

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 2013

<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
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	Pickseed
15	SRP-1BLTR3	creeping	Seed Research of Oregon
* 16	Pure Distinction (PST-OJO)	creeping	Tee - 2 Green Corp.
* 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.

2013 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2008 NATIONAL BENTGRASS (GREEN) TEST

LOCATIONION	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	-	-	-	-	FULL SUN	0.0-0.5	TO PREVENT STRESS
IN1	SAND	7.6-8.5	0-60	151-240	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
KY1	SAND	-	-	-	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MA1	SAND	5.6-6.0	0-60	241-375	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MN1	SAND	7.1-7.5	0-60	151-240	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NJ1	SAND	-	-	-	1.1-2.0	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	-	-	-	-	-	-	-	-
VA1	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
WA3	SAND	0.0-3.5	0-60	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2013

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

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2013

LOCATION	WEAR TOLERANCE	SUMMER DENSITY	FALL DENSITY	WINTER COLOR	THATCH MEASUREMENT	DOLLAR SPOT	BROWN PATCH WARM TEMP.	ANTHRACNOSE RATINGS	SOD WEB WORM	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER
AR1 IL4 IN1								X			X	
KY1 MA1 MN1	X			X	X							
NJ1 PA1 RI1			X			X	X		X			
UT1 VA1 WA3		X								X		X

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2013

LOCATION	AERIFICATION RECOVERY	CUTWORM & BURROW COUNTS	COPPER SPOT	TURF UNIFORMITY	DOLLAR SPOT RATINGS					MICRODOCHIUM RATINGS				
					MAY	JUN	JUL	AUG	SEP	OCT	JAN	FEB	MAR	
AR1 IL4 IN1	X				X		X							
KY1 MA1 MN1		X					X		X					
NJ1 PA1 RI1			X						X	X	X			
UT1 VA1 WA3				X		X			X			X	X	X

TABLE 1A. 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

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

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/								MEAN
	PA1	NJ1	RI1	VA1	IN1	AR1	UT1	WA3	
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 1C. MEAN TURFGRASS QUALITY RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON 1/
A GREEN GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
2013 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/								MEAN
	PA1	NJ1	RI1	VA1	IN1	AR1	UT1	WA3	
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 2A. 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 2B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING 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
LSD VALUE	0.9	0.9	0.9
C.V. (%)	9.3	9.0	9.1

TABLE 2C. 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.

TABLE 3A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2013 DATA

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

NAME	SPRING GREENUP	WEAR TOLERANCE	THATCH MEASUREMENT (MM)	CUT WORM & BURROW COUNT/PLOT	QUALITY RATINGS								MEAN
					APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
VILLA	8.3	6.3	27.0	62.3	7.0	5.7	6.7	6.3	7.0	8.0	6.7	6.0	6.7
PURE DISTINCTION (PST-OJO)	6.3	6.0	26.0	8.7	5.3	5.7	5.7	7.0	7.0	7.7	6.3	6.3	6.4
V8	6.0	5.7	26.7	16.7	6.0	6.0	5.7	6.7	6.3	7.7	6.3	6.3	6.4
FOCUS (SRP-1GMC)	6.7	5.3	25.0	4.3	5.7	6.7	6.0	6.0	6.0	7.0	6.3	6.0	6.2
BARRACUDA (MVS-AP-101)	6.7	4.3	24.0	5.3	6.0	5.3	5.7	6.3	6.3	6.7	6.0	6.3	6.1
PIN-UP (HTM)	5.7	6.3	26.3	9.7	6.0	6.3	5.3	6.0	6.3	6.0	6.0	6.7	6.1
PROCLAMATION (LTP-FEC)	6.0	5.7	24.3	22.0	5.7	6.0	5.3	6.3	6.3	6.7	6.0	5.3	6.0
LUMINARY (A08-TDN2)	7.0	6.3	26.3	7.7	6.0	5.3	5.0	6.0	5.7	7.0	5.7	6.3	5.9
DECLARATION	6.7	5.3	24.7	9.0	6.0	5.0	5.0	6.3	5.3	6.7	6.0	6.0	5.8
AFM	6.3	5.3	22.7	11.0	5.3	5.3	5.3	6.0	6.0	6.7	5.3	5.3	5.7
AUTHORITY	6.0	5.3	23.3	11.3	5.0	5.3	5.0	5.3	5.7	6.0	5.7	5.7	5.5
SR 7200	8.0	7.7	22.0	58.3	6.3	4.7	5.0	5.7	5.0	7.0	5.0	5.3	5.5
SRP-1BLTR3	6.0	5.3	24.0	12.0	5.0	5.3	5.0	5.3	6.0	6.0	5.7	6.0	5.5
T-1	5.3	6.3	25.7	12.0	5.0	5.3	4.7	6.0	6.0	6.3	5.3	5.0	5.5
ALPHA	5.0	5.7	25.0	8.0	5.0	5.7	5.0	5.7	5.7	6.0	5.0	5.0	5.4
PENN A-1	5.3	5.0	23.0	6.0	5.3	5.0	4.7	5.3	6.0	6.0	5.0	5.0	5.3
L-93	5.0	5.3	21.3	10.3	5.0	4.7	4.7	5.0	5.3	5.7	5.0	5.0	5.0
PENN A-2	5.3	4.7	23.0	16.3	4.7	4.3	4.3	5.3	5.0	5.3	4.7	5.0	4.8
PENNCROSS	4.0	4.0	18.3	11.0	4.0	4.3	3.7	4.7	4.3	4.3	4.0	4.0	4.2
LSD VALUE	1.2	0.8	3.6	8.5	0.5	1.1	1.1	0.9	0.9	0.7	1.1	0.6	0.4
C.V. (%)	12.1	9.4	8.3	35.5	6.5	11.3	11.7	8.9	9.0	7.1	11.3	6.6	4.9

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 3B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2013 DATA

