.7	7.1
CY-2	6.8	9.0	7.7	7.7	5.3	7.1
DECLARATION	6.9	8.7	7.3	5.7	5.7	7.0
KINGPIN (9200)	6.4	8.0	8.0	6.0	6.3	7.0
BENCHMARK DSR	6.2	8.0	7.7	6.0	7.0	6.9
ALPHA	6.9	7.3	7.3	5.3	6.7	6.9
BENGAL	7.0	8.3	7.0	6.7	5.7	6.9
007 (DSB)	6.9	6.7	7.7	7.0	5.0	6.9
PENN A-1	6.4	7.3	8.0	4.3	6.7	6.9
MEMORIAL (A03-EDI)	6.8	8.3	7.3	5.0	6.3	6.9
COBRA 2 (IS-AP 9)	6.6	5.0	8.0	6.3	6.3	6.9
13-M	6.7	8.0	7.3	6.0	6.0	6.8
LS-44	6.7	6.7	7.7	5.0	6.0	6.7
PENNCROSS	6.6	7.0	7.3	5.7	6.0	6.7
PENNLINKS II	5.9	7.7	7.7	6.7	5.3	6.7
MACKENZIE (SRX 1GPD)	6.4	8.0	7.3	5.7	5.0	6.6
SHARK (23R)	6.4	6.7	7.3	6.3	4.7	6.5
SR 7200	6.3	7.7	7.7	2.7	5.0	6.4
AUTHORITY (235050)	6.6	7.3	6.7	6.0	4.3	6.4
LEGENDARY	6.4	7.3	7.3	2.7	5.0	6.3
VESPER	6.3	8.0	7.3	2.7	4.3	6.2
GREENWICH	6.4	6.7	7.3	3.0	4.3	6.2
VILLA (IS-AC 1)	6.2	8.0	7.3	2.3	4.3	6.2
VENUS (EFD)	5.7	7.7	7.3	2.3	4.3	5.9
LSD VALUE	1.2	1.0	1.1	1.4	1.2	0.9
C.V. (%)	10.4	8.1	9.2	16.7	14.1	10.5

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

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

3/ FALL COLOR (NOVEMBER) RATED AT "AZ1" IN 2004-06, AT "IN1" & "UT1" IN 2006, AT "TX1" IN 2007 AND AT "VA1" IN 2005.

TABLE 30B. FALL COLOR (NOVEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP GROWN ON A GREEN 2/  
 2004-07 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 3/

NAME	AZ1	IN1	TX1	UT1	VA1	MEAN
T-1	7.7	7.3	7.3	4.0	6.7	7.2
TYEE (SRX 1GD)	6.9	8.3	7.7	7.7	5.0	7.2
INDEPENDENCE	7.2	7.3	7.7	6.7	5.7	7.1
CY-2	6.8	9.0	7.7	7.7	5.3	7.1
DECLARATION	6.9	8.7	7.3	5.7	5.7	7.0
KINGPIN (9200)	6.4	8.0	8.0	6.0	6.3	7.0
BENCHMARK DSR	6.2	8.0	7.7	6.0	7.0	6.9
ALPHA	6.9	7.3	7.3	5.3	6.7	6.9
BENGAL	7.0	8.3	7.0	6.7	5.7	6.9
007 (DSB)	6.9	6.7	7.7	7.0	5.0	6.9
PENN A-1	6.4	7.3	8.0	4.3	6.7	6.9
MEMORIAL (A03-EDI)	6.8	8.3	7.3	5.0	6.3	6.9
COBRA 2 (IS-AP 9)	6.6	5.0	8.0	6.3	6.3	6.9
13-M	6.7	8.0	7.3	6.0	6.0	6.8
LS-44	6.7	6.7	7.7	5.0	6.0	6.7
PENNCROSS	6.6	7.0	7.3	5.7	6.0	6.7
PENNLINKS II	5.9	7.7	7.7	6.7	5.3	6.7
MACKENZIE (SRX 1GPD)	6.4	8.0	7.3	5.7	5.0	6.6
SHARK (23R)	6.4	6.7	7.3	6.3	4.7	6.5
AUTHORITY (235050)	6.6	7.3	6.7	6.0	4.3	6.4
LSD VALUE	1.2	0.9	1.0	1.5	1.3	0.9
C.V. (%)	10.6	7.5	8.1	15.4	14.1	10.2

TABLE 30C. FALL COLOR (NOVEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 3/

NAME	AZ1	IN1	TX1	UT1	VA1	MEAN
SR 7200	6.3	7.7	7.7	2.7	5.0	6.4
LEGENDARY	6.4	7.3	7.3	2.7	5.0	6.3
VESPER	6.3	8.0	7.3	2.7	4.3	6.2
GREENWICH	6.4	6.7	7.3	3.0	4.3	6.2
VILLA (IS-AC 1)	6.2	8.0	7.3	2.3	4.3	6.2
VENUS (EFD)	5.7	7.7	7.3	2.3	4.3	5.9
LSD VALUE	1.0	1.2	1.5	1.1	1.0	0.9
C.V. (%)	9.6	9.9	12.4	25.5	13.7	11.2

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

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

3/ FALL COLOR (NOVEMBER) RATED AT "AZ1" IN 2004-06, AT "IN1" & "UT1" IN 2006, AT "TX1" IN 2007 AND AT "VA1" IN 2005.

TABLE 31A. FALL COLOR (DECEMBER) RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 3/

NAME	AZ1	IN1	TX1	MEAN
INDEPENDENCE	7.0	5.3	7.3	6.8
SR 7200	6.2	.	7.7	6.7
13-M	6.5	6.0	7.7	6.6
T-1	6.8	4.7	7.7	6.6
007 (DSB)	6.5	5.0	7.7	6.4
MEMORIAL (A03-EDI)	6.3	5.7	7.7	6.4
ALPHA	6.5	5.0	7.3	6.4
BENGAL	6.3	6.0	7.0	6.4
SHARK (23R)	6.3	5.3	7.7	6.3
TYEE (SRX 1GD)	6.2	6.0	7.3	6.3
VESPER	5.8	.	7.3	6.3
CY-2	5.8	6.7	7.7	6.3
GREENWICH	5.5	.	7.7	6.2
LEGENDARY	5.8	.	7.0	6.2
KINGPIN (9200)	6.0	5.7	7.3	6.2
DECLARATION	5.6	6.7	7.7	6.1
VILLA (IS-AC 1)	5.7	.	7.0	6.1
PENNCROSS	6.2	4.7	7.0	6.1
MACKENZIE (SRX 1GPD)	5.7	5.7	7.3	5.9
PENN A-1	5.7	5.0	8.0	5.9
LS-44	5.8	4.0	7.3	5.8
BENCHMARK DSR	5.7	4.3	7.0	5.7
COBRA 2 (IS-AP 9)	5.7	3.3	8.0	5.7
VENUS (EFD)	5.0	.	7.0	5.7
AUTHORITY (235050)	5.7	4.0	7.0	5.6
PENNLINKS II	5.2	4.7	7.3	5.4
LSD VALUE	1.2	1.0	1.0	1.1
C.V. (%)	11.9	12.2	8.6	11.2

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

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

3/ FALL COLOR (DECEMBER) RATED AT "AZ1" IN 2005-06, AT "KS1" & "TX1" IN 2007.

TABLE 31B. FALL COLOR (DECEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN 2/  
 2004-07 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 3/

NAME	AZ1	IN1	TX1	MEAN
INDEPENDENCE	7.0	5.3	7.3	6.8
13-M	6.5	6.0	7.7	6.6
T-1	6.8	4.7	7.7	6.6
007 (DSB)	6.5	5.0	7.7	6.4
MEMORIAL (A03-EDI)	6.3	5.7	7.7	6.4
ALPHA	6.5	5.0	7.3	6.4
BENGAL	6.3	6.0	7.0	6.4
SHARK (23R)	6.3	5.3	7.7	6.3
TYEE (SRX 1GD)	6.2	6.0	7.3	6.3
CY-2	5.8	6.7	7.7	6.3
KINGPIN (9200)	6.0	5.7	7.3	6.2
DECLARATION	5.6	6.7	7.7	6.1
PENNCROSS	6.2	4.7	7.0	6.1
MACKENZIE (SRX 1GPD)	5.7	5.7	7.3	5.9
PENN A-1	5.7	5.0	8.0	5.9
LS-44	5.8	4.0	7.3	5.8
BENCHMARK DSR	5.7	4.3	7.0	5.7
COBRA 2 (IS-AP 9)	5.7	3.3	8.0	5.7
AUTHORITY (235050)	5.7	4.0	7.0	5.6
PENNLINKS II	5.2	4.7	7.3	5.4
LSD VALUE	1.3	1.0	1.1	1.1
C.V. (%)	12.0	12.2	9.3	11.5

TABLE 31C. FALL COLOR (DECEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 3/

NAME	AZ1	TX1	MEAN
SR 7200	6.2	7.7	6.7
VESPER	5.8	7.3	6.3
GREENWICH	5.5	7.7	6.2
LEGENDARY	5.8	7.0	6.2
VILLA (IS-AC 1)	5.7	7.0	6.1
VENUS (EFD)	5.0	7.0	5.7
LSD VALUE	1.1	0.7	0.9
C.V. (%)	10.9	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.

3/ FALL COLOR (DECEMBER) RATED AT "AZ1" IN 2005-06, AT "KS1" & "TX1" IN 2007.

TABLE 32A. POA ANNUA RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

POA ANNUA RATINGS 1-9; 9=NONE 3/

NAME	PA1	VA1	WI1	MEAN
SHARK (23R)	8.0	8.7	8.3	8.4
TYEE (SRX 1GD)	8.0	8.7	8.0	8.3
AUTHORITY (235050)	7.3	8.7	8.0	8.2
007 (DSB)	7.0	8.8	8.0	8.2
MACKENZIE (SRX 1GPD)	6.3	8.7	8.7	8.1
VILLA (IS-AC 1)	6.0	8.7	8.3	7.9
LEGENDARY	6.0	8.5	8.7	7.9
CY-2	6.0	8.8	7.7	7.8
GREENWICH	5.3	8.7	8.3	7.8
DECLARATION	6.0	8.5	8.0	7.8
VENUS (EFD)	4.3	8.7	8.3	7.5
VESPER	4.3	8.8	7.0	7.3
PENN A-1	6.0	8.0	6.3	7.1
13-M	4.7	8.0	7.3	7.0
KINGPIN (9200)	5.7	7.7	7.0	7.0
MEMORIAL (A03-EDI)	4.7	7.8	7.3	6.9
INDEPENDENCE	6.0	7.2	7.0	6.8
SR 7200	4.0	8.0	6.3	6.6
T-1	5.7	6.7	6.7	6.4
BENGAL	5.0	6.8	7.0	6.4
COBRA 2 (IS-AP 9)	4.3	6.8	7.3	6.3
ALPHA	5.7	7.0	5.3	6.3
LS-44	4.0	6.2	6.7	5.8
BENCHMARK DSR	4.3	5.8	6.7	5.7
PENNCROSS	3.3	4.8	4.3	4.3
PENNLINKS II	3.7	3.5	5.0	3.9
LSD VALUE	1.5	1.3	1.4	1.0
C.V. (%)	17.1	10.9	12.4	12.6

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ POA ANNUA RATED AT "PA1" IN 2006, AT "VA1" IN 2006-07, AND AT "WI1" IN 2007.



