

NATIONAL TURFGRASS EVALUATION PROGRAM

The National Turfgrass Evaluation Program (NTEP) is designed to develop and coordinate uniform evaluation trials of turfgrass varieties and promising selections in the United States and Canada. Test results can be used by national companies and plant breeders to determine the broad picture of the adaptation of a cultivar. Results can also be used to determine if a cultivar is well adapted to a local area or level of turf maintenance.

Briefly, the NTEP is a self-supporting, non-profit program, sponsored by the Beltsville Agricultural Research Center and the National Turfgrass Federation, Inc. Program policy is made by a policy committee consisting of one member from each of the four (4) Regional Turfgrass Research Committees in the United States, one member from the Lawn Seed Division of the American Seed Trade Association, one member from the United States Golf Association (USGA) Green Section, one member from the Golf Course Superintendents Assoc. of America (GCSAA), one member for the Turfgrass Producers International (TPI), one member from the Turfgrass Breeders Association and an executive director. The program does not make variety recommendations. However, the data from tests can be used by extension specialists and others for making recommendations.

The policy committee is responsible for determining program policy including, (1) requirements for submission of entries, (2) scheduling tests, (3) evaluation methods, (4) selecting standard or control test entries, (5) setting entry fees, (6) coordinating tests in their respective regions, (7) establishing guidelines for publication and data distribution and (8) scheduling committee meetings.

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A Guide to NTEP Turfgrass Ratings

Introduction

The quality and scientific merit of NTEP data is extremely important. However, the evaluation of turfgrass species and cultivars is a difficult and complex issue. Furthermore, turfgrass evaluation is generally a subjective process based on visual estimates of factors, like genetic color, stand density, leaf texture, uniformity and quality. These factors can not be measured in the same way as other agricultural crops. Turfgrass quality is not a measure of yield or nutritive value. Turfgrass quality is a measure of aesthetics (i.e. density, uniformity, texture, smoothness, growth habit and color), and functional use. The most common way of assessing turfgrass quality is a visual rating system that is based on the turfgrass evaluator's judgement.

General Considerations

Most visual ratings collected on NTEP trials are based on a 1 to 9 rating scale. One is the poorest or lowest and 9 is the best or highest rating. However, a few characteristics, such as winter kill or percent living ground cover, are rated on a percentage basis, again by using the evaluator's judgement. Most disease ratings found in NTEP reports will use the 1-9 scale, 9=no disease except where the evaluator made a judgement of the percentage of disease in each plot. Percent disease data will be found in separate tables and will normally not be included with disease data using the 1-9 scale.

Turfgrass Quality

Turfgrass Quality is based on 9 being outstanding or ideal turf and 1 being poorest or dead. A rating of 6 or above is generally considered acceptable. A quality rating value of 9 is reserved for a perfect or ideal grass, but it also can reflect an absolutely outstanding treatment plot. The NTEP requires quality ratings on a monthly basis. Quality ratings take into account the aesthetic and functional aspects of the turf. Quality ratings are not based on color alone, but on a combination of color, density, uniformity, texture, and disease or environmental stress.

Turfgrass quality ratings are grouped and presented by region, management level, a particular stress (shade, traffic, etc.) and in some cases, by individual location (starting with 2002 data, data from each location will be posted separately as well on the NTEP web site, <http://www.ntep.org>). Also available now is a summary table (Appendix) in the back of this report. This summary table includes various statistical measures not previously compiled for NTEP reports. For an explanation of this table and these changes, please go to the NTEP web site at <http://www.ntep.org/pdf/grandmean.mem.pdf>.

Other Ratings

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

2008 NATIONAL BENTGRASS TEST
(Greens)

LOCATIONS SUBMITTING DATA FOR 2009-13

<u>State</u>	<u>Location</u>	<u>Code</u>
Arkansas	Fayetteville	AR1
Illinois	Glenview (North Shore C. C.)	IL4
Indiana	West Lafayette	IN1
Kentucky	Lexington	KY1
Massachusetts	Amherst (Traffic)	MA1
Minnesota	St. Paul	MN1
New Jersey	North Brunswick	NJ1
New York	Farmingdale (Bethpage State Park - Low Input)	NY2
North Carolina	Pinehurst (Pinehurst Resort)	NC2
Pennsylvania	University Park	PA1
Rhode Island	Kingston	RI1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Washington	Puyallup	WA3

2008 NATIONAL BENTGRASS TEST (Putting Green)

Entries and Sponsors

Entry No.	Name	Species	Sponsor
* 1	Penncross	creeping	Standard entry
* 2	Penn A-1	creeping	Standard entry
* 3	SR 7200	velvet	Standard entry
* 4	Declaration	creeping	Standard entry
* 5	Proclamation (LTP-FEC)	creeping	Lebanon Seaboard Corp.
* 6	L-93	creeping	Standard entry
* 7	T-1	creeping	Jacklin Seed by Simplot
* 8	Alpha	creeping	Jacklin Seed by Simplot
* 9	Penn A-2	creeping	John Deere Landscapes
* 10	Barracuda (MVS-AP-101)	creeping	Mountain View Seeds
* 11	Luminary (A08-TDN2)	creeping	Landmark Turf+Native Seed
12	AFM	creeping	John Deere Landscapes
* 13	Authority	creeping	John Deere Landscapes
* 14	Focus (SRP-1GMC)	creeping	Seed Research of Oregon
15	SRP-1BLTR3	creeping	Seed Research of Oregon
* 16	Pure Distinction (PST-OJO)	creeping	Penncross Bentgrass Assoc.
* 17	V8	creeping	Jacklin Seed by Simplot®
* 18	Pin-up (HTM)	creeping	ProSeeds Marketing
* 19	Villa	velvet	Standard entry
* COMMERCIALY AVAILABLE IN THE USA IN 2014.			

TABLE A. 2009-13 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN THE 2008 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
IL4	SAND	7.1-7.5	61-150	0-150	-	FULL SUN	0.0-0.5	TO PREVENT STRESS
IN1	SAND	7.6-8.5	61-150	151-240	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
KY1	SAND	6.6-7.0	0-60	0-150	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
MN1	SAND	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NC2	SILT LOAM AND SILT	6.1-6.5	61-150	0-150	3.1-4.0	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
NY2	LOAMY SAND	7.1-7.5	61-150	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
PA1	LOAMY SAND	6.6-7.0	61-150	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
RI1	SAND	-	-	-	5.1-6.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
UT1	LOAMY SAND	7.1-7.5	0-60	0-150	1.1-2.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
VA1	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT DORMANCY
WA3	SAND	5.6-6.0	61-150	0-150	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2009-13

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
IL4				X	X	X	X	X	X	X			X	X	
IN1				X	X	X	X	X	X	X	X		X	X	X
KY1			X	X	X	X	X	X	X	X				X	
MA1			X	X	X	X	X	X	X	X	X	X	X	X	
MN1				X	X	X	X	X	X	X			X	X	
NC2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
NJ1				X	X	X	X	X	X	X	X		X	X	X
NY2				X	X	X	X	X	X	X				X	
PA1				X	X	X	X	X	X	X			X	X	
RI1				X	X	X	X	X	X	X	X		X	X	X
UT1				X	X	X	X	X	X	X			X	X	
VA1			X	X	X	X	X	X	X	X	X	X	X		
WA3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2009-13

LOCATION	WEAR TOLERANCE	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	FROST TOLERANCE	WINTER COLOR	THATCH MEASURE - MENT	DOLLAR SPOT	RED THREAD	BROWN PATCH WARM TEMP.	ANTHRACNOSE RATINGS
AR1		X										X			X
IL4															
IN1			X	X	X							X			
KY1		X				X				X		X			
MA1	X		X					X			X				
MN1										X					
NC2				X	X					X					
NJ1					X					X		X		X	
NY2		X													
PA1		X								X		X			
RI1		X	X	X	X	X	X	X					X		
UT1						X	X								
VA1												X			
WA3		X							X	X		X			

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2009-13

LOCATION	PINK SNOW MOLD	TAKE-ALL PATCH	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	POA ANNUA	PERCENT ESTABLISH- MENT	NUMBERS OF DOLLAR SPOT/PLOT	TURFGRASS UNIFORMITY	COOPER SPOT	SNOW MOLD	RECOVERY FROM AERIFICATION
AR1					X								X
IL4				X	X			X					
IN1	X								X				
KY1													
MA1								X					
MN1								X					
NC2				X	X			X					
NJ1		X						X			X		
NY2													
PA1			X		X		X						
RI1					X					X			
UT1				X				X				X	
VA1						X		X					
WA3			X	X		X							X

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2009-13

LOCATION	ANTHRACNOSE RATINGS		PERCENT ESTABLISHMENT		BACTERIAL WILT DAMAGE	POA ANNUA RATINGS		MICRODOCHMIUM RATINGS					
	APR	SEP	SUMMER	FALL		FEB	JUN	JAN	FEB	MAR	APR	NOV	DEC
AR1													
IL4													
IN1													
KY1													
* MA1													
MN1													
* NC2													
NJ1	X	X											
NY2													
PA1													
RI1			X	X	X								
UT1													
VA1													
WA3						X	X	X	X	X	X	X	X

* MORE DATA FOR "MA1", "NC2", "AR1", "RI1" AND "VA1" IN TABLE 13, 16, 49, 52 AND 55.

Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP
 TABLE 1A. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
 A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 1 **/
 2009 DATA

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

NAME	RI1	VA1	KY1	UT1	WA3	MEAN
* PROCLAMATION (LTP-FEC)	6.3	6.0	7.7	5.5	6.6	6.4
* LUMINARY (A08-TDN2)	6.3	5.0	7.1	5.0	6.6	6.0
* BARRACUDA (MVS-AP-101)	6.3	5.0	7.0	5.2	6.4	6.0
* FOCUS (SRP-1GMC)	6.0	5.1	7.0	5.1	6.1	5.9
* PENN A-1	5.6	5.6	7.1	5.1	5.7	5.8
* DECLARATION	6.0	5.0	6.9	4.9	6.2	5.8
* V8	6.1	4.8	6.8	4.9	6.2	5.8
* PIN-UP (HTM)	5.7	5.2	7.0	4.7	6.1	5.7
AFM	5.6	5.3	7.1	4.7	6.0	5.7
* PURE DISTINCTION (PST-OJO)	6.0	4.3	6.6	4.4	6.4	5.5
* AUTHORITY	5.7	4.7	6.6	4.7	5.8	5.5
* ALPHA	5.4	4.8	6.5	4.8	5.4	5.4
* T-1	5.6	4.5	6.4	4.7	5.6	5.4
SRP-1BLTR3	5.2	4.8	6.4	4.7	5.2	5.2
* L-93	4.8	5.0	6.4	4.7	4.6	5.1
* PENN A-2	4.8	5.0	6.4	4.4	4.8	5.1
* VILLA	5.3	3.8	6.4	2.9	6.5	5.0
* PENNCROSS	4.4	5.1	6.4	4.4	4.4	4.9
* SR 7200	4.5	3.4	5.9	2.2	5.8	4.4
LSD VALUE	1.1	1.1	1.1	1.1	1.1	1.1
C.V. (%)	12.4	14.2	10.3	15.1	11.9	12.5

* COMMERCIALY AVAILABLE IN THE USA IN 2014.

**/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.ORG/AMMI_Q&A.PDF

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 1 */
2009 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	RI1	VA1	KY1	UT1	WA3	MEAN
PROCLAMATION (LTP-FEC)	6.3	6.0	7.7	5.5	6.6	6.4
LUMINARY (A08-TDN2)	6.3	5.0	7.1	5.0	6.6	6.0
BARRACUDA (MVS-AP-101)	6.3	5.0	7.0	5.2	6.4	6.0
FOCUS (SRP-1GMC)	6.0	5.1	7.0	5.1	6.1	5.9
PENN A-1	5.6	5.6	7.1	5.1	5.7	5.8
DECLARATION	6.0	5.0	6.9	4.9	6.2	5.8
V8	6.1	4.8	6.8	4.9	6.2	5.8
PIN-UP (HTM)	5.7	5.2	7.0	4.7	6.1	5.7
AFM	5.6	5.3	7.1	4.7	6.0	5.7
PURE DISTINCTION (PST-OJO)	6.0	4.3	6.6	4.4	6.4	5.5
AUTHORITY	5.7	4.7	6.6	4.7	5.8	5.5
ALPHA	5.4	4.8	6.5	4.8	5.4	5.4
T-1	5.6	4.5	6.4	4.7	5.6	5.4
SRP-1BLTR3	5.2	4.8	6.4	4.7	5.2	5.2
L-93	4.8	5.0	6.4	4.7	4.6	5.1
PENN A-2	4.8	5.0	6.4	4.4	4.8	5.1
PENNCROSS	4.4	5.1	6.4	4.4	4.4	4.9
LSD VALUE	1.1	1.1	1.1	1.1	1.1	1.1
C.V. (%)	12.2	13.8	10.2	14.4	12.0	12.3

TABLE 1C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 1 */
2009 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	RI1	VA1	KY1	UT1	WA3	MEAN
VILLA	5.3	3.8	6.4	2.9	6.5	5.0
SR 7200	4.5	3.4	5.9	2.2	5.8	4.4
LSD VALUE	1.1	1.1	1.1	1.1	1.1	1.1
C.V. (%)	14.1	19.2	11.3	26.7	11.2	14.8

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.ORG/AMMI_Q&A.PDF

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 1/
A GREEN AT FOUR LOCATIONS IN THE U.S. FOR AMMI GROUP 2 */
2009 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/					
NAME	PA1	IN1	MN1	AR1	MEAN
BARRACUDA (MVS-AP-101)	7.7	8.2	7.5	7.6	7.8
V8	7.5	8.0	7.3	7.3	7.5
LUMINARY (A08-TDN2)	7.6	8.2	7.0	7.3	7.5
FOCUS (SRP-1GMC)	7.3	7.8	7.0	7.3	7.3
T-1	7.1	7.5	7.2	7.1	7.2
PURE DISTINCTION (PST-OJO)	7.4	8.0	6.5	6.8	7.2
DECLARATION	7.2	7.8	6.7	7.1	7.2
PROCLAMATION (LTP-FEC)	7.0	7.9	6.3	7.3	7.1
AUTHORITY	6.9	7.5	6.7	6.9	7.0
ALPHA	6.6	7.1	6.7	6.9	6.8
SRP-1BLTR3	6.4	6.9	6.4	6.7	6.6
PIN-UP (HTM)	6.5	7.3	5.5	6.5	6.4
PENN A-1	6.2	7.0	5.7	6.7	6.4
AFM	6.2	7.1	5.2	6.3	6.2
L-93	5.6	6.3	5.8	6.4	6.0
PENN A-2	5.3	6.2	5.1	6.0	5.6
PENNCROSS	4.8	5.7	4.5	5.7	5.1
VILLA	5.7	6.9	2.8	4.7	5.0
SR 7200	4.7	6.0	1.5	3.7	4.0
LSD VALUE	1.1	1.1	1.1	1.1	1.1
C.V. (%)	10.6	9.6	11.8	10.6	10.6

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.ORG/AMMI_Q&A.PDF

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

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

TABLE 2B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FOUR LOCATIONS IN THE U.S. FOR AMMI GROUP 2 */
2009 DATA

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

NAME	PA1	IN1	MN1	AR1	MEAN
BARRACUDA (MVS-AP-101)	7.7	8.2	7.5	7.6	7.8
V8	7.5	8.0	7.3	7.3	7.5
LUMINARY (A08-TDN2)	7.6	8.2	7.0	7.3	7.5
FOCUS (SRP-1GMC)	7.3	7.8	7.0	7.3	7.3
T-1	7.1	7.5	7.2	7.1	7.2
PURE DISTINCTION (PST-OJO)	7.4	8.0	6.5	6.8	7.2
DECLARATION	7.2	7.8	6.7	7.1	7.2
PROCLAMATION (LTP-FEC)	7.0	7.9	6.3	7.3	7.1
AUTHORITY	6.9	7.5	6.7	6.9	7.0
ALPHA	6.6	7.1	6.7	6.9	6.8
SRP-1BLTR3	6.4	6.9	6.4	6.7	6.6
PIN-UP (HTM)	6.5	7.3	5.5	6.5	6.4
PENN A-1	6.2	7.0	5.7	6.7	6.4
AFM	6.2	7.1	5.2	6.3	6.2
L-93	5.6	6.3	5.8	6.4	6.0
PENN A-2	5.3	6.2	5.1	6.0	5.6
PENNCROSS	4.8	5.7	4.5	5.7	5.1
LSD VALUE	1.1	1.1	1.1	1.1	1.1
C.V. (%)	10.4	9.4	11.0	10.1	10.2

TABLE 2C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FOUR LOCATIONS IN THE U.S. FOR AMMI GROUP 2 */
2009 DATA

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

VILLA	5.7	6.9	2.8	4.7	5.0
SR 7200	4.7	6.0	1.5	3.7	4.0
LSD VALUE	1.1	1.1	1.1	1.1	1.1
C.V. (%)	13.3	10.7	31.6	16.4	15.3

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.ORG/AMMI_Q&A.PDF

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

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

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

NAME	NJ1
PURE DISTINCTION (PST-QJO)	7.6
LUMINARY (A08-TDN2)	7.4
BARRACUDA (MVS-AP-101)	7.3
V8	7.0
VILLA	7.0
DECLARATION	6.7
FOCUS (SRP-1GMC)	6.6
AUTHORITY	6.3
PROCLAMATION (LTP-FEC)	6.3
T-1	6.3
PIN-UP (HTM)	6.0
SR 7200	5.9
AFM	5.7
ALPHA	5.6
SRP-1BLTR3	5.2
PENN A-1	5.1
PENN A-2	4.0
L-93	3.9
PENNCROSS	3.2
LSD VALUE	1.1
C.V. (%)	11.6

- */ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.ORG/AMMI_Q&A.PDF
- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 3B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT ONE LOCATION IN THE U.S. FOR AMMI GROUP 3 */
2009 DATA

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

NAME	NJ1
PURE DISTINCTION (PST-OJO)	7.6
LUMINARY (A08-TDN2)	7.4
BARRACUDA (MVS-AP-101)	7.3
V8	7.0
DECLARATION	6.7
FOCUS (SRP-1GMC)	6.6
AUTHORITY	6.3
PROCLAMATION (LTP-FEC)	6.3
T-1	6.3
PIN-UP (HTM)	6.0
AFM	5.7
ALPHA	5.6
SRP-1BLTR3	5.2
PENN A-1	5.1
PENN A-2	4.0
L-93	3.9
PENNCROSS	3.2
LSD VALUE	1.1
C.V. (%)	11.7

TABLE 3C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT ONE LOCATION IN THE U.S. FOR AMMI GROUP 3 */
2009 DATA

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

NAME	NJ1
VILLA	7.0
SR 7200	5.9
LSD VALUE	1.1
C.V. (%)	10.7

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.ORG/AMMI_Q&A.PDF

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 2008 Bentgrass (Green) test - Final data report with permission from NTEP
 TABLE 4A. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
 A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 1 */
 2010 DATA

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

NAME	NJ1	RI1	VA1	IN1	WA3	MEAN
PURE DISTINCTION (PST-OJO)	7.6	5.7	4.9	7.7	7.1	6.6
LUMINARY (A08-TDN2)	7.5	5.4	4.7	7.6	7.0	6.4
DECLARATION	5.4	6.5	5.6	7.5	6.4	6.3
PIN-UP (HTM)	5.4	6.5	5.5	7.4	6.4	6.2
PROCLAMATION (LTP-FEC)	6.0	6.0	5.2	7.5	6.5	6.2
BARRACUDA (MVS-AP-101)	6.2	5.5	5.1	7.5	6.4	6.2
FOCUS (SRP-1GMC)	5.7	5.6	5.2	7.4	6.2	6.0
AFM	4.7	6.3	5.4	7.2	6.0	5.9
V8	6.5	4.6	4.7	7.4	6.2	5.9
AUTHORITY	5.1	5.5	5.1	7.1	5.9	5.7
VILLA	6.2	6.0	3.5	6.0	6.4	5.6
SRP-1BLTR3	5.1	5.3	4.7	6.9	5.7	5.6
PENN A-1	4.2	5.9	5.0	6.8	5.5	5.5
ALPHA	4.3	5.3	4.8	6.7	5.3	5.3
T-1	5.3	4.3	4.5	6.9	5.4	5.3
PENN A-2	3.6	5.6	4.7	6.4	5.1	5.1
SR 7200	3.8	6.7	3.6	5.3	5.4	4.9
L-93	2.9	5.5	4.7	6.2	4.7	4.8
PENNCROSS	1.9	4.6	3.7	5.2	3.7	3.8
LSD VALUE	1.0	1.0	1.0	1.0	1.0	1.0
C.V. (%)	12.4	11.3	13.3	9.2	10.8	11.2

- */ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.ORG/AMMI_Q&A.PDF
- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 1 */
2010 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	NJ1	RI1	VA1	IN1	WA3	MEAN
PURE DISTINCTION (PST-OJO)	7.6	5.7	4.9	7.7	7.1	6.6
LUMINARY (A08-TDN2)	7.5	5.4	4.7	7.6	7.0	6.4
DECLARATION	5.4	6.5	5.6	7.5	6.4	6.3
PIN-UP (HTM)	5.4	6.5	5.5	7.4	6.4	6.2
PROCLAMATION (LTP-FEC)	6.0	6.0	5.2	7.5	6.5	6.2
BARRACUDA (MVS-AP-101)	6.2	5.5	5.1	7.5	6.4	6.2
FOCUS (SRP-1GMC)	5.7	5.6	5.2	7.4	6.2	6.0
AFM	4.7	6.3	5.4	7.2	6.0	5.9
V8	6.5	4.6	4.7	7.4	6.2	5.9
AUTHORITY	5.1	5.5	5.1	7.1	5.9	5.7
SRP-1BLTR3	5.1	5.3	4.7	6.9	5.7	5.6
PENN A-1	4.2	5.9	5.0	6.8	5.5	5.5
ALPHA	4.3	5.3	4.8	6.7	5.3	5.3
T-1	5.3	4.3	4.5	6.9	5.4	5.3
PENN A-2	3.6	5.6	4.7	6.4	5.1	5.1
L-93	2.9	5.5	4.7	6.2	4.7	4.8
PENNCROSS	1.9	4.6	3.7	5.2	3.7	3.8
LSD VALUE	1.0	1.0	1.0	1.0	1.0	1.0
C.V. (%)	12.3	11.5	12.9	9.0	10.8	11.1

TABLE 4C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 1 */
2010 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	NJ1	RI1	VA1	IN1	WA3	MEAN
VILLA	6.2	6.0	3.5	6.0	6.4	5.6
SR 7200	3.8	6.7	3.6	5.3	5.4	4.9
LSD VALUE	1.0	1.0	1.0	1.0	1.0	1.0
C.V. (%)	12.7	10.0	18.1	11.2	10.8	12.0

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.ORG/AMMI_Q&A.PDF

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 */
2010 DATA

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

NAME	PA1	KY1	MN1	AR1	UT1	MEAN
V8	8.2	6.7	7.4	8.4	7.0	7.5
BARRACUDA (MVS-AP-101)	7.8	6.7	7.0	8.2	6.7	7.3
FOCUS (SRP-1GMC)	7.6	6.6	6.8	8.1	6.5	7.1
LUMINARY (A08-TDN2)	7.8	6.6	7.0	7.5	6.7	7.1
PURE DISTINCTION (PST-OJO)	7.7	6.6	7.0	7.4	6.7	7.1
T-1	7.6	6.3	6.8	8.2	6.3	7.0
PROCLAMATION (LTP-FEC)	7.4	6.6	6.5	7.8	6.3	6.9
DECLARATION	7.2	6.6	6.3	7.9	6.2	6.8
AUTHORITY	7.3	6.4	6.4	8.0	6.1	6.8
PIN-UP (HTM)	7.0	6.5	6.1	7.7	6.0	6.7
AFM	6.9	6.3	5.9	7.7	5.8	6.5
SRP-1BLTR3	7.0	6.1	6.1	7.5	5.9	6.5
ALPHA	6.8	6.0	5.8	7.6	5.6	6.4
PENN A-1	6.4	5.9	5.5	7.3	5.4	6.1
PENN A-2	6.1	5.6	5.1	7.1	5.0	5.8
L-93	6.0	5.5	5.0	7.2	4.8	5.7
PENNCROSS	4.7	4.4	3.7	6.0	3.6	4.5
VILLA	4.5	4.3	3.8	3.9	3.9	4.1
SR 7200	3.0	3.5	2.2	3.2	2.5	2.9
LSD VALUE	1.0	1.0	1.0	1.0	1.0	1.0
C.V. (%)	9.5	10.7	10.9	8.8	11.3	10.1

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.ORG/AMMI_Q&A.PDF

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 */
2010 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	PA1	KY1	MN1	AR1	UT1	MEAN
V8	8.2	6.7	7.4	8.4	7.0	7.5
BARRACUDA (MVS-AP-101)	7.8	6.7	7.0	8.2	6.7	7.3
FOCUS (SRP-1GMC)	7.6	6.6	6.8	8.1	6.5	7.1
LUMINARY (A08-TDN2)	7.8	6.6	7.0	7.5	6.7	7.1
PURE DISTINCTION (PST-OJO)	7.7	6.6	7.0	7.4	6.7	7.1
T-1	7.6	6.3	6.8	8.2	6.3	7.0
PROCLAMATION (LTP-FEC)	7.4	6.6	6.5	7.8	6.3	6.9
DECLARATION	7.2	6.6	6.3	7.9	6.2	6.8
AUTHORITY	7.3	6.4	6.4	8.0	6.1	6.8
PIN-UP (HTM)	7.0	6.5	6.1	7.7	6.0	6.7
AFM	6.9	6.3	5.9	7.7	5.8	6.5
SRP-1BLTR3	7.0	6.1	6.1	7.5	5.9	6.5
ALPHA	6.8	6.0	5.8	7.6	5.6	6.4
PENN A-1	6.4	5.9	5.5	7.3	5.4	6.1
PENN A-2	6.1	5.6	5.1	7.1	5.0	5.8
L-93	6.0	5.5	5.0	7.2	4.8	5.7
PENNCROSS	4.7	4.4	3.7	6.0	3.6	4.5
LSD VALUE	1.0	1.0	1.0	1.0	1.0	1.0
C.V. (%)	9.0	10.2	10.3	8.3	10.7	9.6

TABLE 5C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 */
2010 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	PA1	KY1	MN1	AR1	UT1	MEAN
VILLA	4.5	4.3	3.8	3.9	3.9	4.1
SR 7200	3.0	3.5	2.2	3.2	2.5	2.9
LSD VALUE	1.0	1.0	1.0	1.0	1.0	1.0
C.V. (%)	17.1	16.3	21.3	17.9	19.7	18.3

- */ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.ORG/AMMI_Q&A.PDF
- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 2008 Bentgrass (Green) test - Final data report with permission from NTEP
 TABLE 6A. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
 A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 1 */
 2011 DATA

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

NAME	VA1	KY1	IN1	AR1	UT1	MEAN
V8	5.6	7.3	8.0	8.0	5.0	6.8
BARRACUDA (MVS-AP-101)	5.5	7.0	7.8	7.9	5.1	6.6
FOCUS (SRP-1GMC)	5.5	7.0	7.8	7.9	4.9	6.6
PROCLAMATION (LTP-FEC)	5.5	6.8	7.8	7.8	5.0	6.6
LUMINARY (A08-TDN2)	5.5	6.8	7.7	7.8	5.1	6.6
PIN-UP (HTM)	5.5	6.8	7.8	7.8	4.9	6.5
AUTHORITY	5.4	7.0	7.8	7.8	4.6	6.5
DECLARATION	5.5	6.5	7.7	7.8	4.9	6.5
AFM	5.5	6.6	7.7	7.8	4.7	6.5
ALPHA	5.2	6.3	7.5	7.6	4.4	6.2
PURE DISTINCTION (PST-OJO)	5.0	6.5	7.3	7.3	4.7	6.2
T-1	5.0	6.7	7.5	7.5	4.2	6.1
SRP-1BLTR3	5.0	6.5	7.4	7.4	4.3	6.1
PENN A-1	5.1	6.0	7.3	7.5	4.4	6.1
PENN A-2	5.0	5.8	7.2	7.4	4.3	6.0
L-93	5.0	5.9	7.2	7.4	4.1	5.9
PENNCROSS	3.9	4.9	6.2	6.3	3.0	4.8
VILLA	4.6	2.8	5.8	6.4	4.5	4.8
SR 7200	3.9	2.7	5.4	5.9	3.4	4.3
LSD VALUE	1.2	1.2	1.2	1.2	1.2	1.2
C.V. (%)	14.4	12.1	10.1	9.9	16.4	12.1

