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.

Executive Director - Kevin N. Morris, National Turfgrass Evaluation Program, Inc.

CURRENT POLICY COMMITTEE MEMBERS:

Dr. Melodee Fraser, Pure-Seed Testing, Inc.
Mr. Paul Hedgpeth, Columbia River Seeds, Inc.
Dr. Mike Kenna, USGA Green Section
Dr. Doug Karcher, University of Arkansas
Dr. David Kopec, University of Arizona
Mr. Warren Bell, Biograss Sod Farms
Dr. Ken Diesburg, Southern Illinois University
Mr. Pat McClain, Burlingham Seeds
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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 2012

State	Location	Code
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
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

* COMMERCIALLY AVAILABLE IN THE USA IN 2013.

TABLE A. 2012 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	SILT LOAM AND SILT	6.6-7.0	61-150	151-240	3.1-4.0	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	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	SAND	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	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	SILT LOAM AND SILT	-	-	-	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	0.6-1.0	TO PREVENT DORMANCY
WA3	SAND	4.6-5.5	0-60	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY

TABLE B. LOCATIONS AND DATA COLLECTED IN 2012

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
KY1			X	X	X	X	X	X	X	X					
MA1			X	X	X	X	X	X	X	X	X			X	
MN1				X	X	X	X	X	X	X			X		
NC2	X	X	X	X	X	X	X	X					X		X
NJ1				X	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	X	
VA1			X	X	X	X	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 2012

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	WINTER COLOR	DOLLAR SPOT	RED THREAD	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	COPPER SPOT	UNIFORMITY RATINGS	DOLLAR SPOT JUNE	DOLLAR SPOT JULY	POA ANNUA FEB	POA ANNUA JUN	MICRODOCHIUM APR	MICRODOCHIUM NOV	MICRODOCHIUM DEC
AR1					X													
IL4								X										
IN1	X				X													
KY1				X														
* MA1																		
MN1																		
NC2		X																
NJ1			X		X					X								
PA1					X													
RI1			X			X			X		X	X	X					
UT1																		
VA1					X													
WA3					X		X	X						X	X	X	X	X

* MORE DATA FOR MA1 IN TABLR 3.

TABLE 1A. MEAN TURFGRASS QUALITY RATINGS OF 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 (AO8-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

*/ COMMERCIALLY AVAILABLE IN THE USA IN 2013

**/ 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 */
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 (AO8-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 1C. 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 2A. MEAN TURFGRASS QUALITY RATINGS OF 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
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

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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 */
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 2C. 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

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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 3A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2012 DATA