TABLE 32B. POA ANNUA RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN 2/  
 2004-07 DATA

POA ANNUA RATINGS 1-9; 9=NONE 3/

NAME	PA1	VA1	WI1	MEAN
SHARK (23R)	8.0	8.7	8.3	8.4
TYEE (SRX 1GD)	8.0	8.7	8.0	8.3
AUTHORITY (235050)	7.3	8.7	8.0	8.2
007 (DSB)	7.0	8.8	8.0	8.2
MACKENZIE (SRX 1GPD)	6.3	8.7	8.7	8.1
CY-2	6.0	8.8	7.7	7.8
DECLARATION	6.0	8.5	8.0	7.8
PENN A-1	6.0	8.0	6.3	7.1
13-M	4.7	8.0	7.3	7.0
KINGPIN (9200)	5.7	7.7	7.0	7.0
MEMORIAL (A03-EDI)	4.7	7.8	7.3	6.9
INDEPENDENCE	6.0	7.2	7.0	6.8
T-1	5.7	6.7	6.7	6.4
BENGAL	5.0	6.8	7.0	6.4
COBRA 2 (IS-AP 9)	4.3	6.8	7.3	6.3
ALPHA	5.7	7.0	5.3	6.3
LS-44	4.0	6.2	6.7	5.8
BENCHMARK DSR	4.3	5.8	6.7	5.7
PENNCROSS	3.3	4.8	4.3	4.3
PENNLINKS II	3.7	3.5	5.0	3.9
LSD VALUE	1.4	1.5	1.3	1.0
C.V. (%)	15.9	12.3	11.9	13.0

TABLE 32C. POA ANNUA RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

POA ANNUA RATINGS 1-9; 9=NONE 3/

NAME	PA1	VA1	WI1	MEAN
VILLA (IS-AC 1)	6.0	8.7	8.3	7.9
LEGENDARY	6.0	8.5	8.7	7.9
GREENWICH	5.3	8.7	8.3	7.8
VENUS (EFD)	4.3	8.7	8.3	7.5
VESPER	4.3	8.8	7.0	7.3
SR 7200	4.0	8.0	6.3	6.6
LSD VALUE	1.7	0.8	1.7	0.9
C.V. (%)	21.6	5.9	13.5	11.3

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

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

3/ POA ANNUA RATED AT "PA1" IN 2006, AT "VA1" IN 2006-07, AND AT "WI1" IN 2007.

TABLE 33A. PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2003-07 DATA

NAME	AR1	IA1	IL1	ME1	NJ1	OK1	SD1	VA1	MEAN
T-1	97.3	73.3	85.0	40.0	63.3	94.7	90.0	91.7	79.4
SHARK (23R)	93.7	76.7	78.3	53.3	63.3	95.7	80.0	93.3	79.3
PENNCROSS	94.0	75.0	78.3	45.0	66.7	92.3	86.7	94.7	79.1
BENGAL	98.7	70.0	85.0	43.3	65.0	93.3	81.7	91.7	78.6
PENN A-1	98.0	76.7	76.7	40.0	66.7	97.0	83.3	88.3	78.3
AUTHORITY (235050)	98.7	70.0	75.0	73.3	60.0	95.7	63.3	90.0	78.3
MEMORIAL (A03-EDI)	95.3	73.3	81.7	55.0	61.7	94.3	68.3	95.0	78.1
INDEPENDENCE	95.0	70.0	76.7	35.0	63.3	94.7	86.7	95.0	77.0
PENNLINKS II	96.7	73.3	80.0	35.0	63.3	93.7	88.3	83.3	76.7
007 (DSB)	98.0	61.7	85.0	48.3	60.0	95.0	71.7	88.3	76.0
LS-44	96.7	71.7	85.0	33.3	60.0	94.3	73.3	93.3	76.0
CY-2	92.0	60.0	86.7	33.3	63.3	96.0	85.0	90.0	75.8
GREENWICH	94.0	56.7	70.0	41.7	68.3	96.3	78.3	95.0	75.0
VILLA (IS-AC 1)	92.7	65.0	78.3	36.7	70.0	95.0	68.3	93.3	74.9
LEGENDARY	91.0	61.7	70.0	45.0	71.7	95.7	75.0	88.3	74.8
MACKENZIE (SRX 1GPD)	88.3	61.7	75.0	50.0	55.0	96.0	76.7	95.0	74.7
COBRA 2 (IS-AP 9)	92.7	63.3	85.0	43.3	56.7	94.7	70.0	91.7	74.7
DECLARATION	97.3	70.0	83.3	18.3	66.7	94.3	73.3	91.7	74.4
13-M	91.0	73.3	88.3	18.3	61.7	94.7	71.7	93.3	74.0
ALPHA	86.0	65.0	80.0	20.0	63.3	95.0	83.3	93.3	73.3
TYEE (SRX 1GD)	98.0	65.0	73.3	31.7	55.0	96.0	75.0	88.3	72.8
KINGPIN (9200)	90.7	66.7	83.3	31.7	48.3	95.3	76.7	88.3	72.6
VENUS (EFD)	78.3	63.3	78.3	33.3	58.3	96.7	51.7	90.0	68.8
VESPER	85.0	46.7	78.3	21.7	61.7	97.0	61.7	95.0	68.4
BENCHMARK DSR	86.0	68.3	71.7	20.0	48.3	89.3	76.7	81.7	67.8
SR 7200	81.3	48.3	63.3	25.0	38.3	94.7	51.7	81.7	60.5
LSD VALUE	12.4	13.6	15.0	35.0	10.0	3.3	12.2	8.7	5.8
C.V. (%)	8.3	12.8	11.9	58.3	10.2	2.2	10.1	6.0	13.6

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

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

TABLE 33B. PERCENT ESTABLISHMENT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2003-07 DATA

NAME	AR1	IA1	IL1	ME1	NJ1	OK1	SD1	VA1	MEAN
T-1	97.3	73.3	85.0	40.0	63.3	94.7	90.0	91.7	79.4
SHARK (23R)	93.7	76.7	78.3	53.3	63.3	95.7	80.0	93.3	79.3
PENNCROSS	94.0	75.0	78.3	45.0	66.7	92.3	86.7	94.7	79.1
BENGAL	98.7	70.0	85.0	43.3	65.0	93.3	81.7	91.7	78.6
PENN A-1	98.0	76.7	76.7	40.0	66.7	97.0	83.3	88.3	78.3
AUTHORITY (235050)	98.7	70.0	75.0	73.3	60.0	95.7	63.3	90.0	78.3
MEMORIAL (A03-EDI)	95.3	73.3	81.7	55.0	61.7	94.3	68.3	95.0	78.1
INDEPENDENCE	95.0	70.0	76.7	35.0	63.3	94.7	86.7	95.0	77.0
PENNLINKS II	96.7	73.3	80.0	35.0	63.3	93.7	88.3	83.3	76.7
007 (DSB)	98.0	61.7	85.0	48.3	60.0	95.0	71.7	88.3	76.0
LS-44	96.7	71.7	85.0	33.3	60.0	94.3	73.3	93.3	76.0
CY-2	92.0	60.0	86.7	33.3	63.3	96.0	85.0	90.0	75.8
MACKENZIE (SRX 1GPD)	88.3	61.7	75.0	50.0	55.0	96.0	76.7	95.0	74.7
COBRA 2 (IS-AP 9)	92.7	63.3	85.0	43.3	56.7	94.7	70.0	91.7	74.7
DECLARATION	97.3	70.0	83.3	18.3	66.7	94.3	73.3	91.7	74.4
13-M	91.0	73.3	88.3	18.3	61.7	94.7	71.7	93.3	74.0
ALPHA	86.0	65.0	80.0	20.0	63.3	95.0	83.3	93.3	73.3
TYEE (SRX 1GD)	98.0	65.0	73.3	31.7	55.0	96.0	75.0	88.3	72.8
KINGPIN (9200)	90.7	66.7	83.3	31.7	48.3	95.3	76.7	88.3	72.6
BENCHMARK DSR	86.0	68.3	71.7	20.0	48.3	89.3	76.7	81.7	67.8
LSD VALUE	11.3	13.2	13.4	35.7	10.3	3.7	12.6	9.4	5.8
C.V. (%)	7.5	11.9	10.3	57.7	10.5	2.4	10.0	6.4	13.4

TABLE 33C. PERCENT ESTABLISHMENT RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2003-07 DATA

NAME	AR1	IA1	IL1	ME1	NJ1	OK1	SD1	VA1	MEAN
GREENWICH	94.0	56.7	70.0	41.7	68.3	96.3	78.3	95.0	75.0
VILLA (IS-AC 1)	92.7	65.0	78.3	36.7	70.0	95.0	68.3	93.3	74.9
LEGENDARY	91.0	61.7	70.0	45.0	71.7	95.7	75.0	88.3	74.8
VENUS (EFD)	78.3	63.3	78.3	33.3	58.3	96.7	51.7	90.0	68.8
VESPER	85.0	46.7	78.3	21.7	61.7	97.0	61.7	95.0	68.4
SR 7200	81.3	48.3	63.3	25.0	38.3	94.7	51.7	81.7	60.5
LSD VALUE	15.3	14.9	19.5	32.7	9.1	1.5	10.7	5.7	5.8
C.V. (%)	10.9	16.3	16.6	60.0	9.2	1.0	10.3	3.9	14.4

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

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

TABLE 34A. CORE AERIFICATION RECOVERY RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

CORE AERIFICATION RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 3/

NAME	AR1
INDEPENDENCE	7.0
ALPHA	6.8
KINGPIN (9200)	6.8
CY-2	6.8
DECLARATION	6.8
MACKENZIE (SRX 1GPD)	6.8
BENCHMARK DSR	6.7
PENNCROSS	6.7
PENNLINKS II	6.7
BENGAL	6.3
MEMORIAL (A03-EDI)	6.3
TYEE (SRX 1GD)	6.3
13-M	6.3
PENN A-1	6.3
COBRA 2 (IS-AP 9)	6.2
007 (DSB)	6.2
LS-44	6.2
SHARK (23R)	6.0
T-1	6.0
AUTHORITY (235050)	5.8
VENUS (EFD)	4.5
VILLA (IS-AC 1)	4.5
GREENWICH	4.3
VESPER	4.2
SR 7200	4.0
LEGENDARY	3.8
LSD VALUE	1.1
C.V. (%)	11.8

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ CORE AERIFICATION RECOVERY RATED IN 2006-07.

TABLE 34B. CORE AERIFICATION RECOVERY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN 2/  
 2004-07 DATA

CORE AERIFICATION RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 3/

NAME	AR1
INDEPENDENCE	7.0
ALPHA	6.8
KINGPIN (9200)	6.8
CY-2	6.8
DECLARATION	6.8
MACKENZIE (SRX 1GPD)	6.8
BENCHMARK DSR	6.7
PENNCROSS	6.7
PENNLINKS II	6.7
BENGAL	6.3
MEMORIAL (A03-EDI)	6.3
TYEE (SRX 1GD)	6.3
13-M	6.3
PENN A-1	6.3
COBRA 2 (IS-AP 9)	6.2
007 (DSB)	6.2
LS-44	6.2
SHARK (23R)	6.0
T-1	6.0
AUTHORITY (235050)	5.8
LSD VALUE	1.1
C.V. (%)	10.9

TABLE 34C. CORE AERIFICATION RECOVERY RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

CORE AERIFICATION RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 3/

NAME	AR1
VENUS (EFD)	4.5
VILLA (IS-AC 1)	4.5
GREENWICH	4.3
VESPER	4.2
SR 7200	4.0
LEGENDARY	3.8
LSD VALUE	1.1
C.V. (%)	17.7

- 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.
- 3/ CORE AERIFICATION RECOVERY RATED IN 2006-07.