- */ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.ORG/AMMI_Q&A.PDF
- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 1 */
2011 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	VA1	KY1	IN1	AR1	UT1	MEAN
V8	5.6	7.3	8.0	8.0	5.0	6.8
BARRACUDA (MVS-AP-101)	5.5	7.0	7.8	7.9	5.1	6.6
FOCUS (SRP-1GMC)	5.5	7.0	7.8	7.9	4.9	6.6
PROCLAMATION (LTP-FEC)	5.5	6.8	7.8	7.8	5.0	6.6
LUMINARY (A08-TDN2)	5.5	6.8	7.7	7.8	5.1	6.6
PIN-UP (HTM)	5.5	6.8	7.8	7.8	4.9	6.5
AUTHORITY	5.4	7.0	7.8	7.8	4.6	6.5
DECLARATION	5.5	6.5	7.7	7.8	4.9	6.5
AFM	5.5	6.6	7.7	7.8	4.7	6.5
ALPHA	5.2	6.3	7.5	7.6	4.4	6.2
PURE DISTINCTION (PST-OJO)	5.0	6.5	7.3	7.3	4.7	6.2
T-1	5.0	6.7	7.5	7.5	4.2	6.1
SRP-1BLTR3	5.0	6.5	7.4	7.4	4.3	6.1
PENN A-1	5.1	6.0	7.3	7.5	4.4	6.1
PENN A-2	5.0	5.8	7.2	7.4	4.3	6.0
L-93	5.0	5.9	7.2	7.4	4.1	5.9
PENNCROSS	3.9	4.9	6.2	6.3	3.0	4.8
LSD VALUE	1.2	1.2	1.2	1.2	1.2	1.2
C.V. (%)	14.4	12.1	10.1	9.9	16.4	12.1

TABLE 6C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 1 */
2011 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	VA1	KY1	IN1	AR1	UT1	MEAN
VILLA	4.6	2.8	5.8	6.4	4.5	4.8
SR 7200	3.9	2.7	5.4	5.9	3.4	4.3
LSD VALUE	1.2	1.2	1.2	1.2	1.2	1.2
C.V. (%)	17.4	27.1	13.1	12.0	18.7	16.3

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.ORG/AMMI_Q&A.PDF

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 */
2011 DATA

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

NAME	RI1	MN1	WA3	MEAN
VILLA	7.4	4.9	6.1	6.2
DECLARATION	6.7	4.8	5.7	5.7
LUMINARY (A08-TDN2)	6.9	4.2	5.9	5.7
PROCLAMATION (LTP-FEC)	6.6	4.5	5.7	5.6
BARRACUDA (MVS-AP-101)	6.7	4.3	5.8	5.6
PIN-UP (HTM)	6.5	4.5	5.6	5.6
V8	6.5	4.4	5.7	5.5
AFM	6.3	4.9	5.4	5.5
FOCUS (SRP-1GMC)	6.5	4.5	5.6	5.5
PENN A-1	6.1	4.8	5.1	5.3
ALPHA	6.0	4.8	5.1	5.3
PENN A-2	6.0	4.7	5.0	5.2
AUTHORITY	6.0	4.5	5.2	5.2
PURE DISTINCTION (PST-OJO)	6.5	3.4	5.5	5.1
L-93	5.7	4.8	4.8	5.1
SR 7200	6.0	4.4	4.8	5.1
SRP-1BLTR3	5.7	4.2	4.9	4.9
T-1	5.5	4.2	4.7	4.8
PENNCROSS	4.5	3.8	3.6	3.9
LSD VALUE	1.2	1.2	1.2	1.2
C.V. (%)	11.9	16.6	14.0	13.9

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.ORG/AMMI_Q&A.PDF

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
 Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP
 A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 */
 2011 DATA

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

NAME	RI1	MN1	WA3	MEAN
DECLARATION	6.7	4.8	5.7	5.7
LUMINARY (A08-TDN2)	6.9	4.2	5.9	5.7
PROCLAMATION (LTP-FEC)	6.6	4.5	5.7	5.6
BARRACUDA (MVS-AP-101)	6.7	4.3	5.8	5.6
PIN-UP (HTM)	6.5	4.5	5.6	5.6
V8	6.5	4.4	5.7	5.5
AFM	6.3	4.9	5.4	5.5
FOCUS (SRP-1GMC)	6.5	4.5	5.6	5.5
PENN A-1	6.1	4.8	5.1	5.3
ALPHA	6.0	4.8	5.1	5.3
PENN A-2	6.0	4.7	5.0	5.2
AUTHORITY	6.0	4.5	5.2	5.2
PURE DISTINCTION (PST-OJO)	6.5	3.4	5.5	5.1
L-93	5.7	4.8	4.8	5.1
SRP-1BLTR3	5.7	4.2	4.9	4.9
T-1	5.5	4.2	4.7	4.8
PENNCROSS	4.5	3.8	3.6	3.9
LSD VALUE	1.2	1.2	1.2	1.2
C.V. (%)	12.0	16.6	14.0	14.0

TABLE 7C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON 1/
 A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 */
 2011 DATA

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

NAME	RI1	MN1	WA3	MEAN
VILLA	7.4	4.9	6.1	6.2
SR 7200	6.0	4.4	4.8	5.1
LSD VALUE	1.2	1.2	1.2	1.2
C.V. (%)	11.0	15.9	13.5	13.1

- */ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.ORG/AMMI_Q&A.PDF
- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 3 */
2011 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/			
NAME	PA1	NJ1	MEAN
PURE DISTINCTION (PST-OJO)	8.0	7.7	7.9
LUMINARY (A08-TDN2)	7.7	7.5	7.6
BARRACUDA (MVS-AP-101)	7.7	7.1	7.4
V8	7.8	6.6	7.2
PROCLAMATION (LTP-FEC)	7.2	6.5	6.8
FOCUS (SRP-1GMC)	7.2	6.2	6.7
PIN-UP (HTM)	6.9	6.1	6.5
DECLARATION	6.4	5.8	6.1
AUTHORITY	6.8	5.2	6.0
SRP-1BLTR3	6.3	4.8	5.5
AFM	5.9	4.8	5.4
T-1	6.2	4.3	5.3
ALPHA	5.4	4.2	4.8
PENN A-1	5.1	4.3	4.7
PENN A-2	4.9	4.2	4.6
L-93	4.6	3.5	4.1
VILLA	2.0	5.7	3.9
PENNCROSS	3.3	1.8	2.6
SR 7200	1.1	3.3	2.2
LSD VALUE	1.2	1.2	1.2
C.V. (%)	12.7	14.1	13.3

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.ORG/AMMI_Q&A.PDF

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

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

TABLE 8B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
 Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP
 A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 3 */
 2011 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/			
NAME	PA1	NJ1	MEAN
PURE DISTINCTION (PST-OJO)	8.0	7.7	7.9
LUMINARY (A08-TDN2)	7.7	7.5	7.6
BARRACUDA (MVS-AP-101)	7.7	7.1	7.4
V8	7.8	6.6	7.2
PROCLAMATION (LTP-FEC)	7.2	6.5	6.8
FOCUS (SRP-1GMC)	7.2	6.2	6.7
PIN-UP (HTM)	6.9	6.1	6.5
DECLARATION	6.4	5.8	6.1
AUTHORITY	6.8	5.2	6.0
SRP-1BLTR3	6.3	4.8	5.5
AFM	5.9	4.8	5.4
T-1	6.2	4.3	5.3
ALPHA	5.4	4.2	4.8
PENN A-1	5.1	4.3	4.7
PENN A-2	4.9	4.2	4.6
L-93	4.6	3.5	4.1
PENNCROSS	3.3	1.8	2.6
LSD VALUE	1.2	1.2	1.2
C.V. (%)	11.7	13.9	12.7

TABLE 8C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON 1/
 A GREEN AT FIVE LOCATIONS IN THE U.S. FOR AMMI GROUP 3 */
 2011 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/			
NAME	PA1	NJ1	MEAN
VILLA	2.0	5.7	3.9
SR 7200	1.1	3.3	2.2
LSD VALUE	1.2	1.2	1.2
C.V. (%)	47.9	16.3	24.4

- */ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.ORG/AMMI_Q&A.PDF
- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

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

NAME	PA1	VA1	KY1	IN1	MN1	AR1	UT1	WA3	MEAN
V8	7.0	6.8	6.9	7.8	6.0	8.3	5.6	4.7	6.6
PIN-UP (HTM)	6.6	6.6	6.9	7.7	5.9	8.3	5.5	4.7	6.5
FOCUS (SRP-1GMC)	7.0	6.6	6.7	7.6	5.8	8.2	5.4	4.4	6.5
PROCLAMATION (LTP-FEC)	6.7	6.5	6.9	7.6	5.9	8.1	5.6	4.4	6.5
BARRACUDA (MVS-AP-101)	7.0	6.6	6.6	7.5	5.8	8.1	5.2	4.3	6.4
LUMINARY (A08-TDN2)	6.7	6.6	6.6	7.6	5.6	8.2	5.1	4.6	6.4
AFM	6.4	6.4	6.9	7.5	5.9	8.0	5.6	4.3	6.4
AUTHORITY	5.9	6.4	6.8	7.6	5.7	8.2	5.5	4.9	6.4
DECLARATION	6.7	6.4	6.8	7.5	5.9	8.0	5.5	4.1	6.3
PURE DISTINCTION (PST-OJO)	5.5	6.3	6.5	7.5	5.3	8.2	5.1	5.3	6.2
PENN A-1	5.2	6.1	6.8	7.5	5.6	8.0	5.6	4.9	6.2
ALPHA	5.1	5.9	6.8	7.4	5.6	7.8	5.7	4.7	6.1
SRP-1BLTR3	5.0	5.9	6.7	7.3	5.4	7.8	5.4	4.8	6.0
T-1	5.1	5.9	6.6	7.2	5.4	7.7	5.4	4.6	6.0
PENN A-2	4.9	5.8	6.5	7.2	5.3	7.7	5.3	4.7	5.9
L-93	4.2	5.4	6.4	7.0	5.1	7.5	5.3	4.6	5.7
PENNCROSS	2.9	4.2	5.3	5.8	3.9	6.3	4.1	3.5	4.5
VILLA	1.3	4.5	4.7	6.1	2.7	7.0	3.1	6.0	4.5
SR 7200	0.6	4.1	4.6	5.9	2.6	6.7	3.1	5.8	4.2
LSD VALUE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
C.V. (%)	12.1	10.7	9.9	8.8	12.2	8.2	12.5	13.6	10.7

- */ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS LPI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE A LPI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON LPI, GO TO WWW.NTEP.ORG/LPI_Q&A.PDF
- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 2008 Bentgrass (Green) test - Final data report with permission from NTEP

TABLE 9B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A GREEN GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
2012 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/									
NAME	PA1	VA1	KY1	IN1	MN1	AR1	UT1	WA3	MEAN
V8	7.0	6.8	6.9	7.8	6.0	8.3	5.6	4.7	6.6
PIN-UP (HTM)	6.6	6.6	6.9	7.7	5.9	8.3	5.5	4.7	6.5
FOCUS (SRP-1GMC)	7.0	6.6	6.7	7.6	5.8	8.2	5.4	4.4	6.5
PROCLAMATION (LTP-FEC)	6.7	6.5	6.9	7.6	5.9	8.1	5.6	4.4	6.5
BARRACUDA (MVS-AP-101)	7.0	6.6	6.6	7.5	5.8	8.1	5.2	4.3	6.4
LUMINARY (A08-TDN2)	6.7	6.6	6.6	7.6	5.6	8.2	5.1	4.6	6.4
AFM	6.4	6.4	6.9	7.5	5.9	8.0	5.6	4.3	6.4
AUTHORITY	5.9	6.4	6.8	7.6	5.7	8.2	5.5	4.9	6.4
DECLARATION	6.7	6.4	6.8	7.5	5.9	8.0	5.5	4.1	6.3
PURE DISTINCTION (PST-OJO)	5.5	6.3	6.5	7.5	5.3	8.2	5.1	5.3	6.2
PENN A-1	5.2	6.1	6.8	7.5	5.6	8.0	5.6	4.9	6.2
ALPHA	5.1	5.9	6.8	7.4	5.6	7.8	5.7	4.7	6.1
SRP-1BLTR3	5.0	5.9	6.7	7.3	5.4	7.8	5.4	4.8	6.0
T-1	5.1	5.9	6.6	7.2	5.4	7.7	5.4	4.6	6.0
PENN A-2	4.9	5.8	6.5	7.2	5.3	7.7	5.3	4.7	5.9
L-93	4.2	5.4	6.4	7.0	5.1	7.5	5.3	4.6	5.7
PENNCROSS	2.9	4.2	5.3	5.8	3.9	6.3	4.1	3.5	4.5
LSD VALUE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
C.V. (%)	11.1	10.4	9.6	8.6	11.5	8.0	11.9	14.0	10.3

TABLE 9C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON 1/
A GREEN GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
2012 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/									
NAME	PA1	VA1	KY1	IN1	MN1	AR1	UT1	WA3	MEAN
VILLA	1.3	4.5	4.7	6.1	2.7	7.0	3.1	6.0	4.5
SR 7200	0.6	4.1	4.6	5.9	2.6	6.7	3.1	5.8	4.2
LSD VALUE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
C.V. (%)	64.8	14.8	13.6	10.6	24.0	9.3	20.3	10.8	14.8

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

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

TABLE 10A. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
 Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP
 A GREEN GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2012 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/			
NAME	NJ1	RI1	MEAN
LUMINARY (A08-TDN2)	7.4	6.9	7.1
V8	6.8	6.9	6.8
BARRACUDA (MVS-AP-101)	6.9	6.7	6.8
FOCUS (SRP-1GMC)	6.8	6.7	6.8
PURE DISTINCTION (PST-OJO)	6.7	6.7	6.7
PIN-UP (HTM)	6.4	6.7	6.6
PROCLAMATION (LTP-FEC)	5.9	6.5	6.2
AUTHORITY	5.8	6.5	6.1
DECLARATION	5.6	6.3	5.9
VILLA	5.9	5.9	5.9
AFM	5.4	6.3	5.8
PENN A-1	4.5	6.1	5.3
SRP-1BLTR3	4.4	5.9	5.2
PENN A-2	4.4	5.8	5.1
T-1	4.4	5.8	5.1
SR 7200	4.4	5.2	4.8
ALPHA	3.8	5.8	4.8
L-93	3.3	5.4	4.3
PENNCROSS	1.9	4.2	3.1
LSD VALUE	1.0	1.0	1.0
C.V. (%)	12.0	10.4	11.2

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS LPI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE A LPI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON LPI, GO TO WWW.NTEP.ORG/LPI_Q&A.PDF

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
 Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP
 A GREEN GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2012 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/			
NAME	NJ1	RI1	MEAN
LUMINARY (A08-TDN2)	7.4	6.9	7.1
V8	6.8	6.9	6.8
BARRACUDA (MVS-AP-101)	6.9	6.7	6.8
FOCUS (SRP-1GMC)	6.8	6.7	6.8
PURE DISTINCTION (PST-OJO)	6.7	6.7	6.7
PIN-UP (HTM)	6.4	6.7	6.6
PROCLAMATION (LTP-FEC)	5.9	6.5	6.2
AUTHORITY	5.8	6.5	6.1
DECLARATION	5.6	6.3	5.9
AFM	5.4	6.3	5.8
PENN A-1	4.5	6.1	5.3
SRP-1BLTR3	4.4	5.9	5.2
PENN A-2	4.4	5.8	5.1
T-1	4.4	5.8	5.1
ALPHA	3.8	5.8	4.8
L-93	3.3	5.4	4.3
PENNCROSS	1.9	4.2	3.1
LSD VALUE	1.0	1.0	1.0
C.V. (%)	12.0	10.3	11.1

TABLE 10C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON 1/
 A GREEN GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2012 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/			
NAME	NJ1	RI1	MEAN
VILLA	5.9	5.9	5.9
SR 7200	4.4	5.2	4.8
LSD VALUE	1.0	1.0	1.0
C.V. (%)	12.3	11.5	11.9

- */ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS LPI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE A LPI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON LPI, GO TO WWW.NTEP.ORG/LPI_Q&A.PDF
- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A GREEN GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
2013 DATA

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

NAME	PA1	NJ1	RI1	VA1	IN1	AR1	UT1	WA3	MEAN
V8	7.9	5.9	5.4	6.9	6.9	7.8	7.8	4.8	6.7
FOCUS (SRP-1GMC)	7.3	6.1	6.5	7.0	7.1	8.3	6.5	4.5	6.7
BARRACUDA (MVS-AP-101)	7.6	6.7	5.8	6.9	6.7	7.8	6.2	4.4	6.5
LUMINARY (A08-TDN2)	7.4	6.5	5.9	6.8	7.0	8.1	5.3	4.3	6.4
PIN-UP (HTM)	7.2	5.3	5.4	6.5	6.7	7.7	6.9	4.4	6.3
AUTHORITY	5.9	5.2	6.1	6.3	6.7	7.8	6.1	4.8	6.1
PROCLAMATION (LTP-FEC)	6.9	5.5	5.6	6.4	6.6	7.7	5.8	4.0	6.0
PURE DISTINCTION (PST-OJO)	7.9	5.2	4.0	6.3	6.6	7.4	6.7	4.1	6.0
AFM	6.3	4.8	5.9	6.2	6.7	7.9	5.9	4.1	6.0
DECLARATION	6.5	5.2	5.5	6.2	6.9	8.1	4.3	4.0	5.8
PENN A-1	5.2	4.0	5.8	5.8	6.5	7.8	5.5	4.3	5.6
ALPHA	5.4	3.1	5.1	5.5	6.3	7.4	7.1	4.3	5.5
T-1	5.3	3.3	4.9	5.5	6.4	7.4	6.0	4.3	5.4
PENN A-2	5.1	4.0	5.3	5.5	6.2	7.3	5.2	4.2	5.3
L-93	4.5	3.9	5.4	5.3	6.1	7.2	4.7	4.3	5.2
SRP-1BLTR3	6.3	3.2	3.3	5.3	6.5	7.3	5.2	3.9	5.1
VILLA	1.0	4.8	6.6	4.4	4.7	6.0	2.6	5.5	4.5
SR 7200	1.0	4.4	5.3	4.0	4.9	6.0	1.1	5.6	4.0
PENNCROSS	3.5	2.3	2.4	3.8	5.3	6.0	3.0	4.3	3.8
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)	9.9	11.9	10.7	9.7	8.8	7.6	10.5	12.7	10.0

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1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
 Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP
 A GREEN GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
 2013 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/									
NAME	PA1	NJ1	RI1	VA1	IN1	AR1	UT1	WA3	MEAN
V8	7.9	5.9	5.4	6.9	6.9	7.8	7.8	4.8	6.7
FOCUS (SRP-1GMC)	7.3	6.1	6.5	7.0	7.1	8.3	6.5	4.5	6.7
BARRACUDA (MVS-AP-101)	7.6	6.7	5.8	6.9	6.7	7.8	6.2	4.4	6.5
LUMINARY (A08-TDN2)	7.4	6.5	5.9	6.8	7.0	8.1	5.3	4.3	6.4
PIN-UP (HTM)	7.2	5.3	5.4	6.5	6.7	7.7	6.9	4.4	6.3
AUTHORITY	5.9	5.2	6.1	6.3	6.7	7.8	6.1	4.8	6.1
PROCLAMATION (LTP-FEC)	6.9	5.5	5.6	6.4	6.6	7.7	5.8	4.0	6.0
PURE DISTINCTION (PST-OJO)	7.9	5.2	4.0	6.3	6.6	7.4	6.7	4.1	6.0
AFM	6.3	4.8	5.9	6.2	6.7	7.9	5.9	4.1	6.0
DECLARATION	6.5	5.2	5.5	6.2	6.9	8.1	4.3	4.0	5.8
PENN A-1	5.2	4.0	5.8	5.8	6.5	7.8	5.5	4.3	5.6
ALPHA	5.4	3.1	5.1	5.5	6.3	7.4	7.1	4.3	5.5
T-1	5.3	3.3	4.9	5.5	6.4	7.4	6.0	4.3	5.4
PENN A-2	5.1	4.0	5.3	5.5	6.2	7.3	5.2	4.2	5.3
L-93	4.5	3.9	5.4	5.3	6.1	7.2	4.7	4.3	5.2
SRP-1BLTR3	6.3	3.2	3.3	5.3	6.5	7.3	5.2	3.9	5.1
PENNCROSS	3.5	2.3	2.4	3.8	5.3	6.0	3.0	4.3	3.8
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)	9.0	11.9	10.8	9.4	8.6	7.4	9.7	13.1	9.7

TABLE 11C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON 1/
 A GREEN GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
 2013 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/									
NAME	PA1	NJ1	RI1	VA1	IN1	AR1	UT1	WA3	MEAN
VILLA	1.0	4.8	6.6	4.4	4.7	6.0	2.6	5.5	4.5
SR 7200	1.0	4.4	5.3	4.0	4.9	6.0	1.1	5.6	4.0
LSD VALUE	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
C.V. (%)	55.2	12.2	9.5	13.3	11.6	9.3	30.2	10.2	13.2

- */ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS LPI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE A LPI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON LPI, GO TO WWW.NTEP.ORG/LPI_Q&A.PDF
- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A GREEN GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2013 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/			
NAME	KY1	MN1	MEAN
DECLARATION	6.5	7.0	6.8
FOCUS (SRP-1GMC)	6.5	6.9	6.7
LUMINARY (A08-TDN2)	6.5	6.8	6.6
V8	6.3	6.6	6.5
SRP-1BLTR3	6.1	6.8	6.4
PURE DISTINCTION (PST-OJO)	6.0	6.8	6.4
PIN-UP (HTM)	6.1	6.6	6.4
AFM	6.1	6.6	6.4
BARRACUDA (MVS-AP-101)	6.2	6.3	6.3
PROCLAMATION (LTP-FEC)	6.0	6.5	6.3
PENN A-1	6.1	6.2	6.1
AUTHORITY	6.2	6.0	6.1
T-1	5.9	6.2	6.0
ALPHA	5.7	6.1	5.9
PENN A-2	5.8	5.6	5.7
L-93	5.7	5.3	5.5
PENNCROSS	5.3	4.3	4.8
SR 7200	5.3	1.7	3.5
VILLA	4.8	1.4	3.1
LSD VALUE	0.9	0.9	0.9
C.V. (%)	9.4	9.7	9.6

*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS LPI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE A LPI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON LPI, GO TO WWW.NTEP.ORG/LPI_Q&A.PDF

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
 Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP
 A GREEN GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2013 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/			
NAME	KY1	MN1	MEAN
DECLARATION	6.5	7.0	6.8
FOCUS (SRP-1GMC)	6.5	6.9	6.7
LUMINARY (A08-TDN2)	6.5	6.8	6.6
V8	6.3	6.6	6.5
SRP-1BLTR3	6.1	6.8	6.4
PURE DISTINCTION (PST-OJO)	6.0	6.8	6.4
PIN-UP (HTM)	6.1	6.6	6.4
AFM	6.1	6.6	6.4
BARRACUDA (MVS-AP-101)	6.2	6.3	6.3
PROCLAMATION (LTP-FEC)	6.0	6.5	6.3
PENN A-1	6.1	6.2	6.1
AUTHORITY	6.2	6.0	6.1
T-1	5.9	6.2	6.0
ALPHA	5.7	6.1	5.9
PENN A-2	5.8	5.6	5.7
L-93	5.7	5.3	5.5
PENNCROSS	5.3	4.3	4.8
LSD VALUE	0.9	0.9	0.9
C.V. (%)	9.3	9.0	9.1

TABLE 12C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON 1/
 A GREEN GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2013 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/			
NAME	KY1	MN1	MEAN
SR 7200	5.3	1.7	3.5
VILLA	4.8	1.4	3.1
LSD VALUE	0.9	0.9	0.9
C.V. (%)	11.1	36.7	17.1

- */ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS LPI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE A LPI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON LPI, GO TO WWW.NTEP.ORG/LPI_Q&A.PDF
- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 2008 Bentgrass (Green) test - Final data report with permission from NTEP
 TABLE 13A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
 GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
 2009-13 DATA

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

				PERCENT	THATCH	PERCENT												
	GENETIC	SPRING	DENSITY	COVER	MEASURE-	ESTAB-	QUALITY RATINGS											
NAME	COLOR	GREENUP	SPRING	FALL	MENT	LISHMENT	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	
VILLA	5.3	7.9	9.0	90.0	27.0	46.7	6.5	6.8	6.9	7.1	7.1	7.3	7.5	6.7	5.9	5.0	6.9	
PURE DISTINCTION (PST-OJO)	5.3	6.6	7.0	93.0	26.0	53.3	6.8	6.0	6.8	6.7	7.5	7.1	7.0	6.7	6.3	6.0	6.8	
LUMINARY (A08-TDN2)	6.3	7.2	6.0	73.3	26.3	50.0	6.8	5.8	6.3	6.5	6.7	6.4	6.9	6.3	6.3	5.3	6.4	
FOCUS (SRP-1GMC)	6.3	6.6	7.0	63.3	25.0	63.3	6.3	5.5	6.7	6.3	6.3	6.2	6.9	6.4	6.3	5.7	6.3	
BARRACUDA (MVS-AP-101)	6.7	6.8	7.0	73.3	24.0	63.3	6.3	6.1	6.3	6.3	6.1	6.3	6.5	6.2	6.2	5.7	6.2	
V8	6.3	6.3	6.7	76.7	26.7	50.0	6.3	5.8	6.8	6.3	6.6	6.5	6.7	5.9	5.8	5.0	6.2	
PIN-UP (HTM)	6.0	6.2	6.7	73.3	26.3	50.0	6.0	5.7	6.6	6.3	6.1	6.2	6.3	6.1	6.0	5.0	6.1	
PROCLAMATION (LTP-FEC)	6.3	6.3	6.3	73.3	24.3	60.0	6.2	5.6	6.2	6.1	6.3	6.2	6.6	5.8	5.6	4.7	6.1	
T-1	7.0	5.8	6.7	53.3	25.7	50.0	6.0	5.1	6.4	6.3	6.5	6.0	6.3	5.6	5.0	4.7	6.0	
AUTHORITY	6.0	6.2	6.0	70.0	23.3	53.3	5.7	5.3	6.4	6.0	5.9	6.0	6.3	5.7	5.5	5.0	5.9	
DECLARATION	5.7	6.7	5.7	80.0	24.7	43.3	6.3	5.8	6.2	5.9	5.8	5.4	6.0	6.1	6.2	6.0	5.9	
ALPHA	7.0	5.4	6.3	76.7	25.0	56.7	5.7	5.4	6.2	6.0	6.1	6.0	5.9	5.4	4.8	4.0	5.8	
AFM	6.0	6.6	6.3	66.7	22.7	53.3	6.5	5.4	6.3	5.9	5.8	5.5	5.7	5.4	5.2	5.0	5.7	
PENN A-1	6.3	5.4	6.3	70.0	23.0	53.3	5.2	5.3	6.0	5.7	5.9	5.9	6.0	5.2	4.9	4.7	5.7	
SRP-1BLTR3	5.7	6.1	6.7	60.0	24.0	70.0	5.8	5.2	5.8	5.8	5.8	6.1	6.1	5.7	5.5	4.3	5.7	
SR 7200	5.0	7.6	9.0	80.0	22.0	46.7	5.7	5.9	5.3	5.7	5.5	5.5	6.0	5.5	5.4	5.7	5.6	
L-93	6.7	5.3	5.7	60.0	21.3	50.0	5.7	4.7	5.6	5.3	5.3	5.0	5.3	5.2	4.8	4.7	5.2	
PENN A-2	6.0	5.6	5.3	56.7	23.0	23.3	5.2	4.8	5.5	4.9	5.3	5.0	5.6	4.8	4.8	4.7	5.1	
PENNCROSS	6.0	4.2	5.7	33.3	18.3	60.0	4.3	4.1	4.8	4.3	4.6	4.3	4.3	4.1	3.8	3.0	4.3	
LSD VALUE	1.0	0.9	0.7	18.4	3.6	12.5	0.8	0.7	0.7	0.6	0.5	0.4	0.4	0.4	0.4	1.0	0.3	
C.V. (%)	8.7	18.6	7.1	15.7	8.3	14.3	11.7	16.9	14.3	13.8	12.3	9.5	10.6	11.3	10.1	11.9	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 13A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
(CONT'D) GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2009-13 DATA