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

NAME	SPRING GREENUP	PERCENT PYTHIUM ROOT	DOLLAR SPOT COUNTS PER PLOT	WEAR TOLERANCE JUNE	WEAR TOLERANCE SEPTEMBER	QUALITY RATINGS MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
VILLA	8.0	50.0	0.3	7.7	7.7	6.7	5.7	6.7	8.0	6.7	7.0	7.3	7.3	5.7	6.8
LUMINARY (A08-TDN2)	6.3	46.7	4.3	5.7	7.7	6.7	5.3	6.0	6.7	6.3	6.3	7.0	7.0	6.3	6.4
PURE DISTINCTION (PST-OJO)	6.0	70.0	54.0	6.7	6.7	6.3	6.0	5.7	7.3	6.7	7.0	7.0	6.3	5.7	6.4
FOCUS (SRP-1GMC)	5.7	70.0	3.0	5.7	6.3	6.3	5.0	6.0	6.7	6.0	6.7	7.0	7.0	6.3	6.3
BARRACUDA (MVS-AP-101)	6.0	63.3	0.7	5.3	6.0	6.0	5.3	5.7	6.7	5.3	6.3	7.0	6.7	6.0	6.1
SR 7200	8.0	28.3	1.0	6.7	6.7	5.7	5.7	6.7	7.0	6.0	5.7	6.3	6.7	5.7	6.1
DECLARATION	5.7	63.3	2.7	5.7	5.3	6.3	5.0	5.7	6.7	5.7	5.3	6.3	7.0	6.3	6.0
PIN-UP (HTM)	4.7	70.0	6.7	7.0	6.3	5.3	5.0	6.0	6.3	6.0	6.3	6.7	6.7	6.0	6.0
V8	5.3	63.3	4.7	5.3	6.0	5.7	4.7	6.0	6.7	6.0	6.3	6.0	6.3	5.3	5.9
PROCLAMATION (LTP-FEC)	4.7	73.3	11.0	6.0	6.0	5.7	5.0	5.0	6.3	5.3	6.0	6.3	6.0	5.3	5.7
AFM	5.7	53.3	8.0	5.3	5.7	6.0	5.0	6.3	6.3	5.0	5.3	5.7	5.7	4.7	5.6
AUTHORITY	5.3	63.3	4.7	6.0	6.3	5.0	4.0	6.3	6.3	5.3	5.7	6.0	6.0	5.3	5.6
SRP-1BLTR3	4.7	73.3	20.3	6.3	6.0	5.7	4.7	5.3	5.7	4.7	6.7	6.0	6.0	5.3	5.6
T-1	5.0	73.3	14.3	6.3	6.3	5.7	4.0	6.0	6.3	5.3	5.3	6.0	6.0	5.3	5.6
PENN A-1	4.0	76.7	10.7	6.0	6.7	4.7	4.0	5.7	6.0	5.0	5.7	6.0	5.7	5.0	5.3
ALPHA	3.7	83.3	27.7	6.0	6.0	5.0	4.3	5.3	5.7	5.0	5.0	5.3	5.7	4.7	5.1
PENN A-2	5.3	66.7	11.3	5.3	5.7	4.7	4.0	5.7	5.3	5.0	5.3	5.7	5.7	4.3	5.1
L-93	3.7	80.0	7.7	6.0	5.3	5.3	3.3	5.3	5.3	5.0	4.7	5.3	5.3	5.0	5.0
PENNCROSS	3.3	63.3	3.0	5.3	4.7	4.3	3.0	4.3	4.0	4.0	4.0	4.0	4.0	3.3	3.9
LSD VALUE	2.0	18.5	6.6	1.5	1.1	1.1	0.7	0.8	0.9	0.7	0.8	1.1	1.0	1.0	0.5
C.V. (%)	21.7	16.7	42.7	12.2	10.4	10.7	9.1	7.8	9.1	8.0	8.6	10.5	9.4	10.9	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 3B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2012 DATA

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

NAME	SPRING GREENUP	PERCENT PYTHIUM ROOT	DOLLAR SPOT COUNTS PER PLOT	WEAR TOLERANCE JUNE	WEAR TOLERANCE SEPTEMBER	QUALITY RATINGS MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
LUMINARY (A08-TDN2)	6.3	46.7	4.3	5.7	7.7	6.7	5.3	6.0	6.7	6.3	6.3	7.0	7.0	6.3	6.4
PURE DISTINCTION (PST-OJO)	6.0	70.0	54.0	6.7	6.7	6.3	6.0	5.7	7.3	6.7	7.0	7.0	6.3	5.7	6.4
FOCUS (SRP-1GMC)	5.7	70.0	3.0	5.7	6.3	6.3	5.0	6.0	6.7	6.0	6.7	7.0	7.0	6.3	6.3
BARRACUDA (MVS-AP-101)	6.0	63.3	0.7	5.3	6.0	6.0	5.3	5.7	6.7	5.3	6.3	7.0	6.7	6.0	6.1
DECLARATION	5.7	63.3	2.7	5.7	5.3	6.3	5.0	5.7	6.7	5.7	5.3	6.3	7.0	6.3	6.0
PIN-UP (HTM)	4.7	70.0	6.7	7.0	6.3	5.3	5.0	6.0	6.3	6.0	6.3	6.7	6.7	6.0	6.0
V8	5.3	63.3	4.7	5.3	6.0	5.7	4.7	6.0	6.7	6.0	6.3	6.0	6.3	5.3	5.9
PROCLAMATION (LTP-FEC)	4.7	73.3	11.0	6.0	6.0	5.7	5.0	5.0	6.3	5.3	6.0	6.3	6.0	5.3	5.7
AFM	5.7	53.3	8.0	5.3	5.7	6.0	5.0	6.3	6.3	5.0	5.3	5.7	5.7	4.7	5.6
AUTHORITY	5.3	63.3	4.7	6.0	6.3	5.0	4.0	6.3	6.3	5.3	5.7	6.0	6.0	5.3	5.6
SRP-1BLTR3	4.7	73.3	20.3	6.3	6.0	5.7	4.7	5.3	5.7	4.7	6.7	6.0	6.0	5.3	5.6
T-1	5.0	73.3	14.3	6.3	6.3	5.7	4.0	6.0	6.3	5.3	5.3	6.0	6.0	5.3	5.6
PENN A-1	4.0	76.7	10.7	6.0	6.7	4.7	4.0	5.7	6.0	5.0	5.7	6.0	5.7	5.0	5.3
ALPHA	3.7	83.3	27.7	6.0	6.0	5.0	4.3	5.3	5.7	5.0	5.0	5.3	5.7	4.7	5.1
PENN A-2	5.3	66.7	11.3	5.3	5.7	4.7	4.0	5.7	5.3	5.0	5.3	5.7	5.7	4.3	5.1
L-93	3.7	80.0	7.7	6.0	5.3	5.3	3.3	5.3	5.3	5.0	4.7	5.3	5.3	5.0	5.0
PENNCROSS	3.3	63.3	3.0	5.3	4.7	4.3	3.0	4.3	4.0	4.0	4.0	4.0	4.0	3.3	3.9
LSD VALUE	2.6	22.0	6.9	1.9	1.1	1.1	0.6	0.8	1.0	0.7	0.8	0.8	1.0	1.0	0.5
C.V. (%)	23.1	15.6	39.9	12.6	9.9	11.1	9.0	8.0	9.9	8.3	8.8	8.6	9.4	11.0	5.5