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

NAME	SPRING GREENUP	WEAR TOLERANCE	THATCH MEASUREMENT (MM)	CUT WORM & BURROW COUNT/PLOT	QUALITY RATINGS								MEAN
					APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
PURE DISTINCTION (PST-OJO)	6.3	6.0	26.0	8.7	5.3	5.7	5.7	7.0	7.0	7.7	6.3	6.3	6.4
V8	6.0	5.7	26.7	16.7	6.0	6.0	5.7	6.7	6.3	7.7	6.3	6.3	6.4
FOCUS (SRP-1GMC)	6.7	5.3	25.0	4.3	5.7	6.7	6.0	6.0	6.0	7.0	6.3	6.0	6.2
BARRACUDA (MVS-AP-101)	6.7	4.3	24.0	5.3	6.0	5.3	5.7	6.3	6.3	6.7	6.0	6.3	6.1
PIN-UP (HTM)	5.7	6.3	26.3	9.7	6.0	6.3	5.3	6.0	6.3	6.0	6.0	6.7	6.1
PROCLAMATION (LTP-FEC)	6.0	5.7	24.3	22.0	5.7	6.0	5.3	6.3	6.3	6.7	6.0	5.3	6.0
LUMINARY (A08-TDN2)	7.0	6.3	26.3	7.7	6.0	5.3	5.0	6.0	5.7	7.0	5.7	6.3	5.9
DECLARATION	6.7	5.3	24.7	9.0	6.0	5.0	5.0	6.3	5.3	6.7	6.0	6.0	5.8
AFM	6.3	5.3	22.7	11.0	5.3	5.3	5.3	6.0	6.0	6.7	5.3	5.3	5.7
AUTHORITY	6.0	5.3	23.3	11.3	5.0	5.3	5.0	5.3	5.7	6.0	5.7	5.7	5.5
SRP-1BLTR3	6.0	5.3	24.0	12.0	5.0	5.3	5.0	5.3	6.0	6.0	5.7	6.0	5.5
T-1	5.3	6.3	25.7	12.0	5.0	5.3	4.7	6.0	6.0	6.3	5.3	5.0	5.5
ALPHA	5.0	5.7	25.0	8.0	5.0	5.7	5.0	5.7	5.7	6.0	5.0	5.0	5.4
PENN A-1	5.3	5.0	23.0	6.0	5.3	5.0	4.7	5.3	6.0	6.0	5.0	5.0	5.3
L-93	5.0	5.3	21.3	10.3	5.0	4.7	4.7	5.0	5.3	5.7	5.0	5.0	5.0
PENN A-2	5.3	4.7	23.0	16.3	4.7	4.3	4.3	5.3	5.0	5.3	4.7	5.0	4.8
PENNCROSS	4.0	4.0	18.3	11.0	4.0	4.3	3.7	4.7	4.3	4.3	4.0	4.0	4.2
LSD VALUE	1.3	0.8	3.6	13.0	0.6	1.1	1.2	0.9	1.0	0.8	1.2	0.6	0.4
C.V. (%)	12.4	9.1	8.2	53.7	6.5	11.4	12.0	8.8	9.5	7.6	11.6	6.8	5.1

TABLE 3C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2013 DATA

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

NAME	SPRING GREENUP	WEAR TOLERANCE	THATCH MEASUREMENT (MM)	CUT WORM & BURROW COUNT/PLOT	QUALITY RATINGS								MEAN
					APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
VILLA	8.3	6.3	27.0	62.3	7.0	5.7	6.7	6.3	7	8.0	6.7	6.0	6.7
SR 7200	8.0	7.7	22.0	58.3	6.3	4.7	5.0	5.7	5	7.0	5.0	5.3	5.5
LSD VALUE	1.3	0.8	3.6	13.0	0.6	1.1	1.2	0.9	1	0.8	1.2	0.6	0.4
C.V. (%)	13.2	5.8	2.9	8.5	6.1	13.7	7.0	6.8	0	0.0	7.0	7.2	1.7

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 4A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT NORTH SHORE COUNTRY CLUB IN GLENVIEW, IL 1/
2013 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	FALL COLOR	QUALITY RATINGS							MEAN
			NOVEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	
PURE DISTINCTION (PST-OJO)	7.0	5.7	6.0	6.0	7.3	7.7	7.7	7.7	7.3	7.3	7.3
LUMINARY (A08-TDN2)	7.0	6.0	5.7	6.7	7.0	7.3	7.3	7.7	7.0	7.0	7.1
BARRACUDA (MVS-AP-101)	5.7	5.7	6.0	6.3	6.7	6.7	7.3	7.3	6.7	7.0	6.9
FOCUS (SRP-1GMC)	6.0	6.7	6.0	6.7	7.0	7.3	7.3	6.7	6.3	7.0	6.9
PIN-UP (HTM)	6.0	6.3	6.3	6.0	6.7	7.0	6.7	7.7	7.0	7.3	6.9
AFM	6.0	6.7	5.7	6.0	6.3	7.0	6.3	7.0	7.0	7.7	6.8
DECLARATION	5.7	5.7	6.0	6.7	6.7	6.3	6.3	6.7	7.0	7.7	6.8
PROCLAMATION (LTP-FEC)	5.3	6.3	6.3	6.3	7.0	7.0	7.3	7.0	6.7	6.0	6.8
V8	7.0	6.7	6.7	6.3	6.3	7.3	6.7	7.0	7.0	7.0	6.8
SRP-1BLTR3	5.7	6.3	6.3	6.3	6.7	6.3	7.0	6.3	7.0	7.3	6.7
AUTHORITY	6.0	6.0	5.7	7.0	7.0	7.0	6.0	6.7	6.7	6.0	6.6
T-1	6.0	7.7	6.3	5.3	6.3	7.0	6.0	6.3	6.3	6.3	6.2
ALPHA	5.3	5.7	6.0	5.0	5.3	7.0	6.0	6.7	6.7	6.3	6.1
PENN A-2	5.0	6.3	6.0	5.0	5.3	7.0	5.0	7.0	7.0	6.0	6.0
L-93	4.7	7.3	6.0	5.7	5.7	6.0	6.0	5.7	6.3	6.0	5.9
PENN A-1	4.0	6.7	7.0	5.0	5.7	5.7	5.3	7.0	6.7	5.7	5.9
PENNCROSS	4.7	6.3	7.0	4.3	4.7	5.0	4.3	4.3	4.7	4.3	4.5
SR 7200	5.0	3.0	5.0	3.3	2.0	2.0	3.0	2.0	2.0	2.3	2.4
VILLA	5.0	3.0	5.0	2.0	2.0	2.0	3.0	2.0	2.0	2.3	2.2
LSD VALUE	1.1	1.0	0.9	1.4	1.0	1.0	1.1	0.8	0.9	1.1	0.6
C.V. (%)	11.9	11.1	8.1	15.5	11.5	10.7	12.0	8.9	10.1	11.8	6.7