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

NAME	WEAR TOLERANCE RATINGS						
	2009	JUN_2010	SEP_2010	OCT_2010	JUL_2011	AUG_2011	SEP_2011
VILLA	6.7	6.0	8.0	6.0	7.0	8.0	6.0
PURE DISTINCTION (PST-OJO)	6.2	7.0	7.7	6.3	6.0	6.7	6.0
LUMINARY (A08-TDN2)	6.0	7.0	6.7	5.7	5.3	6.3	5.3
FOCUS (SRP-1GMC)	5.5	5.7	6.7	6.0	5.7	6.0	5.3
BARRACUDA (MVS-AP-101)	5.0	5.7	6.3	5.0	5.7	5.3	5.0
V8	5.7	5.7	6.7	5.0	5.3	5.7	5.7
PIN-UP (HTM)	6.3	6.7	6.3	5.7	5.7	6.0	5.3
PROCLAMATION (LTP-FEC)	5.8	5.7	6.7	5.7	5.0	6.0	5.0
T-1	6.0	6.7	6.3	6.3	5.3	5.7	5.3
AUTHORITY	5.3	6.0	6.0	5.3	4.3	6.0	5.3
DECLARATION	5.2	5.7	5.7	5.0	5.3	5.7	5.0
ALPHA	6.2	6.7	6.3	6.7	5.3	5.7	5.7
AFM	5.3	5.7	6.3	5.7	5.3	6.0	5.0
PENN A-1	5.5	6.7	5.7	5.3	5.0	5.3	3.7
SRP-1BLTR3	5.3	6.0	6.0	6.3	5.0	5.7	6.7
SR 7200	6.3	3.7	5.7	4.7	4.3	4.7	6.0
L-93	5.3	5.0	5.3	5.7	4.7	5.3	5.3
PENN A-2	4.8	5.3	5.0	5.0	4.3	4.7	5.3
PENNCROSS	4.3	4.7	4.3	4.3	4.0	4.0	3.3
LSD VALUE	0.7	0.9	0.9	1.4	1.0	1.3	1.2
C.V. (%)	11.4	9.5	9.3	12.8	11.6	12.7	13.2

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

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

TABLE 13A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
(CONT'D) GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2009-13 DATA

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

NAME	WEAR TOLERANCE RATINGS		SCALPING RATINGS	YELLOW PATCH	%PYTHIUM ROOT DYSFUCTION	#CUTWORM /BURROW
	JUN_2012	SEP_2012	2009	2010	2012	2013
VILLA	7.7	7.7	6.3	8.0	50.0	62.3
PURE DISTINCTION (PST-OJO)	6.7	6.7	6.7	5.0	70.0	8.7
LUMINARY (A08-TDN2)	5.7	7.7	6.7	5.3	46.7	7.7
FOCUS (SRP-1GMC)	5.7	6.3	5.7	4.3	70.0	4.3
BARRACUDA (MVS-AP-101)	5.3	6.0	4.7	5.7	63.3	5.3
V8	5.3	6.0	5.7	6.0	63.3	16.7
PIN-UP (HTM)	7.0	6.3	4.3	6.0	70.0	9.7
PROCLAMATION (LTP-FEC)	6.0	6.0	5.3	5.7	73.3	22.0
T-1	6.3	6.3	6.7	6.0	73.3	12.0
AUTHORITY	6.0	6.3	5.3	6.3	63.3	11.3
DECLARATION	5.7	5.3	4.0	6.3	63.3	9.0
ALPHA	6.0	6.0	6.7	6.7	83.3	8.0
AFM	5.3	5.7	5.0	6.3	53.3	11.0
PENN A-1	6.0	6.7	5.7	7.0	76.7	6.0
SRP-1BLTR3	6.3	6.0	5.3	6.3	73.3	12.0
SR 7200	6.7	6.7	6.3	8.0	28.3	58.3
L-93	6.0	5.3	7.0	6.0	80.0	10.3
PENN A-2	5.3	5.7	6.0	5.0	66.7	16.3
PENNCROSS	5.3	4.7	5.7	4.7	63.3	11.0
LSD VALUE	1.5	1.1	1.6	1.8	18.5	8.5
C.V. (%)	12.2	10.4	15.2	16.3	16.7	35.5

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

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

TABLE 13B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2009-13 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SPRING	PERCENT COVER FALL	THATCH MEASURE- MENT	PERCENT ESTAB- LISHMENT	QUALITY RATINGS										
							MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
PURE DISTINCTION (PST-OJO)	5.3	6.6	7.0	93.0	26.0	53.3	6.8	6.0	6.8	6.7	7.5	7.1	7.0	6.7	6.3	6.0	6.8
LUMINARY (A08-TDN2)	6.3	7.2	6.0	73.3	26.3	50.0	6.8	5.8	6.3	6.5	6.7	6.4	6.9	6.3	6.3	5.3	6.4
FOCUS (SRP-1GMC)	6.3	6.6	7.0	63.3	25.0	63.3	6.3	5.5	6.7	6.3	6.3	6.2	6.9	6.4	6.3	5.7	6.3
BARRACUDA (MVS-AP-101)	6.7	6.8	7.0	73.3	24.0	63.3	6.3	6.1	6.3	6.3	6.1	6.3	6.5	6.2	6.2	5.7	6.2
V8	6.3	6.3	6.7	76.7	26.7	50.0	6.3	5.8	6.8	6.3	6.6	6.5	6.7	5.9	5.8	5.0	6.2
PIN-UP (HTM)	6.0	6.2	6.7	73.3	26.3	50.0	6.0	5.7	6.6	6.3	6.1	6.2	6.3	6.1	6.0	5.0	6.1
PROCLAMATION (LTP-FEC)	6.3	6.3	6.3	73.3	24.3	60.0	6.2	5.6	6.2	6.1	6.3	6.2	6.6	5.8	5.6	4.7	6.1
T-1	7.0	5.8	6.7	53.3	25.7	50.0	6.0	5.1	6.4	6.3	6.5	6.0	6.3	5.6	5.0	4.7	6.0
AUTHORITY	6.0	6.2	6.0	70.0	23.3	53.3	5.7	5.3	6.4	6.0	5.9	6.0	6.3	5.7	5.5	5.0	5.9
DECLARATION	5.7	6.7	5.7	80.0	24.7	43.3	6.3	5.8	6.2	5.9	5.8	5.4	6.0	6.1	6.2	6.0	5.9
ALPHA	7.0	5.4	6.3	76.7	25.0	56.7	5.7	5.4	6.2	6.0	6.1	6.0	5.9	5.4	4.8	4.0	5.8
AFM	6.0	6.6	6.3	66.7	22.7	53.3	6.5	5.4	6.3	5.9	5.8	5.5	5.7	5.4	5.2	5.0	5.7
PENN A-1	6.3	5.4	6.3	70.0	23.0	53.3	5.2	5.3	6.0	5.7	5.9	5.9	6.0	5.2	4.9	4.7	5.7
SRP-1BLTR3	5.7	6.1	6.7	60.0	24.0	70.0	5.8	5.2	5.8	5.8	5.8	6.1	6.1	5.7	5.5	4.3	5.7
L-93	6.7	5.3	5.7	60.0	21.3	50.0	5.7	4.7	5.6	5.3	5.3	5.0	5.3	5.2	4.8	4.7	5.2
PENN A-2	6.0	5.6	5.3	56.7	23.0	23.3	5.2	4.8	5.5	4.9	5.3	5.0	5.6	4.8	4.8	4.7	5.1
PENNCROSS	6.0	4.2	5.7	33.3	18.3	60.0	4.3	4.1	4.8	4.3	4.6	4.3	4.3	4.1	3.8	3.0	4.3
LSD VALUE	1.0	1.0	0.9	20.4	3.6	13.2	0.8	0.8	0.7	0.6	0.5	0.4	0.4	0.4	0.4	0.9	0.3
C.V. (%)	8.2	19.7	7.9	17.0	8.2	14.7	12.0	17.4	14.0	13.8	12.5	9.5	10.4	10.9	9.9	11.2	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 13B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
(CONT'D) GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2009-13 DATA

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

NAME	WEAR TOLERANCE RATINGS						
	2009	JUN_2010	SEP_2010	OCT_2010	JUL_2011	AUG_2011	SEP_2011
PURE DISTINCTION (PST-OJO)	6.2	7.0	7.7	6.3	6.0	6.7	6.0
LUMINARY (A08-TDN2)	6.0	7.0	6.7	5.7	5.3	6.3	5.3
FOCUS (SRP-1GMC)	5.5	5.7	6.7	6.0	5.7	6.0	5.3
BARRACUDA (MVS-AP-101)	5.0	5.7	6.3	5.0	5.7	5.3	5.0
V8	5.7	5.7	6.7	5.0	5.3	5.7	5.7
PIN-UP (HTM)	6.3	6.7	6.3	5.7	5.7	6.0	5.3
PROCLAMATION (LTP-FEC)	5.8	5.7	6.7	5.7	5.0	6.0	5.0
T-1	6.0	6.7	6.3	6.3	5.3	5.7	5.3
AUTHORITY	5.3	6.0	6.0	5.3	4.3	6.0	5.3
DECLARATION	5.2	5.7	5.7	5.0	5.3	5.7	5.0
ALPHA	6.2	6.7	6.3	6.7	5.3	5.7	5.7
AFM	5.3	5.7	6.3	5.7	5.3	6.0	5.0
PENN A-1	5.5	6.7	5.7	5.3	5.0	5.3	3.7
SRP-1BLTR3	5.3	6.0	6.0	6.3	5.0	5.7	6.7
L-93	5.3	5.0	5.3	5.7	4.7	5.3	5.3
PENN A-2	4.8	5.3	5.0	5.0	4.3	4.7	5.3
PENNCROSS	4.3	4.7	4.3	4.3	4.0	4.0	3.3
LSD VALUE	0.6	0.9	1.0	1.3	1.2	1.6	1.4
C.V. (%)	9.9	9.2	9.4	12.1	11.5	13.3	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.

TABLE 13B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
(CONT'D) GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2009-13 DATA

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

NAME	WEAR TOLERANCE RATINGS		SCALPING RATINGS	YELLOW PATCH	%PYTHIUM ROOT DYSFUCTION	#CUTWORM /BURROW
	JUN_2012	SEP_2012	2009	2010	2012	2013
PURE DISTINCTION (PST-OJO)	6.7	6.7	6.7	5.0	70.0	8.7
LUMINARY (A08-TDN2)	5.7	7.7	6.7	5.3	46.7	7.7
FOCUS (SRP-1GMC)	5.7	6.3	5.7	4.3	70.0	4.3
BARRACUDA (MVS-AP-101)	5.3	6.0	4.7	5.7	63.3	5.3
V8	5.3	6.0	5.7	6.0	63.3	16.7
PIN-UP (HTM)	7.0	6.3	4.3	6.0	70.0	9.7
PROCLAMATION (LTP-FEC)	6.0	6.0	5.3	5.7	73.3	22.0
T-1	6.3	6.3	6.7	6.0	73.3	12.0
AUTHORITY	6.0	6.3	5.3	6.3	63.3	11.3
DECLARATION	5.7	5.3	4.0	6.3	63.3	9.0
ALPHA	6.0	6.0	6.7	6.7	83.3	8.0
AFM	5.3	5.7	5.0	6.3	53.3	11.0
PENN A-1	6.0	6.7	5.7	7.0	76.7	6.0
SRP-1BLTR3	6.3	6.0	5.3	6.3	73.3	12.0
L-93	6.0	5.3	7.0	6.0	80.0	10.3
PENN A-2	5.3	5.7	6.0	5.0	66.7	16.3
PENNCROSS	5.3	4.7	5.7	4.7	63.3	11.0
LSD VALUE	1.9	1.1	1.6	2.5	22.0	13.0
C.V. (%)	12.6	9.9	15.4	17.5	15.6	53.7

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 13C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
 Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP
 GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
 2009-13 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	DENSITY SPRING	PERCENT COVER FALL	THATCH MEASURE- MENT	PERCENT ESTAB- LISHMENT	QUALITY RATINGS										MEAN
							MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
VILLA	5.3	7.9	9.0	90.0	27.0	46.7	6.5	6.8	6.9	7.1	7.1	7.3	7.5	6.7	5.9	5.0	6.9
SR 7200	5.0	7.6	9.0	80.0	22.0	46.7	5.7	5.9	5.3	5.7	5.5	5.5	6.0	5.5	5.4	5.7	5.6
LSD VALUE	1.0	1.0	0.9	20.4	3.6	13.2	0.8	0.8	0.7	0.6	0.5	0.4	0.4	0.4	0.4	0.9	0.3
C.V. (%)	7.9	10.3	0.0	0.0	2.9	0.0	4.7	12.6	16.4	14.1	10.8	9.4	11.3	14.1	12.3	15.3	6.3

TABLE 13C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
 (CONT'D) GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
 2009-13 DATA

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

NAME	WEAR TOLERANCE RATINGS						
	2009	JUN_2010	SEP_2010	OCT_2010	JUL_2011	AUG_2011	SEP_2011
VILLA	6.7	6.0	8.0	6.0	7.0	8.0	6.0
SR 7200	6.3	3.7	5.7	4.7	4.3	4.7	6.0
LSD VALUE	0.6	0.9	1.0	1.3	1.2	1.6	1.4
C.V. (%)	19.0	8.4	6.0	7.7	7.2	6.4	0.0

TABLE 13C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
 (CONT'D) GROWN ON A GREEN UNDER TRAFFIC STRESS AT AMHERST, MA 1/
 2009-13 DATA

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

NAME	WEAR TOLERANCE RATINGS		SCALPING RATINGS 2009	YELLOW PATCH 2010	%PYTHIUM ROOT DYSFUCTION 2012	#CUTWORM /BURROW 2013
	JUN_2012	SEP_2012				
VILLA	7.7	7.7	6.3	8.0	50.0	62.3
SR 7200	6.7	6.7	6.3	8.0	28.3	58.3
LSD VALUE	1.9	1.1	1.6	2.5	22.0	13.0
C.V. (%)	9.9	17.1	11.2	8.8	40.7	8.5

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

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

TABLE 14A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN UNDER LOW INPUT AT FARMINGDALE (BETHPAGE STATE PARK), NY 1/
2009-11 DATA

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

NAME	SPRING GREENUP	SEEDLING VIGOR	APR	MAY	JUN	QUALITY RATINGS				OCT	MEAN
T-1	8.2	8.7	8.0	7.5	7.5	7.7	7.3	7.7	7.8	7.8	
ALPHA	7.7	8.0	7.8	7.5	7.3	7.2	7.1	7.3	7.4	7.5	
DECLARATION	7.7	8.0	7.8	7.5	7.3	7.2	7.1	7.3	7.4	7.5	
PURE DISTINCTION (PST-OJO)	7.7	8.0	7.8	7.5	7.3	7.2	7.1	7.3	7.4	7.5	
SR 7200	7.2	7.3	7.3	6.8	7.0	7.0	6.7	7.1	7.1	7.1	
LUMINARY (A08-TDN2)	7.0	7.0	7.2	6.8	6.8	6.9	6.4	6.9	7.0	6.9	
PIN-UP (HTM)	7.0	7.0	7.2	6.7	6.8	6.8	6.4	6.9	6.9	6.9	
V8	6.8	7.0	7.0	6.5	6.7	6.6	6.3	6.6	6.6	6.6	
BARRACUDA (MVS-AP-101)	6.7	7.0	6.8	6.5	6.3	6.3	6.2	6.3	6.4	6.5	
PENNCROSS	6.8	7.0	6.8	6.5	6.3	6.3	6.2	6.4	6.4	6.5	
PENN A-1	6.3	6.7	6.7	6.3	6.2	6.2	6.0	6.2	6.3	6.4	
VILLA	6.5	7.0	6.7	6.3	6.2	6.3	6.1	6.2	6.3	6.4	
PENN A-2	6.2	6.7	6.3	6.2	6.0	6.1	5.8	6.1	6.2	6.2	
PROCLAMATION (LTP-FEC)	6.2	6.3	6.3	6.0	6.0	6.1	5.8	6.0	6.1	6.1	
AUTHORITY	6.0	6.0	6.0	5.8	5.8	5.9	5.3	5.9	5.8	5.8	
L-93	6.0	6.0	6.0	5.8	5.8	5.9	5.3	5.9	5.8	5.8	
SRP-1BLTR3	6.0	6.0	6.0	5.5	5.7	5.4	5.3	5.6	5.6	5.6	
AFM	5.7	6.0	5.8	5.5	5.3	5.3	5.3	5.3	5.4	5.5	
FOCUS (SRP-1GMC)	4.7	5.0	4.8	4.5	4.3	4.3	4.3	4.3	4.4	4.5	
LSD VALUE	0.4	0.4	0.4	0.5	0.4	0.6	0.6	0.4	0.5	0.4	
C.V. (%)	5.7	4.0	5.2	7.6	6.4	11.0	11.8	7.0	9.4	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 14B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN UNDER LOW INPUT AT FARMINGDALE (BETHPAGE STATE PARK), NY 1/
2009-11 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/										
NAME	SPRING GREENUP	SEEDLING VIGOR	APR	MAY	JUN	QUALITY RATINGS				
						JUL	AUG	SEP	OCT	MEAN
T-1	8.2	8.7	8.0	7.5	7.5	7.7	7.3	7.7	7.8	7.8
ALPHA	7.7	8.0	7.8	7.5	7.3	7.2	7.1	7.3	7.4	7.5
DECLARATION	7.7	8.0	7.8	7.5	7.3	7.2	7.1	7.3	7.4	7.5
PURE DISTINCTION (PST-OJO)	7.7	8.0	7.8	7.5	7.3	7.2	7.1	7.3	7.4	7.5
LUMINARY (A08-TDN2)	7.0	7.0	7.2	6.8	6.8	6.9	6.4	6.9	7.0	6.9
PIN-UP (HTM)	7.0	7.0	7.2	6.7	6.8	6.8	6.4	6.9	6.9	6.9
V8	6.8	7.0	7.0	6.5	6.7	6.6	6.3	6.6	6.6	6.6
BARRACUDA (MVS-AP-101)	6.7	7.0	6.8	6.5	6.3	6.3	6.2	6.3	6.4	6.5
PENNCROSS	6.8	7.0	6.8	6.5	6.3	6.3	6.2	6.4	6.4	6.5
PENN A-1	6.3	6.7	6.7	6.3	6.2	6.2	6.0	6.2	6.3	6.4
PENN A-2	6.2	6.7	6.3	6.2	6.0	6.1	5.8	6.1	6.2	6.2
PROCLAMATION (LTP-FEC)	6.2	6.3	6.3	6.0	6.0	6.1	5.8	6.0	6.1	6.1
AUTHORITY	6.0	6.0	6.0	5.8	5.8	5.9	5.3	5.9	5.8	5.8
L-93	6.0	6.0	6.0	5.8	5.8	5.9	5.3	5.9	5.8	5.8
SRP-1BLTR3	6.0	6.0	6.0	5.5	5.7	5.4	5.3	5.6	5.6	5.6
AFM	5.7	6.0	5.8	5.5	5.3	5.3	5.3	5.3	5.4	5.5
FOCUS (SRP-1GMC)	4.7	5.0	4.8	4.5	4.3	4.3	4.3	4.3	4.4	4.5
LSD VALUE	0.4	0.4	0.3	0.5	0.4	0.6	0.6	0.4	0.5	0.4
C.V. (%)	5.6	3.8	4.9	7.8	6.6	11.0	11.7	7.1	9.4	7.0

TABLE 14C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN UNDER LOW INPUT AT FARMINGDALE (BETHPAGE STATE PARK), NY 1/
2009-11 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/										
NAME	SPRING GREENUP	SEEDLING VIGOR	APR	MAY	JUN	QUALITY RATINGS				
						JUL	AUG	SEP	OCT	MEAN
SR 7200	7.2	7.3	7.3	6.8	7.0	7.0	6.7	7.1	7.1	7.1
VILLA	6.5	7.0	6.7	6.3	6.2	6.3	6.1	6.2	6.3	6.4
LSD VALUE	0.4	0.4	0.3	0.5	0.4	0.6	0.6	0.4	0.5	0.4
C.V. (%)	7.6	5.7	7.4	6.6	4.4	11.3	13.3	5.8	10.4	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.

Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP

TABLE 15A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT NORTH SHORE COUNTRY CLUB IN GLENVIEW, IL 1/
2009-13 DATA

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

	GENETIC	SPRING	FALL	FALL	PERCENT				QUALITY	RATINGS			
NAME	COLOR	GREENUP	COLOR	COLOR	ESTABLISH-	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
			OCTOBER	NOVEMBER	MENT								
PURE DISTINCTION (PST-OJO)	5.3	5.9	4.8	6.0	58.3	6.7	6.8	7.2	7.1	7.3	6.8	7.0	7.0
BARRACUDA (MVS-AP-101)	5.9	6.2	6.0	6.0	63.3	6.3	6.2	7.0	7.1	7.3	7.1	6.7	6.8
V8	6.2	5.9	6.0	6.7	43.3	6.1	6.5	7.1	7.1	6.8	7.2	6.9	6.8
FOCUS (SRP-1GMC)	5.9	6.2	5.8	6.0	61.7	6.6	6.7	6.8	6.8	6.7	6.7	6.6	6.7
LUMINARY (A08-TDN2)	6.2	5.9	6.0	5.7	50.0	6.3	6.3	6.9	6.9	6.8	6.7	6.9	6.7
PROCLAMATION (LTP-FEC)	6.2	6.3	6.4	6.3	53.3	6.3	6.7	7.1	6.9	6.5	6.7	6.6	6.7
DECLARATION	6.0	5.9	6.1	6.0	65.0	6.3	6.4	6.8	6.5	6.6	7.1	6.8	6.6
PIN-UP (HTM)	6.2	6.3	6.3	6.3	43.3	6.1	6.3	6.5	6.9	6.7	6.9	6.7	6.6
AFM	6.0	6.3	6.0	5.7	48.3	6.1	6.3	6.6	6.3	6.5	6.7	6.9	6.5
AUTHORITY	6.1	6.0	6.2	5.7	56.7	6.1	6.3	6.5	6.5	6.5	6.6	6.1	6.4
SRP-1BLTR3	6.0	5.9	6.1	6.3	51.7	6.1	5.7	6.3	6.7	6.7	7.0	6.3	6.4
T-1	6.9	6.5	7.2	6.3	41.7	5.3	5.7	6.1	6.3	6.3	6.6	6.1	6.1
ALPHA	6.3	6.1	6.6	6.0	46.7	5.3	5.5	6.1	6.1	6.3	6.5	6.3	6.0
PENN A-1	5.6	5.4	6.0	7.0	60.0	5.1	5.7	6.1	6.0	6.5	6.7	5.9	6.0
L-93	6.2	6.1	6.6	6.0	36.7	5.3	5.5	5.9	5.8	5.7	6.0	5.7	5.7
PENN A-2	5.9	5.5	6.2	6.0	28.3	5.2	5.0	5.7	5.5	5.9	6.1	5.9	5.6
PENNCROSS	5.5	5.5	5.7	7.0	65.0	4.3	4.7	4.7	4.6	4.6	4.7	4.9	4.6
SR 7200	4.4	5.6	4.3	5.0	41.7	3.4	3.7	2.4	2.9	3.1	3.3	2.9	3.1
VILLA	4.3	6.0	4.1	5.0	38.3	3.0	3.0	2.9	3.3	3.0	3.3	2.8	3.0
LSD VALUE	0.6	2.8	0.7	0.9	27.1	0.7	0.8	0.6	0.6	0.6	0.7	0.6	0.4
C.V. (%)	16.0	26.8	14.8	8.1	25.3	16.0	20.7	14.9	14.3	15.2	16.9	16.2	9.4

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

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

TABLE 15B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
 Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP
 GROWN ON A GREEN AT NORTH SHORE COUNTRY CLUB IN GLENVIEW, IL 1/
 2009-13 DATA

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

	GENETIC	SPRING	FALL	FALL	PERCENT				QUALITY	RATINGS			
NAME	COLOR	GREENUP	COLOR	COLOR	ESTABLISH-	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
			OCTOBER	NOVEMBER	MENT								
PURE DISTINCTION (PST-OJO)	5.3	5.9	4.8	6.0	58.3	6.7	6.8	7.2	7.1	7.3	6.8	7.0	7.0
BARRACUDA (MVS-AP-101)	5.9	6.2	6.0	6.0	63.3	6.3	6.2	7.0	7.1	7.3	7.1	6.7	6.8
V8	6.2	5.9	6.0	6.7	43.3	6.1	6.5	7.1	7.1	6.8	7.2	6.9	6.8
FOCUS (SRP-1GMC)	5.9	6.2	5.8	6.0	61.7	6.6	6.7	6.8	6.8	6.7	6.7	6.6	6.7
LUMINARY (A08-TDN2)	6.2	5.9	6.0	5.7	50.0	6.3	6.3	6.9	6.9	6.8	6.7	6.9	6.7
PROCLAMATION (LTP-FEC)	6.2	6.3	6.4	6.3	53.3	6.3	6.7	7.1	6.9	6.5	6.7	6.6	6.7
DECLARATION	6.0	5.9	6.1	6.0	65.0	6.3	6.4	6.8	6.5	6.6	7.1	6.8	6.6
PIN-UP (HTM)	6.2	6.3	6.3	6.3	43.3	6.1	6.3	6.5	6.9	6.7	6.9	6.7	6.6
AFM	6.0	6.3	6.0	5.7	48.3	6.1	6.3	6.6	6.3	6.5	6.7	6.9	6.5
AUTHORITY	6.1	6.0	6.2	5.7	56.7	6.1	6.3	6.5	6.5	6.5	6.6	6.1	6.4
SRP-1BLTR3	6.0	5.9	6.1	6.3	51.7	6.1	5.7	6.3	6.7	6.7	7.0	6.3	6.4
T-1	6.9	6.5	7.2	6.3	41.7	5.3	5.7	6.1	6.3	6.3	6.6	6.1	6.1
ALPHA	6.3	6.1	6.6	6.0	46.7	5.3	5.5	6.1	6.1	6.3	6.5	6.3	6.0
PENN A-1	5.6	5.4	6.0	7.0	60.0	5.1	5.7	6.1	6.0	6.5	6.7	5.9	6.0
L-93	6.2	6.1	6.6	6.0	36.7	5.3	5.5	5.9	5.8	5.7	6.0	5.7	5.7
PENN A-2	5.9	5.5	6.2	6.0	28.3	5.2	5.0	5.7	5.5	5.9	6.1	5.9	5.6
PENNCROSS	5.5	5.5	5.7	7.0	65.0	4.3	4.7	4.7	4.6	4.6	4.7	4.9	4.6
LSD VALUE	0.7	2.4	0.7	1.1	29.0	0.7	0.8	0.6	0.6	0.6	0.7	0.7	0.3
C.V. (%)	14.9	24.5	13.4	8.3	25.6	14.6	19.2	14.2	13.3	13.4	15.0	14.7	8.5