TABLE 35A. SCALPING RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

SCALPING RATINGS 1-9; 9=NONE 3/

NAME	IN1
LEGENDARY	9.0
PENNCROSS	9.0
MEMORIAL (A03-EDI)	8.7
PENNLINKS II	8.7
SR 7200	8.7
VILLA (IS-AC 1)	8.7
ALPHA	8.3
BENGAL	8.3
LS-44	8.3
13-M	8.0
KINGPIN (9200)	8.0
VENUS (EFD)	8.0
VESPER	8.0
GREENWICH	7.7
PENN A-1	7.7
T-1	7.7
COBRA 2 (IS-AP 9)	7.3
MACKENZIE (SRX 1GPD)	7.3
BENCHMARK DSR	7.0
CY-2	6.7
INDEPENDENCE	6.7
DECLARATION	6.3
AUTHORITY (235050)	6.0
TYEE (SRX 1GD)	5.7
007 (DSB)	5.0
SHARK (23R)	4.7
LSD VALUE	2.5
C.V. (%)	20.5

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ SCALPING RATED IN 2006 ONLY.

TABLE 35B. SCALPING RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN 2/  
 2004-07 DATA

SCALPING RATINGS 1-9; 9=NONE 3/

NAME	IN1
PENNCROSS	9.0
MEMORIAL (A03-EDI)	8.7
PENNLINKS II	8.7
ALPHA	8.3
BENGAL	8.3
LS-44	8.3
13-M	8.0
KINGPIN (9200)	8.0
PENN A-1	7.7
T-1	7.7
COBRA 2 (IS-AP 9)	7.3
MACKENZIE (SRX 1GPD)	7.3
BENCHMARK DSR	7.0
CY-2	6.7
INDEPENDENCE	6.7
DECLARATION	6.3
AUTHORITY (235050)	6.0
TYEE (SRX 1GD)	5.7
007 (DSB)	5.0
SHARK (23R)	4.7
LSD VALUE	2.5
C.V. (%)	21.7

TABLE 35C. SCALPING RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

SCALPING RATINGS 1-9; 9=NONE 3/

NAME	IN1
LEGENDARY	9.0
SR 7200	8.7
VILLA (IS-AC 1)	8.7
VENUS (EFD)	8.0
VESPER	8.0
GREENWICH	7.7
LSD VALUE	2.3
C.V. (%)	17.0

- 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.
- 3/ SCALPING RATED IN 2006 ONLY.

TABLE 36A. CANOPY PUFFINESS RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

CANOPY PUFFINESS RATINGS 1-9; 9=SMOOTH 3/

NAME	IN1
PENNCROSS	9.0
VESPER	8.7
VILLA (IS-AC 1)	8.7
LEGENDARY	8.3
PENNLINKS II	8.3
13-M	8.0
LS-44	8.0
MEMORIAL (A03-EDI)	8.0
SR 7200	8.0
DECLARATION	7.7
GREENWICH	7.7
VENUS (EFD)	7.7
ALPHA	7.3
PENN A-1	7.3
SHARK (23R)	7.3
AUTHORITY (235050)	7.0
BENGAL	7.0
COBRA 2 (IS-AP 9)	7.0
KINGPIN (9200)	7.0
T-1	7.0
007 (DSB)	6.7
INDEPENDENCE	6.7
BENCHMARK DSR	6.3
CY-2	6.3
MACKENZIE (SRX 1GPD)	6.3
TYEE (SRX 1GD)	6.3
LSD VALUE	1.8
C.V. (%)	14.7

- 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.
- 3/ CANOPY PUFFINESS RATED IN 2006 ONLY.



TABLE 36B. CANOPY PUFFINESS RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP GROWN ON A GREEN 2/  
 2004-07 DATA

CANOPY PUFFINESS RATINGS 1-9; 9=SMOOTH 3/

NAME	IN1
PENNCROSS	9.0
PENNLINKS II	8.3
13-M	8.0
LS-44	8.0
MEMORIAL (A03-EDI)	8.0
DECLARATION	7.7
ALPHA	7.3
PENN A-1	7.3
SHARK (23R)	7.3
AUTHORITY (235050)	7.0
BENGAL	7.0
COBRA 2 (IS-AP 9)	7.0
KINGPIN (9200)	7.0
T-1	7.0
007 (DSB)	6.7
INDEPENDENCE	6.7
BENCHMARK DSR	6.3
CY-2	6.3
MACKENZIE (SRX 1GPD)	6.3
TYEE (SRX 1GD)	6.3
LSD VALUE	1.7
C.V. (%)	14.4

TABLE 36C. CANOPY PUFFINESS RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

CANOPY PUFFINESS RATINGS 1-9; 9=SMOOTH 3/

NAME	IN1
VESPER	8.7
VILLA (IS-AC 1)	8.7
LEGENDARY	8.3
SR 7200	8.0
GREENWICH	7.7
VENUS (EFD)	7.7
LSD VALUE	2.0
C.V. (%)	15.5

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ CANOPY PUFFINESS RATED IN 2006 ONLY.

TABLE 37A. COPPER SPOT RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

COPPER SPOT RATINGS 1-9; 9=NO DISEASE 3/

NAME	NJ1
PENNLINKS II	6.5
AUTHORITY (235050)	5.8
LS-44	5.8
PENN A-1	5.8
PENNCROSS	5.7
007 (DSB)	5.7
COBRA 2 (IS-AP 9)	5.7
INDEPENDENCE	5.5
TYEE (SRX 1GD)	5.5
DECLARATION	5.3
MEMORIAL (A03-EDI)	5.3
KINGPIN (9200)	5.3
CY-2	4.8
MACKENZIE (SRX 1GPD)	4.8
13-M	4.7
T-1	4.7
BENGAL	4.5
VENUS (EFD)	4.5
ALPHA	4.2
SHARK (23R)	4.2
LEGENDARY	4.2
SR 7200	4.0
VILLA (IS-AC 1)	4.0
VESPER	3.8
BENCHMARK DSR	3.7
GREENWICH	3.2
LSD VALUE	1.6
C.V. (%)	20.9

- 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.
- 3/ COPPER SPOT RATED IN 2004 AND 2007.

TABLE 37B. COPPER SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN 2/  
 2004-07 DATA

COPPER SPOT RATINGS 1-9; 9=NO DISEASE 3/

NAME	NJ1
PENNLINKS II	6.5
AUTHORITY (235050)	5.8
LS-44	5.8
PENN A-1	5.8
PENNCROSS	5.7
007 (DSB)	5.7
COBRA 2 (IS-AP 9)	5.7
INDEPENDENCE	5.5
TYEE (SRX 1GD)	5.5
DECLARATION	5.3
MEMORIAL (A03-EDI)	5.3
KINGPIN (9200)	5.3
CY-2	4.8
MACKENZIE (SRX 1GPD)	4.8
13-M	4.7
T-1	4.7
BENGAL	4.5
ALPHA	4.2
SHARK (23R)	4.2
BENCHMARK DSR	3.7
LSD VALUE	1.7
C.V. (%)	20.1

TABLE 37C. COPPER SPOT RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

COPPER SPOT RATINGS 1-9; 9=NO DISEASE 3/

NAME	NJ1
VENUS (EFD)	4.5
LEGENDARY	4.2
SR 7200	4.0
VILLA (IS-AC 1)	4.0
VESPER	3.8
GREENWICH	3.2
LSD VALUE	1.5
C.V. (%)	24.1

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.

3/ COPPER SPOT RATED IN 2004 AND 2007.

TABLE 38A. SNOW MOLD RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN 2/  
2004-07 DATA

SNOW MOLD RATINGS 1-9; 9=NO DISEASE 3/

NAME	UT1
LEGENDARY	5.5
VESPER	5.5
GREENWICH	5.3
SR 7200	5.3
VILLA (IS-AC 1)	5.3
VENUS (EFD)	5.2
13-M	5.0
DECLARATION	5.0
PENNLINKS II	5.0
ALPHA	4.8
007 (DSB)	4.7
BENGAL	4.7
T-1	4.7
BENCHMARK DSR	4.5
LS-44	4.5
MEMORIAL (A03-EDI)	4.5
PENNCROSS	4.5
SHARK (23R)	4.5
TYEE (SRX 1GD)	4.3
AUTHORITY (235050)	4.3
CY-2	4.3
INDEPENDENCE	4.2
MACKENZIE (SRX 1GPD)	4.2
COBRA 2 (IS-AP 9)	4.0
PENN A-1	4.0
KINGPIN (9200)	3.8
LSD VALUE	1.5
C.V. (%)	24.2

- 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.
- 3/ SNOW MOLD RATED IN 2006-07.

TABLE 38B. SNOW MOLD RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN 2/  
 2004-07 DATA

SNOW MOLD RATINGS 1-9; 9=NO DISEASE 3/

NAME	UT1
13-M	5.0
DECLARATION	5.0
PENNLINKS II	5.0
ALPHA	4.8
007 (DSB)	4.7
BENGAL	4.7
T-1	4.7
BENCHMARK DSR	4.5
LS-44	4.5
MEMORIAL (A03-EDI)	4.5
PENNCROSS	4.5
SHARK (23R)	4.5
TYEE (SRX 1GD)	4.3
AUTHORITY (235050)	4.3
CY-2	4.3
INDEPENDENCE	4.2
MACKENZIE (SRX 1GPD)	4.2
COBRA 2 (IS-AP 9)	4.0
PENN A-1	4.0
KINGPIN (9200)	3.8
LSD VALUE	1.7
C.V. (%)	26.3

TABLE 38C. SNOW MOLD RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA

SNOW MOLD RATINGS 1-9; 9=NO DISEASE 3/

NAME	UT1
LEGENDARY	5.5
VESPER	5.5
GREENWICH	5.3
SR 7200	5.3
VILLA (IS-AC 1)	5.3
VENUS (EFD)	5.2
LSD VALUE	0.4
C.V. (%)	13.7

- 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.
- 3/ SNOW MOLD RATED IN 2006-07.

TABLE 39A. PERCENT DAMAGED RATINGS BY SOD WEBWORMS OF BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA 3/

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

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ PERCENT DAMAGED RATINGS BY SOD WEBWORMS RATED IN 2004 ONLY.