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

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

TABLE 4B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT NORTH SHORE COUNTRY CLUB IN GLENVIEW, IL 1/
2013 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	FALL	QUALITY RATINGS								MEAN
			COLOR NOVEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT		
PURE DISTINCTION (PST-OJO)	7.0	5.7	6.0	6.0	7.3	7.7	7.7	7.7	7.3	7.3	7.3	
LUMINARY (A08-TDN2)	7.0	6.0	5.7	6.7	7.0	7.3	7.3	7.7	7.0	7.0	7.1	
BARRACUDA (MVS-AP-101)	5.7	5.7	6.0	6.3	6.7	6.7	7.3	7.3	6.7	7.0	6.9	
FOCUS (SRP-1GMC)	6.0	6.7	6.0	6.7	7.0	7.3	7.3	6.7	6.3	7.0	6.9	
PIN-UP (HTM)	6.0	6.3	6.3	6.0	6.7	7.0	6.7	7.7	7.0	7.3	6.9	
AFM	6.0	6.7	5.7	6.0	6.3	7.0	6.3	7.0	7.0	7.7	6.8	
DECLARATION	5.7	5.7	6.0	6.7	6.7	6.3	6.3	6.7	7.0	7.7	6.8	
PROCLAMATION (LTP-FEC)	5.3	6.3	6.3	6.3	7.0	7.0	7.3	7.0	6.7	6.0	6.8	
V8	7.0	6.7	6.7	6.3	6.3	7.3	6.7	7.0	7.0	7.0	6.8	
SRP-1BLTR3	5.7	6.3	6.3	6.3	6.7	6.3	7.0	6.3	7.0	7.3	6.7	
AUTHORITY	6.0	6.0	5.7	7.0	7.0	7.0	6.0	6.7	6.7	6.0	6.6	
T-1	6.0	7.7	6.3	5.3	6.3	7.0	6.0	6.3	6.3	6.3	6.2	
ALPHA	5.3	5.7	6.0	5.0	5.3	7.0	6.0	6.7	6.7	6.3	6.1	
PENN A-2	5.0	6.3	6.0	5.0	5.3	7.0	5.0	7.0	7.0	6.0	6.0	
L-93	4.7	7.3	6.0	5.7	5.7	6.0	6.0	5.7	6.3	6.0	5.9	
PENN A-1	4.0	6.7	7.0	5.0	5.7	5.7	5.3	7.0	6.7	5.7	5.9	
PENNCROSS	4.7	6.3	7.0	4.3	4.7	5.0	4.3	4.3	4.7	4.3	4.5	
LSD VALUE	1.2	1.5	1.1	1.4	1.3	1.3	1.3	0.9	1.3	1.2	0.7	
C.V. (%)	12.5	10.9	8.3	12.8	11.1	10.3	11.8	8.5	9.6	10.9	6.3	

TABLE 4C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT NORTH SHORE COUNTRY CLUB IN GLENVIEW, IL 1/
2013 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	FALL	QUALITY RATINGS								MEAN
			COLOR NOVEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT		
SR 7200	5.0	3.0	5.0	3.3	2.0	2.0	3.0	2.0	2.0	2.3	2.4	
VILLA	5.0	3.0	5.0	2.0	2.0	2.0	3.0	2.0	2.0	2.3	2.2	
LSD VALUE	1.2	1.5	1.1	1.4	1.3	1.3	1.3	0.9	1.3	1.2	0.7	
C.V. (%)	0.0	0.0	0.0	61.2	0.0	0.0	0.0	0.0	0.0	30.3	11.1	

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

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

TABLE 5A. GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	AR1	NJ1	UT1	MEAN
FOCUS (SRP-1GMC)	6.0	6.7	7.7	6.8
T-1	8.3	4.3	7.7	6.8
V8	6.3	6.3	7.3	6.7
AUTHORITY	6.0	6.3	7.0	6.4
BARRACUDA (MVS-AP-101)	6.7	6.7	5.7	6.3
LUMINARY (A08-TDN2)	6.0	6.3	6.3	6.2
PIN-UP (HTM)	6.0	5.7	6.7	6.1
PENN A-2	6.3	5.0	7.0	6.1
PROCLAMATION (LTP-FEC)	6.7	5.3	6.3	6.1
L-93	7.0	5.0	6.0	6.0
ALPHA	7.7	4.3	5.7	5.9
AFM	6.0	6.0	5.0	5.7
PENN A-1	6.3	5.0	5.3	5.6
PENNCROSS	6.7	4.0	5.7	5.4
PURE DISTINCTION (PST-OJO)	5.7	4.7	5.0	5.1
DECLARATION	6.0	5.3	4.0	5.1
SRP-1BLTR3	6.0	4.0	5.0	5.0
SR 7200	8.0	3.7	2.0	4.6
VILLA	5.7	4.3	1.7	3.9
LSD VALUE	0.9	2.0	1.6	0.9
C.V. (%)	8.2	24.2	17.6	16.9

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

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

TABLE 5B. GENETIC COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	AR1	NJ1	UT1	MEAN
FOCUS (SRP-1GMC)	6.0	6.7	7.7	6.8
T-1	8.3	4.3	7.7	6.8
V8	6.3	6.3	7.3	6.7
AUTHORITY	6.0	6.3	7.0	6.4
BARRACUDA (MVS-AP-101)	6.7	6.7	5.7	6.3
LUMINARY (A08-TDN2)	6.0	6.3	6.3	6.2
PIN-UP (HTM)	6.0	5.7	6.7	6.1
PENN A-2	6.3	5.0	7.0	6.1
PROCLAMATION (LTP-FEC)	6.7	5.3	6.3	6.1
L-93	7.0	5.0	6.0	6.0
ALPHA	7.7	4.3	5.7	5.9
AFM	6.0	6.0	5.0	5.7
PENN A-1	6.3	5.0	5.3	5.6
PENNCROSS	6.7	4.0	5.7	5.4
PURE DISTINCTION (PST-OJO)	5.7	4.7	5.0	5.1
DECLARATION	6.0	5.3	4.0	5.1
SRP-1BLTR3	6.0	4.0	5.0	5.0
LSD VALUE	0.9	2.1	1.7	0.9
C.V. (%)	8.4	24.7	17.1	17.1

TABLE 5C. GENETIC COLOR RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	AR1	NJ1	UT1	MEAN
SR 7200	8.0	3.7	2.0	4.6
VILLA	5.7	4.3	1.7	3.9
LSD VALUE	0.7	0.9	0.7	0.4
C.V. (%)	6.0	14.4	22.3	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 6A. SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	RI1	UT1	WA3	MEAN
V8	4.7	6.0	6.0	5.6
PIN-UP (HTM)	5.0	5.7	5.7	5.4
AUTHORITY	5.3	4.7	6.3	5.4
AFM	6.0	4.7	5.3	5.3
DECLARATION	5.7	5.0	5.3	5.3
BARRACUDA (MVS-AP-101)	4.5	5.0	6.3	5.3
PROCLAMATION (LTP-FEC)	5.0	4.0	6.3	5.1
FOCUS (SRP-1GMC)	5.0	4.0	6.0	5.0
SRP-1BLTR3	4.7	4.3	6.0	5.0
PENN A-2	4.3	4.0	6.3	4.9
L-93	4.0	3.3	6.7	4.7
PENN A-1	3.3	4.0	6.3	4.6
T-1	4.3	3.7	5.7	4.6
LUMINARY (A08-TDN2)	5.0	3.7	5.0	4.6
VILLA	5.7	1.0	6.3	4.3
ALPHA	3.3	3.7	5.7	4.2
SR 7200	4.7	1.0	6.3	4.0
PURE DISTINCTION (PST-OJO)	4.0	2.3	5.3	3.9
PENNCROSS	3.0	2.3	6.0	3.8
LSD VALUE	1.7	1.4	1.4	0.9
C.V. (%)	22.3	23.6	14.8	19.6