TABLE 15B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
 GROWN ON A GREEN AT NORTH SHORE COUNTRY CLUB IN GLENVIEW, IL 1/
 2009-13 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	FALL	FALL	PERCENT	APR	MAY	JUN	QUALITY RATINGS				OCT	MEAN
			COLOR OCTOBER	COLOR NOVEMBER	ESTABLISH- MENT				JUL	AUG	SEP			
SR 7200	4.4	5.6	4.3	5.0	41.7	3.4	3.7	2.4	2.9	3.1	3.3	2.9	3.1	
VILLA	4.3	6.0	4.1	5.0	38.3	3.0	3.0	2.9	3.3	3.0	3.3	2.8	3.0	
LSD VALUE	0.7	2.4	0.7	1.1	29.0	0.7	0.8	0.6	0.6	0.6	0.7	0.7	0.3	
C.V. (%)	27.9	43.6	31.6	0.0	20.4	37.4	43.0	25.9	32.1	44.8	47.6	41.1	23.8	

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 16A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT PINEHURST RESORT OLF COURSE OF RALEIGH, NC 1/
2009-11 DATA

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

NAME	GENETIC	SPRING	LEAF	DENSITY	DENSITY	WINTER	QUALITY RATINGS														
	COLOR	GREENUP	TEXTURE	SUMMER	FALL	COLOR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN		
PIN-UP (HTM)	7.9	6.8	7.7	7.7	7.8	7.2	7.3	7.4	7.6	8.1	8.2	8.1	7.7	6.9	7.3	8.0	8.1	7.8	7.7		
BARRACUDA (MVS-AP-101)	7.4	6.2	7.8	7.7	7.9	6.6	7.6	7.4	7.2	7.3	7.8	7.7	7.5	7.0	7.1	8.0	8.2	8.0	7.6		
PURE DISTINCTION (PST-OJO)	7.2	5.9	8.0	7.8	8.4	6.8	7.2	7.8	7.4	8.0	8.3	7.9	6.4	6.0	7.4	7.9	8.3	8.1	7.5		
T-1	8.0	6.4	7.5	7.3	7.9	7.1	6.8	7.0	7.2	7.2	7.5	7.9	6.8	5.7	6.9	8.6	7.6	6.9	7.1		
AUTHORITY	7.1	5.9	7.5	7.1	7.4	7.0	6.7	7.0	7.1	7.1	7.5	7.8	6.8	5.8	6.7	7.6	7.6	6.9	7.0		
PROCLAMATION (LTP-FEC)	7.7	6.0	7.8	7.2	7.1	7.2	6.2	6.4	6.6	7.0	7.6	7.7	6.8	6.0	6.4	7.4	7.7	7.3	7.0		
LUMINARY (A08-TDN2)	7.3	5.7	7.3	7.0	7.6	7.3	6.6	6.9	6.6	7.0	7.4	7.0	6.8	6.1	6.4	7.1	7.2	7.3	6.9		
SRP-1BLTR3	7.4	5.9	7.2	7.3	7.4	7.2	6.2	6.6	7.3	7.0	7.0	7.3	6.7	6.3	6.7	7.6	7.2	7.0	6.9		
V8	7.2	6.2	7.8	7.4	7.3	6.1	5.9	6.4	6.7	7.1	7.6	7.9	6.7	5.9	6.1	6.8	6.6	6.8	6.8		
DECLARATION	7.3	5.9	7.2	6.9	7.0	6.2	6.4	6.7	6.1	6.7	7.0	7.4	6.7	5.4	6.2	7.1	7.3	6.8	6.7		
AFM	7.2	5.9	7.0	6.8	7.2	6.8	6.7	6.4	6.7	6.8	7.1	7.0	6.1	5.6	6.6	7.2	7.2	6.9	6.6		
PENN A-1	7.4	5.6	7.2	6.4	7.0	6.8	5.9	5.9	6.8	6.9	7.1	6.8	6.5	5.7	6.3	7.0	7.0	6.3	6.5		
FOCUS (SRP-1GMC)	7.1	6.2	6.7	6.7	6.6	6.7	6.0	6.0	5.8	5.8	6.6	6.7	6.0	5.2	6.3	6.6	6.3	6.2	6.2		
ALPHA	7.4	5.6	7.0	6.3	6.1	6.4	5.6	5.8	6.0	6.6	7.0	6.9	6.3	5.6	5.8	6.5	6.4	6.0	6.1		
L-93	7.1	5.6	5.5	6.3	6.7	6.9	5.8	6.1	6.3	6.0	6.4	6.4	5.9	4.8	5.7	6.3	6.6	6.4	6.0		
PENN A-2	6.7	5.4	6.2	5.2	6.7	6.0	5.2	5.3	5.8	5.9	6.1	6.3	5.2	4.6	5.1	5.9	5.8	5.9	5.5		
SR 7200	4.1	6.1	9.0	7.2	8.3	5.7	4.3	4.4	4.6	4.3	4.8	3.9	3.6	3.5	4.9	5.3	5.9	5.2	4.5		
VILLA	4.0	5.9	8.8	7.3	8.6	5.7	3.7	4.0	5.0	4.0	4.5	4.2	3.9	3.8	5.3	5.2	5.9	5.2	4.5		
PENNCROSS	5.9	4.6	4.0	4.3	4.9	4.3	3.9	4.1	4.7	4.1	4.4	4.5	4.0	3.6	4.4	4.8	4.3	4.6	4.2		
LSD VALUE	0.7	2.1	0.5	0.9	0.7	1.0	0.9	0.8	1.0	0.8	0.7	0.7	1.0	1.0	1.6	0.9	0.9	0.7	0.5		
C.V. (%)	12.4	21.9	6.2	16.8	10.5	16.8	16.7	14.9	17.3	14.1	14.6	14.6	22.1	24.1	24.4	15.4	14.6	12.5	10.8		

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

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

Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP

TABLE 16A.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT PINEHURST RESORT OLF COURSE OF RALEIGH, NC 1/
2009-11 DATA

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

NAME	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	YELLOW SPOT	PERCENT ESTABLISHMENT RATINGS				PERCENT ESTABLISHMENT RATINGS				
				OCT 3 2008	OCT 20 2008	NOV 3 2008	NOV 17 2008	DEC 2 2008	DEC 22 2008	JAN 2009	FEB 2009	MAR 2009
PIN-UP (HTM)	8.0	7.5	8.7	15.0	11.7	30.0	53.3	65.0	83.3	86.7	88.3	95.0
BARRACUDA (MVS-AP-101)	7.2	7.5	8.3	13.3	10.0	21.7	53.3	66.7	80.0	96.3	91.7	96.3
PURE DISTINCTION (PST-OJO)	7.0	7.0	9.0	10.0	11.7	20.0	40.0	51.7	71.7	83.3	80.0	93.0
T-1	8.3	7.3	9.0	15.0	15.0	38.3	76.7	85.0	90.0	93.3	95.0	99.0
AUTHORITY	7.2	7.0	8.7	16.7	18.3	35.0	65.0	76.7	86.7	88.3	90.0	96.3
PROCLAMATION (LTP-FEC)	7.7	7.5	9.0	16.7	15.0	31.7	58.3	71.7	88.3	94.7	96.0	99.0
LUMINARY (A08-TDN2)	7.7	6.8	8.3	16.7	15.0	30.0	56.7	66.7	83.3	90.0	86.7	96.3
SRP-1BLTR3	8.0	7.8	9.0	13.3	13.3	23.3	58.3	65.0	80.0	90.0	86.7	96.3
V8	6.7	6.7	8.7	10.0	11.7	33.3	61.7	73.3	85.0	88.3	90.0	94.7
DECLARATION	7.2	7.0	9.0	16.7	15.0	28.3	56.7	68.3	80.0	90.0	88.3	94.7
AFM	7.2	7.3	8.7	13.3	13.3	25.0	51.7	61.7	81.7	88.3	86.7	96.0
PENN A-1	7.7	7.5	9.0	16.7	15.0	30.0	65.0	75.0	88.3	93.0	94.7	96.0
FOCUS (SRP-1GMC)	7.0	6.7	9.0	14.0	15.0	41.7	70.0	81.7	88.3	93.0	93.0	97.7
ALPHA	8.0	7.2	9.0	16.7	11.7	30.0	60.0	73.3	86.7	88.0	88.3	96.0
L-93	7.0	7.3	8.7	13.3	16.7	41.7	78.3	85.0	91.7	93.3	93.0	97.7
PENN A-2	7.0	7.0	9.0	10.0	10.0	23.3	43.3	55.0	71.7	80.0	81.7	90.0
SR 7200	4.7	5.5	5.0	16.7	18.3	33.3	58.3	68.3	81.7	86.7	88.3	93.0
VILLA	4.3	5.2	4.7	23.3	23.3	40.0	68.3	80.0	86.7	91.7	91.7	94.7
PENNCROSS	5.8	5.0	9.0	13.3	16.7	36.7	66.7	75.0	86.7	90.0	90.0	96.3
LSD VALUE	0.8	1.0	0.7	6.7	5.9	20.2	29.9	24.2	22.6	14.9	14.1	11.2
C.V. (%)	10.1	12.8	5.4	23.0	21.9	27.9	21.5	15.8	10.1	6.5	6.5	3.9

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

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

TABLE 16B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT PINEHURST RESORT OLF COURSE OF RALEIGH, NC 1/
2009-11 DATA

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

NAME	GENETIC	SPRING	LEAF	DENSITY	DENSITY	WINTER	QUALITY RATINGS												
	COLOR	GREENUP	TEXTURE	SUMMER	FALL	COLOR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
PIN-UP (HTM)	7.9	6.8	7.7	7.7	7.8	7.2	7.3	7.4	7.6	8.1	8.2	8.1	7.7	6.9	7.3	8.0	8.1	7.8	7.7
BARRACUDA (MVS-AP-101)	7.4	6.2	7.8	7.7	7.9	6.6	7.6	7.4	7.2	7.3	7.8	7.7	7.5	7.0	7.1	8.0	8.2	8.0	7.6
PURE DISTINCTION (PST-OJO)	7.2	5.9	8.0	7.8	8.4	6.8	7.2	7.8	7.4	8.0	8.3	7.9	6.4	6.0	7.4	7.9	8.3	8.1	7.5
T-1	8.0	6.4	7.5	7.3	7.9	7.1	6.8	7.0	7.2	7.2	7.5	7.9	6.8	5.7	6.9	8.6	7.6	6.9	7.1
AUTHORITY	7.1	5.9	7.5	7.1	7.4	7.0	6.7	7.0	7.1	7.1	7.5	7.8	6.8	5.8	6.7	7.6	7.6	6.9	7.0
PROCLAMATION (LTP-FEC)	7.7	6.0	7.8	7.2	7.1	7.2	6.2	6.4	6.6	7.0	7.6	7.7	6.8	6.0	6.4	7.4	7.7	7.3	7.0
LUMINARY (A08-TDN2)	7.3	5.7	7.3	7.0	7.6	7.3	6.6	6.9	6.6	7.0	7.4	7.0	6.8	6.1	6.4	7.1	7.2	7.3	6.9
SRP-1BLTR3	7.4	5.9	7.2	7.3	7.4	7.2	6.2	6.6	7.3	7.0	7.0	7.3	6.7	6.3	6.7	7.6	7.2	7.0	6.9
V8	7.2	6.2	7.8	7.4	7.3	6.1	5.9	6.4	6.7	7.1	7.6	7.9	6.7	5.9	6.1	6.8	6.6	6.8	6.8
DECLARATION	7.3	5.9	7.2	6.9	7.0	6.2	6.4	6.7	6.1	6.7	7.0	7.4	6.7	5.4	6.2	7.1	7.3	6.8	6.7
AFM	7.2	5.9	7.0	6.8	7.2	6.8	6.7	6.4	6.7	6.8	7.1	7.0	6.1	5.6	6.6	7.2	7.2	6.9	6.6
PENN A-1	7.4	5.6	7.2	6.4	7.0	6.8	5.9	5.9	6.8	6.9	7.1	6.8	6.5	5.7	6.3	7.0	7.0	6.3	6.5
FOCUS (SRP-1GMC)	7.1	6.2	6.7	6.7	6.6	6.7	6.0	6.0	5.8	5.8	6.6	6.7	6.0	5.2	6.3	6.6	6.3	6.2	6.2
ALPHA	7.4	5.6	7.0	6.3	6.1	6.4	5.6	5.8	6.0	6.6	7.0	6.9	6.3	5.6	5.8	6.5	6.4	6.0	6.1
L-93	7.1	5.6	5.5	6.3	6.7	6.9	5.8	6.1	6.3	6.0	6.4	6.4	5.9	4.8	5.7	6.3	6.6	6.4	6.0
PENN A-2	6.7	5.4	6.2	5.2	6.7	6.0	5.2	5.3	5.8	5.9	6.1	6.3	5.2	4.6	5.1	5.9	5.8	5.9	5.5
PENNCROSS	5.9	4.6	4.0	4.3	4.9	4.3	3.9	4.1	4.7	4.1	4.4	4.5	4.0	3.6	4.4	4.8	4.3	4.6	4.2
LSD VALUE	0.9	2.0	0.5	0.8	0.7	0.9	0.9	0.8	1.0	0.8	0.7	0.8	1.1	1.1	1.7	0.9	0.9	0.7	0.5
C.V. (%)	11.6	22.4	6.6	16.4	11.0	14.5	16.4	14.2	16.6	13.6	13.7	14.5	21.5	24.2	23.8	14.6	14.1	12.2	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.

Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP

TABLE 16B.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT PINEHURST RESORT OLF COURSE OF RALEIGH, NC 1/
2009-11 DATA

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

NAME	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	YELLOW SPOT	PERCENT ESTABLISHMENT RATINGS				PERCENT ESTABLISHMENT RATINGS				
				OCT 3 2008	OCT 20 2008	NOV 3 2008	NOV 17 2008	DEC 2 2008	DEC 22 2008	JAN 2009	FEB 2009	MAR 2009
PIN-UP (HTM)	8.0	7.5	8.7	15.0	11.7	30.0	53.3	65.0	83.3	86.7	88.3	95.0
BARRACUDA (MVS-AP-101)	7.2	7.5	8.3	13.3	10.0	21.7	53.3	66.7	80.0	96.3	91.7	96.3
PURE DISTINCTION (PST-OJO)	7.0	7.0	9.0	10.0	11.7	20.0	40.0	51.7	71.7	83.3	80.0	93.0
T-1	8.3	7.3	9.0	15.0	15.0	38.3	76.7	85.0	90.0	93.3	95.0	99.0
AUTHORITY	7.2	7.0	8.7	16.7	18.3	35.0	65.0	76.7	86.7	88.3	90.0	96.3
PROCLAMATION (LTP-FEC)	7.7	7.5	9.0	16.7	15.0	31.7	58.3	71.7	88.3	94.7	96.0	99.0
LUMINARY (A08-TDN2)	7.7	6.8	8.3	16.7	15.0	30.0	56.7	66.7	83.3	90.0	86.7	96.3
SRP-1BLTR3	8.0	7.8	9.0	13.3	13.3	23.3	58.3	65.0	80.0	90.0	86.7	96.3
V8	6.7	6.7	8.7	10.0	11.7	33.3	61.7	73.3	85.0	88.3	90.0	94.7
DECLARATION	7.2	7.0	9.0	16.7	15.0	28.3	56.7	68.3	80.0	90.0	88.3	94.7
AFM	7.2	7.3	8.7	13.3	13.3	25.0	51.7	61.7	81.7	88.3	86.7	96.0
PENN A-1	7.7	7.5	9.0	16.7	15.0	30.0	65.0	75.0	88.3	93.0	94.7	96.0
FOCUS (SRP-1GMC)	7.0	6.7	9.0	14.0	15.0	41.7	70.0	81.7	88.3	93.0	93.0	97.7
ALPHA	8.0	7.2	9.0	16.7	11.7	30.0	60.0	73.3	86.7	88.0	88.3	96.0
L-93	7.0	7.3	8.7	13.3	16.7	41.7	78.3	85.0	91.7	93.3	93.0	97.7
PENN A-2	7.0	7.0	9.0	10.0	10.0	23.3	43.3	55.0	71.7	80.0	81.7	90.0
PENNCROSS	5.8	5.0	9.0	13.3	16.7	36.7	66.7	75.0	86.7	90.0	90.0	96.3
LSD VALUE	0.8	1.1	0.9	8.6	7.2	21.4	29.7	23.4	22.3	14.8	12.7	9.8
C.V. (%)	9.5	12.2	4.1	24.5	22.8	29.5	22.0	15.7	10.3	6.6	6.3	3.7

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.

Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP

TABLE 16C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT PINEHURST RESORT OLF COURSE OF RALEIGH, NC 1/
2009-11 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	DENSITY SUMMER	DENSITY FALL	WINTER COLOR	QUALITY RATINGS												
							JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
SR 7200	4.1	6.1	9.0	7.2	8.3	5.7	4.3	4.4	4.6	4.3	4.8	3.9	3.6	3.5	4.9	5.3	5.9	5.2	4.5
VILLA	4.0	5.9	8.8	7.3	8.6	5.7	3.7	4.0	5.0	4.0	4.5	4.2	3.9	3.8	5.3	5.2	5.9	5.2	4.5
LSD VALUE	0.9	2.0	0.5	0.8	0.7	0.9	0.9	0.8	1.0	0.8	0.7	0.8	1.1	1.1	1.7	0.9	0.9	0.7	0.5
C.V. (%)	25.3	18.2	3.2	18.5	6.2	33.9	17.3	21.4	25.1	19.2	25.4	13.6	29.7	17.7	32.0	25.4	19.3	14.8	14.4

TABLE 16C.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT PINEHURST RESORT OLF COURSE OF RALEIGH, NC 1/
2009-11 DATA

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

NAME	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	YELLOW SPOT	PERCENT ESTABLISHMENT RATINGS					PERCENT ESTABLISHMENT RATINGS				
				OCT 3 2008	OCT 20 2008	NOV 3 2008	NOV 17 2008	DEC 2 2008	DEC 22 2008	JAN 2009	FEB 2009	MAR 2009	
SR 7200	4.7	5.5	5.0	16.7	18.3	33.3	58.3	68.3	81.7	86.7	88.3	93.0	
VILLA	4.3	5.2	4.7	23.3	23.3	40.0	68.3	80.0	86.7	91.7	91.7	94.7	
LSD VALUE	0.8	1.1	0.9	8.6	7.2	21.4	29.7	23.4	22.3	14.8	12.7	9.8	
C.V. (%)	19.5	15.1	8.4	10.2	17.0	14.7	5.6	9.9	4.2	4.0	2.3	5.0	

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

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

TABLE 17A. GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/										
NAME	AR1	IN1	MN1	NJ1	PA1	RI1	UT1	VA1	WA3	MEAN
T-1	8.1	9.0	8.9	6.5	8.9	8.0	6.8	8.3	7.3	7.7
PIN-UP (HTM)	7.3	7.2	6.3	6.3	6.9	5.3	6.8	6.7	6.6	6.7
ALPHA	7.5	7.9	7.0	5.4	6.3	6.7	5.9	8.0	7.0	6.6
FOCUS (SRP-1GMC)	7.0	7.6	5.0	6.5	5.7	6.3	6.7	7.3	6.7	6.6
LUMINARY (A08-TDN2)	7.1	7.3	5.9	6.8	5.8	6.7	6.5	8.0	5.9	6.6
V8	7.1	6.6	6.0	6.1	5.9	5.3	6.3	8.0	6.1	6.4
PENN A-1	6.8	7.4	5.6	5.7	6.3	5.3	6.3	7.3	6.8	6.3
PENN A-2	7.2	7.1	6.0	5.1	6.1	6.7	6.1	6.7	6.7	6.3
L-93	7.2	7.6	6.8	4.7	5.8	6.3	5.7	6.7	6.6	6.3
AUTHORITY	6.7	6.8	4.9	5.7	5.9	6.7	6.7	7.0	6.1	6.2
BARRACUDA (MVS-AP-101)	6.8	6.9	6.3	6.3	5.1	6.3	6.1	6.0	5.8	6.2
PROCLAMATION (LTP-FEC)	7.1	7.0	5.2	5.3	5.7	5.7	6.1	7.3	6.3	6.1
PENNCROSS	6.7	7.6	6.8	3.8	6.0	6.0	4.8	6.7	6.7	5.9
SRP-1BLTR3	6.8	7.0	4.1	5.3	4.9	6.0	5.5	6.7	6.1	5.7
DECLARATION	6.7	7.1	4.9	5.1	5.1	5.0	4.7	7.3	5.8	5.6
AFM	6.9	6.4	4.2	4.8	4.8	6.0	5.0	7.0	5.8	5.5
PURE DISTINCTION (PST-OJO)	6.7	5.4	3.7	5.3	3.4	5.7	5.0	6.3	5.3	5.2
SR 7200	7.1	5.5	3.6	3.0	4.6	4.0	4.3	4.7	5.8	4.8
VILLA	6.3	4.7	2.4	4.0	4.0	4.3	4.1	4.0	5.7	4.5
LSD VALUE	1.0	1.0	1.5	1.6	1.0	1.4	1.5	1.2	0.8	0.6
C.V. (%)	8.8	8.4	17.2	18.6	11.4	15.2	16.7	10.6	8.2	13.4

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 17B. GENETIC COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/										
NAME	AR1	IN1	MN1	NJ1	PA1	RI1	UT1	VA1	WA3	MEAN
T-1	8.1	9.0	8.9	6.5	8.9	8.0	6.8	8.3	7.3	7.7
PIN-UP (HTM)	7.3	7.2	6.3	6.3	6.9	5.3	6.8	6.7	6.6	6.7
ALPHA	7.5	7.9	7.0	5.4	6.3	6.7	5.9	8.0	7.0	6.6
FOCUS (SRP-1GMC)	7.0	7.6	5.0	6.5	5.7	6.3	6.7	7.3	6.7	6.6
LUMINARY (A08-TDN2)	7.1	7.3	5.9	6.8	5.8	6.7	6.5	8.0	5.9	6.6
V8	7.1	6.6	6.0	6.1	5.9	5.3	6.3	8.0	6.1	6.4
PENN A-1	6.8	7.4	5.6	5.7	6.3	5.3	6.3	7.3	6.8	6.3
PENN A-2	7.2	7.1	6.0	5.1	6.1	6.7	6.1	6.7	6.7	6.3
L-93	7.2	7.6	6.8	4.7	5.8	6.3	5.7	6.7	6.6	6.3
AUTHORITY	6.7	6.8	4.9	5.7	5.9	6.7	6.7	7.0	6.1	6.2
BARRACUDA (MVS-AP-101)	6.8	6.9	6.3	6.3	5.1	6.3	6.1	6.0	5.8	6.2
PROCLAMATION (LTP-FEC)	7.1	7.0	5.2	5.3	5.7	5.7	6.1	7.3	6.3	6.1
PENNCROSS	6.7	7.6	6.8	3.8	6.0	6.0	4.8	6.7	6.7	5.9
SRP-1BLTR3	6.8	7.0	4.1	5.3	4.9	6.0	5.5	6.7	6.1	5.7
DECLARATION	6.7	7.1	4.9	5.1	5.1	5.0	4.7	7.3	5.8	5.6
AFM	6.9	6.4	4.2	4.8	4.8	6.0	5.0	7.0	5.8	5.5
PURE DISTINCTION (PST-OJO)	6.7	5.4	3.7	5.3	3.4	5.7	5.0	6.3	5.3	5.2
LSD VALUE	1.0	0.8	1.4	1.6	1.0	1.5	1.6	1.2	0.8	0.6
C.V. (%)	8.8	7.1	15.1	18.0	11.3	14.8	16.5	10.6	8.3	13.1

TABLE 17C. GENETIC COLOR RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/										
NAME	AR1	IN1	MN1	NJ1	PA1	RI1	UT1	VA1	WA3	MEAN
SR 7200	7.1	5.5	3.6	3.0	4.6	4.0	4.3	4.7	5.8	4.8
VILLA	6.3	4.7	2.4	4.0	4.0	4.3	4.1	4.0	5.7	4.5
LSD VALUE	0.9	2.0	2.1	1.4	0.8	1.3	1.1	0.7	0.4	0.5
C.V. (%)	8.6	25.0	42.6	24.7	12.2	19.6	17.1	9.4	4.5	16.3

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 18A. SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	IN1	KY1	MN1	NJ1	PA1	RI1	UT1	WA3	MEAN
BARRACUDA (MVS-AP-101)	7.3	7.0	7.7	6.9	7.0	5.1	5.3	6.0	6.0
LUMINARY (A08-TDN2)	7.7	7.3	6.7	7.6	7.3	5.4	4.5	5.4	5.9
DECLARATION	7.0	8.0	8.0	6.8	6.7	5.0	5.0	5.6	5.9
PIN-UP (HTM)	7.0	7.0	5.7	5.9	7.0	5.1	5.3	5.7	5.7
AFM	7.3	7.3	6.0	5.6	6.3	5.3	5.2	5.2	5.5
PROCLAMATION (LTP-FEC)	7.3	6.7	6.3	5.6	6.3	4.4	5.6	5.5	5.5
VILLA	5.7	9.0	5.0	4.8	9.0	4.8	5.9	6.1	5.4
V8	6.7	4.0	6.3	6.1	6.7	4.4	4.9	5.5	5.4
FOCUS (SRP-1GMC)	7.3	6.3	6.0	6.6	7.0	4.2	4.6	5.4	5.4
AUTHORITY	7.0	7.0	6.3	5.6	6.0	4.7	4.3	5.3	5.2
T-1	8.7	5.7	7.0	4.7	6.7	4.8	4.8	5.2	5.2
SR 7200	5.7	9.0	5.3	3.6	8.7	5.6	4.6	6.0	5.1
SRP-1BLTR3	7.0	7.3	7.3	5.6	6.3	4.9	3.3	5.1	5.1
PURE DISTINCTION (PST-OJO)	5.7	5.7	6.0	7.0	6.3	4.3	2.8	5.3	4.9
ALPHA	7.7	4.7	6.3	4.2	5.3	4.6	4.7	5.2	4.9
PENN A-2	7.0	6.7	6.3	3.8	5.0	4.6	4.0	4.9	4.6
L-93	7.0	6.3	6.7	3.4	5.0	4.4	3.9	4.7	4.5
PENN A-1	7.0	6.7	6.0	4.1	5.3	3.4	3.4	5.0	4.4
PENNCROSS	7.0	4.7	5.0	3.3	4.0	3.8	3.2	4.4	4.0
LSD VALUE	1.1	1.5	1.4	1.6	1.0	1.7	1.8	1.0	0.8
C.V. (%)	9.6	13.8	13.4	19.8	9.9	23.0	25.4	11.8	19.0

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 18B. SPRING GREENUP RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	IN1	KY1	MN1	NJ1	PA1	RI1	UT1	WA3	MEAN
BARRACUDA (MVS-AP-101)	7.3	7.0	7.7	6.9	7.0	5.1	5.3	6.0	6.0
LUMINARY (A08-TDN2)	7.7	7.3	6.7	7.6	7.3	5.4	4.5	5.4	5.9
DECLARATION	7.0	8.0	8.0	6.8	6.7	5.0	5.0	5.6	5.9
PIN-UP (HTM)	7.0	7.0	5.7	5.9	7.0	5.1	5.3	5.7	5.7
AFM	7.3	7.3	6.0	5.6	6.3	5.3	5.2	5.2	5.5
PROCLAMATION (LTP-FEC)	7.3	6.7	6.3	5.6	6.3	4.4	5.6	5.5	5.5
V8	6.7	4.0	6.3	6.1	6.7	4.4	4.9	5.5	5.4
FOCUS (SRP-1GMC)	7.3	6.3	6.0	6.6	7.0	4.2	4.6	5.4	5.4
AUTHORITY	7.0	7.0	6.3	5.6	6.0	4.7	4.3	5.3	5.2
T-1	8.7	5.7	7.0	4.7	6.7	4.8	4.8	5.2	5.2
SRP-1BLTR3	7.0	7.3	7.3	5.6	6.3	4.9	3.3	5.1	5.1
PURE DISTINCTION (PST-OJO)	5.7	5.7	6.0	7.0	6.3	4.3	2.8	5.3	4.9
ALPHA	7.7	4.7	6.3	4.2	5.3	4.6	4.7	5.2	4.9
PENN A-2	7.0	6.7	6.3	3.8	5.0	4.6	4.0	4.9	4.6
L-93	7.0	6.3	6.7	3.4	5.0	4.4	3.9	4.7	4.5
PENN A-1	7.0	6.7	6.0	4.1	5.3	3.4	3.4	5.0	4.4
PENNCROSS	7.0	4.7	5.0	3.3	4.0	3.8	3.2	4.4	4.0
LSD VALUE	1.0	1.6	1.4	1.7	1.1	1.7	1.9	1.1	0.8
C.V. (%)	9.0	15.2	13.2	19.4	10.7	23.4	26.3	12.3	19.3