TABLE 39B. PERCENT DAMAGED RATINGS BY SOD WEBWORMS OF CREEPING BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA 3/

NAME	VA1
TYEE (SRX 1GD)	50.0
MACKENZIE (SRX 1GPD)	46.7
AUTHORITY (235050)	35.0
BENGAL	33.3
007 (DSB)	31.7
SHARK (23R)	25.0
T-1	23.3
COBRA 2 (IS-AP 9)	21.7
INDEPENDENCE	21.7
MEMORIAL (A03-EDI)	20.0
KINGPIN (9200)	13.3
LS-44	13.3
ALPHA	11.7
CY-2	11.7
PENN A-1	11.7
DECLARATION	10.0
PENNLINKS II	10.0
13-M	8.3
BENCHMARK DSR	5.0
PENNCROSS	1.7
LSD VALUE	33.6
C.V. (%)	103.2

TABLE 39C. PERCENT DAMAGED RATINGS BY SOD WEBWORMS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN 2/  
 2004-07 DATA 3/

NAME	VA1
VILLA (IS-AC 1)	86.3
GREENWICH	83.3
LEGENDARY	83.3
VENUS (EFD)	83.3
VESPER	83.3
SR 7200	70.0
LSD VALUE	20.3
C.V. (%)	15.4

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.

3/ PERCENT DAMAGED RATINGS BY SOD WEBWORMS RATED IN 2004 ONLY.

TABLE 40A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/  
2004-07 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	JUNE	AUGUST	MEAN
DECLARATION	9.0	8.3	8.7
MEMORIAL (A03-EDI)	9.0	8.0	8.5
13-M	8.7	7.7	8.2
LEGENDARY	9.0	7.3	8.2
VENUS (EFD)	9.0	7.3	8.2
KINGPIN (9200)	8.7	7.3	8.0
PENNLINKS II	8.0	8.0	8.0
VILLA (IS-AC 1)	8.7	7.3	8.0
VESPER	8.7	7.0	7.8
BENCHMARK DSR	8.7	6.7	7.7
SR 7200	8.7	6.7	7.7
GREENWICH	8.7	6.3	7.5
COBRA 2 (IS-AP 9)	8.0	6.7	7.3
007 (DSB)	8.0	6.3	7.2
AUTHORITY (235050)	8.0	6.3	7.2
CY-2	8.3	6.0	7.2
PENNCROSS	7.7	6.7	7.2
LS-44	8.0	6.0	7.0
PENN A-1	8.0	5.3	6.7
MACKENZIE (SRX 1GPD)	8.0	4.3	6.2
SHARK (23R)	7.7	4.0	5.8
ALPHA	7.0	4.0	5.5
TYEE (SRX 1GD)	7.0	3.7	5.3
INDEPENDENCE	6.0	3.7	4.8
T-1	6.3	3.3	4.8
BENGAL	6.0	2.7	4.3
LSD VALUE	1.2	1.3	1.0
C.V. (%)	9.1	14.3	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.
- 3/ DOLLAR SPOT RATED IN 2005 ONLY.



TABLE 40B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN AT FAYETTEVILLE, AR 1/  
 2004-07 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	JUNE	AUGUST	MEAN
DECLARATION	9.0	8.3	8.7
MEMORIAL (A03-EDI)	9.0	8.0	8.5
13-M	8.7	7.7	8.2
KINGPIN (9200)	8.7	7.3	8.0
PENNLINKS II	8.0	8.0	8.0
BENCHMARK DSR	8.7	6.7	7.7
COBRA 2 (IS-AP 9)	8.0	6.7	7.3
007 (DSB)	8.0	6.3	7.2
AUTHORITY (235050)	8.0	6.3	7.2
CY-2	8.3	6.0	7.2
PENNCROSS	7.7	6.7	7.2
LS-44	8.0	6.0	7.0
PENN A-1	8.0	5.3	6.7
MACKENZIE (SRX 1GPD)	8.0	4.3	6.2
SHARK (23R)	7.7	4.0	5.8
ALPHA	7.0	4.0	5.5
TYEE (SRX 1GD)	7.0	3.7	5.3
INDEPENDENCE	6.0	3.7	4.8
T-1	6.3	3.3	4.8
BENGAL	6.0	2.7	4.3
LSD VALUE	1.4	1.4	1.1
C.V. (%)	10.4	15.7	10.6

TABLE 40C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN AT FAYETTEVILLE, AR 1/  
 2004-07 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	JUNE	AUGUST	MEAN
LEGENDARY	9.0	7.3	8.2
VENUS (EFD)	9.0	7.3	8.2
VILLA (IS-AC 1)	8.7	7.3	8.0
VESPER	8.7	7.0	7.8
SR 7200	8.7	6.7	7.7
GREENWICH	8.7	6.3	7.5
LSD VALUE	1.1	1.7	1.1
C.V. (%)	5.0	10.1	5.9

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ DOLLAR SPOT RATED IN 2005 ONLY.

TABLE 41A.

DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT WEST LAFAYETTE, IN 1/  
2004-07 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

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

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

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

3/ DOLLAR SPOT RATED IN 2004 ONLY.

TABLE 41B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN AT WEST LAFAYETTE, IN 1/  
 2004-07 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	MAY 21	MAY 28	JUNE	JULY 19	JULY 23	AUGUST	MEAN
DECLARATION	9.0	9.0	9.0	9.0	8.7	8.7	8.9
007 (DSB)	9.0	8.7	9.0	9.0	8.7	8.3	8.8
MEMORIAL (A03-EDI)	9.0	9.0	9.0	9.0	8.7	8.0	8.8
13-M	9.0	8.3	9.0	9.0	9.0	7.3	8.6
KINGPIN (9200)	9.0	8.7	9.0	9.0	8.0	7.7	8.6
BENCHMARK DSR	9.0	8.3	9.0	9.0	7.7	7.7	8.4
PENN A-1	9.0	8.7	9.0	9.0	8.0	6.3	8.3
CY-2	9.0	9.0	9.0	9.0	7.0	6.0	8.2
SHARK (23R)	9.0	8.7	9.0	9.0	7.3	6.3	8.2
AUTHORITY (235050)	8.7	8.3	9.0	9.0	7.0	6.7	8.1
COBRA 2 (IS-AP 9)	9.0	8.7	9.0	9.0	6.3	6.3	8.1
MACKENZIE (SRX 1GPD)	8.3	8.3	8.3	9.0	6.7	6.3	7.8
PENNLINKS II	8.3	8.0	8.7	9.0	7.0	6.0	7.8
ALPHA	9.0	8.0	9.0	9.0	6.3	4.0	7.6
LS-44	8.3	8.3	9.0	8.3	6.3	3.7	7.3
PENNCROSS	8.0	7.3	9.0	8.3	5.3	5.0	7.2
TYEE (SRX 1GD)	8.3	7.7	8.7	9.0	5.3	4.0	7.2
BENGAL	8.0	8.0	8.0	8.0	4.7	3.3	6.7
T-1	8.0	7.7	8.0	8.3	5.0	2.7	6.6
INDEPENDENCE	7.3	7.3	6.7	7.3	3.7	3.0	5.9
LSD VALUE	1.6	3.0	1.2	1.5	2.1	1.9	1.2
C.V. (%)	7.9	11.6	7.2	7.2	18.3	20.8	8.7

TABLE 41C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN AT WEST LAFAYETTE, IN 1/  
 2004-07 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	MAY 21	MAY 28	JUNE	JULY 19	JULY 23	AUGUST	MEAN
GREENWICH	9	9	9	9	9.0	9.0	9.0
LEGENDARY	9	9	9	9	9.0	9.0	9.0
SR 7200	9	9	9	9	9.0	9.0	9.0
VENUS (EFD)	9	9	9	9	9.0	9.0	9.0
VILLA (IS-AC 1)	9	9	9	9	9.0	9.0	9.0
VESPER	9	9	9	9	8.7	7.0	8.6
LSD VALUE	0	0	0	0	0.6	0.7	0.1
C.V. (%)	0	0	0	0	2.6	4.7	0.9

- 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.
- 3/ DOLLAR SPOT RATED IN 2004 ONLY.

TABLE 42A. PERCENT DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN AT LEXINGTON, KY 2/  
2004-07 DATA

NAME	MAY 2004	JUN 10 2004	JUNE 29 2004	JULY 2004	AUGUST 2004	JULY 19 2005	JULY 26 2005	AUGUST 2005	OCTOBER 2005
INDEPENDENCE	12.7	24.0	30.7	13.7	28.3	27.7	15.7	15.7	28.3
PENNCROSS	6.3	13.0	15.0	16.7	33.3	46.7	41.7	15.0	33.3
T-1	10.0	14.0	20.7	12.3	23.0	21.0	15.0	18.0	33.3
SHARK (23R)	8.7	15.7	21.7	14.7	31.7	22.3	13.3	20.0	43.3
BENGAL	11.7	20.7	30.0	19.0	17.0	22.7	15.3	17.3	35.0
ALPHA	11.7	25.0	31.7	8.0	31.7	17.3	12.3	17.3	23.3
LS-44	8.0	14.0	18.0	17.3	22.3	13.7	5.0	19.0	35.0
MACKENZIE (SRX 1GPD)	6.7	13.0	18.3	15.0	21.7	13.3	5.7	11.3	24.0
PENN A-1	8.0	12.3	17.3	12.0	17.7	14.0	8.0	10.3	25.7
TYEE (SRX 1GD)	5.7	11.3	16.0	15.7	12.7	13.0	6.7	12.0	25.0
AUTHORITY (235050)	6.0	15.7	21.7	12.3	16.7	9.0	3.3	8.0	23.3
COBRA 2 (IS-AP 9)	7.7	20.0	21.7	6.3	12.3	10.3	3.0	12.7	18.0
PENNLINKS II	7.3	14.7	18.0	7.7	10.0	9.3	5.0	6.7	16.0
VESPER	3.3	12.0	16.7	0.0	40.0	0.0	0.0	10.0	13.7
SR 7200	0.0	6.7	8.0	1.7	19.0	0.0	0.0	12.3	16.7
007 (DSB)	5.0	8.7	11.7	7.0	11.0	9.7	5.7	11.0	19.0
CY-2	3.3	9.0	12.0	7.3	13.0	3.3	0.0	6.7	12.0
13-M	6.3	17.3	16.0	7.3	20.0	4.3	0.7	9.7	16.0
GREENWICH	1.7	7.7	9.3	0.0	21.7	0.0	0.0	11.0	10.3
BENCHMARK DSR	5.3	10.3	14.7	12.3	16.7	2.3	2.3	4.0	13.3
KINGPIN (9200)	4.7	8.0	13.0	7.7	14.0	7.0	1.7	4.7	12.0
LEGENDARY	3.0	12.3	10.7	0.0	34.0	0.0	0.0	7.7	10.3
MEMORIAL (A03-EDI)	2.0	6.3	10.7	6.3	10.7	2.0	0.0	5.3	14.0
VENUS (EFD)	0.0	6.0	7.3	0.0	8.0	0.0	0.0	5.0	8.0
DECLARATION	3.3	8.7	9.3	6.7	8.3	0.0	0.0	1.7	8.0
VILLA (IS-AC 1)	1.0	7.7	7.0	0.0	9.0	0.0	0.0	6.0	7.0
LSD VALUE	5.5	12.1	9.5	8.0	18.2	6.5	5.7	5.8	14.3
C.V. (%)	55.4	46.8	34.5	55.3	49.4	42.3	61.8	33.6	41.9

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 42A. (CONT'D)

PERCENT DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN AT LEXINGTON, KY 2/  
2004-07 DATA