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

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

TABLE 6B. SPRING GREENUP RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	RI1	UT1	WA3	MEAN
V8	4.7	6.0	6.0	5.6
PIN-UP (HTM)	5.0	5.7	5.7	5.4
AUTHORITY	5.3	4.7	6.3	5.4
AFM	6.0	4.7	5.3	5.3
DECLARATION	5.7	5.0	5.3	5.3
BARRACUDA (MVS-AP-101)	4.5	5.0	6.3	5.3
PROCLAMATION (LTP-FEC)	5.0	4.0	6.3	5.1
FOCUS (SRP-1GMC)	5.0	4.0	6.0	5.0
SRP-1BLTR3	4.7	4.3	6.0	5.0
PENN A-2	4.3	4.0	6.3	4.9
L-93	4.0	3.3	6.7	4.7
PENN A-1	3.3	4.0	6.3	4.6
T-1	4.3	3.7	5.7	4.6
LUMINARY (A08-TDN2)	5.0	3.7	5.0	4.6
ALPHA	3.3	3.7	5.7	4.2
PURE DISTINCTION (PST-OJO)	4.0	2.3	5.3	3.9
PENNCROSS	3.0	2.3	6.0	3.8
LSD VALUE	1.7	1.5	1.5	0.9
C.V. (%)	22.3	23.0	15.4	19.7

TABLE 6C. SPRING GREENUP RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	RI1	UT1	WA3	MEAN
VILLA	5.7	1	6.3	4.3
SR 7200	4.7	1	6.3	4.0
LSD VALUE	1.9	0	0.9	0.7
C.V. (%)	22.3	0	9.1	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 7A. LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	AR1	NJ1	RI1	MEAN
VILLA	7.7	8.7	8.3	8.2
V8	8.3	7.7	6.7	7.6
AUTHORITY	8.7	7.0	7.0	7.6
PURE DISTINCTION (PST-OJO)	8.7	7.0	6.3	7.3
SR 7200	7.3	8.0	6.3	7.2
DECLARATION	7.7	6.7	7.0	7.1
PROCLAMATION (LTP-FEC)	7.7	7.0	6.3	7.0
BARRACUDA (MVS-AP-101)	7.3	8.0	5.0	6.8
PIN-UP (HTM)	7.7	6.3	5.7	6.6
SRP-1BLTR3	7.3	6.3	6.0	6.6
PENN A-1	7.7	6.3	5.0	6.3
LUMINARY (A08-TDN2)	7.7	7.0	4.0	6.2
FOCUS (SRP-1GMC)	8.0	6.0	4.0	6.0
AFM	7.7	5.3	4.7	5.9
T-1	7.0	5.0	5.0	5.7
PENN A-2	7.0	5.7	4.0	5.6
ALPHA	7.0	5.0	3.3	5.1
L-93	7.0	4.7	3.0	4.9
PENNCROSS	6.0	3.3	2.0	3.8
LSD VALUE	1.0	1.1	1.0	0.6
C.V. (%)	8.2	11.0	12.3	10.3

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

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

TABLE 7B. LEAF TEXTURE RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	AR1	NJ1	RI1	MEAN
V8	8.3	7.7	6.7	7.6
AUTHORITY	8.7	7.0	7.0	7.6
PURE DISTINCTION (PST-OJO)	8.7	7.0	6.3	7.3
DECLARATION	7.7	6.7	7.0	7.1
PROCLAMATION (LTP-FEC)	7.7	7.0	6.3	7.0
BARRACUDA (MVS-AP-101)	7.3	8.0	5.0	6.8
PIN-UP (HTM)	7.7	6.3	5.7	6.6
SRP-1BLTR3	7.3	6.3	6.0	6.6
PENN A-1	7.7	6.3	5.0	6.3
LUMINARY (A08-TDN2)	7.7	7.0	4.0	6.2
FOCUS (SRP-1GMC)	8.0	6.0	4.0	6.0
AFM	7.7	5.3	4.7	5.9
T-1	7.0	5.0	5.0	5.7
PENN A-2	7.0	5.7	4.0	5.6
ALPHA	7.0	5.0	3.3	5.1
L-93	7.0	4.7	3.0	4.9
PENNCROSS	6.0	3.3	2.0	3.8
LSD VALUE	0.8	1.2	0.7	0.5
C.V. (%)	6.9	11.9	8.5	9.2

TABLE 7C. LEAF TEXTURE RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	AR1	NJ1	RI1	MEAN
VILLA	7.7	8.7	8.3	8.2
SR 7200	7.3	8.0	6.3	7.2
LSD VALUE	1.9	0.7	2.5	1.0
C.V. (%)	15.4	4.9	20.8	14.6

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 8A. SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	RI1
VILLA	9.0
SR 7200	8.7
AUTHORITY	8.0
V8	8.0
LUMINARY (A08-TDN2)	7.7
PIN-UP (HTM)	7.7
DECLARATION	7.3
AFM	7.0
FOCUS (SRP-1GMC)	6.7
BARRACUDA (MVS-AP-101)	6.5
PURE DISTINCTION (PST-OJO)	6.3
PROCLAMATION (LTP-FEC)	6.0
SRP-1BLTR3	6.0
L-93	5.7
PENN A-1	5.7
PENN A-2	5.3
ALPHA	5.0
T-1	5.0
PENNCROSS	3.3
LSD VALUE	1.2
C.V. (%)	11.0

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

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

TABLE 8B. SUMMER DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	RI1
AUTHORITY	8.0
V8	8.0
LUMINARY (A08-TDN2)	7.7
PIN-UP (HTM)	7.7
DECLARATION	7.3
AFM	7.0
FOCUS (SRP-1GMC)	6.7
BARRACUDA (MVS-AP-101)	6.5
PURE DISTINCTION (PST-OJO)	6.3
PROCLAMATION (LTP-FEC)	6.0
SRP-1BLTR3	6.0
L-93	5.7
PENN A-1	5.7
PENN A-2	5.3
ALPHA	5.0
T-1	5.0
PENNCROSS	3.3
LSD VALUE	1.2
C.V. (%)	11.9

TABLE 8C. SUMMER DENSITY RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	RI1
VILLA	9.0
SR 7200	8.7
LSD VALUE	0.7
C.V. (%)	4.6