TABLE 3C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2012 DATA

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

NAME	SPRING GREENUP	PERCENT PYTHIUM ROOT	DOLLAR SPOT COUNTS PER PLOT	WEAR TOLERANCE JUNE	WEAR TOLERANCE SEPTEMBER	QUALITY RATINGS MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
VILLA	8.0	50.0	0.3	7.7	7.7	6.7	5.7	6.7	8	6.7	7.0	7.3	7.3	5.7	6.8
SR 7200	8.0	28.3	1.0	6.7	6.7	5.7	5.7	6.7	7	6.0	5.7	6.3	6.7	5.7	6.1
LSD VALUE	2.6	22.0	6.9	1.9	1.1	1.1	0.6	0.8	1	0.7	0.8	0.8	1.0	1.0	0.5
C.V. (%)	15.3	40.7	220.8	9.9	17.1	0.0	12.5	0.0	0	6.4	6.4	20.7	11.7	12.5	6.9

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

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

TABLE 4A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN AT NORTH SHORE COUNTRY CLUB IN GLENVIEW, IL 1/
2012 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	FALL COLOR OCTOBER	QUALITY RATINGS APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PURE DISTINCTION (PST-OJO)	5.0	8.7	5.0	6.7	7.7	7.3	7.3	7.0	7.0	7.3	7.2
AFM	6.7	8.7	6.7	6.7	7.3	7.0	6.3	6.7	7.3	7.7	7.0
BARRACUDA (MVS-AP-101)	6.3	8.0	6.3	6.3	6.7	7.3	7.3	7.7	7.0	6.7	7.0
LUMINARY (A08-TDN2)	6.3	8.3	6.3	7.0	6.7	7.0	7.0	7.7	6.7	7.3	7.0
V8	5.7	7.7	5.7	6.3	7.0	7.0	7.7	7.0	7.0	6.3	6.9
FOCUS (SRP-1GMC)	6.3	8.3	6.3	7.3	7.0	6.7	6.3	7.3	6.3	6.3	6.8
DECLARATION	5.7	7.7	5.7	6.0	7.0	7.3	5.7	6.7	7.0	7.0	6.7
PIN-UP (HTM)	6.3	8.0	6.3	6.7	7.0	6.3	6.7	6.3	7.0	7.0	6.7
PROCLAMATION (LTP-FEC)	6.0	8.7	6.0	6.3	7.7	6.7	6.7	6.7	6.3	6.7	6.7
SRP-1BLTR3	6.3	8.3	6.3	6.0	6.0	7.0	7.3	7.0	7.0	6.3	6.7
AUTHORITY	6.3	7.7	6.3	6.0	6.7	6.7	7.0	6.0	7.0	7.0	6.6
PENN A-1	5.0	6.0	5.0	5.3	6.3	6.3	6.7	6.0	7.0	6.0	6.2
T-1	7.0	8.3	7.0	5.7	6.3	6.7	6.7	6.0	6.3	6.0	6.2
ALPHA	6.7	8.0	6.7	5.7	5.7	6.3	6.0	6.3	6.0	6.0	6.0
PENN A-2	5.0	7.7	5.0	6.3	4.7	6.0	6.3	6.7	6.3	6.0	6.0
L-93	6.0	8.3	6.0	4.7	6.0	6.3	6.0	6.3	5.3	5.7	5.8
PENNCROSS	4.0	6.0	4.0	4.7	4.3	4.0	4.0	4.7	4.3	4.3	4.3
VILLA	3.3	9.0	3.3	3.0	3.0	2.7	2.3	3.0	3.0	2.7	2.8
SR 7200	3.3	8.7	3.3	2.3	2.3	2.0	3.3	2.7	2.7	2.0	2.5
LSD VALUE	1.3	1.5	1.3	1.1	1.2	1.2	1.6	1.3	1.3	1.4	0.7
C.V. (%)	13.7	9.9	13.7	12.5	12.7	12.6	16.1	12.9	13.6	15.2	7.7