TABLE 18C. SPRING GREENUP RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	IN1	KY1	MN1	NJ1	PA1	RI1	UT1	WA3	MEAN
VILLA	5.7	9	5.0	4.8	9.0	4.8	5.9	6.1	5.4
SR 7200	5.7	9	5.3	3.6	8.7	5.6	4.6	6.0	5.1
LSD VALUE	1.5	0	1.3	1.5	0.7	1.6	1.3	0.7	0.7
C.V. (%)	16.1	0	15.8	24.4	4.6	22.5	13.3	7.2	16.6

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

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

TABLE 19A. LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/					
NAME	AR1	IN1	NJ1	RI1	MEAN
VILLA	8.1	9.0	8.9	8.3	8.5
PURE DISTINCTION (PST-OJO)	8.6	8.0	7.9	6.3	8.1
V8	8.4	7.8	7.1	6.7	7.7
LUMINARY (A08-TDN2)	8.0	7.3	7.8	4.0	7.6
SR 7200	7.7	7.7	7.4	6.3	7.4
BARRACUDA (MVS-AP-101)	7.8	7.0	7.5	5.0	7.4
AUTHORITY	8.1	7.5	6.2	7.0	7.1
PROCLAMATION (LTP-FEC)	7.5	6.8	6.9	6.3	7.1
DECLARATION	7.7	6.8	6.5	7.0	7.0
SRP-1BLTR3	7.6	7.0	6.2	6.0	6.8
FOCUS (SRP-1GMC)	7.6	6.7	6.5	4.0	6.8
PIN-UP (HTM)	7.7	6.8	6.1	5.7	6.8
T-1	7.5	7.3	5.7	5.0	6.7
AFM	7.3	6.7	5.5	4.7	6.4
PENN A-1	7.7	6.5	5.3	5.0	6.4
ALPHA	7.5	6.5	4.7	3.3	6.0
PENN A-2	7.3	6.0	5.0	4.0	5.9
L-93	6.9	6.3	3.8	3.0	5.3
PENNCROSS	5.7	4.5	2.0	2.0	3.8
LSD VALUE	0.9	0.9	1.4	1.0	0.7
C.V. (%)	7.6	7.9	14.2	12.3	10.5

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

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

TABLE 19B. LEAF TEXTURE RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	AR1	IN1	NJ1	RI1	MEAN
PURE DISTINCTION (PST-OJO)	8.6	8.0	7.9	6.3	8.1
V8	8.4	7.8	7.1	6.7	7.7
LUMINARY (A08-TDN2)	8.0	7.3	7.8	4.0	7.6
BARRACUDA (MVS-AP-101)	7.8	7.0	7.5	5.0	7.4
AUTHORITY	8.1	7.5	6.2	7.0	7.1
PROCLAMATION (LTP-FEC)	7.5	6.8	6.9	6.3	7.1
DECLARATION	7.7	6.8	6.5	7.0	7.0
SRP-1BLTR3	7.6	7.0	6.2	6.0	6.8
FOCUS (SRP-1GMC)	7.6	6.7	6.5	4.0	6.8
PIN-UP (HTM)	7.7	6.8	6.1	5.7	6.8
T-1	7.5	7.3	5.7	5.0	6.7
AFM	7.3	6.7	5.5	4.7	6.4
PENN A-1	7.7	6.5	5.3	5.0	6.4
ALPHA	7.5	6.5	4.7	3.3	6.0
PENN A-2	7.3	6.0	5.0	4.0	5.9
L-93	6.9	6.3	3.8	3.0	5.3
PENNCROSS	5.7	4.5	2.0	2.0	3.8
LSD VALUE	0.8	0.9	1.5	0.7	0.7
C.V. (%)	6.7	8.2	15.3	8.5	10.4

TABLE 19C. LEAF TEXTURE RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	AR1	IN1	NJ1	RI1	MEAN
VILLA	8.1	9.0	8.9	8.3	8.5
SR 7200	7.7	7.7	7.4	6.3	7.4
LSD VALUE	1.5	0.7	0.8	2.5	0.8
C.V. (%)	11.8	4.9	6.0	20.8	10.0

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

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

TABLE 20A. SEEDLING VIGOR RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	AR1	KY1	PA1	RI1	WA3	MEAN
PENNCROSS	6.7	7.0	7.7	4.7	7.7	6.7
PROCLAMATION (LTP-FEC)	7.7	6.0	8.0	5.7	6.0	6.7
PENN A-1	6.3	7.0	7.3	5.7	6.3	6.5
DECLARATION	6.7	6.7	7.3	5.0	5.7	6.3
LUMINARY (A08-TDN2)	5.7	5.7	7.0	7.0	5.3	6.1
ALPHA	6.7	5.0	7.3	5.3	6.0	6.1
BARRACUDA (MVS-AP-101)	6.0	5.7	6.7	5.3	5.7	5.9
T-1	6.7	6.0	6.7	4.0	5.7	5.8
FOCUS (SRP-1GMC)	6.0	5.7	7.0	4.7	5.3	5.7
VILLA	6.3	5.3	7.0	3.0	7.0	5.7
AFM	5.0	7.3	6.7	4.3	5.0	5.7
SRP-1BLTR3	6.0	5.7	6.0	5.3	5.0	5.6
AUTHORITY	5.3	6.7	6.7	3.3	5.7	5.5
PURE DISTINCTION (PST-OJO)	5.0	6.7	7.0	3.0	5.7	5.5
L-93	4.7	6.3	7.7	2.0	6.0	5.3
SR 7200	5.3	5.0	7.0	2.3	5.7	5.1
V8	4.7	6.3	5.3	4.3	4.3	5.0
PIN-UP (HTM)	4.7	5.7	6.0	2.0	4.3	4.5
PENN A-2	3.3	5.0	5.3	1.0	4.0	3.7
LSD VALUE	1.7	1.7	0.8	2.2	1.7	0.8
C.V. (%)	18.7	17.8	7.3	33.4	18.3	18.5

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 2008 Bentgrass (Green) test -- Final data report with permission from NTEP
 TABLE 20B. SEEDLING VIGOR RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN
 2009-13 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/						
NAME	AR1	KY1	PA1	RI1	WA3	MEAN
PENNCROSS	6.7	7.0	7.7	4.7	7.7	6.7
PROCLAMATION (LTP-FEC)	7.7	6.0	8.0	5.7	6.0	6.7
PENN A-1	6.3	7.0	7.3	5.7	6.3	6.5
DECLARATION	6.7	6.7	7.3	5.0	5.7	6.3
LUMINARY (A08-TDN2)	5.7	5.7	7.0	7.0	5.3	6.1
ALPHA	6.7	5.0	7.3	5.3	6.0	6.1
BARRACUDA (MVS-AP-101)	6.0	5.7	6.7	5.3	5.7	5.9
T-1	6.7	6.0	6.7	4.0	5.7	5.8
FOCUS (SRP-1GMC)	6.0	5.7	7.0	4.7	5.3	5.7
AFM	5.0	7.3	6.7	4.3	5.0	5.7
SRP-1BLTR3	6.0	5.7	6.0	5.3	5.0	5.6
AUTHORITY	5.3	6.7	6.7	3.3	5.7	5.5
PURE DISTINCTION (PST-OJO)	5.0	6.7	7.0	3.0	5.7	5.5
L-93	4.7	6.3	7.7	2.0	6.0	5.3
V8	4.7	6.3	5.3	4.3	4.3	5.0
PIN-UP (HTM)	4.7	5.7	6.0	2.0	4.3	4.5
PENN A-2	3.3	5.0	5.3	1.0	4.0	3.7
LSD VALUE	1.7	1.8	0.8	2.3	1.6	0.8
C.V. (%)	18.5	18.4	7.7	33.7	18.5	18.9

TABLE 20C. SEEDLING VIGOR RATINGS OF VELVET BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN
 2009-13 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/						
NAME	AR1	KY1	PA1	RI1	WA3	MEAN
VILLA	6.3	5.3	7	3.0	7.0	5.7
SR 7200	5.3	5.0	7	2.3	5.7	5.1
LSD VALUE	1.9	0.7	0	0.7	1.7	0.5
C.V. (%)	19.8	7.9	0	15.3	17.1	13.9

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 21A. SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	IN1	RI1	MEAN
ALPHA	8.3	7.3	7.8
SRP-1BLTR3	7.7	7.7	7.7
PIN-UP (HTM)	7.7	7.0	7.3
DECLARATION	7.3	7.0	7.2
LUMINARY (A08-TDN2)	8.0	6.3	7.2
T-1	8.3	5.3	6.8
BARRACUDA (MVS-AP-101)	7.3	6.3	6.8
PURE DISTINCTION (PST-OJO)	8.7	4.7	6.7
L-93	7.7	5.3	6.5
AFM	7.3	5.3	6.3
PENN A-1	7.7	4.7	6.2
V8	9.0	3.3	6.2
AUTHORITY	8.0	4.3	6.2
PENN A-2	7.0	5.3	6.2
PROCLAMATION (LTP-FEC)	7.3	5.0	6.2
SR 7200	.	6.0	6.0
FOCUS (SRP-1GMC)	7.0	4.3	5.7
PENNCROSS	6.0	4.0	5.0
VILLA	.	4.3	4.3
LSD VALUE	1.4	3.2	2.3
C.V. (%)	11.7	36.8	24.3

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 21B. SPRING DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/			
NAME	IN1	RI1	MEAN
ALPHA	8.3	7.3	7.8
SRP-1BLTR3	7.7	7.7	7.7
PIN-UP (HTM)	7.7	7.0	7.3
DECLARATION	7.3	7.0	7.2
LUMINARY (A08-TDN2)	8.0	6.3	7.2
T-1	8.3	5.3	6.8
BARRACUDA (MVS-AP-101)	7.3	6.3	6.8
PURE DISTINCTION (PST-OJO)	8.7	4.7	6.7
L-93	7.7	5.3	6.5
AFM	7.3	5.3	6.3
PENN A-1	7.7	4.7	6.2
V8	9.0	3.3	6.2
AUTHORITY	8.0	4.3	6.2
PENN A-2	7.0	5.3	6.2
PROCLAMATION (LTP-FEC)	7.3	5.0	6.2
FOCUS (SRP-1GMC)	7.0	4.3	5.7
PENNCROSS	6.0	4.0	5.0
LSD VALUE	1.4	3.3	2.4
C.V. (%)	11.7	37.6	24.6

TABLE 21C. SPRING DENSITY RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/	
NAME	RI1
SR 7200	6.0
VILLA	4.3
LSD VALUE	2.4
C.V. (%)	28.5

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 22A. SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	IN1	RI1	MEAN
VILLA	8.5	7.1	8.0
SR 7200	8.0	7.7	7.9
V8	8.2	7.0	7.5
DECLARATION	7.0	7.6	7.4
LUMINARY (A08-TDN2)	8.2	6.6	7.3
PURE DISTINCTION (PST-OJO)	8.7	6.2	7.3
AUTHORITY	7.0	7.2	7.2
PIN-UP (HTM)	7.3	6.9	7.1
FOCUS (SRP-1GMC)	7.0	6.6	6.8
PROCLAMATION (LTP-FEC)	7.7	6.0	6.8
BARRACUDA (MVS-AP-101)	7.5	6.2	6.7
AFM	6.5	5.6	6.0
PENN A-1	6.2	5.6	6.0
L-93	6.2	5.8	5.8
SRP-1BLTR3	6.5	4.7	5.7
T-1	7.2	4.2	5.6
ALPHA	6.7	4.0	5.4
PENN A-2	5.7	4.2	4.9
PENNCROSS	4.2	3.7	3.9
LSD VALUE	1.1	2.1	1.4
C.V. (%)	10.2	22.9	16.0

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 22B. SUMMER DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/			
NAME	IN1	RI1	MEAN
V8	8.2	7.0	7.5
DECLARATION	7.0	7.6	7.4
LUMINARY (A08-TDN2)	8.2	6.6	7.3
PURE DISTINCTION (PST-OJO)	8.7	6.2	7.3
AUTHORITY	7.0	7.2	7.2
PIN-UP (HTM)	7.3	6.9	7.1
FOCUS (SRP-1GMC)	7.0	6.6	6.8
PROCLAMATION (LTP-FEC)	7.7	6.0	6.8
BARRACUDA (MVS-AP-101)	7.5	6.2	6.7
AFM	6.5	5.6	6.0
PENN A-1	6.2	5.6	6.0
L-93	6.2	5.8	5.8
SRP-1BLTR3	6.5	4.7	5.7
T-1	7.2	4.2	5.6
ALPHA	6.7	4.0	5.4
PENN A-2	5.7	4.2	4.9
PENNCROSS	4.2	3.7	3.9
LSD VALUE	1.2	2.1	1.4
C.V. (%)	10.8	22.9	16.2

TABLE 22C. SUMMER DENSITY RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/			
NAME	IN1	RI1	MEAN
VILLA	8.5	7.1	8.0
SR 7200	8.0	7.7	7.9
LSD VALUE	0.6	2.4	1.3
C.V. (%)	4.7	22.2	13.3

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

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

TABLE 23A. FALL DENSITY RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	IN1	NJ1	RI1	MEAN
VILLA	9.0	7.9	9.0	8.1
PURE DISTINCTION (PST-OJO)	8.3	8.0	8.0	8.0
LUMINARY (A08-TDN2)	8.0	7.4	5.3	7.3
BARRACUDA (MVS-AP-101)	7.0	7.3	4.0	7.0
V8	8.0	6.7	7.3	6.8
FOCUS (SRP-1GMC)	7.0	6.5	5.0	6.5
DECLARATION	7.0	6.2	6.7	6.4
PROCLAMATION (LTP-FEC)	7.3	6.2	6.3	6.4
SR 7200	8.7	5.7	7.0	6.1
AUTHORITY	7.0	5.6	6.7	5.9
PIN-UP (HTM)	7.3	5.6	6.0	5.8
SRP-1BLTR3	7.7	5.3	6.3	5.6
T-1	7.7	4.9	5.7	5.3
AFM	6.7	4.9	5.0	5.1
PENN A-1	6.3	4.3	5.7	4.7
PENN A-2	6.0	4.3	5.7	4.6
ALPHA	6.0	3.9	5.7	4.5
L-93	6.0	3.1	4.0	3.5
PENNCROSS	4.0	1.6	3.0	2.1
LSD VALUE	1.3	1.7	1.4	1.4
C.V. (%)	11.0	18.6	14.4	17.4

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 23B. FALL DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	IN1	NJ1	RI1	MEAN
PURE DISTINCTION (PST-OJO)	8.3	8.0	8.0	8.0
LUMINARY (A08-TDN2)	8.0	7.4	5.3	7.3
BARRACUDA (MVS-AP-101)	7.0	7.3	4.0	7.0
V8	8.0	6.7	7.3	6.8
FOCUS (SRP-1GMC)	7.0	6.5	5.0	6.5
DECLARATION	7.0	6.2	6.7	6.4
PROCLAMATION (LTP-FEC)	7.3	6.2	6.3	6.4
AUTHORITY	7.0	5.6	6.7	5.9
PIN-UP (HTM)	7.3	5.6	6.0	5.8
SRP-1BLTR3	7.7	5.3	6.3	5.6
T-1	7.7	4.9	5.7	5.3
AFM	6.7	4.9	5.0	5.1
PENN A-1	6.3	4.3	5.7	4.7
PENN A-2	6.0	4.3	5.7	4.6
ALPHA	6.0	3.9	5.7	4.5
L-93	6.0	3.1	4.0	3.5
PENNCROSS	4.0	1.6	3.0	2.1
LSD VALUE	1.3	1.7	1.4	1.5
C.V. (%)	11.8	19.3	15.3	18.1

TABLE 23C. FALL DENSITY RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	IN1	NJ1	RI1	MEAN
VILLA	9.0	7.9	9.0	8.1
SR 7200	8.7	5.7	7.0	6.1
LSD VALUE	0.7	1.3	1.1	1.1
C.V. (%)	4.6	12.3	8.8	11.2

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

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

TABLE 24A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	KY1	RI1	UT1	MEAN
DECLARATION	95.3	92.8	40.0	85.9
PROCLAMATION (LTP-FEC)	90.2	89.5	56.7	85.3
VILLA	85.7	93.8	53.3	84.4
SR 7200	84.0	93.0	50.0	83.1
PIN-UP (HTM)	85.8	93.7	33.3	81.9
FOCUS (SRP-1GMC)	87.3	81.3	53.3	81.1
PENNCROSS	83.0	87.0	43.3	79.9
PURE DISTINCTION (PST-OJO)	83.5	89.5	33.3	79.7
AFM	84.0	85.5	40.0	78.9
L-93	82.5	89.5	30.0	78.8
AUTHORITY	90.2	83.8	26.7	78.7
SRP-1BLTR3	75.0	95.3	33.3	78.3
PENN A-2	83.2	90.3	23.3	78.2
ALPHA	85.2	86.3	40.0	77.9
BARRACUDA (MVS-AP-101)	89.7	75.6	50.0	76.7
PENN A-1	77.5	83.7	36.7	76.3
V8	90.7	73.3	40.0	76.3
LUMINARY (A08-TDN2)	94.3	74.8	40.0	76.1
T-1	91.8	76.5	30.0	74.7
LSD VALUE	15.0	22.2	12.4	14.3
C.V. (%)	10.9	16.3	19.5	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.

TABLE 24B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/				
NAME	KY1	RI1	UT1	MEAN
DECLARATION	95.3	92.8	40.0	85.9
PROCLAMATION (LTP-FEC)	90.2	89.5	56.7	85.3
PIN-UP (HTM)	85.8	93.7	33.3	81.9
FOCUS (SRP-1GMC)	87.3	81.3	53.3	81.1
PENNCROSS	83.0	87.0	43.3	79.9
PURE DISTINCTION (PST-OJO)	83.5	89.5	33.3	79.7
AFM	84.0	85.5	40.0	78.9
L-93	82.5	89.5	30.0	78.8
AUTHORITY	90.2	83.8	26.7	78.7
SRP-1BLTR3	75.0	95.3	33.3	78.3
PENN A-2	83.2	90.3	23.3	78.2
ALPHA	85.2	86.3	40.0	77.9
BARRACUDA (MVS-AP-101)	89.7	75.6	50.0	76.7
PENN A-1	77.5	83.7	36.7	76.3
V8	90.7	73.3	40.0	76.3
LUMINARY (A08-TDN2)	94.3	74.8	40.0	76.1
T-1	91.8	76.5	30.0	74.7
LSD VALUE	14.8	23.0	12.9	14.7
C.V. (%)	10.7	17.2	21.0	14.7

TABLE 24C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/				
NAME	KY1	RI1	UT1	MEAN
VILLA	85.7	93.8	53.3	84.4
SR 7200	84.0	93.0	50.0	83.1
LSD VALUE	15.6	11.7	6.6	9.4
C.V. (%)	11.4	7.5	7.9	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 25A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	RI1	UT1	MEAN
PROCLAMATION (LTP-FEC)	93.7	83.3	90.2
AFM	97.0	70.0	88.0
PURE DISTINCTION (PST-OJO)	96.0	70.0	87.3
AUTHORITY	97.0	66.7	86.9
PIN-UP (HTM)	95.2	70.0	86.8
PENN A-1	94.3	70.0	86.2
SRP-1BLTR3	95.8	63.3	85.0
L-93	99.0	56.7	84.9
DECLARATION	95.8	60.0	83.9
FOCUS (SRP-1GMC)	86.8	73.3	82.3
PENN A-2	96.0	46.7	79.6
V8	82.3	73.3	79.3
VILLA	82.0	70.0	78.0
BARRACUDA (MVS-AP-101)	78.8	73.3	76.9
SR 7200	91.7	43.3	75.6
ALPHA	76.0	73.3	75.1
PENNCROSS	76.2	63.3	71.9
T-1	70.5	70.0	70.3
LUMINARY (A08-TDN2)	69.8	70.0	69.9
LSD VALUE	19.9	16.8	18.9
C.V. (%)	14.3	15.6	14.8

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

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

TABLE 25B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	RI1	UT1	MEAN
PROCLAMATION (LTP-FEC)	93.7	83.3	90.2
AFM	97.0	70.0	88.0
PURE DISTINCTION (PST-OJO)	96.0	70.0	87.3
AUTHORITY	97.0	66.7	86.9
PIN-UP (HTM)	95.2	70.0	86.8
PENN A-1	94.3	70.0	86.2
SRP-1BLTR3	95.8	63.3	85.0
L-93	99.0	56.7	84.9
DECLARATION	95.8	60.0	83.9
FOCUS (SRP-1GMC)	86.8	73.3	82.3
PENN A-2	96.0	46.7	79.6
V8	82.3	73.3	79.3
BARRACUDA (MVS-AP-101)	78.8	73.3	76.9
ALPHA	76.0	73.3	75.1
PENNCROSS	76.2	63.3	71.9
T-1	70.5	70.0	70.3
LUMINARY (A08-TDN2)	69.8	70.0	69.9
LSD VALUE	20.0	16.2	18.7
C.V. (%)	14.3	14.9	14.5

TABLE 25C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	RI1	UT1	MEAN
VILLA	82.0	70.0	78.0
SR 7200	91.7	43.3	75.6
LSD VALUE	14.8	20.8	16.8
C.V. (%)	12.0	22.8	15.6

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 26A. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	RI1
FOCUS (SRP-1GMC)	99.0
PURE DISTINCTION (PST-OJO)	97.7
VILLA	97.7
DECLARATION	97.0
PIN-UP (HTM)	96.3
V8	96.0
PENN A-1	93.0
SR 7200	93.0
BARRACUDA (MVS-AP-101)	92.0
AFM	90.0
PENN A-2	90.0
AUTHORITY	89.0
LUMINARY (A08-TDN2)	88.0
PROCLAMATION (LTP-FEC)	87.3
L-93	86.7
SRP-1BLTR3	84.7
ALPHA	80.0
T-1	68.3
PENNCROSS	66.7
LSD VALUE	14.2
C.V. (%)	9.8

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

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

TABLE 26B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	RI1
FOCUS (SRP-1GMC)	99.0
PURE DISTINCTION (PST-0JO)	97.7
DECLARATION	97.0
PIN-UP (HTM)	96.3
V8	96.0
PENN A-1	93.0
BARRACUDA (MVS-AP-101)	92.0
AFM	90.0
PENN A-2	90.0
AUTHORITY	89.0
LUMINARY (A08-TDN2)	88.0
PROCLAMATION (LTP-FEC)	87.3
L-93	86.7
SRP-1BLTR3	84.7
ALPHA	80.0
T-1	68.3
PENNCROSS	66.7
LSD VALUE	14.9
C.V. (%)	10.3

TABLE 26C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	RI1
VILLA	97.7
SR 7200	93.0
LSD VALUE	6.1
C.V. (%)	3.9

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

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

TABLE 27A. FROST TOLERANCE RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 2/ 3/

NAME	WA3
PURE DISTINCTION (PST-OJ0)	7.0
VILLA	6.7
BARRACUDA (MVS-AP-101)	6.5
V8	6.3
LUMINARY (A08-TDN2)	6.2
SR 7200	6.2
AUTHORITY	6.0
PIN-UP (HTM)	6.0
PROCLAMATION (LTP-FEC)	6.0
DECLARATION	5.8
FOCUS (SRP-1GMC)	5.8
SRP-1BLTR3	5.7
AFM	5.5
T-1	5.3
PENN A-1	5.2
PENN A-2	5.0
ALPHA	4.8
L-93	4.5
PENNCROSS	3.7
LSD VALUE	1.0
C.V. (%)	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.
- 3/ FROST TOLERANCE RATED 2009-10.

TABLE 27B. FROST TOLERANCE RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 2/ 3/

NAME	WA3
PURE DISTINCTION (PST-OJO)	7.0
BARRACUDA (MVS-AP-101)	6.5
V8	6.3
LUMINARY (A08-TDN2)	6.2
AUTHORITY	6.0
PIN-UP (HTM)	6.0
PROCLAMATION (LTP-FEC)	6.0
DECLARATION	5.8
FOCUS (SRP-1GMC)	5.8
SRP-1BLTR3	5.7
AFM	5.5
T-1	5.3
PENN A-1	5.2
PENN A-2	5.0
ALPHA	4.8
L-93	4.5
PENNCROSS	3.7
LSD VALUE	1.0
C.V. (%)	11.3

TABLE 27C. FROST TOLERANCE RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 2/ 3/

NAME	WA3
VILLA	6.7
SR 7200	6.2
LSD VALUE	0.8
C.V. (%)	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.

3/ FROST TOLERANCE RATED 2009-10.