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

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

TABLE 9A. FALL DENSITY RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	NJ1
BARRACUDA (MVS-AP-101)	7.3
VILLA	7.3
AUTHORITY	6.7
PURE DISTINCTION (PST-OJ0)	6.7
FOCUS (SRP-1GMC)	6.3
LUMINARY (A08-TDN2)	6.3
AFM	5.7
DECLARATION	5.7
PROCLAMATION (LTP-FEC)	5.7
SR 7200	5.7
V8	5.7
PENN A-1	5.3
PENN A-2	5.0
PIN-UP (HTM)	5.0
ALPHA	4.7
L-93	4.3
SRP-1BLTR3	4.0
T-1	4.0
PENNCROSS	3.7
LSD VALUE	2.2
C.V. (%)	25.3

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

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

TABLE 9B. FALL DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	NJ1
BARRACUDA (MVS-AP-101)	7.3
AUTHORITY	6.7
PURE DISTINCTION (PST-OJO)	6.7
FOCUS (SRP-1GMC)	6.3
LUMINARY (A08-TDN2)	6.3
AFM	5.7
DECLARATION	5.7
PROCLAMATION (LTP-FEC)	5.7
V8	5.7
PENN A-1	5.3
PENN A-2	5.0
PIN-UP (HTM)	5.0
ALPHA	4.7
L-93	4.3
SRP-1BLTR3	4.0
T-1	4.0
PENNCROSS	3.7
LSD VALUE	2.4
C.V. (%)	27.0

TABLE 9C. FALL DENSITY RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	NJ1
VILLA	7.3
SR 7200	5.7
LSD VALUE	0.9
C.V. (%)	8.9

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

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

TABLE 10A. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN
 2013 DATA

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

NAME	KY1	WA3	MEAN
SR 7200	2.7	6.0	4.3
T-1	3.7	4.7	4.2
VILLA	2.7	5.7	4.2
LUMINARY (A08-TDN2)	4.3	4.0	4.2
AUTHORITY	3.3	4.7	4.0
ALPHA	3.0	4.7	3.8
DECLARATION	3.7	4.0	3.8
L-93	2.7	5.0	3.8
PURE DISTINCTION (PST-OJO)	3.7	4.0	3.8
AFM	3.3	4.0	3.7
BARRACUDA (MVS-AP-101)	2.7	4.7	3.7
PENNCROSS	2.3	5.0	3.7
PIN-UP (HTM)	3.3	4.0	3.7
SRP-1BLTR3	2.7	4.7	3.7
PENN A-1	2.7	4.3	3.5
PROCLAMATION (LTP-FEC)	3.0	4.0	3.5
PENN A-2	2.3	4.3	3.3
FOCUS (SRP-1GMC)	2.3	4.0	3.2
V8	2.0	4.0	3.0
LSD VALUE	1.0	0.8	0.6
C.V. (%)	21.0	11.0	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.

TABLE 10B. WINTER COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	KY1	WA3	MEAN
T-1	3.7	4.7	4.2
LUMINARY (A08-TDN2)	4.3	4.0	4.2
AUTHORITY	3.3	4.7	4.0
ALPHA	3.0	4.7	3.8
DECLARATION	3.7	4.0	3.8
L-93	2.7	5.0	3.8
PURE DISTINCTION (PST-OJO)	3.7	4.0	3.8
AFM	3.3	4.0	3.7
BARRACUDA (MVS-AP-101)	2.7	4.7	3.7
PENNCROSS	2.3	5.0	3.7
PIN-UP (HTM)	3.3	4.0	3.7
SRP-1BLTR3	2.7	4.7	3.7
PENN A-1	2.7	4.3	3.5
PROCLAMATION (LTP-FEC)	3.0	4.0	3.5
PENN A-2	2.3	4.3	3.3
FOCUS (SRP-1GMC)	2.3	4.0	3.2
V8	2.0	4.0	3.0
LSD VALUE	1.0	0.7	0.6
C.V. (%)	20.9	10.2	14.8

TABLE 10C. WINTER COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	KY1	WA3	MEAN
SR 7200	2.7	6.0	4.3
VILLA	2.7	5.7	4.2
LSD VALUE	0.9	1.3	0.8
C.V. (%)	21.7	14.0	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 11A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	NJ1
DECLARATION	7.7
V8	7.7
BARRACUDA (MVS-AP-101)	7.3
FOCUS (SRP-1GMC)	7.3
PENNCROSS	7.3
VILLA	7.3
LUMINARY (A08-TDN2)	7.0
SR 7200	7.0
L-93	6.7
AUTHORITY	6.3
ALPHA	6.0
PENN A-2	6.0
AFM	5.7
PROCLAMATION (LTP-FEC)	5.7
PIN-UP (HTM)	5.3
PENN A-1	5.0
T-1	4.7
PURE DISTINCTION (PST-OJO)	4.0
SRP-1BLTR3	3.7
LSD VALUE	1.8
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.

TABLE 11B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	NJ1
DECLARATION	7.7
V8	7.7
BARRACUDA (MVS-AP-101)	7.3
FOCUS (SRP-1GMC)	7.3
PENNCROSS	7.3
LUMINARY (A08-TDN2)	7.0
L-93	6.7
AUTHORITY	6.3
ALPHA	6.0
PENN A-2	6.0
AFM	5.7
PROCLAMATION (LTP-FEC)	5.7
PIN-UP (HTM)	5.3
PENN A-1	5.0
T-1	4.7
PURE DISTINCTION (PST-OJO)	4.0
SRP-1BLTR3	3.7
LSD VALUE	1.8
C.V. (%)	18.3

TABLE 11C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	NJ1
VILLA	7.3
SR 7200	7.0
LSD VALUE	1.7
C.V. (%)	15.1

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

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

TABLE 12A. BROWN PATCH (WARM TEMPERATURE) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	NJ1
VILLA	8.0
PURE DISTINCTION (PST-OJO)	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.

TABLE 12B. BROWN PATCH (WARM TEMPERATURE) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

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 12C. BROWN PATCH (WARM TEMPERATURE) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

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.

TABLE 13A. ANTHRACNOSE RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

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.

TABLE 13B. ANTHRACNOSE RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

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 13C. ANTHRACNOSE RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

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.

TABLE 14A. SOD WEB WORM DAMAGE RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

SOD WEB WORM DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

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.

TABLE 14B. SOD WEB WORM DAMAGE RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

SOD WEB WORM DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

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 14C. SOD WEB WORM DAMAGE RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

SOD WEB WORM DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

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.