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

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

TABLE 4B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON A GREEN AT NORTH SHORE COUNTRY CLUB IN GLENVIEW, IL 1/
2012 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	FALL COLOR OCTOBER	QUALITY RATINGS APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
PURE DISTINCTION (PST-OJO)	5.0	8.7	5.0	6.7	7.7	7.3	7.3	7.0	7.0	7.3	7.2
AFM	6.7	8.7	6.7	6.7	7.3	7.0	6.3	6.7	7.3	7.7	7.0
BARRACUDA (MVS-AP-101)	6.3	8.0	6.3	6.3	6.7	7.3	7.3	7.7	7.0	6.7	7.0
LUMINARY (A08-TDN2)	6.3	8.3	6.3	7.0	6.7	7.0	7.0	7.7	6.7	7.3	7.0
V8	5.7	7.7	5.7	6.3	7.0	7.0	7.7	7.0	7.0	6.3	6.9
FOCUS (SRP-1GMC)	6.3	8.3	6.3	7.3	7.0	6.7	6.3	7.3	6.3	6.3	6.8
DECLARATION	5.7	7.7	5.7	6.0	7.0	7.3	5.7	6.7	7.0	7.0	6.7
PIN-UP (HTM)	6.3	8.0	6.3	6.7	7.0	6.3	6.7	6.3	7.0	7.0	6.7
PROCLAMATION (LTP-FEC)	6.0	8.7	6.0	6.3	7.7	6.7	6.7	6.7	6.3	6.7	6.7
SRP-1BLTR3	6.3	8.3	6.3	6.0	6.0	7.0	7.3	7.0	7.0	6.3	6.7
AUTHORITY	6.3	7.7	6.3	6.0	6.7	6.7	7.0	6.0	7.0	7.0	6.6
PENN A-1	5.0	6.0	5.0	5.3	6.3	6.3	6.7	6.0	7.0	6.0	6.2
T-1	7.0	8.3	7.0	5.7	6.3	6.7	6.7	6.0	6.3	6.0	6.2
ALPHA	6.7	8.0	6.7	5.7	5.7	6.3	6.0	6.3	6.0	6.0	6.0
PENN A-2	5.0	7.7	5.0	6.3	4.7	6.0	6.3	6.7	6.3	6.0	6.0
L-93	6.0	8.3	6.0	4.7	6.0	6.3	6.0	6.3	5.3	5.7	5.8
PENNCROSS	4.0	6.0	4.0	4.7	4.3	4.0	4.0	4.7	4.3	4.3	4.3
LSD VALUE	1.5	1.6	1.5	1.3	1.4	1.3	1.7	1.7	1.8	2.0	0.8
C.V. (%)	13.5	10.4	13.5	11.5	12.1	11.1	13.5	12.6	13.2	14.7	7.3

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/
2012 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	FALL COLOR OCTOBER	QUALITY RATINGS APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
VILLA	3.3	9.0	3.3	3.0	3.0	2.7	2.3	3.0	3.0	2.7	2.8
SR 7200	3.3	8.7	3.3	2.3	2.3	2.0	3.3	2.7	2.7	2.0	2.5
LSD VALUE	1.5	1.6	1.5	1.3	1.4	1.3	1.7	1.7	1.8	2.0	0.8
C.V. (%)	0.0	4.6	0.0	15.3	15.3	35.0	66.0	14.4	14.4	17.5	5.8