NAME	MAY 2006	JULY 2006	AUGUST 3 2006	AUGUST 28 2006	SEPTEMBER 2006	OCTOBER 2006	JUNE 2007	MEAN
INDEPENDENCE	40.0	17.7	25.0	14.0	13.3	19.7	45.0	27.6
PENNCROSS	36.7	14.0	0.0	13.3	13.0	21.7	39.0	26.6
T-1	35.0	13.7	6.0	17.3	16.3	27.3	48.3	26.4
SHARK (23R)	28.3	13.0	6.3	16.0	16.7	19.3	41.7	25.4
BENGAL	36.7	12.3	25.7	13.3	14.7	26.7	35.0	24.7
ALPHA	26.7	12.7	8.3	14.0	14.7	21.7	39.3	23.7
LS-44	25.0	14.0	3.7	18.3	15.7	17.3	25.0	18.7
MACKENZIE (SRX 1GPD)	12.7	9.0	4.3	9.0	10.7	15.7	33.3	18.0
PENN A-1	21.7	17.3	30.0	6.0	10.7	16.3	24.3	17.3
TYEE (SRX 1GD)	20.0	11.0	3.7	4.3	6.3	24.0	27.3	16.3
AUTHORITY (235050)	11.7	10.7	22.7	6.3	8.0	10.3	23.3	15.1
COBRA 2 (IS-AP 9)	14.7	11.7	27.0	6.7	6.3	11.3	20.0	14.4
PENNLINKS II	8.3	4.3	36.7	5.3	8.0	10.7	21.3	13.6
VESPER	8.3	3.3	19.7	5.3	4.7	8.3	24.0	13.1
SR 7200	13.0	3.3	11.7	5.0	7.7	10.0	27.3	12.5
Q07 (DSB)	5.3	9.7	2.7	6.0	5.0	8.0	19.3	11.4
CY-2	6.7	8.7	20.0	0.0	3.0	6.0	21.7	10.9
13-M	4.0	4.0	23.7	8.0	6.0	5.0	13.0	10.6
GREENWICH	6.7	2.3	14.0	7.3	6.0	8.0	19.0	9.9
BENCHMARK DSR	0.0	5.7	10.0	6.3	5.3	7.0	10.7	8.4
KINGPIN (9200)	2.0	4.3	36.7	1.0	2.0	8.0	8.7	8.4
LEGENDARY	3.3	2.0	4.0	1.7	3.7	4.7	8.7	7.1
MEMORIAL (A03-EDI)	1.0	5.0	20.0	3.0	3.3	5.7	7.7	6.6
VENUS (EFD)	5.7	1.7	2.7	2.0	3.7	5.7	12.3	5.9
DECLARATION	0.0	0.7	2.7	1.0	1.0	3.7	11.0	5.5
VILLA (IS-AC 1)	1.0	1.7	7.3	0.0	0.7	3.7	7.7	4.6
LSD VALUE	9.6	8.0	20.5	6.1	4.7	6.1	14.7	6.5
C.V. (%)	43.9	56.6	78.0	51.8	38.0	31.8	38.4	58.5

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.

Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP

TABLE 42B.

PERCENT DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN AT LEXINGTON, KY 2/  
2004-07 DATA

NAME	MAY 2004	JUN 10 2004	JUNE 29 2004	JULY 2004	AUGUST 2004	JULY 19 2005	JULY 26 2005	AUGUST 2005	OCTOBER 2005
INDEPENDENCE	12.7	24.0	30.7	13.7	28.3	27.7	15.7	15.7	28.3
PENNCROSS	6.3	13.0	15.0	16.7	33.3	46.7	41.7	15.0	33.3
T-1	10.0	14.0	20.7	12.3	23.0	21.0	15.0	18.0	33.3
SHARK (23R)	8.7	15.7	21.7	14.7	31.7	22.3	13.3	20.0	43.3
BENGAL	11.7	20.7	30.0	19.0	17.0	22.7	15.3	17.3	35.0
ALPHA	11.7	25.0	31.7	8.0	31.7	17.3	12.3	17.3	23.3
LS-44	8.0	14.0	18.0	17.3	22.3	13.7	5.0	19.0	35.0
MACKENZIE (SRX 1GPD)	6.7	13.0	18.3	15.0	21.7	13.3	5.7	11.3	24.0
PENN A-1	8.0	12.3	17.3	12.0	17.7	14.0	8.0	10.3	25.7
TYEE (SRX 1GD)	5.7	11.3	16.0	15.7	12.7	13.0	6.7	12.0	25.0
AUTHORITY (235050)	6.0	15.7	21.7	12.3	16.7	9.0	3.3	8.0	23.3
COBRA 2 (IS-AP 9)	7.7	20.0	21.7	6.3	12.3	10.3	3.0	12.7	18.0
PENNLINKS II	7.3	14.7	18.0	7.7	10.0	9.3	5.0	6.7	16.0
007 (DSB)	5.0	8.7	11.7	7.0	11.0	9.7	5.7	11.0	19.0
CY-2	3.3	9.0	12.0	7.3	13.0	3.3	0.0	6.7	12.0
13-M	6.3	17.3	16.0	7.3	20.0	4.3	0.7	9.7	16.0
BENCHMARK DSR	5.3	10.3	14.7	12.3	16.7	2.3	2.3	4.0	13.3
KINGPIN (9200)	4.7	8.0	13.0	7.7	14.0	7.0	1.7	4.7	12.0
MEMORIAL (A03-EDI)	2.0	6.3	10.7	6.3	10.7	2.0	0.0	5.3	14.0
DECLARATION	3.3	8.7	9.3	6.7	8.3	0.0	0.0	1.7	8.0
LSD VALUE	7.1	13.5	11.1	11.4	19.3	7.6	6.6	5.4	17.6
C.V. (%)	48.5	44.7	33.4	46.2	49.2	36.9	53.9	30.2	41.5

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.

Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP

TABLE 42B. (CONT'D) PERCENT DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN AT LEXINGTON, KY 2/  
2004-07 DATA

NAME	MAY 2006	JULY 2006	AUGUST 3 2006	AUGUST 28 2006	SEPTEMBER 2006	OCTOBER 2006	JUNE 2007	MEAN
INDEPENDENCE	40.0	17.7	25.0	14.0	13.3	19.7	45.0	27.6
PENNCROSS	36.7	14.0	0.0	13.3	13.0	21.7	39.0	26.6
T-1	35.0	13.7	6.0	17.3	16.3	27.3	48.3	26.4
SHARK (23R)	28.3	13.0	6.3	16.0	16.7	19.3	41.7	25.4
BENGAL	36.7	12.3	25.7	13.3	14.7	26.7	35.0	24.7
ALPHA	26.7	12.7	8.3	14.0	14.7	21.7	39.3	23.7
LS-44	25.0	14.0	3.7	18.3	15.7	17.3	25.0	18.7
MACKENZIE (SRX 1GPD)	12.7	9.0	4.3	9.0	10.7	15.7	33.3	18.0
PENN A-1	21.7	17.3	30.0	6.0	10.7	16.3	24.3	17.3
TYEE (SRX 1GD)	20.0	11.0	3.7	4.3	6.3	24.0	27.3	16.3
AUTHORITY (235050)	11.7	10.7	22.7	6.3	8.0	10.3	23.3	15.1
COBRA 2 (IS-AP 9)	14.7	11.7	27.0	6.7	6.3	11.3	20.0	14.4
PENNLINKS II	8.3	4.3	36.7	5.3	8.0	10.7	21.3	13.6
007 (DSB)	5.3	9.7	2.7	6.0	5.0	8.0	19.3	11.4
CY-2	6.7	8.7	20.0	0.0	3.0	6.0	21.7	10.9
13-M	4.0	4.0	23.7	8.0	6.0	5.0	13.0	10.6
BENCHMARK DSR	0.0	5.7	10.0	6.3	5.3	7.0	10.7	8.4
KINGPIN (9200)	2.0	4.3	36.7	1.0	2.0	8.0	8.7	8.4
MEMORIAL (A03-EDI)	1.0	5.0	20.0	3.0	3.3	5.7	7.7	6.6
DECLARATION	0.0	0.7	2.7	1.0	1.0	3.7	11.0	5.5
LSD VALUE	10.3	8.0	21.1	6.7	4.8	6.8	15.3	6.9
C.V. (%)	39.8	44.7	73.9	48.3	34.1	30.4	36.1	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 42C. PERCENT DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN AT LEXINGTON, KY 2/  
2004-07 DATA

NAME	MAY 2004	JUN 10 2004	JUNE 29 2004	JULY 2004	AUGUST 2004	JULY 19 2005	JULY 26 2005	AUGUST 2005	OCTOBER 2005
VESPER	3.3	12.0	16.7	0.0	40.0	0	0	10.0	13.7
SR 7200	0.0	6.7	8.0	1.7	19.0	0	0	12.3	16.7
GREENWICH	1.7	7.7	9.3	0.0	21.7	0	0	11.0	10.3
LEGENDARY	3.0	12.3	10.7	0.0	34.0	0	0	7.7	10.3
VENUS (EFD)	0.0	6.0	7.3	0.0	8.0	0	0	5.0	8.0
VILLA (IS-AC 1)	1.0	7.7	7.0	0.0	9.0	0	0	6.0	7.0
LSD VALUE	5.9	10.2	6.3	2.8	20.9	0	0	9.4	6.6
C.V. (%)	166.4	50.5	32.3	424.3	48.7	.	.	47.7	29.9

TABLE 42C. (CONT'D) PERCENT DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN AT LEXINGTON, KY 2/  
2004-07 DATA

NAME	MAY 2006	JULY 2006	AUGUST 3 2006	AUGUST 28 2006	SEPTEMBER 2006	OCTOBER 2006	JUNE 2007	MEAN
VESPER	8.3	3.3	19.7	5.3	4.7	8.3	24.0	13.1
SR 7200	13.0	3.3	11.7	5.0	7.7	10.0	27.3	12.5
GREENWICH	6.7	2.3	14.0	7.3	6.0	8.0	19.0	9.9
LEGENDARY	3.3	2.0	4.0	1.7	3.7	4.7	8.7	7.1
VENUS (EFD)	5.7	1.7	2.7	2.0	3.7	5.7	12.3	5.9
VILLA (IS-AC 1)	1.0	1.7	7.3	0.0	0.7	3.7	7.7	4.6
LSD VALUE	9.6	9.2	22.5	5.6	5.5	4.5	15.5	6.5
C.V. (%)	72.1	148.1	99.3	76.5	58.9	33.2	46.5	80.7

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 43A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT ST. PAUL, MN 1/  
2004-07 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	JULY 20	JULY 28	AUGUST	MEAN
VILLA (IS-AC 1)	9.0	9.0	9.0	9.0
DECLARATION	9.0	8.7	8.3	8.7
GREENWICH	9.0	8.3	8.7	8.7
VENUS (EFD)	9.0	8.7	8.3	8.7
LEGENDARY	8.7	8.7	8.3	8.6
SR 7200	8.7	8.7	8.0	8.4
13-M	8.7	8.3	8.0	8.3
MEMORIAL (A03-EDI)	8.7	8.3	8.0	8.3
PENNLINKS II	8.3	8.0	7.3	7.9
BENCHMARK DSR	8.7	8.0	6.7	7.8
KINGPIN (9200)	8.0	7.7	7.0	7.6
VESPER	7.7	7.3	7.3	7.4
CY-2	7.3	7.3	6.7	7.1
007 (DSB)	7.7	6.7	6.7	7.0
PENN A-1	6.7	7.0	6.0	6.6
COBRA 2 (IS-AP 9)	6.3	6.0	5.7	6.0
AUTHORITY (235050)	6.0	5.3	5.3	5.6
LS-44	6.3	5.3	5.0	5.6
TYEE (SRX 1GD)	5.0	5.3	3.5	5.1
PENNCROSS	5.0	5.0	3.7	4.6
MACKENZIE (SRX 1GPD)	4.7	4.0	4.3	4.3
T-1	4.7	4.0	4.0	4.2
BENGAL	4.3	4.0	3.7	4.0
ALPHA	4.3	3.3	3.3	3.7
SHARK (23R)	4.0	3.7	3.0	3.6
INDEPENDENCE	3.7	3.0	3.7	3.4
LSD VALUE	1.8	1.7	1.5	1.6
C.V. (%)	17.1	16.9	15.5	15.8

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

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

3/ DOLLAR SPOT RATED IN 2006 ONLY.