TABLE 28A. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	KY1	MN1	NJ1	PA1	WA3	MEAN
DECLARATION	4.8	4.3	7.3	3.3	4.0	4.6
LUMINARY (A08-TDN2)	4.8	4.3	7.0	2.7	4.0	4.4
BARRACUDA (MVS-AP-101)	4.4	4.0	7.0	2.7	4.3	4.3
PIN-UP (HTM)	4.8	3.7	6.0	2.7	4.0	4.2
SRP-1BLTR3	4.5	3.7	5.3	3.0	4.2	4.2
AFM	4.4	5.7	5.7	2.3	3.8	4.1
AUTHORITY	4.5	3.3	6.0	2.3	4.3	4.1
T-1	4.8	2.3	4.3	2.3	3.8	4.1
PURE DISTINCTION (PST-OJO)	4.3	3.0	7.7	2.7	4.0	4.1
PROCLAMATION (LTP-FEC)	4.2	5.7	6.3	2.3	4.0	4.1
L-93	4.1	4.0	5.0	2.3	4.3	3.9
FOCUS (SRP-1GMC)	3.8	3.3	6.0	3.3	3.8	3.8
PENN A-2	4.2	5.0	3.7	2.0	3.8	3.8
V8	3.9	3.3	6.0	2.3	4.0	3.8
ALPHA	3.9	5.3	5.3	2.0	3.8	3.7
PENN A-1	4.0	3.7	5.3	2.0	4.0	3.7
SR 7200	2.3	5.7	7.0	5.0	5.2	3.5
VILLA	2.2	5.7	8.7	4.7	5.0	3.5
PENNCROSS	3.6	5.0	4.0	1.0	4.2	3.4
LSD VALUE	0.9	4.2	1.3	1.1	0.7	0.9
C.V. (%)	14.2	61.5	14.0	24.7	10.8	18.6

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 28B. WINTER COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	KY1	MN1	NJ1	PA1	WA3	MEAN
DECLARATION	4.8	4.3	7.3	3.3	4.0	4.6
LUMINARY (A08-TDN2)	4.8	4.3	7.0	2.7	4.0	4.4
BARRACUDA (MVS-AP-101)	4.4	4.0	7.0	2.7	4.3	4.3
PIN-UP (HTM)	4.8	3.7	6.0	2.7	4.0	4.2
SRP-1BLTR3	4.5	3.7	5.3	3.0	4.2	4.2
AFM	4.4	5.7	5.7	2.3	3.8	4.1
AUTHORITY	4.5	3.3	6.0	2.3	4.3	4.1
T-1	4.8	2.3	4.3	2.3	3.8	4.1
PURE DISTINCTION (PST-OJO)	4.3	3.0	7.7	2.7	4.0	4.1
PROCLAMATION (LTP-FEC)	4.2	5.7	6.3	2.3	4.0	4.1
L-93	4.1	4.0	5.0	2.3	4.3	3.9
FOCUS (SRP-1GMC)	3.8	3.3	6.0	3.3	3.8	3.8
PENN A-2	4.2	5.0	3.7	2.0	3.8	3.8
V8	3.9	3.3	6.0	2.3	4.0	3.8
ALPHA	3.9	5.3	5.3	2.0	3.8	3.7
PENN A-1	4.0	3.7	5.3	2.0	4.0	3.7
PENNCROSS	3.6	5.0	4.0	1.0	4.2	3.4
LSD VALUE	0.9	4.2	1.4	1.1	0.7	0.9
C.V. (%)	14.1	63.2	14.6	28.2	10.1	19.1

TABLE 28C. WINTER COLOR RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	KY1	MN1	NJ1	PA1	WA3	MEAN
SR 7200	2.3	5.7	7.0	5.0	5.2	3.5
VILLA	2.2	5.7	8.7	4.7	5.0	3.5
LSD VALUE	0.4	4.6	1.3	0.7	1.1	0.7
C.V. (%)	14.2	50.9	10.4	8.4	13.7	17.9

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 29A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	AR1	IN1	KY1	NJ1	PA1	VA1	WA3	MEAN
VILLA	8.8	.	8.3	7.0	9.0	8.8	8.3	8.4
DECLARATION	8.8	9.0	7.3	7.3	8.8	8.8	8.0	8.4
SR 7200	9.0	.	7.7	6.7	9.0	9.0	8.7	8.4
FOCUS (SRP-1GMC)	9.0	9.0	6.7	7.2	8.6	7.8	7.8	8.2
BARRACUDA (MVS-AP-101)	9.0	9.0	6.0	6.8	8.8	8.0	8.0	8.1
V8	9.0	9.0	5.0	6.5	8.4	8.0	8.0	8.0
LUMINARY (A08-TDN2)	8.8	9.0	5.7	7.0	8.3	7.5	7.3	7.8
PROCLAMATION (LTP-FEC)	9.0	9.0	6.7	5.5	7.8	8.5	7.5	7.6
PIN-UP (HTM)	8.8	9.0	6.0	5.3	8.3	7.7	7.5	7.5
L-93	8.5	9.0	6.0	6.2	7.2	8.0	7.3	7.5
AFM	8.8	9.0	5.3	6.0	8.2	8.0	7.2	7.4
AUTHORITY	8.2	9.0	4.7	5.8	7.9	7.0	7.7	7.4
PENNCROSS	8.3	9.0	5.7	7.0	6.2	7.8	6.0	7.3
ALPHA	8.2	9.0	4.7	5.8	7.3	7.3	7.5	7.2
PENN A-2	8.3	9.0	4.3	5.7	6.9	7.7	6.5	7.1
PENN A-1	8.3	9.0	4.7	5.2	7.3	7.8	7.3	7.0
T-1	8.0	7.3	4.7	4.7	6.7	6.7	5.7	6.4
PURE DISTINCTION (PST-OJO)	8.0	8.7	3.3	4.5	5.4	5.8	4.5	5.9
SRP-1BLTR3	6.7	8.3	4.0	3.8	4.9	6.8	5.2	5.5
LSD VALUE	1.0	0.4	1.6	1.4	1.4	1.1	1.7	1.0
C.V. (%)	7.2	2.7	17.2	14.4	11.7	8.8	15.2	11.8

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

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

TABLE 29B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	AR1	IN1	KY1	NJ1	PA1	VA1	WA3	MEAN
DECLARATION	8.8	9.0	7.3	7.3	8.8	8.8	8.0	8.4
FOCUS (SRP-1GMC)	9.0	9.0	6.7	7.2	8.6	7.8	7.8	8.2
BARRACUDA (MVS-AP-101)	9.0	9.0	6.0	6.8	8.8	8.0	8.0	8.1
V8	9.0	9.0	5.0	6.5	8.4	8.0	8.0	8.0
LUMINARY (A08-TDN2)	8.8	9.0	5.7	7.0	8.3	7.5	7.3	7.8
PROCLAMATION (LTP-FEC)	9.0	9.0	6.7	5.5	7.8	8.5	7.5	7.6
PIN-UP (HTM)	8.8	9.0	6.0	5.3	8.3	7.7	7.5	7.5
L-93	8.5	9.0	6.0	6.2	7.2	8.0	7.3	7.5
AFM	8.8	9.0	5.3	6.0	8.2	8.0	7.2	7.4
AUTHORITY	8.2	9.0	4.7	5.8	7.9	7.0	7.7	7.4
PENNCROSS	8.3	9.0	5.7	7.0	6.2	7.8	6.0	7.3
ALPHA	8.2	9.0	4.7	5.8	7.3	7.3	7.5	7.2
PENN A-2	8.3	9.0	4.3	5.7	6.9	7.7	6.5	7.1
PENN A-1	8.3	9.0	4.7	5.2	7.3	7.8	7.3	7.0
T-1	8.0	7.3	4.7	4.7	6.7	6.7	5.7	6.4
PURE DISTINCTION (PST-OJO)	8.0	8.7	3.3	4.5	5.4	5.8	4.5	5.9
SRP-1BLTR3	6.7	8.3	4.0	3.8	4.9	6.8	5.2	5.5
LSD VALUE	1.0	0.4	1.6	1.4	1.5	1.1	1.8	1.0
C.V. (%)	7.4	2.7	18.8	14.3	12.7	9.4	16.2	12.3

TABLE 29C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	AR1	KY1	NJ1	PA1	VA1	WA3	MEAN
VILLA	8.8	8.3	7.0	9	8.8	8.3	8.4
SR 7200	9.0	7.7	6.7	9	9.0	8.7	8.4
LSD VALUE	0.3	0.9	1.6	0	0.3	0.8	0.6
C.V. (%)	2.3	7.2	14.6	0	2.3	5.8	5.9

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

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

TABLE 30A. RED THREAD RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	RI1
DECLARATION	9.0
LUMINARY (A08-TDN2)	8.0
PROCLAMATION (LTP-FEC)	7.0
FOCUS (SRP-1GMC)	6.0
VILLA	6.0
T-1	5.7
BARRACUDA (MVS-AP-101)	5.5
AFM	5.3
AUTHORITY	5.3
PIN-UP (HTM)	5.3
SRP-1BLTR3	5.3
L-93	4.3
SR 7200	4.3
V8	4.0
ALPHA	3.7
PENN A-2	3.7
PENN A-1	3.3
PURE DISTINCTION (PST-OJO)	3.0
PENNCROSS	1.0
LSD VALUE	3.0
C.V. (%)	35.7

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/ RED THREAD RATED IN 2012 ONLY

TABLE 30B. RED THREAD RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	RI1
DECLARATION	9.0
LUMINARY (A08-TDN2)	8.0
PROCLAMATION (LTP-FEC)	7.0
FOCUS (SRP-1GMC)	6.0
T-1	5.7
BARRACUDA (MVS-AP-101)	5.5
AFM	5.3
AUTHORITY	5.3
PIN-UP (HTM)	5.3
SRP-1BLTR3	5.3
L-93	4.3
V8	4.0
ALPHA	3.7
PENN A-2	3.7
PENN A-1	3.3
PURE DISTINCTION (PST-OJO)	3.0
PENNCROSS	1.0
LSD VALUE	3.0
C.V. (%)	35.9

TABLE 30C. RED THREAD RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

RED THREAD RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	RI1
VILLA	6.0
SR 7200	4.3
LSD VALUE	3.1
C.V. (%)	32.9

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/ RED THREAD RATED IN 2012 ONLY

TABLE 31A. BROWN PATCH (WARM TEMPERATURE) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	NJ1
VILLA	8.0
PURE DISTINCTION (PST-OJ0)	7.7
LUMINARY (A08-TDN2)	7.3
BARRACUDA (MVS-AP-101)	6.7
SR 7200	6.3
DECLARATION	6.0
PROCLAMATION (LTP-FEC)	6.0
FOCUS (SRP-1GMC)	5.3
PENN A-1	5.0
PENN A-2	5.0
PENNCROSS	5.0
PIN-UP (HTM)	5.0
SRP-1BLTR3	5.0
AFM	4.7
ALPHA	4.7
AUTHORITY	4.7
L-93	4.7
T-1	4.7
V8	4.3
LSD VALUE	2.0
C.V. (%)	22.8

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ BROWN PATCH (WARM TEMPERATURE) RATED IN 2013 ONLY

TABLE 31B. BROWN PATCH (WARM TEMPERATURE) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	NJ1
PURE DISTINCTION (PST-OJ0)	7.7
LUMINARY (A08-TDN2)	7.3
BARRACUDA (MVS-AP-101)	6.7
DECLARATION	6.0
PROCLAMATION (LTP-FEC)	6.0
FOCUS (SRP-1GMC)	5.3
PENN A-1	5.0
PENN A-2	5.0
PENNCROSS	5.0
PIN-UP (HTM)	5.0
SRP-1BLTR3	5.0
AFM	4.7
ALPHA	4.7
AUTHORITY	4.7
L-93	4.7
T-1	4.7
V8	4.3
LSD VALUE	2.1
C.V. (%)	24.4

TABLE 31C. BROWN PATCH (WARM TEMPERATURE) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	NJ1
VILLA	8.0
SR 7200	6.3
LSD VALUE	1.3
C.V. (%)	11.4

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

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

3/ BROWN PATCH (WARM TEMPERATURE) RATED IN 2013 ONLY

TABLE 32A. ANTHRACNOSE RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	AR1
PENN A-2	8.7
AFM	8.3
PIN-UP (HTM)	8.3
PURE DISTINCTION (PST-OJO)	8.3
ALPHA	8.0
AUTHORITY	8.0
DECLARATION	8.0
SRP-1BLTR3	8.0
FOCUS (SRP-1GMC)	7.7
L-93	7.7
BARRACUDA (MVS-AP-101)	7.0
LUMINARY (A08-TDN2)	7.0
PENN A-1	7.0
PROCLAMATION (LTP-FEC)	7.0
V8	7.0
PENNCROSS	6.7
VILLA	6.7
T-1	6.0
SR 7200	4.3
LSD VALUE	2.4
C.V. (%)	20.2

- 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/ ANTHRACNOSE RATED IN 2013 ONLY

TABLE 32B. ANTHRACNOSE RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	AR1
PENN A-2	8.7
AFM	8.3
PIN-UP (HTM)	8.3
PURE DISTINCTION (PST-OJO)	8.3
ALPHA	8.0
AUTHORITY	8.0
DECLARATION	8.0
SRP-1BLTR3	8.0
FOCUS (SRP-1GMC)	7.7
L-93	7.7
BARRACUDA (MVS-AP-101)	7.0
LUMINARY (A08-TDN2)	7.0
PENN A-1	7.0
PROCLAMATION (LTP-FEC)	7.0
V8	7.0
PENNCROSS	6.7
T-1	6.0
LSD VALUE	2.3
C.V. (%)	19.0

TABLE 32C. ANTHRACNOSE RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	AR1
VILLA	6.7
SR 7200	4.3
LSD VALUE	2.9
C.V. (%)	33.2

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

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

3/ ANTHRACNOSE RATED IN 2013 ONLY

TABLE 33A. PINK SNOW MOLD RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

PINK SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	IN1
DECLARATION	9.0
PIN-UP (HTM)	9.0
AFM	8.8
SR 7200	8.8
PENNCROSS	8.7
PURE DISTINCTION (PST-OJO)	8.7
FOCUS (SRP-1GMC)	8.5
PENN A-2	8.5
PROCLAMATION (LTP-FEC)	8.5
PENN A-1	8.3
SRP-1BLTR3	8.3
L-93	8.2
LUMINARY (A08-TDN2)	8.2
ALPHA	8.0
BARRACUDA (MVS-AP-101)	8.0
AUTHORITY	7.7
VILLA	7.7
T-1	7.5
V8	7.5
LSD VALUE	1.5
C.V. (%)	11.4

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

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

3/ PINK SNOW MOLD RATED 2009 AND 2011.

TABLE 33B. PINK SNOW MOLD RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

PINK SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	IN1
DECLARATION	9.0
PIN-UP (HTM)	9.0
AFM	8.8
PENNCROSS	8.7
PURE DISTINCTION (PST-OJO)	8.7
FOCUS (SRP-1GMC)	8.5
PENN A-2	8.5
PROCLAMATION (LTP-FEC)	8.5
PENN A-1	8.3
SRP-1BLTR3	8.3
L-93	8.2
LUMINARY (A08-TDN2)	8.2
ALPHA	8.0
BARRACUDA (MVS-AP-101)	8.0
AUTHORITY	7.7
T-1	7.5
V8	7.5
LSD VALUE	1.5
C.V. (%)	11.6

TABLE 33C. PINK SNOW MOLD RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

PINK SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	IN1
SR 7200	8.8
VILLA	7.7
LSD VALUE	1.2
C.V. (%)	9.4

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

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

3/ PINK SNOW MOLD RATED 2009 AND 2011.

TABLE 34A. TAKE-ALL PATCH RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	NJ1
LUMINARY (A08-TDN2)	8.3
PURE DISTINCTION (PST-0J0)	8.0
PROCLAMATION (LTP-FEC)	7.7
FOCUS (SRP-1GMC)	6.7
V8	6.7
BARRACUDA (MVS-AP-101)	6.3
SRP-1BLTR3	6.3
VILLA	6.3
PENN A-1	6.0
PIN-UP (HTM)	6.0
AFM	5.3
ALPHA	5.0
DECLARATION	5.0
L-93	5.0
T-1	5.0
PENN A-2	4.3
AUTHORITY	3.7
SR 7200	3.7
PENNCROSS	3.3
LSD VALUE	2.1
C.V. (%)	23.0

- 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
- 3/ TAKE-ALL PATCH RATED IN 2011 ONLY.

TABLE 34B. TAKE-ALL PATCH RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	NJ1
LUMINARY (A08-TDN2)	8.3
PURE DISTINCTION (PST-0J0)	8.0
PROCLAMATION (LTP-FEC)	7.7
FOCUS (SRP-1GMC)	6.7
V8	6.7
BARRACUDA (MVS-AP-101)	6.3
SRP-1BLTR3	6.3
PENN A-1	6.0
PIN-UP (HTM)	6.0
AFM	5.3
ALPHA	5.0
DECLARATION	5.0
L-93	5.0
T-1	5.0
PENN A-2	4.3
AUTHORITY	3.7
PENNCROSS	3.3
LSD VALUE	1.8
C.V. (%)	18.8

TABLE 34C. TAKE-ALL PATCH RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	NJ1
VILLA	6.3
SR 7200	3.7
LSD VALUE	4.0
C.V. (%)	50.3

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/ TAKE-ALL PATCH RATED IN 2011 ONLY.

TABLE 35A. SOD WEBWORM DAMAGE RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

SODWEB WORM DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/ 3/

NAME	NJ1
FOCUS (SRP-1GMC)	8.0
ALPHA	7.7
BARRACUDA (MVS-AP-101)	7.7
PENN A-2	7.7
PENNCROSS	7.7
PURE DISTINCTION (PST-OJO)	7.7
V8	7.7
AFM	7.3
L-93	7.3
LUMINARY (A08-TDN2)	7.3
PIN-UP (HTM)	7.3
PROCLAMATION (LTP-FEC)	7.3
AUTHORITY	7.0
SRP-1BLTR3	7.0
T-1	7.0
DECLARATION	6.7
PENN A-1	6.0
VILLA	6.0
SR 7200	5.7
LSD VALUE	2.1
C.V. (%)	17.9

- 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/ SODWEB WORM DAMAGE RATED IN 2013 ONLY.

TABLE 35B. SODWEB WORM DAMAGE RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

SODWEB WORM DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/ 3/

NAME	NJ1
FOCUS (SRP-1GMC)	8.0
ALPHA	7.7
BARRACUDA (MVS-AP-101)	7.7
PENN A-2	7.7
PENNCROSS	7.7
PURE DISTINCTION (PST-OJO)	7.7
V8	7.7
AFM	7.3
L-93	7.3
LUMINARY (A08-TDN2)	7.3
PIN-UP (HTM)	7.3
PROCLAMATION (LTP-FEC)	7.3
AUTHORITY	7.0
SRP-1BLTR3	7.0
T-1	7.0
DECLARATION	6.7
PENN A-1	6.0
LSD VALUE	1.5
C.V. (%)	12.4

TABLE 35C. SODWEB WORM DAMAGE RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

SODWEB WORM DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/ 3/

NAME	NJ1
VILLA	6.0
SR 7200	5.7
LSD VALUE	4.7
C.V. (%)	50.5

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/ SOD WEB WORM DAMAGE RATED IN 2013 ONLY.

TABLE 36A. FALL COLOR (SEPTEMBER) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	PA1	WA3	MEAN
BARRACUDA (MVS-AP-101)	7.7	6.0	6.8
AUTHORITY	6.7	6.7	6.7
LUMINARY (A08-TDN2)	6.7	6.7	6.7
PURE DISTINCTION (PST-OJO)	7.3	6.0	6.7
V8	7.0	6.3	6.7
DECLARATION	6.7	6.3	6.5
FOCUS (SRP-1GMC)	6.7	6.3	6.5
PENN A-1	5.3	7.0	6.2
PIN-UP (HTM)	6.0	6.3	6.2
PROCLAMATION (LTP-FEC)	6.0	6.3	6.2
SR 7200	7.3	5.0	6.2
VILLA	7.3	5.0	6.2
SRP-1BLTR3	6.0	6.0	6.0
PENN A-2	5.0	6.7	5.8
T-1	5.0	6.7	5.8
AFM	5.7	5.7	5.7
ALPHA	4.0	7.0	5.5
L-93	4.3	6.3	5.3
PENNCROSS	2.3	6.7	4.5
LSD VALUE	1.0	0.7	0.9
C.V. (%)	10.9	7.3	9.1

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ FALL COLOR (SEPTEMBER) RATED AT "PA1" IN 2010 AND AT "WA3" IN 2012.

TABLE 36B. FALL COLOR (SEPTEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	PA1	WA3	MEAN
BARRACUDA (MVS-AP-101)	7.7	6.0	6.8
AUTHORITY	6.7	6.7	6.7
LUMINARY (A08-TDN2)	6.7	6.7	6.7
PURE DISTINCTION (PST-OJO)	7.3	6.0	6.7
V8	7.0	6.3	6.7
DECLARATION	6.7	6.3	6.5
FOCUS (SRP-1GMC)	6.7	6.3	6.5
PENN A-1	5.3	7.0	6.2
PIN-UP (HTM)	6.0	6.3	6.2
PROCLAMATION (LTP-FEC)	6.0	6.3	6.2
SRP-1BLTR3	6.0	6.0	6.0
PENN A-2	5.0	6.7	5.8
T-1	5.0	6.7	5.8
AFM	5.7	5.7	5.7
ALPHA	4.0	7.0	5.5
L-93	4.3	6.3	5.3
PENNCROSS	2.3	6.7	4.5
LSD VALUE	1.1	0.8	0.9
C.V. (%)	11.4	7.6	9.5

TABLE 36C. FALL COLOR (SEPTEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	PA1	WA3	MEAN
SR 7200	7.3	5	6.2
VILLA	7.3	5	6.2
LSD VALUE	0.9	0	0.5
C.V. (%)	7.9	0	3.9

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

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

3/ FALL COLOR (SEPTEMBER) RATED AT "PA1" IN 2010 AND AT "WA3" IN 2012.

TABLE 37A. FALL COLOR (OCTOBER) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	UT1	WA3	MEAN
V8	6.3	6.7	6.4
ALPHA	5.7	6.7	6.0
AUTHORITY	5.2	6.0	5.4
PIN-UP (HTM)	4.8	6.7	5.4
T-1	4.8	6.7	5.4
BARRACUDA (MVS-AP-101)	5.0	6.0	5.3
PROCLAMATION (LTP-FEC)	4.7	6.7	5.3
PENN A-2	4.5	6.3	5.1
LUMINARY (A08-TDN2)	4.2	6.7	5.0
PENN A-1	4.5	5.7	4.9
FOCUS (SRP-1GMC)	4.2	6.0	4.8
SR 7200	4.0	6.3	4.8
SRP-1BLTR3	4.2	6.0	4.8
PURE DISTINCTION (PST-OJO)	4.0	6.0	4.7
VILLA	4.2	5.7	4.7
L-93	3.8	6.0	4.6
PENNCROSS	3.2	6.7	4.3
DECLARATION	3.5	6.0	4.3
AFM	3.3	6.0	4.2
LSD VALUE	1.4	1.0	1.3
C.V. (%)	19.9	9.5	16.4

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ FALL COLOR (OCTOBER) RATED AT "UT1" IN 2009 & 2013 AND AT "WA3" IN 2012.

TABLE 37B. FALL COLOR (OCTOBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	UT1	WA3	MEAN
V8	6.3	6.7	6.4
ALPHA	5.7	6.7	6.0
AUTHORITY	5.2	6.0	5.4
PIN-UP (HTM)	4.8	6.7	5.4
T-1	4.8	6.7	5.4
BARRACUDA (MVS-AP-101)	5.0	6.0	5.3
PROCLAMATION (LTP-FEC)	4.7	6.7	5.3
PENN A-2	4.5	6.3	5.1
LUMINARY (A08-TDN2)	4.2	6.7	5.0
PENN A-1	4.5	5.7	4.9
FOCUS (SRP-1GMC)	4.2	6.0	4.8
SRP-1BLTR3	4.2	6.0	4.8
PURE DISTINCTION (PST-OJO)	4.0	6.0	4.7
L-93	3.8	6.0	4.6
PENNCROSS	3.2	6.7	4.3
DECLARATION	3.5	6.0	4.3
AFM	3.3	6.0	4.2
LSD VALUE	1.4	0.9	1.2
C.V. (%)	19.9	8.6	16.1

TABLE 37C. FALL COLOR (OCTOBER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	UT1	WA3	MEAN
SR 7200	4.0	6.3	4.8
VILLA	4.2	5.7	4.7
LSD VALUE	1.1	1.5	1.2
C.V. (%)	27.6	15.2	23.5

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

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

3/ FALL COLOR (OCTOBER) RATED AT "UT1" IN 2009 & 2013 AND AT "WA3" IN 2012.

TABLE 38A. FALL COLOR (NOVEMBER) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	AR1	PA1	RI1	MEAN
LUMINARY (A08-TDN2)	7.0	5.3	8.7	6.6
AUTHORITY	7.7	5.0	8.0	6.4
BARRACUDA (MVS-AP-101)	7.0	5.7	7.0	6.3
FOCUS (SRP-1GMC)	6.7	5.7	7.3	6.3
SRP-1BLTR3	7.3	5.3	7.3	6.3
V8	7.3	5.3	7.3	6.3
PURE DISTINCTION (PST-OJO)	6.7	5.3	7.7	6.3
PENN A-1	7.0	4.0	9.0	6.0
DECLARATION	6.7	5.2	6.7	5.9
PROCLAMATION (LTP-FEC)	6.7	4.7	7.7	5.9
PENN A-2	7.7	4.0	7.7	5.8
AFM	6.7	4.3	7.3	5.7
T-1	7.7	3.8	7.3	5.7
PIN-UP (HTM)	7.0	4.7	6.3	5.7
VILLA	6.3	4.5	6.7	5.5
SR 7200	7.3	4.3	3.7	4.9
ALPHA	6.3	3.2	7.0	4.9
L-93	6.3	3.5	6.3	4.9
PENNCROSS	5.7	2.0	6.3	4.0
LSD VALUE	1.2	1.1	1.7	1.3
C.V. (%)	11.0	17.4	14.2	15.0

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/ FALL COLOR (NOVEMBER) RATED AT "AR1" IN 2010, AT "PA1" IN 2009 & 2013 AND AT "RI1" IN 2012.

TABLE 38B. FALL COLOR (NOVEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	AR1	PA1	RI1	MEAN
LUMINARY (A08-TDN2)	7.0	5.3	8.7	6.6
AUTHORITY	7.7	5.0	8.0	6.4
BARRACUDA (MVS-AP-101)	7.0	5.7	7.0	6.3
FOCUS (SRP-1GMC)	6.7	5.7	7.3	6.3
SRP-1BLTR3	7.3	5.3	7.3	6.3
V8	7.3	5.3	7.3	6.3
PURE DISTINCTION (PST-OJO)	6.7	5.3	7.7	6.3
PENN A-1	7.0	4.0	9.0	6.0
DECLARATION	6.7	5.2	6.7	5.9
PROCLAMATION (LTP-FEC)	6.7	4.7	7.7	5.9
PENN A-2	7.7	4.0	7.7	5.8
AFM	6.7	4.3	7.3	5.7
T-1	7.7	3.8	7.3	5.7
PIN-UP (HTM)	7.0	4.7	6.3	5.7
ALPHA	6.3	3.2	7.0	4.9
L-93	6.3	3.5	6.3	4.9
PENNCROSS	5.7	2.0	6.3	4.0
LSD VALUE	1.2	1.1	1.7	1.3
C.V. (%)	10.7	17.2	13.9	14.8

TABLE 38C. FALL COLOR (NOVEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	AR1	PA1	RI1	MEAN
VILLA	6.3	4.5	6.7	5.5
SR 7200	7.3	4.3	3.7	4.9
LSD VALUE	1.5	0.9	1.5	1.2
C.V. (%)	13.4	23.2	17.7	19.3

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 (NOVEMBER) RATED AT "AR1" IN 2010, AT "PA1" IN 2009 & 2013 AND AT "RI1" IN 2012.

TABLE 39A. FALL COLOR (DECEMBER) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	VA1	WA3	MEAN
BARRACUDA (MVS-AP-101)	4.7	4.7	4.7
DECLARATION	5.0	4.3	4.7
PENN A-1	5.0	4.3	4.7
PIN-UP (HTM)	5.0	4.3	4.7
LUMINARY (A08-TDN2)	4.7	4.0	4.3
PURE DISTINCTION (PST-OJO)	4.0	4.7	4.3
SR 7200	4.0	4.7	4.3
V8	4.3	4.3	4.3
VILLA	3.3	5.0	4.2
AUTHORITY	4.0	4.0	4.0
FOCUS (SRP-1GMC)	4.0	4.0	4.0
AFM	3.7	4.0	3.8
PROCLAMATION (LTP-FEC)	3.3	4.0	3.7
T-1	3.3	4.0	3.7
SRP-1BLTR3	3.7	3.7	3.7
ALPHA	2.7	4.0	3.3
L-93	3.0	3.7	3.3
PENN A-2	2.3	4.0	3.2
PENNCROSS	2.3	3.7	3.0
LSD VALUE	1.6	0.8	1.2
C.V. (%)	26.0	11.4	18.7

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ FALL COLOR (DECEMBER) RATED AT "VA1" IN 2009 AND AT "WA3" IN 2013.

TABLE 39B. FALL COLOR (DECEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	VA1	WA3	MEAN
BARRACUDA (MVS-AP-101)	4.7	4.7	4.7
DECLARATION	5.0	4.3	4.7
PENN A-1	5.0	4.3	4.7
PIN-UP (HTM)	5.0	4.3	4.7
LUMINARY (A08-TDN2)	4.7	4.0	4.3
PURE DISTINCTION (PST-OJO)	4.0	4.7	4.3
V8	4.3	4.3	4.3
AUTHORITY	4.0	4.0	4.0
FOCUS (SRP-1GMC)	4.0	4.0	4.0
AFM	3.7	4.0	3.8
PROCLAMATION (LTP-FEC)	3.3	4.0	3.7
T-1	3.3	4.0	3.7
SRP-1BLTR3	3.7	3.7	3.7
ALPHA	2.7	4.0	3.3
L-93	3.0	3.7	3.3
PENN A-2	2.3	4.0	3.2
PENNCROSS	2.3	3.7	3.0
LSD VALUE	1.6	0.8	1.2
C.V. (%)	26.4	11.8	19.1

TABLE 39C. FALL COLOR (DECEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/

NAME	VA1	WA3	MEAN
SR 7200	4.0	4.7	4.3
VILLA	3.3	5.0	4.2
LSD VALUE	1.3	0.7	1.0
C.V. (%)	22.3	8.4	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/ FALL COLOR (DECEMBER) RATED AT "VA1" IN 2009 AND AT "WA3" IN 2013.