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

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

TABLE 5A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN AT PINEHURST RESORT IN PINEHURST, NC 1/
2012 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	DENSITY SUMMER	QUALITY RATINGS JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	MEAN
PIN-UP (HTM)	8.0	7.7	7.7	7.0	7.7	8.0	8.3	8.3	9.0	8.7	7.7	8.1
BARRACUDA (MVS-AP-101)	7.7	7.7	7.7	7.3	7.7	8.0	8.0	7.7	8.3	8.0	7.0	7.8
PURE DISTINCTION (PST-0JO)	8.3	8.0	7.7	7.0	7.7	8.0	8.0	8.3	8.7	7.0	5.3	7.5
V8	7.7	8.0	7.3	6.3	6.7	7.3	7.7	7.7	8.7	8.0	6.7	7.4
ALPHA	7.5	7.5	6.5	6.5	7.0	7.0	7.0	7.5	8.5	7.5	7.5	7.3
SRP-1BLTR3	7.0	7.3	7.7	6.0	6.3	7.3	7.7	7.7	8.3	7.3	6.3	7.1
AUTHORITY	7.3	7.0	7.0	5.7	6.3	7.3	7.3	7.0	8.0	7.7	7.0	7.0
LUMINARY (A08-TDN2)	7.3	7.3	7.0	6.0	6.7	6.7	7.3	7.0	7.7	8.0	7.0	7.0
PROCLAMATION (LTP-FEC)	7.7	7.7	6.7	6.0	6.3	6.7	7.3	7.7	8.3	7.0	6.7	7.0
T-1	7.7	7.3	6.3	6.7	7.3	7.3	7.0	6.7	7.7	7.0	5.3	6.9
DECLARATION	7.3	7.0	6.7	6.0	6.7	7.0	7.0	6.7	7.7	7.0	5.7	6.7
PENN A-1	7.7	7.0	6.7	5.3	5.3	6.3	7.0	7.3	7.3	7.7	6.7	6.6
AFM	6.7	7.0	6.3	6.0	6.0	6.3	6.7	7.0	7.3	6.3	5.7	6.4
FOCUS (SRP-1GMC)	7.0	6.7	6.7	5.7	5.7	5.7	5.7	6.0	7.3	6.3	6.7	6.1
L-93	6.0	5.7	6.3	5.3	5.7	5.7	5.7	6.0	7.3	6.7	5.7	6.0
PENN A-2	5.7	6.7	5.0	4.7	5.0	5.0	5.7	5.3	6.0	5.3	5.0	5.3
PENNCROSS	4.7	4.0	4.3	3.7	3.7	3.7	4.0	4.0	5.3	4.0	3.7	4.0
VILLA	3.3	9.0	6.0	3.7	3.7	4.3	4.0	3.7	4.0	4.0	4.0	3.9
SR 7200	3.0	9.0	6.7	4.0	4.0	3.3	3.7	3.7	4.0	3.7	3.0	3.7
LSD VALUE	1.2	0.6	1.7	1.2	1.3	1.6	1.3	1.1	0.9	1.2	1.5	0.8
C.V. (%)	11.0	5.3	13.1	12.8	13.2	15.0	12.2	10.5	8.0	11.8	15.7	8.2

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

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

TABLE 5B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON A GREEN AT PINEHURST RESORT IN PINEHURST, NC 1/
2012 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	DENSITY SUMMER	QUALITY RATINGS JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	MEAN
PIN-UP (HTM)	8.0	7.7	7.7	7.0	7.7	8.0	8.3	8.3	9.0	8.7	7.7	8.1
BARRACUDA (MVS-AP-101)	7.7	7.7	7.7	7.3	7.7	8.0	8.0	7.7	8.3	8.0	7.0	7.8
PURE DISTINCTION (PST-OJO)	8.3	8.0	7.7	7.0	7.7	8.0	8.0	8.3	8.7	7.0	5.3	7.5
V8	7.7	8.0	7.3	6.3	6.7	7.3	7.7	7.7	8.7	8.0	6.7	7.4
ALPHA	7.5	7.5	6.5	6.5	7.0	7.0	7.0	7.5	8.5	7.5	7.5	7.3
SRP-1BLTR3	7.0	7.3	7.7	6.0	6.3	7.3	7.7	7.7	8.3	7.3	6.3	7.1
AUTHORITY	7.3	7.0	7.0	5.7	6.3	7.3	7.3	7.0	8.0	7.7	7.0	7.0
LUMINARY (A08-TDN2)	7.3	7.3	7.0	6.0	6.7	6.7	7.3	7.0	7.7	8.0	7.0	7.0
PROCLAMATION (LTP-FEC)	7.7	7.7	6.7	6.0	6.3	6.7	7.3	7.7	8.3	7.0	6.7	7.0
T-1	7.7	7.3	6.3	6.7	7.3	7.3	7.0	6.7	7.7	7.0	5.3	6.9
DECLARATION	7.3	7.0	6.7	6.0	6.7	7.0	7.0	6.7	7.7	7.0	5.7	6.7
PENN A-1	7.7	7.0	6.7	5.3	5.3	6.3	7.0	7.3	7.3	7.7	6.7	6.6
AFM	6.7	7.0	6.3	6.0	6.0	6.3	6.7	7.0	7.3	6.3	5.7	6.4
FOCUS (SRP-1GMC)	7.0	6.7	6.7	5.7	5.7	5.7	5.7	6.0	7.3	6.3	6.7	6.1
L-93	6.0	5.7	6.3	5.3	5.7	5.7	5.7	6.0	7.3	6.7	5.7	6.0
PENN A-2	5.7	6.7	5.0	4.7	5.0	5.0	5.7	5.3	6.0	5.3	5.0	5.3
PENNCROSS	4.7	4.0	4.3	3.7	3.7	3.7	4.0	4.0	5.3	4.0	3.7	4.0
LSD VALUE	1.4	0.6	1.3	1.3	1.4	1.7	1.3	1.1	1.0	1.3	1.7	0.8
C.V. (%)	10.8	5.7	11.4	12.8	13.2	14.5	11.5	9.7	8.0	10.9	15.1	7.6