TABLE 15A. FALL COLOR (OCTOBER) RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN
 2013 DATA

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

NAME	UT1
V8	8.0
ALPHA	6.7
AUTHORITY	5.3
BARRACUDA (MVS-AP-101)	5.3
PIN-UP (HTM)	5.3
PURE DISTINCTION (PST-OJO)	5.3
FOCUS (SRP-1GMC)	4.3
PROCLAMATION (LTP-FEC)	4.3
T-1	4.3
LUMINARY (A08-TDN2)	4.0
AFM	3.7
PENN A-1	3.7
PENN A-2	3.7
SRP-1BLTR3	3.7
DECLARATION	3.0
L-93	3.0
PENNCROSS	2.3
SR 7200	1.3
VILLA	1.3
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.

TABLE 15B. FALL COLOR (OCTOBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	UT1
V8	8.0
ALPHA	6.7
AUTHORITY	5.3
BARRACUDA (MVS-AP-101)	5.3
PIN-UP (HTM)	5.3
PURE DISTINCTION (PST-OJO)	5.3
FOCUS (SRP-1GMC)	4.3
PROCLAMATION (LTP-FEC)	4.3
T-1	4.3
LUMINARY (A08-TDN2)	4.0
AFM	3.7
PENN A-1	3.7
PENN A-2	3.7
SRP-1BLTR3	3.7
DECLARATION	3.0
L-93	3.0
PENNCROSS	2.3
LSD VALUE	1.6
C.V. (%)	21.9

TABLE 15C. FALL COLOR (OCTOBER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	UT1
SR 7200	1.3
VILLA	1.3
LSD VALUE	0.9
C.V. (%)	43.3

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

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

TABLE 16A. FALL COLOR (DECEMBER) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	WA3
VILLA	5.0
BARRACUDA (MVS-AP-101)	4.7
PURE DISTINCTION (PST-OJO)	4.7
SR 7200	4.7
DECLARATION	4.3
PENN A-1	4.3
PIN-UP (HTM)	4.3
V8	4.3
AFM	4.0
ALPHA	4.0
AUTHORITY	4.0
FOCUS (SRP-1GMC)	4.0
LUMINARY (A08-TDN2)	4.0
PENN A-2	4.0
PROCLAMATION (LTP-FEC)	4.0
T-1	4.0
L-93	3.7
PENNCROSS	3.7
SRP-1BLTR3	3.7
LSD VALUE	0.8
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.

TABLE 16B. FALL COLOR (DECEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	WA3
BARRACUDA (MVS-AP-101)	4.7
PURE DISTINCTION (PST-OJO)	4.7
DECLARATION	4.3
PENN A-1	4.3
PIN-UP (HTM)	4.3
V8	4.3
AFM	4.0
ALPHA	4.0
AUTHORITY	4.0
FOCUS (SRP-1GMC)	4.0
LUMINARY (A08-TDN2)	4.0
PENN A-2	4.0
PROCLAMATION (LTP-FEC)	4.0
T-1	4.0
L-93	3.7
PENNCROSS	3.7
SRP-1BLTR3	3.7
LSD VALUE	0.8
C.V. (%)	11.8

TABLE 16C. FALL COLOR (DECEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	WA3
VILLA	5.0
SR 7200	4.7
LSD VALUE	0.7
C.V. (%)	8.4

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

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

TABLE 17A. AERIFICATION RECOVERY RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A GREEN
 2013 DATA

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

NAME	AR1
PENN A-2	8.0
ALPHA	7.7
DECLARATION	7.7
PROCLAMATION (LTP-FEC)	7.7
T-1	7.7
LUMINARY (A08-TDN2)	7.3
PENNCROSS	7.3
PIN-UP (HTM)	7.3
PURE DISTINCTION (PST-OJO)	7.3
SR 7200	7.3
SRP-1BLTR3	7.3
AFM	7.0
AUTHORITY	7.0
BARRACUDA (MVS-AP-101)	7.0
FOCUS (SRP-1GMC)	7.0
PENN A-1	7.0
VILLA	6.7
L-93	6.0
V8	6.0
LSD VALUE	2.2
C.V. (%)	19.4

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. AERIFICATION RECOVERY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	AR1
PENN A-2	8.0
ALPHA	7.7
DECLARATION	7.7
PROCLAMATION (LTP-FEC)	7.7
T-1	7.7
LUMINARY (A08-TDN2)	7.3
PENNCROSS	7.3
PIN-UP (HTM)	7.3
PURE DISTINCTION (PST-OJO)	7.3
SRP-1BLTR3	7.3
AFM	7.0
AUTHORITY	7.0
BARRACUDA (MVS-AP-101)	7.0
FOCUS (SRP-1GMC)	7.0
PENN A-1	7.0
L-93	6.0
V8	6.0
LSD VALUE	2.3
C.V. (%)	19.7

TABLE 17C. AERIFICATION RECOVERY RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	AR1
SR 7200	7.3
VILLA	6.7
LSD VALUE	1.9
C.V. (%)	16.5

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 18A. COPPER SPOT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	NJ1
FOCUS (SRP-1GMC)	8.0
T-1	7.3
ALPHA	7.0
L-93	6.7
PIN-UP (HTM)	6.3
V8	6.3
BARRACUDA (MVS-AP-101)	6.0
PENNCROSS	6.0
SR 7200	6.0
AFM	5.7
LUMINARY (A08-TDN2)	5.3
PENN A-2	5.0
AUTHORITY	4.3
PENN A-1	4.0
SRP-1BLTR3	4.0
VILLA	3.7
PROCLAMATION (LTP-FEC)	3.0
PURE DISTINCTION (PST-OJO)	3.0
DECLARATION	2.3
LSD VALUE	2.9
C.V. (%)	34.3

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 18B. COPPER SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	NJ1
FOCUS (SRP-1GMC)	8.0
T-1	7.3
ALPHA	7.0
L-93	6.7
PIN-UP (HTM)	6.3
V8	6.3
BARRACUDA (MVS-AP-101)	6.0
PENNCROSS	6.0
AFM	5.7
LUMINARY (A08-TDN2)	5.3
PENN A-2	5.0
AUTHORITY	4.3
PENN A-1	4.0
SRP-1BLTR3	4.0
PROCLAMATION (LTP-FEC)	3.0
PURE DISTINCTION (PST-OJO)	3.0
DECLARATION	2.3
LSD VALUE	2.9
C.V. (%)	34.4

TABLE 18C. COPPER SPOT RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	NJ1
SR 7200	6.0
VILLA	3.7
LSD VALUE	2.6
C.V. (%)	33.8