TABLE 40A. POA ANNUA RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/

NAME	PA1
PURE DISTINCTION (PST-OJO)	8.7
PROCLAMATION (LTP-FEC)	8.3
BARRACUDA (MVS-AP-101)	8.0
DECLARATION	8.0
FOCUS (SRP-1GMC)	8.0
LUMINARY (A08-TDN2)	8.0
PIN-UP (HTM)	8.0
V8	8.0
SRP-1BLTR3	7.7
AFM	7.3
AUTHORITY	7.3
ALPHA	6.7
PENN A-2	6.7
T-1	6.7
PENN A-1	5.7
L-93	5.3
VILLA	5.3
PENNCROSS	4.3
SR 7200	2.7
LSD VALUE	1.3
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/ POA ANNUA RATED IN 2011 ONLY.

TABLE 40B. POA ANNUA RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/		
NAME	PA1	
PURE DISTINCTION (PST-OJO)	8.7	
PROCLAMATION (LTP-FEC)	8.3	
BARRACUDA (MVS-AP-101)	8.0	
DECLARATION	8.0	
FOCUS (SRP-1GMC)	8.0	
LUMINARY (A08-TDN2)	8.0	
PIN-UP (HTM)	8.0	
V8	8.0	
SRP-1BLTR3	7.7	
AFM	7.3	
AUTHORITY	7.3	
ALPHA	6.7	
PENN A-2	6.7	
T-1	6.7	
PENN A-1	5.7	
L-93	5.3	
PENNCROSS	4.3	
LSD VALUE	1.3	
C.V. (%)	11.0	

TABLE 40C. POA ANNUA RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/		
NAME	PA1	
VILLA	5.3	
SR 7200	2.7	
LSD VALUE	1.5	
C.V. (%)	22.8	

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ POA ANNUA RATED IN 2011 ONLY.

TABLE 41A. PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN 2/
2009-13 DATA

NAME	MN1	NJ1	UT1	VA1	MEAN
PENNCROSS	76.7	70.0	43.3	50.0	60.0
PROCLAMATION (LTP-FEC)	61.7	53.3	53.3	58.3	56.7
FOCUS (SRP-1GMC)	65.0	70.0	46.7	31.7	53.3
DECLARATION	66.7	53.3	53.3	38.3	52.9
SR 7200	53.3	78.3	50.0	26.7	52.1
LUMINARY (A08-TDN2)	63.3	63.3	50.0	26.7	50.8
PENN A-1	71.7	46.7	46.7	36.7	50.4
ALPHA	61.7	56.7	43.3	32.3	48.5
T-1	66.7	63.3	46.7	17.3	48.5
SRP-1BLTR3	56.7	60.0	46.7	27.3	47.7
L-93	63.3	50.0	43.3	26.7	45.8
VILLA	53.3	63.3	46.7	20.0	45.8
AUTHORITY	56.7	60.0	40.0	23.3	45.0
BARRACUDA (MVS-AP-101)	51.7	50.0	46.7	27.7	44.0
PENN A-2	58.3	40.0	36.7	38.3	43.3
PURE DISTINCTION (PST-OJO)	56.7	60.0	30.0	19.3	41.5
V8	51.7	46.7	33.3	28.3	40.0
PIN-UP (HTM)	45.0	40.0	43.3	25.0	38.3
AFM	36.7	36.7	36.7	30.0	35.0
LSD VALUE	10.7	34.4	13.3	28.1	11.9
C.V. (%)	11.3	38.3	18.8	56.8	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.

Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP

TABLE 41B. PERCENT ESTABLISHMENT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN 2/
2009-13 DATA

NAME	MN1	NJ1	UT1	VA1	MEAN
PENNCROSS	76.7	70.0	43.3	50.0	60.0
PROCLAMATION (LTP-FEC)	61.7	53.3	53.3	58.3	56.7
FOCUS (SRP-1GMC)	65.0	70.0	46.7	31.7	53.3
DECLARATION	66.7	53.3	53.3	38.3	52.9
LUMINARY (A08-TDN2)	63.3	63.3	50.0	26.7	50.8
PENN A-1	71.7	46.7	46.7	36.7	50.4
ALPHA	61.7	56.7	43.3	32.3	48.5
T-1	66.7	63.3	46.7	17.3	48.5
SRP-1BLTR3	56.7	60.0	46.7	27.3	47.7
L-93	63.3	50.0	43.3	26.7	45.8
AUTHORITY	56.7	60.0	40.0	23.3	45.0
BARRACUDA (MVS-AP-101)	51.7	50.0	46.7	27.7	44.0
PENN A-2	58.3	40.0	36.7	38.3	43.3
PURE DISTINCTION (PST-OJO)	56.7	60.0	30.0	19.3	41.5
V8	51.7	46.7	33.3	28.3	40.0
PIN-UP (HTM)	45.0	40.0	43.3	25.0	38.3
AFM	36.7	36.7	36.7	30.0	35.0
LSD VALUE	10.9	33.9	12.7	29.2	11.9
C.V. (%)	11.4	39.0	18.2	57.4	31.5

TABLE 41C. PERCENT ESTABLISHMENT RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN 2/
2009-13 DATA

NAME	MN1	NJ1	UT1	VA1	MEAN
SR 7200	53.3	78.3	50.0	26.7	52.1
VILLA	53.3	63.3	46.7	20.0	45.8
LSD VALUE	9.3	38.4	17.4	15.4	11.5
C.V. (%)	10.8	33.7	22.3	41.0	29.1

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 42A. COPPER SPOT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

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

NAME	NJ1
L-93	7.2
ALPHA	7.0
PENNCROSS	6.5
T-1	6.5
FOCUS (SRP-1GMC)	6.3
LUMINARY (A08-TDN2)	5.8
V8	5.8
PIN-UP (HTM)	5.7
AFM	5.5
SR 7200	5.3
BARRACUDA (MVS-AP-101)	5.2
PENN A-2	5.0
PENN A-1	4.5
PROCLAMATION (LTP-FEC)	4.5
AUTHORITY	4.3
DECLARATION	4.0
SRP-1BLTR3	3.7
PURE DISTINCTION (PST-OJO)	3.7
VILLA	3.5
LSD VALUE	2.5
C.V. (%)	30.1

- 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 2012-13.

Taken from the 2008 Bentgrass (Green) test- Final data report with permission from NTEP
 TABLE 42B. COPPER SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN
 2009-13 DATA

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

NAME	NJ1
L-93	7.2
ALPHA	7.0
PENNCROSS	6.5
T-1	6.5
FOCUS (SRP-1GMC)	6.3
LUMINARY (A08-TDN2)	5.8
V8	5.8
PIN-UP (HTM)	5.7
AFM	5.5
BARRACUDA (MVS-AP-101)	5.2
PENN A-2	5.0
PENN A-1	4.5
PROCLAMATION (LTP-FEC)	4.5
AUTHORITY	4.3
DECLARATION	4.0
SRP-1BLTR3	3.7
PURE DISTINCTION (PST-OJO)	3.7
LSD VALUE	2.5
C.V. (%)	29.2

TABLE 42C. COPPER SPOT RATINGS OF VELVET BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN
 2009-13 DATA

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

NAME	NJ1
SR 7200	5.3
VILLA	3.5
LSD VALUE	2.8
C.V. (%)	39.7

- 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/ COPPER SPOT RATED IN 2012-13.

TABLE 43A. TURF UNIFORMITY RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

TURF UNIFORMITY RATINGS 1-9; 9=COMPLETELY UNIFORM 2/ 3/

NAME	RI1
DECLARATION	7.7
FOCUS (SRP-1GMC)	7.1
PIN-UP (HTM)	7.0
AUTHORITY	6.9
PROCLAMATION (LTP-FEC)	6.6
AFM	6.5
PURE DISTINCTION (PST-OJO)	6.3
V8	6.2
PENN A-1	6.2
L-93	5.9
SRP-1BLTR3	5.9
PENN A-2	5.8
VILLA	5.8
BARRACUDA (MVS-AP-101)	5.4
SR 7200	5.3
LUMINARY (A08-TDN2)	5.3
ALPHA	5.0
T-1	4.3
PENNCROSS	3.2
LSD VALUE	2.4
C.V. (%)	26.8

- 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/ TURF UNIFORMITY RATED IN 2011-13.

TABLE 43B. TURF UNIFORMITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

TURF UNIFORMITY RATINGS 1-9; 9=COMPLETELY UNIFORM 2/ 3/

NAME	RI1
DECLARATION	7.7
FOCUS (SRP-1GMC)	7.1
PIN-UP (HTM)	7.0
AUTHORITY	6.9
PROCLAMATION (LTP-FEC)	6.6
AFM	6.5
PURE DISTINCTION (PST-OJO)	6.3
V8	6.2
PENN A-1	6.2
L-93	5.9
SRP-1BLTR3	5.9
PENN A-2	5.8
BARRACUDA (MVS-AP-101)	5.4
LUMINARY (A08-TDN2)	5.3
ALPHA	5.0
T-1	4.3
PENNCROSS	3.2
LSD VALUE	2.4
C.V. (%)	26.7

TABLE 43C. TURF UNIFORMITY RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

TURF UNIFORMITY RATINGS 1-9; 9=COMPLETELY UNIFORM 2/ 3/

NAME	RI1
VILLA	5.8
SR 7200	5.3
LSD VALUE	2.2
C.V. (%)	25.9

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

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

3/ TURF UNIFORMITY RATED IN 2011-13.

GROWN ON A GREEN
 2009-13 DATA

SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	UT1
BARRACUDA (MVS-AP-101)	9.0
DECLARATION	9.0
SR 7200	9.0
VILLA	9.0
LUMINARY (A08-TDN2)	8.7
L-93	8.7
PENN A-2	8.7
PENNCROSS	8.7
PIN-UP (HTM)	8.7
T-1	8.7
AFM	8.3
SRP-1BLTR3	8.3
PROCLAMATION (LTP-FEC)	8.0
V8	8.0
ALPHA	7.7
PENN A-1	7.7
PURE DISTINCTION (PST-OJO)	7.3
FOCUS (SRP-1GMC)	7.3
AUTHORITY	7.0
LSD VALUE	1.0
C.V. (%)	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.
- 3/ SNOW MOLD RATED IN 2010 ONLY.

TABLE 44B. SNOW MOLD RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	UT1
BARRACUDA (MVS-AP-101)	9.0
DECLARATION	9.0
LUMINARY (A08-TDN2)	8.7
L-93	8.7
PENN A-2	8.7
PENNCROSS	8.7
PIN-UP (HTM)	8.7
T-1	8.7
AFM	8.3
SRP-1BLTR3	8.3
PROCLAMATION (LTP-FEC)	8.0
V8	8.0
ALPHA	7.7
PENN A-1	7.7
PURE DISTINCTION (PST-OJO)	7.3
FOCUS (SRP-1GMC)	7.3
AUTHORITY	7.0
LSD VALUE	1.1
C.V. (%)	8.3

TABLE 44C. SNOW MOLD RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

SNOW MOLD RATINGS 1-9; 9=NO DISEASE 2/ 3/

NAME	UT1
SR 7200	9
VILLA	9
LSD VALUE	0
C.V. (%)	0

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

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

3/ SNOW MOLD RATED IN 2010 ONLY.

TABLE 45A. PERCENT SNOW MOLD RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA 2/ 3/

NAME	UT1
PURE DISTINCTION (PST-OJO)	99.0
AUTHORITY	97.7
FOCUS (SRP-1GMC)	96.3
PENN A-1	96.3
SRP-1BLTR3	96.3
PENN A-2	96.0
V8	95.0
AFM	94.7
L-93	94.7
PIN-UP (HTM)	93.3
ALPHA	93.0
LUMINARY (A08-TDN2)	91.7
PENNCROSS	91.7
T-1	91.7
PROCLAMATION (LTP-FEC)	90.0
BARRACUDA (MVS-AP-101)	88.3
DECLARATION	88.3
VILLA	75.0
SR 7200	73.3
LSD VALUE	7.1
C.V. (%)	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/ PERCENT SNOW MOLD RATED IN 2011 ONLY.

TABLE 45B. PERCENT SNOW MOLD RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA 2/ 3/

NAME	UT1
PURE DISTINCTION (PST-OJO)	99.0
AUTHORITY	97.7
FOCUS (SRP-1GMC)	96.3
PENN A-1	96.3
SRP-1BLTR3	96.3
PENN A-2	96.0
V8	95.0
AFM	94.7
L-93	94.7
PIN-UP (HTM)	93.3
ALPHA	93.0
LUMINARY (A08-TDN2)	91.7
PENNCROSS	91.7
T-1	91.7
PROCLAMATION (LTP-FEC)	90.0
BARRACUDA (MVS-AP-101)	88.3
DECLARATION	88.3
LSD VALUE	6.4
C.V. (%)	4.2

TABLE 45C. PERCENT SNOW MOLD RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA 2/ 3/

NAME	UT1
VILLA	75.0
SR 7200	73.3
LSD VALUE	11.8
C.V. (%)	9.9

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ PERCENT SNOW MOLD RATED IN 2011 ONLY.

TABLE 46A. RECOVERY RATINGS FROM FALL AERIFICATION OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 2/ 3/

NAME	WA3
PURE DISTINCTION (PST-OJO)	8.7
PIN-UP (HTM)	7.7
BARRACUDA (MVS-AP-101)	7.3
FOCUS (SRP-1GMC)	7.3
LUMINARY (A08-TDN2)	7.0
AFM	7.0
PROCLAMATION (LTP-FEC)	7.0
V8	7.0
PENN A-1	6.7
PENNCROSS	6.7
ALPHA	6.3
L-93	6.3
T-1	6.3
DECLARATION	6.0
PENN A-2	6.0
SRP-1BLTR3	5.7
VILLA	5.7
AUTHORITY	5.3
SR 7200	4.3
LSD VALUE	1.4
C.V. (%)	13.3

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ RECOVERY RATINGS FROM FALL AERIFICATION RATED IN 2009 ONLY.

TABLE 46B. RECOVERY RATINGS FROM FALL AERIFICATION OF CREEPING BENTGRASS CULTIVARS 1/
 Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP
 GROWN ON A GREEN
 2009-13 DATA

RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 2/ 3/

NAME	WA3
PURE DISTINCTION (PST-OJO)	8.7
PIN-UP (HTM)	7.7
BARRACUDA (MVS-AP-101)	7.3
FOCUS (SRP-1GMC)	7.3
LUMINARY (A08-TDN2)	7.0
AFM	7.0
PROCLAMATION (LTP-FEC)	7.0
V8	7.0
PENN A-1	6.7
PENNCROSS	6.7
ALPHA	6.3
L-93	6.3
T-1	6.3
DECLARATION	6.0
PENN A-2	6.0
SRP-1BLTR3	5.7
AUTHORITY	5.3
LSD VALUE	1.4
C.V. (%)	13.3

TABLE 46C. RECOVERY RATINGS FROM FALL AERIFICATION OF VELVET BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN
 2009-13 DATA

RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 2/ 3/

NAME	WA3
VILLA	5.7
SR 7200	4.3
LSD VALUE	0.9
C.V. (%)	11.5

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ RECOVERY RATINGS FROM FALL AERIFICATION RATED IN 2009 ONLY.

TABLE 47A. NUMBERS OF DOLLAR SPOT INFECTION CENTERS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

NUMBERS OF DOLLAR SPOT INFECTION CENTERS PER PLOT 2/ 3/

NAME	IN1
PURE DISTINCTION (PST-OJO)	251.0
SRP-1BLTR3	76.0
T-1	35.3
PIN-UP (HTM)	31.5
AFM	31.3
V8	29.2
AUTHORITY	24.3
PENN A-1	21.7
ALPHA	19.3
L-93	17.2
PENN A-2	16.8
LUMINARY (A08-TDN2)	15.3
PENNCROSS	10.8
PROCLAMATION (LTP-FEC)	9.8
DECLARATION	8.7
BARRACUDA (MVS-AP-101)	7.0
FOCUS (SRP-1GMC)	6.8
SR 7200	0.0
VILLA	0.0
LSD VALUE	43.9
C.V. (%)	

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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/ NUMBERS OF DOLLAR SPOT INFECTION CENTERS RATED IN 2009-10.

TABLE 47B. NUMBERS OF DOLLAR SPOT INFECTION CENTERS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

NUMBERS OF DOLLAR SPOT INFECTION CENTERS PER PLOT 2/ 3/

NAME	IN1
PURE DISTINCTION (PST-OJO)	251.0
SRP-1BLTR3	76.0
T-1	35.3
PIN-UP (HTM)	31.5
AFM	31.3
V8	29.2
AUTHORITY	24.3
PENN A-1	21.7
ALPHA	19.3
L-93	17.2
PENN A-2	16.8
LUMINARY (A08-TDN2)	15.3
PENNCROSS	10.8
PROCLAMATION (LTP-FEC)	9.8
DECLARATION	8.7
BARRACUDA (MVS-AP-101)	7.0
FOCUS (SRP-1GMC)	6.8
LSD VALUE	46.4
C.V. (%)	63.8

TABLE 47C. NUMBERS OF DOLLAR SPOT INFECTION CENTERS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

NUMBERS OF DOLLAR SPOT INFECTION CENTERS PER PLOT 2/ 3/

NAME	IN1
SR 7200	0
VILLA	0
LSD VALUE	0
C.V. (%)	.

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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/ NUMBERS OF DOLLAR SPOT INFECTION CENTERS RATED IN 2009-10.

TABLE 48A. AERIFICATION RECOVERY RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/
2009-13 DATA

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

NAME	2010	APR_2011	NOV_2011	2013	MEAN
PENN A-2	7.3	7.7	8.0	8.0	7.7
PURE DISTINCTION (PST-OJO)	7.3	7.7	8.7	7.3	7.6
DECLARATION	7.0	7.0	8.0	7.7	7.4
FOCUS (SRP-1GMC)	7.3	6.0	9.0	7.0	7.3
PENNCROSS	7.7	6.3	7.7	7.3	7.3
BARRACUDA (MVS-AP-101)	7.3	6.0	7.7	7.0	7.1
SRP-1BLTR3	6.7	7.0	7.7	7.3	7.1
LUMINARY (A08-TDN2)	6.0	6.3	9.0	7.3	7.0
ALPHA	6.7	5.7	7.0	7.7	6.9
PIN-UP (HTM)	7.0	6.7	6.3	7.3	6.9
AUTHORITY	6.3	7.0	7.3	7.0	6.8
PROCLAMATION (LTP-FEC)	6.0	5.7	7.7	7.7	6.8
AFM	6.7	5.7	7.3	7.0	6.7
PENN A-1	6.3	6.0	7.3	7.0	6.7
SR 7200	4.0	6.3	7.0	7.3	6.6
T-1	5.0	6.3	8.0	7.7	6.6
L-93	6.3	6.0	8.0	6.0	6.4
V8	6.3	6.0	6.7	6.0	6.2
VILLA	5.5	4.7	6.0	6.7	5.9
LSD VALUE	2.9	2.9	2.8	4.3	1.6
C.V. (%)	17.3	17.6	15.0	17.0	16.3

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 48B. AERIFICATION RECOVERY RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/
2009-13 DATA

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

NAME	2010	APR_2011	NOV_2011	2013	MEAN
PENN A-2	7.3	7.7	8.0	8.0	7.7
PURE DISTINCTION (PST-OJO)	7.3	7.7	8.7	7.3	7.6
DECLARATION	7.0	7.0	8.0	7.7	7.4
FOCUS (SRP-1GMC)	7.3	6.0	9.0	7.0	7.3
PENNCROSS	7.7	6.3	7.7	7.3	7.3
BARRACUDA (MVS-AP-101)	7.3	6.0	7.7	7.0	7.1
SRP-1BLTR3	6.7	7.0	7.7	7.3	7.1
LUMINARY (A08-TDN2)	6.0	6.3	9.0	7.3	7.0
ALPHA	6.7	5.7	7.0	7.7	6.9
PIN-UP (HTM)	7.0	6.7	6.3	7.3	6.9
AUTHORITY	6.3	7.0	7.3	7.0	6.8
PROCLAMATION (LTP-FEC)	6.0	5.7	7.7	7.7	6.8
AFM	6.7	5.7	7.3	7.0	6.7
PENN A-1	6.3	6.0	7.3	7.0	6.7
T-1	5.0	6.3	8.0	7.7	6.6
L-93	6.3	6.0	8.0	6.0	6.4
V8	6.3	6.0	6.7	6.0	6.2
LSD VALUE	3.2	3.2	2.8	3.9	1.7
C.V. (%)	17.1	17.5	14.2	16.6	15.5

TABLE 48C. AERIFICATION RECOVERY RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/
2009-13 DATA

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

NAME	2010	APR_2011	NOV_2011	2013	MEAN
SR 7200	4.0	6.3	7.0	7.3	6.6
VILLA	5.5	4.7	6.0	6.7	5.9
LSD VALUE	3.2	3.2	2.8	3.9	1.7
C.V. (%)	.	19.6	10.9	21.0	23.4

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 49A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/
2009-2013 DATA

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

NAME	MAY_2011	JUN_2011	MAY_2013	JUL_2013	MEAN
DECLARATION	9.0	9.0	9.0	9.0	9.0
LUMINARY (A08-TDN2)	9.0	9.0	9.0	9.0	9.0
BARRACUDA (MVS-AP-101)	9.0	9.0	9.0	8.7	8.9
AFM	8.7	8.7	9.0	8.7	8.8
FOCUS (SRP-1GMC)	8.7	9.0	9.0	8.7	8.8
V8	9.0	9.0	8.7	8.7	8.8
PIN-UP (HTM)	9.0	8.7	9.0	8.0	8.7
PROCLAMATION (LTP-FEC)	9.0	8.7	9.0	8.0	8.7
SR 7200	8.7	8.7	9.0	8.3	8.7
L-93	9.0	8.7	9.0	7.7	8.6
VILLA	9.0	8.7	8.7	8.0	8.6
PENN A-1	9.0	8.3	8.3	8.3	8.5
ALPHA	8.7	7.3	8.7	7.3	8.0
AUTHORITY	8.7	7.7	8.0	7.7	8.0
PENNCROSS	9.0	8.3	7.7	6.7	7.9
T-1	8.7	7.7	7.7	7.7	7.9
PENN A-2	9.0	6.7	8.3	6.7	7.7
PURE DISTINCTION (PST-OJO)	7.0	5.7	6.7	5.0	6.1
SRP-1BLTR3	6.0	5.0	7.0	6.0	6.0
LSD VALUE	0.7	1.3	0.8	1.5	0.6
C.V. (%)	5.3	9.8	6.1	11.1	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 49B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/
2009-2013 DATA

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

NAME	MAY_2011	JUN_2011	MAY_2013	JUL_2013	MEAN
DECLARATION	9.0	9.0	9.0	9.0	9.0
LUMINARY (A08-TDN2)	9.0	9.0	9.0	9.0	9.0
BARRACUDA (MVS-AP-101)	9.0	9.0	9.0	8.7	8.9
AFM	8.7	8.7	9.0	8.7	8.8
FOCUS (SRP-1GMC)	8.7	9.0	9.0	8.7	8.8
V8	9.0	9.0	8.7	8.7	8.8
PIN-UP (HTM)	9.0	8.7	9.0	8.0	8.7
PROCLAMATION (LTP-FEC)	9.0	8.7	9.0	8.0	8.7
L-93	9.0	8.7	9.0	7.7	8.6
PENN A-1	9.0	8.3	8.3	8.3	8.5
ALPHA	8.7	7.3	8.7	7.3	8.0
AUTHORITY	8.7	7.7	8.0	7.7	8.0
PENNCROSS	9.0	8.3	7.7	6.7	7.9
T-1	8.7	7.7	7.7	7.7	7.9
PENN A-2	9.0	6.7	8.3	6.7	7.7
PURE DISTINCTION (PST-OJO)	7.0	5.7	6.7	5.0	6.1
SRP-1BLTR3	6.0	5.0	7.0	6.0	6.0
LSD VALUE	0.7	1.3	0.8	1.5	0.6
C.V. (%)	5.4	10.1	6.1	11.5	7.2

TABLE 49C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/
2009-2013 DATA

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

NAME	MAY_2011	JUN_2011	MAY_2013	JUL_2013	MEAN
SR 7200	8.7	8.7	9.0	8.3	8.7
VILLA	9.0	8.7	8.7	8.0	8.6
LSD VALUE	0.7	1.3	0.8	1.5	0.6
C.V. (%)	4.6	8.2	4.6	10.0	5.7

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

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

TABLE 50A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT LEXINGTON, KY 1/
2009-13 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/			
NAME	JUL	SEP	MEAN
DECLARATION	9.0	3.0	6.0
PENN A-1	7.7	4.0	5.8
PROCLAMATION (LTP-FEC)	8.0	3.7	5.8
PIN-UP (HTM)	7.0	4.3	5.7
AFM	7.3	3.7	5.5
FOCUS (SRP-1GMC)	8.0	3.0	5.5
L-93	7.0	4.0	5.5
V8	7.3	3.7	5.5
BARRACUDA (MVS-AP-101)	7.7	3.0	5.3
LUMINARY (A08-TDN2)	8.0	2.7	5.3
SR 7200	7.0	3.7	5.3
VILLA	6.3	4.0	5.2
AUTHORITY	6.7	3.3	5.0
PENNCROSS	6.0	3.7	4.8
T-1	4.7	5.0	4.8
PURE DISTINCTION (PST-OJO)	5.3	4.0	4.7
PENN A-2	4.3	4.7	4.5
SRP-1BLTR3	3.0	6.0	4.5
ALPHA	3.0	5.3	4.2
LSD VALUE	1.5	1.0	0.8
C.V. (%)	15.1	16.2	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/ DOLLAR SPOT RATED IN 2013 ONLY.

TABLE 50B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS
 Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP
 GROWN ON A GREEN AT LEXINGTON, KY 1/
 2009-13 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/			
NAME	JUL	SEP	MEAN
DECLARATION	9.0	3.0	6.0
PENN A-1	7.7	4.0	5.8
PROCLAMATION (LTP-FEC)	8.0	3.7	5.8
PIN-UP (HTM)	7.0	4.3	5.7
AFM	7.3	3.7	5.5
FOCUS (SRP-1GMC)	8.0	3.0	5.5
L-93	7.0	4.0	5.5
V8	7.3	3.7	5.5
BARRACUDA (MVS-AP-101)	7.7	3.0	5.3
LUMINARY (A08-TDN2)	8.0	2.7	5.3
AUTHORITY	6.7	3.3	5.0
PENNCROSS	6.0	3.7	4.8
T-1	4.7	5.0	4.8
PURE DISTINCTION (PST-OJ0)	5.3	4.0	4.7
PENN A-2	4.3	4.7	4.5
SRP-1BLTR3	3.0	6.0	4.5
ALPHA	3.0	5.3	4.2
LSD VALUE	1.4	1.1	0.7
C.V. (%)	13.6	16.9	7.7

TABLE 50C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS
 GROWN ON A GREEN AT LEXINGTON, KY 1/
 2009-13 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/ 3/			
NAME	JUL	SEP	MEAN
SR 7200	7.0	3.7	5.3
VILLA	6.3	4.0	5.2
LSD VALUE	1.4	1.1	0.7
C.V. (%)	26.7	10.6	14.0

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ DOLLAR SPOT RATED IN 2013 ONLY.