TABLE 43B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN AT ST. PAUL, MN 1/  
 2004-07 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	JULY 20	JULY 28	AUGUST	MEAN
DECLARATION	9.0	8.7	8.3	8.7
13-M	8.7	8.3	8.0	8.3
MEMORIAL (A03-EDI)	8.7	8.3	8.0	8.3
PENNLINKS II	8.3	8.0	7.3	7.9
BENCHMARK DSR	8.7	8.0	6.7	7.8
KINGPIN (9200)	8.0	7.7	7.0	7.6
CY-2	7.3	7.3	6.7	7.1
007 (DSB)	7.7	6.7	6.7	7.0
PENN A-1	6.7	7.0	6.0	6.6
COBRA 2 (IS-AP 9)	6.3	6.0	5.7	6.0
AUTHORITY (235050)	6.0	5.3	5.3	5.6
LS-44	6.3	5.3	5.0	5.6
TYEE (SRX 1GD)	5.0	5.3	3.5	5.1
PENNCROSS	5.0	5.0	3.7	4.6
MACKENZIE (SRX 1GPD)	4.7	4.0	4.3	4.3
T-1	4.7	4.0	4.0	4.2
BENGAL	4.3	4.0	3.7	4.0
ALPHA	4.3	3.3	3.3	3.7
SHARK (23R)	4.0	3.7	3.0	3.6
INDEPENDENCE	3.7	3.0	3.7	3.4
LSD VALUE	2.1	1.9	1.4	1.8
C.V. (%)	20.3	20.0	16.7	18.6

TABLE 43C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN AT ST. PAUL, MN 1/  
 2004-07 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	JULY 20	JULY 28	AUGUST	MEAN
VILLA (IS-AC 1)	9.0	9.0	9.0	9.0
GREENWICH	9.0	8.3	8.7	8.7
VENUS (EFD)	9.0	8.7	8.3	8.7
LEGENDARY	8.7	8.7	8.3	8.6
SR 7200	8.7	8.7	8.0	8.4
VESPER	7.7	7.3	7.3	7.4
LSD VALUE	1.1	1.4	1.7	1.2
C.V. (%)	6.0	8.0	9.3	6.7

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

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

3/ DOLLAR SPOT RATED IN 2006 ONLY.

TABLE 44A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT RALEIGH, NC 1/  
2004-07 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

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

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

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

3/ DOLLAR SPOT RATED IN 2005 ONLY.

TABLE 44B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN AT RALEIGH, NC 1/  
 2004-07 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

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

TABLE 44C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN AT RALEIGH, NC 1/  
 2004-07 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/

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

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

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

3/ DOLLAR SPOT RATED IN 2005 ONLY.

TABLE 45A.

DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT BLACKSBURG, VA 1/  
2004-07 DATA

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

NAME	JUNE 2005	AUGUST 2005	SEPTEMBER 2005	OCTOBER 2005	NOVEMBER 2005	JULY 14 2006	JULY 27 2006	OCTOBER 2006	MEAN
SR 7200	8.3	8.0	8.3	7.7	7.3	8.3	9.0	9.0	8.4
13-M	9.0	8.3	8.3	8.3	7.7	8.7	8.3	8.0	8.3
DECLARATION	8.3	7.7	7.7	7.3	7.7	9.0	8.7	8.7	8.3
MEMORIAL (A03-EDI)	8.7	8.0	8.0	7.3	7.7	8.7	9.0	8.3	8.3
VILLA (IS-AC 1)	9.0	7.7	8.0	8.7	8.0	8.3	8.3	8.3	8.3
LEGENDARY	7.7	8.0	8.0	8.3	7.0	8.7	8.7	8.3	8.2
VENUS (EFD)	8.7	8.7	7.3	8.7	6.3	8.7	8.7	8.0	8.2
BENCHMARK DSR	7.0	6.7	7.3	8.3	7.7	8.7	8.3	8.0	7.9
KINGPIN (9200)	8.7	7.3	7.7	7.3	7.7	8.3	7.7	8.3	7.9
CY-2	8.3	7.3	7.0	7.7	7.3	8.0	8.0	8.3	7.8
PENNLINKS II	8.3	7.7	7.0	6.7	7.7	7.3	8.3	8.0	7.7
AUTHORITY (235050)	8.7	7.7	6.3	6.3	6.3	8.3	8.0	8.3	7.6
GREENWICH	7.7	7.3	6.3	7.3	7.0	8.7	7.7	8.0	7.6
PENN A-1	8.3	6.7	6.0	7.3	6.7	7.7	7.7	8.7	7.5
007 (DSB)	8.3	7.3	7.0	5.0	6.3	8.3	7.3	8.3	7.4
COBRA 2 (IS-AP 9)	6.7	6.7	6.0	7.3	7.0	7.7	7.3	8.7	7.3
MACKENZIE (SRX 1GPD)	9.0	7.0	6.3	7.0	6.7	6.7	6.3	8.3	7.2
PENNCROSS	7.3	6.3	5.0	8.3	7.7	6.7	8.0	7.7	7.2
VESPER	7.0	7.3	6.0	5.7	5.7	8.7	8.0	7.7	7.2
LS-44	7.3	6.3	5.7	7.3	7.0	6.7	6.7	8.7	7.0
ALPHA	7.7	5.0	5.3	5.7	7.0	7.0	6.7	8.0	6.7
T-1	8.0	5.7	5.0	7.0	7.3	6.7	5.7	7.7	6.6
TYEE (SRX 1GD)	6.7	5.0	4.3	7.0	6.3	7.0	6.0	7.3	6.3
SHARK (23R)	8.0	5.7	4.3	4.0	5.0	6.3	7.0	7.7	6.2
BENGAL	7.0	5.0	3.0	4.3	6.3	6.0	6.0	6.3	5.6
INDEPENDENCE	5.7	3.7	4.7	6.3	6.7	5.3	4.7	5.7	5.3
LSD VALUE	1.5	1.3	2.2	2.0	3.1	1.4	1.7	2.1	0.8
C.V. (%)	10.4	11.8	19.9	16.6	15.8	10.6	13.3	11.5	10.4

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

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

TABLE 45B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN AT BLACKSBURG, VA 1/  
 2004-07 DATA

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

NAME	JUNE 2005	AUGUST 2005	SEPTEMBER 2005	OCTOBER 2005	NOVEMBER 2005	JULY 14 2006	JULY 27 2006	OCTOBER 2006	MEAN
13-M	9.0	8.3	8.3	8.3	7.7	8.7	8.3	8.0	8.3
DECLARATION	8.3	7.7	7.7	7.3	7.7	9.0	8.7	8.7	8.3
MEMORIAL (A03-EDI)	8.7	8.0	8.0	7.3	7.7	8.7	9.0	8.3	8.3
BENCHMARK DSR	7.0	6.7	7.3	8.3	7.7	8.7	8.3	8.0	7.9
KINGPIN (9200)	8.7	7.3	7.7	7.3	7.7	8.3	7.7	8.3	7.9
CY-2	8.3	7.3	7.0	7.7	7.3	8.0	8.0	8.3	7.8
PENNLINKS II	8.3	7.7	7.0	6.7	7.7	7.3	8.3	8.0	7.7
AUTHORITY (235050)	8.7	7.7	6.3	6.3	6.3	8.3	8.0	8.3	7.6
PENN A-1	8.3	6.7	6.0	7.3	6.7	7.7	7.7	8.7	7.5
007 (DSB)	8.3	7.3	7.0	5.0	6.3	8.3	7.3	8.3	7.4
COBRA 2 (IS-AP 9)	6.7	6.7	6.0	7.3	7.0	7.7	7.3	8.7	7.3
MACKENZIE (SRX 1GPD)	9.0	7.0	6.3	7.0	6.7	6.7	6.3	8.3	7.2
PENNCROSS	7.3	6.3	5.0	8.3	7.7	6.7	8.0	7.7	7.2
LS-44	7.3	6.3	5.7	7.3	7.0	6.7	6.7	8.7	7.0
ALPHA	7.7	5.0	5.3	5.7	7.0	7.0	6.7	8.0	6.7
T-1	8.0	5.7	5.0	7.0	7.3	6.7	5.7	7.7	6.6
TYEE (SRX 1GD)	6.7	5.0	4.3	7.0	6.3	7.0	6.0	7.3	6.3
SHARK (23R)	8.0	5.7	4.3	4.0	5.0	6.3	7.0	7.7	6.2
BENGAL	7.0	5.0	3.0	4.3	6.3	6.0	6.0	6.3	5.6
INDEPENDENCE	5.7	3.7	4.7	6.3	6.7	5.3	4.7	5.7	5.3
LSD VALUE	1.7	1.3	2.3	2.3	2.5	1.5	1.6	1.6	0.8
C.V. (%)	11.5	12.3	21.5	18.3	14.4	11.7	13.1	10.5	10.8

TABLE 45C.

DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN AT BLACKSBURG, VA 1/  
 2004-07 DATA

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

NAME	JUNE 2005	AUGUST 2005	SEPTEMBER 2005	OCTOBER 2005	NOVEMBER 2005	JULY 14 2006	JULY 27 2006	OCTOBER 2006	MEAN
SR 7200	8.3	8.0	8.3	7.7	7.3	8.3	9.0	9.0	8.4
VILLA (IS-AC 1)	9.0	7.7	8.0	8.7	8.0	8.3	8.3	8.3	8.3
LEGENDARY	7.7	8.0	8.0	8.3	7.0	8.7	8.7	8.3	8.2
VENUS (EFD)	8.7	8.7	7.3	8.7	6.3	8.7	8.7	8.0	8.2
GREENWICH	7.7	7.3	6.3	7.3	7.0	8.7	7.7	8.0	7.6
VESPER	7.0	7.3	6.0	5.7	5.7	8.7	8.0	7.7	7.2
LSD VALUE	0.9	2.0	2.5	1.3	3.3	1.7	2.9	2.0	1.0
C.V. (%)	6.3	10.9	15.9	9.4	20.1	7.9	13.9	10.3	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 46A.