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 19A. TURF UNIFORMITY RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	RI1
DECLARATION	9.0
PIN-UP (HTM)	7.3
FOCUS (SRP-1GMC)	7.0
PENN A-1	7.0
PROCLAMATION (LTP-FEC)	7.0
AFM	6.3
AUTHORITY	6.3
PENN A-2	5.7
V8	5.7
L-93	5.3
VILLA	5.3
ALPHA	5.0
BARRACUDA (MVS-AP-101)	5.0
LUMINARY (A08-TDN2)	5.0
T-1	4.3
PURE DISTINCTION (PST-OJO)	4.0
SR 7200	4.0
SRP-1BLTR3	4.0
PENNCROSS	1.3
LSD VALUE	2.3
C.V. (%)	25.7

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 19B. TURF UNIFORMITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	RI1
DECLARATION	9.0
PIN-UP (HTM)	7.3
FOCUS (SRP-1GMC)	7.0
PENN A-1	7.0
PROCLAMATION (LTP-FEC)	7.0
AFM	6.3
AUTHORITY	6.3
PENN A-2	5.7
V8	5.7
L-93	5.3
ALPHA	5.0
BARRACUDA (MVS-AP-101)	5.0
LUMINARY (A08-TDN2)	5.0
T-1	4.3
PURE DISTINCTION (PST-OJO)	4.0
SRP-1BLTR3	4.0
PENNCROSS	1.3
LSD VALUE	2.4
C.V. (%)	26.2

TABLE 19C. TURF UNIFORMITY RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2013 DATA

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

NAME	RI1
VILLA	5.3
SR 7200	4.0
LSD VALUE	1.3
C.V. (%)	17.5

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

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

TABLE 20A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/
2013 DATA

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

NAME	MAY	JUL	MEAN
DECLARATION	9.0	9.0	9.0
LUMINARY (A08-TDN2)	9.0	9.0	9.0
AFM	9.0	8.7	8.8
BARRACUDA (MVS-AP-101)	9.0	8.7	8.8
FOCUS (SRP-1GMC)	9.0	8.7	8.8
SR 7200	9.0	8.3	8.7
V8	8.7	8.7	8.7
PIN-UP (HTM)	9.0	8.0	8.5
PROCLAMATION (LTP-FEC)	9.0	8.0	8.5
L-93	9.0	7.7	8.3
PENN A-1	8.3	8.3	8.3
VILLA	8.7	8.0	8.3
ALPHA	8.7	7.3	8.0
AUTHORITY	8.0	7.7	7.8
T-1	7.7	7.7	7.7
PENN A-2	8.3	6.7	7.5
PENNCROSS	7.7	6.7	7.2
SRP-1BLTR3	7.0	6.0	6.5
PURE DISTINCTION (PST-OJO)	6.7	5.0	5.8
LSD VALUE	0.8	1.5	1.0
C.V. (%)	6.1	11.1	7.3

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 20B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/
2013 DATA

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

NAME	MAY	JUL	MEAN
DECLARATION	9.0	9.0	9.0
LUMINARY (A08-TDN2)	9.0	9.0	9.0
AFM	9.0	8.7	8.8
BARRACUDA (MVS-AP-101)	9.0	8.7	8.8
FOCUS (SRP-1GMC)	9.0	8.7	8.8
V8	8.7	8.7	8.7
PIN-UP (HTM)	9.0	8.0	8.5
PROCLAMATION (LTP-FEC)	9.0	8.0	8.5
L-93	9.0	7.7	8.3
PENN A-1	8.3	8.3	8.3
ALPHA	8.7	7.3	8.0
AUTHORITY	8.0	7.7	7.8
T-1	7.7	7.7	7.7
PENN A-2	8.3	6.7	7.5
PENNCROSS	7.7	6.7	7.2
SRP-1BLTR3	7.0	6.0	6.5
PURE DISTINCTION (PST-OJO)	6.7	5.0	5.8
LSD VALUE	0.8	1.5	1.0
C.V. (%)	6.1	11.5	7.6

TABLE 20C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT FAYETTEVILLE, AR 1/
2013 DATA

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

NAME	MAY	JUL	MEAN
SR 7200	9.0	8.3	8.7
VILLA	8.7	8.0	8.3
LSD VALUE	0.8	1.5	1.0
C.V. (%)	4.6	10.0	6.4

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

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

TABLE 21A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT LEXINGTON, KY 1/
2013 DATA

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

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.

TABLE 21B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT LEXINGTON, KY 1/
2013 DATA

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

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-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	1.4	1.1	0.7
C.V. (%)	13.6	16.9	7.7

TABLE 21C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT LEXINGTON, KY 1/
2013 DATA

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

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.

TABLE 22A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT KINGSTON, RI 1/
2013 DATA

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

NAME	AUG	SEP	OCT	MEAN
DECLARATION	8.7	7.7	7.0	7.8
VILLA	7.0	7.3	6.7	7.0
BARRACUDA (MVS-AP-101)	7.5	6.0	5.5	6.3
FOCUS (SRP-1GMC)	7.7	5.0	5.0	5.9
LUMINARY (A08-TDN2)	7.3	5.0	4.7	5.7
PROCLAMATION (LTP-FEC)	7.7	5.0	3.7	5.4
V8	7.3	5.0	4.0	5.4
AFM	7.3	4.7	3.0	5.0
T-1	6.3	4.0	3.3	4.6
AUTHORITY	7.0	3.7	2.3	4.3
PIN-UP (HTM)	6.7	4.0	2.3	4.3
SR 7200	5.0	4.0	4.0	4.3
PENN A-1	6.0	4.0	2.7	4.2
L-93	6.3	3.0	3.0	4.1
PENN A-2	5.3	2.7	3.7	3.9
PENNCROSS	5.3	3.7	2.3	3.8
ALPHA	3.7	3.0	3.7	3.4
PURE DISTINCTION (PST-OJO)	5.3	3.3	1.0	3.2
SRP-1BLTR3	1.3	1.0	1.0	1.1
LSD VALUE	2.0	1.7	2.0	1.6
C.V. (%)	19.1	24.3	32.8	20.4

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

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

TABLE 22B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT KINGSTON, RI 1/
2013 DATA

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

NAME	AUG	SEP	OCT	MEAN
DECLARATION	8.7	7.7	7.0	7.8
BARRACUDA (MVS-AP-101)	7.5	6.0	5.5	6.3
FOCUS (SRP-1GMC)	7.7	5.0	5.0	5.9
LUMINARY (A08-TDN2)	7.3	5.0	4.7	5.7
PROCLAMATION (LTP-FEC)	7.7	5.0	3.7	5.4
V8	7.3	5.0	4.0	5.4
AFM	7.3	4.7	3.0	5.0
T-1	6.3	4.0	3.3	4.6
AUTHORITY	7.0	3.7	2.3	4.3
PIN-UP (HTM)	6.7	4.0	2.3	4.3
PENN A-1	6.0	4.0	2.7	4.2
L-93	6.3	3.0	3.0	4.1
PENN A-2	5.3	2.7	3.7	3.9
PENNCROSS	5.3	3.7	2.3	3.8
ALPHA	3.7	3.0	3.7	3.4
PURE DISTINCTION (PST-OJO)	5.3	3.3	1.0	3.2
SRP-1BLTR3	1.3	1.0	1.0	1.1
LSD VALUE	1.9	1.7	2.0	1.5
C.V. (%)	18.5	24.5	34.2	19.9