TABLE 51A. ANTHRACNOSE RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT NORTH BRUNSWICK, NJ 1/
2009-13 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/ 3/			
NAME	APRIL	SEPTEMBER	MEAN
LUMINARY (A08-TDN2)	8.0	8.7	8.3
PURE DISTINCTION (PST-OJO)	8.0	6.3	7.2
VILLA	7.7	5.7	6.7
V8	7.3	5.7	6.5
BARRACUDA (MVS-AP-101)	5.7	6.0	5.8
PROCLAMATION (LTP-FEC)	6.0	5.7	5.8
FOCUS (SRP-1GMC)	6.3	5.0	5.7
PIN-UP (HTM)	5.3	5.7	5.5
AUTHORITY	5.0	5.3	5.2
DECLARATION	5.0	4.3	4.7
AFM	5.0	4.0	4.5
SRP-1BLTR3	3.3	5.7	4.5
SR 7200	5.7	2.7	4.2
ALPHA	4.0	3.7	3.8
T-1	4.7	3.0	3.8
PENN A-1	3.0	4.3	3.7
PENN A-2	3.0	3.7	3.3
L-93	2.7	2.7	2.7
PENNCROSS	2.3	1.7	2.0
LSD VALUE	1.2	2.2	1.2
C.V. (%)	15.6	27.3	15.6

- 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 2010 ONLY.

TABLE 51B. ANTHRACNOSE RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT NORTH BRUNSWICK, NJ 1/
2009-13 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/ 3/			
NAME	APRIL	SEPTEMBER	MEAN
LUMINARY (A08-TDN2)	8.0	8.7	8.3
PURE DISTINCTION (PST-OJO)	8.0	6.3	7.2
V8	7.3	5.7	6.5
BARRACUDA (MVS-AP-101)	5.7	6.0	5.8
PROCLAMATION (LTP-FEC)	6.0	5.7	5.8
FOCUS (SRP-1GMC)	6.3	5.0	5.7
PIN-UP (HTM)	5.3	5.7	5.5
AUTHORITY	5.0	5.3	5.2
DECLARATION	5.0	4.3	4.7
AFM	5.0	4.0	4.5
SRP-1BLTR3	3.3	5.7	4.5
ALPHA	4.0	3.7	3.8
T-1	4.7	3.0	3.8
PENN A-1	3.0	4.3	3.7
PENN A-2	3.0	3.7	3.3
L-93	2.7	2.7	2.7
PENNCROSS	2.3	1.7	2.0
LSD VALUE	1.2	2.1	1.1
C.V. (%)	15.2	26.6	15.0

TABLE 51C. ANTHRACNOSE RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT NORTH BRUNSWICK, NJ 1/
2009-13 DATA

ANTHRACNOSE RATINGS 1-9; 9=NO DISEASE 2/ 3/			
NAME	APRIL	SEPTEMBER	MEAN
VILLA	7.7	5.7	6.7
SR 7200	5.7	2.7	4.2
LSD VALUE	1.2	2.1	1.1
C.V. (%)	0.0	44.9	17.3

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

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

3/ ANTHRACNOSE RATED IN 2010 ONLY.

TABLE 52A.

DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT KINGSTON, RI 1/
2009-13 DATA

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

NAME	SUMMER 2010	FALL 2010	JULY 2011	AUGUST 2011	OCTOBER 2011	JUNE 2012	JULY 2012	AUGUST 2013	SEPTEMBER 2013	OCTOBER 2013	MEAN
DECLARATION	9.0	6.7	8.0	8.3	7.7	7.7	9.0	8.7	7.7	7.0	8.0
VILLA	8.3	5.0	8.7	8.3	8.7	5.0	9.0	7.0	7.3	6.7	7.5
FOCUS (SRP-1GMC)	8.3	4.3	6.7	6.3	8.3	4.3	7.3	7.7	5.0	5.0	6.3
SR 7200	5.0	6.0	9.0	8.3	8.0	3.7	9.0	5.0	4.0	4.0	6.2
BARRACUDA (MVS-AP-101)	6.3	4.0	7.0	7.0	7.5	5.5	3.5	7.5	6.0	5.5	6.1
V8	7.0	5.3	7.0	8.0	7.7	3.7	7.0	7.3	5.0	4.0	6.1
PROCLAMATION (LTP-FEC)	7.7	4.7	5.0	5.0	4.7	5.3	6.0	7.7	5.0	3.7	5.5
LUMINARY (A08-TDN2)	6.3	4.0	4.0	2.0	6.0	5.0	7.0	7.3	5.0	4.7	5.4
AFM	6.3	5.0	3.7	4.3	5.7	5.0	6.7	7.3	4.7	3.0	5.3
AUTHORITY	7.3	3.7	5.0	5.7	5.7	5.0	6.3	7.0	3.7	2.3	5.2
T-1	4.0	3.5	3.7	4.7	3.0	6.3	6.7	6.3	4.0	3.3	4.6
L-93	5.0	4.0	5.0	6.7	4.7	2.7	5.3	6.3	3.0	3.0	4.5
PENN A-1	6.0	2.3	5.3	5.3	6.0	2.0	5.3	6.0	4.0	2.7	4.4
PENNCROSS	9.0	5.0	5.0	7.3	1.0	1.0	2.3	5.3	3.7	2.3	4.4
PIN-UP (HTM)	4.3	2.7	3.0	5.0	7.7	4.0	5.3	6.7	4.0	2.3	4.4
PURE DISTINCTION (PST-OJO)	6.3	1.3	1.7	4.7	7.3	2.0	5.0	5.3	3.3	1.0	3.8
ALPHA	2.7	2.5	3.7	4.0	3.7	3.7	5.3	3.7	3.0	3.7	3.6
PENN A-2	4.0	1.7	3.0	5.0	5.3	2.7	4.0	5.3	2.7	3.7	3.6
SRP-1BLTR3	2.7	1.0	1.7	1.3	5.0	2.7	3.3	1.3	1.0	1.0	2.2
LSO VALUE	1.2	1.7	2.8	2.0	2.9	4.3	1.7	2.0	1.7	2.0	0.9
C.V. (%)	12.8	24.5	32.8	21.4	27.8	49.0	18.1	19.1	24.3	32.8	25.2

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 52B. Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP
DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT KINGSTON, RI 1/
2009-13 DATA

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

NAME	SUMMER 2010	FALL 2010	JULY 2011	AUGUST 2011	OCTOBER 2011	JUNE 2012	JULY 2012	AUGUST 2013	SEPTEMBER 2013	OCTOBER 2013	MEAN
DECLARATION	9.0	6.7	8.0	8.3	7.7	7.7	9.0	8.7	7.7	7.0	8.0
FOCUS (SRP-1GMC)	8.3	4.3	6.7	6.3	8.3	4.3	7.3	7.7	5.0	5.0	6.3
BARRACUDA (MVS-AP-101)	6.3	4.0	7.0	7.0	7.5	5.5	3.5	7.5	6.0	5.5	6.1
V8	7.0	5.3	7.0	8.0	7.7	3.7	7.0	7.3	5.0	4.0	6.1
PROCLAMATION (LTP-FEC)	7.7	4.7	5.0	5.0	4.7	5.3	6.0	7.7	5.0	3.7	5.5
LUMINARY (A08-TDN2)	6.3	4.0	4.0	2.0	6.0	5.0	7.0	7.3	5.0	4.7	5.4
AFM	6.3	5.0	3.7	4.3	5.7	5.0	6.7	7.3	4.7	3.0	5.3
AUTHORITY	7.3	3.7	5.0	5.7	5.7	5.0	6.3	7.0	3.7	2.3	5.2
T-1	4.0	3.5	3.7	4.7	3.0	6.3	6.7	6.3	4.0	3.3	4.6
L-93	5.0	4.0	5.0	6.7	4.7	2.7	5.3	6.3	3.0	3.0	4.5
PENN A-1	6.0	2.3	5.3	5.3	6.0	2.0	5.3	6.0	4.0	2.7	4.4
PENNCROSS	9.0	5.0	5.0	7.3	1.0	1.0	2.3	5.3	3.7	2.3	4.4
PIN-UP (HTM)	4.3	2.7	3.0	5.0	7.7	4.0	5.3	6.7	4.0	2.3	4.4
PURE DISTINCTION (PST-OJO)	6.3	1.3	1.7	4.7	7.3	2.0	5.0	5.3	3.3	1.0	3.8
ALPHA	2.7	2.5	3.7	4.0	3.7	3.7	5.3	3.7	3.0	3.7	3.6
PENN A-2	4.0	1.7	3.0	5.0	5.3	2.7	4.0	5.3	2.7	3.7	3.6
SRP-1BLTR3	2.7	1.0	1.7	1.3	5.0	2.7	3.3	1.3	1.0	1.0	2.2
LSD VALUE	1.1	1.7	3.2	2.1	3.0	4.2	1.9	1.9	1.7	2.0	0.9
C.V. (%)	12.6	25.4	38.1	22.8	29.6	50.0	20.2	18.5	24.5	34.2	25.8

TABLE 52C.

DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT KINGSTON, RI 1/
2009-13 DATA

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

NAME	SUMMER 2010	FALL 2010	JULY 2011	AUGUST 2011	OCTOBER 2011	JUNE 2012	JULY 2012	AUGUST 2013	SEPTEMBER 2013	OCTOBER 2013	MEAN
VILLA	8.3	5.0	8.7	8.3	8.7	5.0	9.0	7.0	7.3	6.7	7.5
SR 7200	5.0	6.0	9.0	8.3	8.0	3.7	9.0	5.0	4.0	4.0	6.2
LSD VALUE	1.1	1.7	3.2	2.1	3.0	4.2	1.9	1.9	1.7	2.0	0.9
C.V. (%)	16.2	22.3	4.6	8.5	4.9	0.0	0.0	23.6	28.8	33.4	21.8

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

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

TABLE 53A. PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN AT KINGSTON, RI 2/
2009-13 DATA

NAME	SUMMER	FALL	MEAN
BARRACUDA (MVS-AP-101)	99.0	99.0	99.0
FOCUS (SRP-1GMC)	99.0	99.0	99.0
LUMINARY (A08-TDN2)	96.0	99.0	97.5
DECLARATION	96.0	99.0	97.5
V8	91.3	99.0	95.2
AFM	86.0	99.0	92.5
PROCLAMATION (LTP-FEC)	86.0	99.0	92.5
T-1	85.0	99.0	92.0
ALPHA	84.7	99.0	91.8
SRP-1BLTR3	80.0	97.7	88.8
PIN-UP (HTM)	81.3	96.0	88.7
PURE DISTINCTION (PST-OJO)	80.0	92.7	86.3
AUTHORITY	74.7	94.7	84.7
PENNCROSS	71.7	95.7	83.7
PENN A-1	78.0	82.7	80.3
PENN A-2	56.3	98.3	77.3
VILLA	61.7	89.7	75.7
L-93	46.7	91.3	69.0
SR 7200	38.3	94.3	66.3
LSD VALUE	48.1	22.0	31.0
C.V. (%)	27.5	7.8	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 53B. PERCENT ESTABLISHMENT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN AT KINGSTON, RI 2/
2009-13 DATA

NAME	SUMMER	FALL	MEAN
BARRACUDA (MVS-AP-101)	99.0	99.0	99.0
FOCUS (SRP-1GMC)	99.0	99.0	99.0
LUMINARY (A08-TDN2)	96.0	99.0	97.5
DECLARATION	96.0	99.0	97.5
V8	91.3	99.0	95.2
AFM	86.0	99.0	92.5
PROCLAMATION (LTP-FEC)	86.0	99.0	92.5
T-1	85.0	99.0	92.0
ALPHA	84.7	99.0	91.8
SRP-1BLTR3	80.0	97.7	88.8
PIN-UP (HTM)	81.3	96.0	88.7
PURE DISTINCTION (PST-OJO)	80.0	92.7	86.3
AUTHORITY	74.7	94.7	84.7
PENNCROSS	71.7	95.7	83.7
PENN A-1	78.0	82.7	80.3
PENN A-2	56.3	98.3	77.3
L-93	46.7	91.3	69.0
LSD VALUE	46.0	21.0	29.8
C.V. (%)	23.6	7.7	13.4

TABLE 53C. PERCENT ESTABLISHMENT RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN AT KINGSTON, RI 2/
2009-13 DATA

NAME	SUMMER	FALL	MEAN
VILLA	61.7	89.7	75.7
SR 7200	38.3	94.3	66.3
LSD VALUE	46.0	21.0	29.8
C.V. (%)	70.8	9.7	29.8

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 54A. BACTERIAL WILT DAMAGE RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

BACTERIAL WILT DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/ 3/

NAME	RI1
PENN A-2	6.7
PURE DISTINCTION (PST-OJO)	6.3
SRP-1BLTR3	6.3
PIN-UP (HTM)	6.0
DECLARATION	5.7
AUTHORITY	5.3
L-93	5.3
PENN A-1	5.0
FOCUS (SRP-1GMC)	5.0
AFM	4.7
SR 7200	4.7
PROCLAMATION (LTP-FEC)	4.3
VILLA	4.3
V8	3.7
PENNCROSS	3.3
T-1	3.3
ALPHA	2.7
BARRACUDA (MVS-AP-101)	2.7
LUMINARY (A08-TDN2)	2.3
LSD VALUE	3.1
C.V. (%)	42.3

- 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/ BACTERIAL WILT DAMAGE RATED IN 2010 ONLY.

TABLE 54B. BACTERIAL WILT DAMAGE RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

BACTERIAL WILT DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/ 3/

NAME	RI1
PENN A-2	6.7
PURE DISTINCTION (PST-OJO)	6.3
SRP-1BLTR3	6.3
PIN-UP (HTM)	6.0
DECLARATION	5.7
AUTHORITY	5.3
L-93	5.3
PENN A-1	5.0
FOCUS (SRP-1GMC)	5.0
AFM	4.7
PROCLAMATION (LTP-FEC)	4.3
V8	3.7
PENNCROSS	3.3
T-1	3.3
ALPHA	2.7
BARRACUDA (MVS-AP-101)	2.7
LUMINARY (A08-TDN2)	2.3
LSD VALUE	3.1
C.V. (%)	41.5

TABLE 54C. BACTERIAL WILT DAMAGE RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2009-13 DATA

BACTERIAL WILT DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/ 3/

NAME	RI1
SR 7200	4.7
VILLA	4.3
LSD VALUE	3.5
C.V. (%)	48.9

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/ BACTERIAL WILT DAMAGE RATED IN 2010 ONLY.

TABLE 55A.

DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT BLACKSBURG, VA 1/
2009-13 DATA

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

NAME	2009	JUN_2010	JUL_2010	OCT_2010	MAY_2011	JUL_2011	2012	JUN_2013	SEP_2013	MEAN
DECLARATION	9.0	8.3	8.0	8.0	8.7	9.0	8.7	8.3	8.3	8.6
SR 7200	9.0	9.0	8.0	7.7	9.0	8.0	9.0	8.3	8.7	8.6
VILLA	8.7	8.0	8.0	8.0	9.0	8.7	9.0	8.7	8.7	8.6
PROCLAMATION (LTP-FEC)	8.0	7.7	7.3	7.3	8.0	8.0	9.0	8.3	8.3	8.2
FOCUS (SRP-1GMC)	8.0	8.0	8.0	7.7	7.7	7.7	7.7	8.7	7.7	7.9
AFM	8.0	7.7	7.3	7.3	7.3	8.0	8.0	7.7	7.3	7.7
BARRACUDA (MVS-AP-101)	8.0	7.7	7.0	7.0	7.3	7.7	8.0	7.7	8.0	7.7
L-93	8.0	8.0	7.3	6.7	6.7	7.0	8.0	8.0	8.0	7.6
V8	8.0	7.3	6.3	6.0	7.0	7.7	8.0	8.3	8.3	7.6
PENN A-1	8.0	7.0	6.3	6.0	7.0	7.0	7.7	8.0	8.3	7.5
PENNCROSS	8.0	7.0	7.3	6.3	7.3	7.0	7.7	7.7	8.3	7.5
PIN-UP (HTM)	7.7	7.3	7.0	7.0	7.7	7.0	7.7	7.0	7.7	7.4
LUMINARY (A08-TDN2)	7.0	6.7	5.7	5.3	7.3	8.0	8.0	8.3	8.0	7.3
PENN A-2	7.7	6.7	5.3	5.7	7.0	7.0	7.7	7.3	7.0	7.1
ALPHA	7.0	6.3	6.0	6.3	6.7	6.7	7.7	7.3	7.0	6.9
AUTHORITY	7.0	6.3	5.7	5.0	6.7	6.7	7.0	7.3	8.0	6.8
SRP-1BLTR3	7.3	6.7	6.0	6.0	5.0	6.3	6.3	6.7	6.0	6.4
T-1	7.0	7.0	6.0	5.0	5.0	5.0	6.3	7.0	7.0	6.3
PURE DISTINCTION (PST-OJO)	6.3	5.3	3.7	3.3	5.0	5.7	5.3	5.0	4.3	5.2
LSD VALUE	1.6	1.4	1.8	1.7	0.9	1.2	0.8	1.0	1.3	0.5
C.V. (%)	10.1	10.8	15.2	15.4	8.2	9.8	6.8	8.1	10.5	10.6

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

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

TABLE 55B.

DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT BLACKSBURG, VA 1/
2009-13 DATA

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

NAME	2009	JUN_2010	JUL_2010	OCT_2010	MAY_2011	JUL_2011	2012	JUN_2013	SEP_2013	MEAN
DECLARATION	9.0	8.3	8.0	8.0	8.7	9.0	8.7	8.3	8.3	8.6
PROCLAMATION (LTP-FEC)	8.0	7.7	7.3	7.3	8.0	8.0	9.0	8.3	8.3	8.2
FOCUS (SRP-1GMC)	8.0	8.0	8.0	7.7	7.7	7.7	7.7	8.7	7.7	7.9
AFM	8.0	7.7	7.3	7.3	7.3	8.0	8.0	7.7	7.3	7.7
BARRACUDA (MVS-AP-101)	8.0	7.7	7.0	7.0	7.3	7.7	8.0	7.7	8.0	7.7
L-93	8.0	8.0	7.3	6.7	6.7	7.0	8.0	8.0	8.0	7.6
V8	8.0	7.3	6.3	6.0	7.0	7.7	8.0	8.3	8.3	7.6
PENN A-1	8.0	7.0	6.3	6.0	7.0	7.0	7.7	8.0	8.3	7.5
PENNCROSS	8.0	7.0	7.3	6.3	7.3	7.0	7.7	7.7	8.3	7.5
PIN-UP (HTM)	7.7	7.3	7.0	7.0	7.7	7.0	7.7	7.0	7.7	7.4
LUMINARY (A08-TDN2)	7.0	6.7	5.7	5.3	7.3	8.0	8.0	8.3	8.0	7.3
PENN A-2	7.7	6.7	5.3	5.7	7.0	7.0	7.7	7.3	7.0	7.1
ALPHA	7.0	6.3	6.0	6.3	6.7	6.7	7.7	7.3	7.0	6.9
AUTHORITY	7.0	6.3	5.7	5.0	6.7	6.7	7.0	7.3	8.0	6.8
SRP-1BLTR3	7.3	6.7	6.0	6.0	5.0	6.3	6.3	6.7	6.0	6.4
T-1	7.0	7.0	6.0	5.0	5.0	5.0	6.3	7.0	7.0	6.3
PURE DISTINCTION (PST-OJO)	6.3	5.3	3.7	3.3	5.0	5.7	5.3	5.0	4.3	5.2
LSD VALUE	1.9	1.4	1.7	1.8	1.0	1.2	0.9	1.0	1.4	0.5
C.V. (%)	10.8	10.3	15.0	16.6	9.0	10.2	7.2	8.1	10.8	11.1

TABLE 55C.

DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT BLACKSBURG, VA 1/
2009-13 DATA

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

NAME	2009	JUN_2010	JUL_2010	OCT_2010	MAY_2011	JUL_2011	2012	JUN_2013	SEP_2013	MEAN
SR 7200	9.0	9.0	8.0	7.7	9	8.0	9.0	8.3	8.7	8.6
VILLA	8.7	8.0	8.0	8.0	9	8.7	9.0	8.7	8.7	8.6
LSD VALUE	1.9	1.4	1.7	1.8	1	1.2	0.9	1.0	1.4	0.5
C.V. (%)	4.6	14.4	15.3	5.2	0	4.9	0.0	4.8	8.2	5.6

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

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

TABLE 56A. POA ANNUA RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT PUYALLUP, WA 1/
2009-13 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/

NAME	FEBRUARY	JUNE	MEAN
LUMINARY (A08-TDN2)	7.7	8.0	7.8
PIN-UP (HTM)	7.7	8.0	7.8
PURE DISTINCTION (PST-OJO)	7.7	8.0	7.8
VILLA	7.7	8.0	7.8
V8	7.7	7.7	7.7
FOCUS (SRP-1GMC)	7.3	7.7	7.5
AUTHORITY	7.0	7.7	7.3
BARRACUDA (MVS-AP-101)	7.0	7.7	7.3
DECLARATION	7.3	7.0	7.2
PENN A-1	7.0	7.3	7.2
PROCLAMATION (LTP-FEC)	6.7	7.7	7.2
SR 7200	6.7	7.7	7.2
SRP-1BLTR3	7.0	7.3	7.2
PENN A-2	7.3	6.7	7.0
T-1	7.0	7.0	7.0
ALPHA	7.0	6.7	6.8
AFM	6.7	6.7	6.7
PENNCROSS	7.0	6.0	6.5
L-93	6.0	5.7	5.8
LSD VALUE	1.3	1.1	0.9
C.V. (%)	8.0	8.4	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.
- 3/ POA ANNUA RATED IN 2012 ONLY.

Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP
 TABLE 56B. POA ANNUA RATINGS OF CREEPING BENTGRASS CULTIVARS
 GROWN ON A GREEN AT PUYALLUP, WA 1/
 2009-13 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/

NAME	FEBRUARY	JUNE	MEAN
LUMINARY (A08-TDN2)	7.7	8.0	7.8
PIN-UP (HTM)	7.7	8.0	7.8
PURE DISTINCTION (PST-OJO)	7.7	8.0	7.8
V8	7.7	7.7	7.7
FOCUS (SRP-1GMC)	7.3	7.7	7.5
AUTHORITY	7.0	7.7	7.3
BARRACUDA (MVS-AP-101)	7.0	7.7	7.3
DECLARATION	7.3	7.0	7.2
PENN A-1	7.0	7.3	7.2
PROCLAMATION (LTP-FEC)	6.7	7.7	7.2
SRP-1BLTR3	7.0	7.3	7.2
PENN A-2	7.3	6.7	7.0
T-1	7.0	7.0	7.0
ALPHA	7.0	6.7	6.8
AFM	6.7	6.7	6.7
PENNCROSS	7.0	6.0	6.5
L-93	6.0	5.7	5.8
LSD VALUE	1.4	1.1	1.0
C.V. (%)	8.5	8.8	7.2

TABLE 56C. POA ANNUA RATINGS OF VELVET BENTGRASS CULTIVARS
 GROWN ON A GREEN AT PUYALLUP, WA 1/
 2009-13 DATA

POA ANNUA RATINGS 1-9; 9=NONE 2/ 3/

NAME	FEBRUARY	JUNE	MEAN
VILLA	7.7	8.0	7.8
SR 7200	6.7	7.7	7.2
LSD VALUE	1.4	1.1	1.0
C.V. (%)	0.0	5.2	2.7

- 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/ POA ANNUA RATED IN 2012 ONLY.

TABLE 57A.

MICRODOCHIUM PATCH RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT PUYALLUP, WA 1/
2012-13 DATA

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

NAME	APR_2012	NOV_2012	DEC_2012	JAN_2013	FEB_2013	MAR_2013	MEAN
SR 7200	8.3	7.7	7.3	7.3	6.7	6.0	7.2
VILLA	8.7	8.0	7.0	6.3	5.0	5.0	6.7
PROCLAMATION (LTP-FEC)	8.7	6.7	5.7	6.0	5.7	6.3	6.5
PENN A-1	9.0	7.0	5.7	5.7	5.3	5.7	6.4
PIN-UP (HTM)	8.3	6.3	6.3	6.0	5.3	5.3	6.3
V8	7.0	7.7	7.0	6.3	5.0	4.7	6.3
LUMINARY (A08-TDN2)	8.3	6.7	5.3	5.3	6.0	5.3	6.2
PENN A-2	9.0	6.7	6.3	5.3	5.0	4.7	6.2
AUTHORITY	7.3	6.7	6.3	5.7	5.3	4.7	6.0
BARRACUDA (MVS-AP-101)	7.3	6.7	6.3	5.3	5.0	5.3	6.0
FOCUS (SRP-1GMC)	8.0	6.3	6.0	5.3	5.3	5.0	6.0
PURE DISTINCTION (PST-OJO)	7.7	5.0	6.0	6.0	5.7	5.0	5.9
T-1	8.7	5.7	6.0	6.0	5.0	4.3	5.9
ALPHA	8.3	5.3	5.7	5.7	5.3	4.7	5.8
DECLARATION	8.3	6.0	5.7	5.3	5.0	4.7	5.8
AFM	8.3	6.3	5.7	5.3	4.3	4.0	5.7
PENNCROSS	8.3	5.0	5.3	5.0	4.7	5.0	5.6
SRP-1BLTR3	7.7	5.3	5.3	5.0	5.0	4.3	5.4
L-93	7.7	5.7	5.7	4.0	4.0	4.3	5.2
LSD VALUE	3.2	1.0	1.8	2.1	2.5	2.6	2.4
C.V. (%)	12.8	9.3	13.0	16.0	17.6	19.1	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.

Taken from the 2008 Bentgrass (Green) test - Final data report with permission from NTEP
 TABLE 57B. MICRODOCHIUM PATCH RATINGS OF CREEPING BENTGRASS CULTIVARS
 GROWN ON A GREEN AT PUYALLUP, WA 1/
 2012-13 DATA

MICRODOCHIUM PATCH RATINGS 1-9; 9=NO DISEASE 2/							
NAME	APR_2012	NOV_2012	DEC_2012	JAN_2013	FEB_2013	MAR_2013	MEAN
PROCLAMATION (LTP-FEC)	8.7	6.7	5.7	6.0	5.7	6.3	6.5
PENN A-1	9.0	7.0	5.7	5.7	5.3	5.7	6.4
PIN-UP (HTM)	8.3	6.3	6.3	6.0	5.3	5.3	6.3
V8	7.0	7.7	7.0	6.3	5.0	4.7	6.3
LUMINARY (A08-TDN2)	8.3	6.7	5.3	5.3	6.0	5.3	6.2
PENN A-2	9.0	6.7	6.3	5.3	5.0	4.7	6.2
AUTHORITY	7.3	6.7	6.3	5.7	5.3	4.7	6.0
BARRACUDA (MVS-AP-101)	7.3	6.7	6.3	5.3	5.0	5.3	6.0
FOCUS (SRP-1GMC)	8.0	6.3	6.0	5.3	5.3	5.0	6.0
PURE DISTINCTION (PST-OJO)	7.7	5.0	6.0	6.0	5.7	5.0	5.9
T-1	8.7	5.7	6.0	6.0	5.0	4.3	5.9
ALPHA	8.3	5.3	5.7	5.7	5.3	4.7	5.8
DECLARATION	8.3	6.0	5.7	5.3	5.0	4.7	5.8
AFM	8.3	6.3	5.7	5.3	4.3	4.0	5.7
PENNCROSS	8.3	5.0	5.3	5.0	4.7	5.0	5.6
SRP-1BLTR3	7.7	5.3	5.3	5.0	5.0	4.3	5.4
L-93	7.7	5.7	5.7	4.0	4.0	4.3	5.2
LSD VALUE	3.2	1.1	2.0	2.5	3.0	2.9	2.8
C.V. (%)	13.3	10.0	12.6	16.3	18.7	20.5	18.5

TABLE 57C. MICRODOCHIUM PATCH RATINGS OF VELVET BENTGRASS CULTIVARS
 GROWN ON A GREEN AT PUYALLUP, WA 1/
 2012-13 DATA

MICRODOCHIUM PATCH RATINGS 1-9; 9=NO DISEASE 2/							
NAME	APR_2012	NOV_2012	DEC_2012	JAN_2013	FEB_2013	MAR_2013	MEAN
SR 7200	8.3	7.7	7.3	7.3	6.7	6.0	7.2
VILLA	8.7	8.0	7.0	6.3	5.0	5.0	6.7
LSD VALUE	3.2	1.1	2.0	2.5	3.0	2.9	2.8
C.V. (%)	4.8	5.2	15.1	17.9	7.0	0.0	17.6

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.