BROWN PATCH RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT BLACKSBURG, VA 1/  
2004-07 DATA

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

NAME	JUNE 2004	JULY 2004	JUNE 2005	JULY 2005	JULY 2006	SEPTEMBER 2006	MEAN
GREENWICH	9.0	9.0	9.0	8.0	9.0	9.0	8.8
LEGENDARY	8.0	9.0	9.0	9.0	9.0	9.0	8.8
VILLA (IS-AC 1)	9.0	9.0	7.7	8.7	8.7	9.0	8.7
VESPER	8.3	9.0	9.0	7.3	9.0	9.0	8.6
MACKENZIE (SRX 1GPD)	8.0	9.0	8.0	8.3	8.3	9.0	8.4
SR 7200	8.7	7.7	7.7	8.7	9.0	9.0	8.4
VENUS (EFD)	8.0	9.0	8.3	7.7	8.7	9.0	8.4
TYEE (SRX 1GD)	7.3	9.0	6.3	8.3	8.0	8.3	7.9
007 (DSB)	7.0	8.0	8.0	7.7	7.3	9.0	7.8
ALPHA	7.7	9.0	7.3	7.7	6.7	8.7	7.8
BENGAL	7.7	8.3	8.0	7.7	6.7	8.7	7.8
DECLARATION	7.0	7.7	8.3	6.7	8.0	9.0	7.8
LS-44	7.0	9.0	8.0	7.3	6.7	8.3	7.7
AUTHORITY (235050)	7.0	9.0	8.0	6.0	7.3	8.0	7.6
13-M	7.7	8.7	7.0	6.7	7.3	7.7	7.5
INDEPENDENCE	7.3	9.0	6.0	6.7	7.7	8.3	7.5
SHARK (23R)	7.0	9.0	7.0	5.7	7.3	8.3	7.4
KINGPIN (9200)	8.0	9.0	5.3	6.0	6.7	8.7	7.3
MEMORIAL (A03-EDI)	7.7	8.3	6.3	6.7	6.7	8.3	7.3
T-1	6.3	8.7	6.7	8.0	7.0	7.0	7.3
CY-2	7.7	9.0	5.7	4.7	7.0	8.0	7.0
PENN A-1	6.7	7.7	7.0	6.3	5.3	9.0	7.0
BENCHMARK DSR	6.3	8.0	6.7	7.3	6.3	6.7	6.9
PENNCROSS	7.3	8.7	5.0	6.3	4.7	8.0	6.7
COBRA 2 (IS-AP 9)	7.7	8.3	6.0	5.0	5.7	6.7	6.6
PENNLINKS II	7.3	7.7	5.0	5.7	4.7	8.7	6.5
LSD VALUE	2.2	3.0	2.8	4.9	2.1	3.9	1.1
C.V. (%)	12.5	10.7	19.4	25.0	16.5	14.7	14.4

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

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

TABLE 46B. BROWN PATCH RATINGS OF CREEPING BENTGRASS CULTIVARS  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN AT BLACKSBURG, VA 1/  
 2004-07 DATA

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

NAME	JUNE 2004	JULY 2004	JUNE 2005	JULY 2005	JULY 2006	SEPTEMBER 2006	MEAN
MACKENZIE (SRX 1GPD)	8.0	9.0	8.0	8.3	8.3	9.0	8.4
TYEE (SRX 1GD)	7.3	9.0	6.3	8.3	8.0	8.3	7.9
007 (DSB)	7.0	8.0	8.0	7.7	7.3	9.0	7.8
ALPHA	7.7	9.0	7.3	7.7	6.7	8.7	7.8
BENGAL	7.7	8.3	8.0	7.7	6.7	8.7	7.8
DECLARATION	7.0	7.7	8.3	6.7	8.0	9.0	7.8
LS-44	7.0	9.0	8.0	7.3	6.7	8.3	7.7
AUTHORITY (235050)	7.0	9.0	8.0	6.0	7.3	8.0	7.6
13-M	7.7	8.7	7.0	6.7	7.3	7.7	7.5
INDEPENDENCE	7.3	9.0	6.0	6.7	7.7	8.3	7.5
SHARK (23R)	7.0	9.0	7.0	5.7	7.3	8.3	7.4
KINGPIN (9200)	8.0	9.0	5.3	6.0	6.7	8.7	7.3
MEMORIAL (A03-EDI)	7.7	8.3	6.3	6.7	6.7	8.3	7.3
T-1	6.3	8.7	6.7	8.0	7.0	7.0	7.3
CY-2	7.7	9.0	5.7	4.7	7.0	8.0	7.0
PENN A-1	6.7	7.7	7.0	6.3	5.3	9.0	7.0
BENCHMARK DSR	6.3	8.0	6.7	7.3	6.3	6.7	6.9
PENNCROSS	7.3	8.7	5.0	6.3	4.7	8.0	6.7
COBRA 2 (IS-AP 9)	7.7	8.3	6.0	5.0	5.7	6.7	6.6
PENNLINKS II	7.3	7.7	5.0	5.7	4.7	8.7	6.5
LSD VALUE	3.0	2.9	3.0	6.2	3.1	4.6	1.7
C.V. (%)	12.9	10.9	20.0	29.2	19.8	17.2	16.4

TABLE 46C. BROWN PATCH RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN AT BLACKSBURG, VA 1/  
 2004-07 DATA

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

NAME	JUNE 2004	JULY 2004	JUNE 2005	JULY 2005	JULY 2006	SEPTEMBER 2006	MEAN
GREENWICH	9.0	9.0	9.0	8.0	9.0	9	8.8
LEGENDARY	8.0	9.0	9.0	9.0	9.0	9	8.8
VILLA (IS-AC 1)	9.0	9.0	7.7	8.7	8.7	9	8.7
VESPER	8.3	9.0	9.0	7.3	9.0	9	8.6
SR 7200	8.7	7.7	7.7	8.7	9.0	9	8.4
VENUS (EFD)	8.0	9.0	8.3	7.7	8.7	9	8.4
LSD VALUE	2.3	2.2	2.8	1.8	0.8	0	0.9
C.V. (%)	11.2	10.7	14.0	9.8	3.9	0	7.5

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 47A. BROWN PATCH RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT ORONO, ME 1/  
2004-07 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	JULY	AUGUST	MEAN
LEGENDARY	9.0	9.0	9.0
VENUS (EFD)	9.0	9.0	9.0
VESPER	9.0	9.0	9.0
GREENWICH	8.7	9.0	8.8
SR 7200	8.7	9.0	8.8
VILLA (IS-AC 1)	8.7	9.0	8.8
AUTHORITY (235050)	8.0	8.7	8.3
COBRA 2 (IS-AP 9)	8.0	8.7	8.3
13-M	8.0	8.0	8.0
INDEPENDENCE	7.3	8.7	8.0
SHARK (23R)	8.0	8.0	8.0
DECLARATION	8.0	7.7	7.8
MEMORIAL (A03-EDI)	8.0	7.7	7.8
PENN A-1	8.0	7.3	7.7
T-1	7.7	7.3	7.5
BENCHMARK DSR	7.0	7.7	7.3
CY-2	6.7	8.0	7.3
LS-44	6.3	8.3	7.3
MACKENZIE (SRX 1GPD)	6.7	7.7	7.2
PENNLINKS II	6.0	8.3	7.2
007 (DSB)	6.3	7.7	7.0
KINGPIN (9200)	5.7	8.3	7.0
BENGAL	6.0	7.7	6.8
TYEE (SRX 1GD)	6.0	7.7	6.8
ALPHA	6.0	7.0	6.5
PENNCROSS	4.0	7.7	5.8
LSD VALUE	2.1	1.3	1.2
C.V. (%)	16.1	8.4	9.0

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ BROWN PATCH RATED IN 2005 ONLY.

TABLE 47B. BROWN PATCH RATINGS OF CREEPING BENTGRASS CULTIVARS  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN AT ORONO, ME 1/  
 2004-07 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/ 3/

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

TABLE 47C. BROWN PATCH RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN AT ORONO, ME 1/  
 2004-07 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/ 3/

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

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ BROWN PATCH RATED IN 2005 ONLY.

TABLE 48A.

BROWN PATCH RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A GREEN AT RALEIGH, NC 1/  
2004-07 DATA

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

NAME	JULY 2004	AUGUST 2004	JUNE 2005	JULY 2005	AUGUST 2005	SEPTEMBER 2005	MEAN
GREENWICH	9.0	8.3	8.3	9.0	9.0	9.0	8.8
VENUS (EFD)	9.0	8.7	8.3	8.7	8.7	9.0	8.8
VESPER	9.0	8.7	9.0	8.7	8.7	7.7	8.7
CY-2	8.3	8.7	8.3	8.7	8.7	8.0	8.5
SR 7200	8.7	8.7	8.7	8.3	8.3	8.3	8.5
VILLA (IS-AC 1)	8.7	8.0	9.0	8.3	8.3	8.7	8.5
LEGENDARY	8.7	8.0	9.0	8.3	8.3	8.3	8.4
MEMORIAL (A03-EDI)	9.0	9.0	8.3	7.7	7.7	6.7	8.3
13-M	8.7	8.7	9.0	7.3	7.3	7.0	8.2
COBRA 2 (IS-AP 9)	8.7	8.7	9.0	7.3	7.3	7.0	8.2
DECLARATION	8.7	8.3	9.0	7.7	7.7	7.0	8.2
LS-44	8.7	8.3	9.0	7.3	7.3	7.3	8.1
T-1	8.7	8.7	8.7	7.0	7.0	7.7	8.1
007 (DSB)	8.0	9.0	8.7	7.0	7.0	7.3	8.0
ALPHA	8.3	9.0	9.0	7.0	7.0	6.7	8.0
BENCHMARK DSR	8.7	8.7	8.3	7.0	7.0	6.7	8.0
INDEPENDENCE	9.0	8.7	9.0	6.7	6.7	6.3	8.0
KINGPIN (9200)	9.0	8.7	9.0	6.3	6.3	6.7	8.0
AUTHORITY (235050)	8.7	9.0	8.7	6.7	6.7	5.7	7.9
PENN A-1	9.0	9.0	8.0	6.3	6.3	6.7	7.9
PENNCROSS	8.7	8.3	9.0	7.7	7.7	5.0	7.9
BENGAL	9.0	8.7	9.0	6.0	6.0	6.0	7.8
SHARK (23R)	8.7	8.3	8.7	6.7	6.7	6.3	7.8
TYEE (SRX 1GD)	8.3	8.0	8.3	6.7	6.7	7.0	7.7
MACKENZIE (SRX 1GPD)	8.3	7.7	9.0	6.7	6.7	5.7	7.5
PENNLINKS II	7.3	7.3	8.7	7.0	7.0	7.0	7.4
LSD VALUE	1.5	2.2	2.8	1.7	1.7	1.3	1.7
C.V. (%)	6.5	8.5	8.2	12.1	12.1	11.0	10.0

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

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

TABLE 48B. BROWN PATCH RATINGS OF CREEPING BENTGRASS CULTIVARS  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN AT RALEIGH, NC 1/  
 2004-07 DATA