TABLE 22C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT KINGSTON, RI 1/
2013 DATA

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

NAME	AUG	SEP	OCT	MEAN
VILLA	7.0	7.3	6.7	7.0
SR 7200	5.0	4.0	4.0	4.3
LSD VALUE	1.9	1.7	2.0	1.5
C.V. (%)	23.6	28.8	33.4	27.3

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. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT BLACKSBURG, VA 1/
2013 DATA

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

NAME	JUN	SEP	MEAN
VILLA	8.7	8.7	8.7
SR 7200	8.3	8.7	8.5
DECLARATION	8.3	8.3	8.3
PROCLAMATION (LTP-FEC)	8.3	8.3	8.3
V8	8.3	8.3	8.3
FOCUS (SRP-1GMC)	8.7	7.7	8.2
LUMINARY (A08-TDN2)	8.3	8.0	8.2
PENN A-1	8.0	8.3	8.2
L-93	8.0	8.0	8.0
PENNCROSS	7.7	8.3	8.0
BARRACUDA (MVS-AP-101)	7.7	8.0	7.8
AUTHORITY	7.3	8.0	7.7
AFM	7.7	7.3	7.5
PIN-UP (HTM)	7.0	7.7	7.3
ALPHA	7.3	7.0	7.2
PENN A-2	7.3	7.0	7.2
T-1	7.0	7.0	7.0
SRP-1BLTR3	6.7	6.0	6.3
PURE DISTINCTION (PST-OJO)	5.0	4.3	4.7
LSD VALUE	1.0	1.3	1.0
C.V. (%)	8.1	10.5	7.9

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

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

TABLE 23B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT BLACKSBURG, VA 1/
2013 DATA

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

NAME	JUN	SEP	MEAN
DECLARATION	8.3	8.3	8.3
PROCLAMATION (LTP-FEC)	8.3	8.3	8.3
V8	8.3	8.3	8.3
FOCUS (SRP-1GMC)	8.7	7.7	8.2
LUMINARY (A08-TDN2)	8.3	8.0	8.2
PENN A-1	8.0	8.3	8.2
L-93	8.0	8.0	8.0
PENNCROSS	7.7	8.3	8.0
BARRACUDA (MVS-AP-101)	7.7	8.0	7.8
AUTHORITY	7.3	8.0	7.7
AFM	7.7	7.3	7.5
PIN-UP (HTM)	7.0	7.7	7.3
ALPHA	7.3	7.0	7.2
PENN A-2	7.3	7.0	7.2
T-1	7.0	7.0	7.0
SRP-1BLTR3	6.7	6.0	6.3
PURE DISTINCTION (PST-OJO)	5.0	4.3	4.7
LSD VALUE	1.0	1.4	1.0
C.V. (%)	8.1	10.8	8.0

TABLE 23C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT BLACKSBURG, VA 1/
2013 DATA

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

NAME	JUN	SEP	MEAN
VILLA	8.7	8.7	8.7
SR 7200	8.3	8.7	8.5
LSD VALUE	1.0	1.4	1.0
C.V. (%)	4.8	8.2	4.8

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

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

TABLE 24A. MICRODOCHIUM PATCH RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT PUYALLUP, WA 1/
2013 DATA

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

NAME	JAN	FEB	MAR	MEAN
SR 7200	7.3	6.7	6.0	6.7
PROCLAMATION (LTP-FEC)	6.0	5.7	6.3	6.0
LUMINARY (A08-TDN2)	5.3	6.0	5.3	5.6
PENN A-1	5.7	5.3	5.7	5.6
PIN-UP (HTM)	6.0	5.3	5.3	5.6
PURE DISTINCTION (PST-OJO)	6.0	5.7	5.0	5.6
VILLA	6.3	5.0	5.0	5.4
V8	6.3	5.0	4.7	5.3
ALPHA	5.7	5.3	4.7	5.2
AUTHORITY	5.7	5.3	4.7	5.2
BARRACUDA (MVS-AP-101)	5.3	5.0	5.3	5.2
FOCUS (SRP-1GMC)	5.3	5.3	5.0	5.2
T-1	6.0	5.0	4.3	5.1
DECLARATION	5.3	5.0	4.7	5.0
PENN A-2	5.3	5.0	4.7	5.0
PENNCROSS	5.0	4.7	5.0	4.9
SRP-1BLTR3	5.0	5.0	4.3	4.8
AFM	5.3	4.3	4.0	4.6
L-93	4.0	4.0	4.3	4.1
LSD VALUE	2.1	2.5	2.6	2.1
C.V. (%)	16.0	17.6	19.1	15.2

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. MICRODOCHIUM PATCH RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT PUYALLUP, WA 1/
2013 DATA

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

NAME	JAN	FEB	MAR	MEAN
PROCLAMATION (LTP-FEC)	6.0	5.7	6.3	6.0
LUMINARY (A08-TDN2)	5.3	6.0	5.3	5.6
PENN A-1	5.7	5.3	5.7	5.6
PIN-UP (HTM)	6.0	5.3	5.3	5.6
PURE DISTINCTION (PST-OJO)	6.0	5.7	5.0	5.6
V8	6.3	5.0	4.7	5.3
ALPHA	5.7	5.3	4.7	5.2
AUTHORITY	5.7	5.3	4.7	5.2
BARRACUDA (MVS-AP-101)	5.3	5.0	5.3	5.2
FOCUS (SRP-1GMC)	5.3	5.3	5.0	5.2
T-1	6.0	5.0	4.3	5.1
DECLARATION	5.3	5.0	4.7	5.0
PENN A-2	5.3	5.0	4.7	5.0
PENNCROSS	5.0	4.7	5.0	4.9
SRP-1BLTR3	5.0	5.0	4.3	4.8
AFM	5.3	4.3	4.0	4.6
L-93	4.0	4.0	4.3	4.1
LSD VALUE	2.5	3.0	2.9	2.5
C.V. (%)	16.3	18.7	20.5	16.1

TABLE 24C. MICRODOCHIUM PATCH RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT PUYALLUP, WA 1/
2013 DATA

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

NAME	JAN	FEB	MAR	MEAN
SR 7200	7.3	6.7	6.0	6.7
VILLA	6.3	5.0	5.0	5.4
LSD VALUE	2.5	3.0	2.9	2.5
C.V. (%)	17.9	7.0	0.0	9.0

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

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