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

NAME	JULY 2004	AUGUST 2004	JUNE 2005	JULY 2005	AUGUST 2005	SEPTEMBER 2005	MEAN
CY-2	8.3	8.7	8.3	8.7	8.7	8.0	8.5
MEMORIAL (A03-EDI)	9.0	9.0	8.3	7.7	7.7	6.7	8.3
13-M	8.7	8.7	9.0	7.3	7.3	7.0	8.2
COBRA 2 (IS-AP 9)	8.7	8.7	9.0	7.3	7.3	7.0	8.2
DECLARATION	8.7	8.3	9.0	7.7	7.7	7.0	8.2
LS-44	8.7	8.3	9.0	7.3	7.3	7.3	8.1
T-1	8.7	8.7	8.7	7.0	7.0	7.7	8.1
007 (DSB)	8.0	9.0	8.7	7.0	7.0	7.3	8.0
ALPHA	8.3	9.0	9.0	7.0	7.0	6.7	8.0
BENCHMARK DSR	8.7	8.7	8.3	7.0	7.0	6.7	8.0
INDEPENDENCE	9.0	8.7	9.0	6.7	6.7	6.3	8.0
KINGPIN (9200)	9.0	8.7	9.0	6.3	6.3	6.7	8.0
AUTHORITY (235050)	8.7	9.0	8.7	6.7	6.7	5.7	7.9
PENN A-1	9.0	9.0	8.0	6.3	6.3	6.7	7.9
PENNCROSS	8.7	8.3	9.0	7.7	7.7	5.0	7.9
BENGAL	9.0	8.7	9.0	6.0	6.0	6.0	7.8
SHARK (23R)	8.7	8.3	8.7	6.7	6.7	6.3	7.8
TYEE (SRX 1GD)	8.3	8.0	8.3	6.7	6.7	7.0	7.7
MACKENZIE (SRX 1GPD)	8.3	7.7	9.0	6.7	6.7	5.7	7.5
PENNLINKS II	7.3	7.3	8.7	7.0	7.0	7.0	7.4
LSD VALUE	1.6	2.0	2.5	2.7	2.7	1.8	2.5
C.V. (%)	7.0	8.4	8.1	13.8	13.8	12.7	11.4

TABLE 48C. BROWN PATCH RATINGS OF VELVET BENTGRASS CULTIVARS  
 GROWN ON A GREEN AT RALEIGH, NC 1/  
 2004-07 DATA

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

NAME	JULY 2004	AUGUST 2004	JUNE 2005	JULY 2005	AUGUST 2005	SEPTEMBER 2005	MEAN
GREENWICH	9.0	8.3	8.3	9.0	9.0	9.0	8.8
VENUS (EFD)	9.0	8.7	8.3	8.7	8.7	9.0	8.8
VESPER	9.0	8.7	9.0	8.7	8.7	7.7	8.7
SR 7200	8.7	8.7	8.7	8.3	8.3	8.3	8.5
VILLA (IS-AC 1)	8.7	8.0	9.0	8.3	8.3	8.7	8.5
LEGENDARY	8.7	8.0	9.0	8.3	8.3	8.3	8.4
LSD VALUE	1.0	1.7	1.8	1.5	1.5	1.0	0.6
C.V. (%)	4.6	8.3	8.3	7.0	7.0	5.7	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.

Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP

TABLE 49A. PYTHIUM ROOT ROT RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREENS AT RALEIGH, NC 2/  
2003-07 DATA

PYTHIUM ROOT ROT RATINGS 1-9; 9=NO DISEASE 3/

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

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

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

3/ PYTHIUM ROOT ROT RATED IN 2003 ONLY.

TABLE 49B. PYTHIUM ROOT ROT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP GROWN ON A GREENS AT RALEIGH, NC 2/  
 2003-07 DATA

PYTHIUM ROOT ROT RATINGS 1-9; 9=NO DISEASE 3/

NAME	NOVEMBER	DECEMBER	MEAN
MEMORIAL (A03-EDI)	8.0	9	8.5
007 (DSB)	7.7	9	8.3
INDEPENDENCE	7.7	9	8.3
KINGPIN (9200)	7.7	9	8.3
PENNLINKS II	7.7	9	8.3
13-M	7.3	9	8.2
BENGAL	7.3	9	8.2
COBRA 2 (IS-AP 9)	7.3	9	8.2
MACKENZIE (SRX 1GPD)	7.3	9	8.2
SHARK (23R)	7.3	9	8.2
TYEE (SRX 1GD)	7.3	9	8.2
AUTHORITY (235050)	7.0	9	8.0
DECLARATION	7.0	9	8.0
LS-44	7.0	9	8.0
PENN A-1	7.0	9	8.0
PENNCROSS	7.0	9	8.0
ALPHA	6.7	9	7.8
BENCHMARK DSR	6.3	9	7.7
CY-2	6.3	9	7.7
T-1	6.3	9	7.7
LSD VALUE	2.1	0	1.1
C.V. (%)	10.6	0	4.7

TABLE 49C. PYTHIUM ROOT ROT RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREENS AT RALEIGH, NC 2/  
 2004-07 DATA

PYTHIUM ROOT ROT RATINGS 1-9; 9=NO DISEASE 3/

NAME	NOVEMBER	DECEMBER	MEAN
VENUS (EFD)	7.7	9.0	8.3
VESPER	7.3	9.0	8.2
VILLA (IS-AC 1)	7.3	9.0	8.2
SR 7200	7.0	9.0	8.0
GREENWICH	6.7	9.0	7.8
LEGENDARY	6.7	7.7	7.2
LSD VALUE	1.7	0.4	0.8
C.V. (%)	10.2	2.7	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.
- 3/ PYTHIUM ROOT ROT RATED IN 2003 ONLY.

TABLE 50A. PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREENS AT RALEIGH, NC 2/  
2004-07 DATA

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

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

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

TABLE 50B. PERCENT ESTABLISHMENT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREENS AT RALEIGH, NC 2/  
 2004-07 DATA

NAME	NOV 03	DEC 03	JAN 04	MEAN
007 (DSB)	91.7	97.3	99.0	96.0
ALPHA	88.3	96.3	98.0	94.2
MEMORIAL (A03-EDI)	88.3	96.0	98.3	94.2
CY-2	88.3	95.7	97.7	93.9
MACKENZIE (SRX 1GPD)	85.0	96.3	98.3	93.2
BENGAL	83.3	92.7	97.3	91.1
PENNLINKS II	81.7	94.0	97.0	90.9
SHARK (23R)	80.0	93.0	98.0	90.3
T-1	83.3	92.3	95.3	90.3
COBRA 2 (IS-AP 9)	80.0	90.0	96.7	88.9
TYEE (SRX 1GD)	80.0	89.7	94.7	88.1
LS-44	80.0	86.7	96.0	87.6
BENCHMARK DSR	78.3	90.0	93.3	87.2
PENNCROSS	75.0	88.0	94.7	85.9
AUTHORITY (235050)	75.0	86.7	95.0	85.6
KINGPIN (9200)	78.3	86.7	91.7	85.6
INDEPENDENCE	70.0	86.7	94.0	83.6
PENN A-1	71.7	84.0	92.0	82.6
DECLARATION	68.3	81.7	91.7	80.6
13-M	65.0	78.3	85.0	76.1
LSD VALUE	24.0	14.7	7.2	13.8
C.V. (%)	12.4	7.4	3.8	7.2

TABLE 50C. PERCENT ESTABLISHMENT RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREENS AT RALEIGH, NC 2/  
 2004-07 DATA

NAME	NOV 03	DEC 03	JAN 04	MEAN
GREENWICH	88.3	93.7	98.0	93.3
VILLA (IS-AC 1)	85.0	92.3	96.3	91.2
LEGENDARY	76.7	83.3	91.7	83.9
VENUS (EFD)	71.7	85.0	93.3	83.3
VESPER	71.7	85.0	92.3	83.0
SR 7200	58.3	80.0	87.3	75.2
LSD VALUE	20.8	14.1	10.6	14.4
C.V. (%)	13.6	7.5	5.2	8.1

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

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



TABLE 51A. WEED RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A GREEN AT ORONO, ME 2/  
2004-07 DATA

WEED RATINGS 1-9; 9=NONEE 3/

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

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

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

3/ WEED RATED IN 2004 ONLY.

TABLE 51B. WEED RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
 Taken from the 2003 Bentgrass (Greens) - final report with permission from NTEP  
 GROWN ON A GREEN AT ORONO, ME 2/  
 2004-07 DATA

WEED RATINGS 1-9; 9=NONE 3/

NAME	JUNE	SEPTEMBER	MEAN
KINGPIN (9200)	4.7	4.7	4.7
TYEE (SRX 1GD)	5.0	4.3	4.7
007 (DSB)	5.3	3.7	4.5
MACKENZIE (SRX 1GPD)	4.3	4.3	4.3
CY-2	5.0	3.3	4.2
13-M	4.7	3.3	4.0
BENCHMARK DSR	5.0	3.0	4.0
BENGAL	4.7	3.3	4.0
DECLARATION	5.3	2.7	4.0
PENNLINKS II	4.0	4.0	4.0
COBRA 2 (IS-AP 9)	5.0	2.7	3.8
MEMORIAL (A03-EDI)	4.7	3.0	3.8
PENNCROSS	4.7	3.0	3.8
SHARK (23R)	4.7	2.7	3.7
LS-44	3.7	3.3	3.5
T-1	3.3	3.7	3.5
AUTHORITY (235050)	4.0	2.7	3.3
ALPHA	4.3	2.0	3.2
PENN A-1	4.0	2.3	3.2
INDEPENDENCE	3.7	2.3	3.0
LSD VALUE	2.7	2.0	1.8
C.V. (%)	20.9	28.1	18.0

TABLE 51C. WEED RATINGS OF VELVET BENTGRASS CULTIVARS 1/  
 GROWN ON A GREEN AT ORONO, ME 2/  
 2004-07 DATA

WEED RATINGS 1-9; 9=NONE 3/

NAME	JUNE	SEPTEMBER	MEAN
GREENWICH	5.3	2.3	3.8
SR 7200	4.3	3.0	3.7
VENUS (EFD)	4.0	3.0	3.5
VILLA (IS-AC 1)	4.0	2.7	3.3
VESPER	4.0	2.3	3.2
LEGENDARY	3.7	2.3	3.0
LSD VALUE	3.0	2.8	2.7
C.V. (%)	29.2	41.8	30.5

- 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.
- 3/ WEED RATED IN 2004 ONLY.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR BENTGRASS CULTIVARS  
GROWN ON A GREEN \*/  
2004-07 DATA

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

NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/
007 (DSB)	6.4	41.7
13-M	6.2	25.0
ALPHA	6.0	16.7
AUTHORITY (235050)	6.4	37.5
BENCHMARK DSR	6.1	25.0
BENGAL	6.0	8.3
COBRA 2 (IS-AP 9)	6.2	29.2
CY-2	6.4	37.5
DECLARATION	6.4	41.7
GREENWICH	5.2	8.3
INDEPENDENCE	6.2	16.7
KINGPIN (9200)	6.1	12.5
LEGENDARY	5.2	12.5
LS-44	6.2	37.5
MACKENZIE (SRX 1GPD)	6.3	25.0
MEMORIAL (A03-EDI)	6.3	41.7
PENN A-1	6.2	12.5
PENNCROSS	5.1	12.5
PENNLINKS II	5.6	12.5
SHARK (23R)	6.4	45.8
SR 7200	4.9	8.3
T-1	6.1	20.8
TYEE (SRX 1GD)	6.4	37.5
VENUS (EFD)	5.2	8.3
VESPER	5.0	4.2
VILLA (IS-AC 1)	5.3	12.5
LSD VALUE	0.2	
C.V. (%)	9.0	

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

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

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

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