TABLE 5C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON A GREEN AT PINEHURST RESORT IN PINEHURST, NC 1/
2012 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	DENSITY SUMMER	QUALITY RATINGS JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	MEAN
VILLA	3.3	9.0	6.0	3.7	3.7	4.3	4.0	3.7	4	4.0	4.0	3.9
SR 7200	3.0	9.0	6.7	4.0	4.0	3.3	3.7	3.7	4	3.7	3.0	3.7
LSD VALUE	1.4	0.6	1.3	1.3	1.4	1.7	1.3	1.1	1	1.3	1.7	0.8
C.V. (%)	12.9	0.0	23.2	10.6	10.6	18.4	21.3	19.3	0	21.3	20.2	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 6A. GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	AR1	IN1	MN1	NJ1	UT1	VA1	WA3	MEAN
T-1	7.0	9.0	8.7	4.0	6.7	8.3	6.3	7.1
PIN-UP (HTM)	8.7	7.0	6.5	7.0	6.7	6.7	6.3	7.0
LUMINARY (A08-TDN2)	7.7	7.0	5.7	8.0	6.3	8.0	5.7	6.9
FOCUS (SRP-1GMC)	7.7	7.3	5.0	6.7	7.0	7.3	6.0	6.7
ALPHA	7.7	7.7	7.3	3.3	6.7	8.0	6.0	6.7
BARRACUDA (MVS-AP-101)	7.3	6.7	7.5	8.0	5.7	6.0	5.3	6.6
PENN A-1	7.3	7.3	5.7	4.0	8.0	7.3	6.0	6.5
PROCLAMATION (LTP-FEC)	8.0	6.7	5.7	5.0	6.7	7.3	6.0	6.5
PENN A-2	8.3	7.0	6.0	3.3	7.3	6.7	6.0	6.4
V8	8.0	6.0	4.7	6.3	5.7	8.0	5.7	6.3
L-93	7.7	7.3	6.7	3.7	6.0	6.7	6.0	6.3
AUTHORITY	7.3	6.3	4.0	6.0	6.7	7.0	5.3	6.1
AFM	8.3	6.3	4.7	5.3	5.0	7.0	5.3	6.0
DECLARATION	7.3	7.0	4.3	6.7	4.3	7.3	5.0	6.0
SRP-1BLTR3	7.3	7.0	3.0	5.3	7.0	6.7	5.3	6.0
PURE DISTINCTION (PST-0JO)	7.7	5.3	3.5	8.0	5.0	6.3	5.0	5.8
PENNCROSS	7.3	7.3	7.0	2.3	5.0	6.7	5.0	5.8
SR 7200	8.0	.	3.7	4.0	3.3	4.7	5.3	4.8
VILLA	8.3	.	2.0	3.0	3.3	4.0	5.7	4.4
LSD VALUE	1.0	0.8	1.9	1.2	1.6	1.2	1.0	0.5
C.V. (%)	7.8	7.3	20.8	14.5	16.9	10.6	11.0	12.6

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

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

TABLE 6B. GENETIC COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	AR1	IN1	MN1	NJ1	UT1	VA1	WA3	MEAN
T-1	7.0	9.0	8.7	4.0	6.7	8.3	6.3	7.1
PIN-UP (HTM)	8.7	7.0	6.5	7.0	6.7	6.7	6.3	7.0
LUMINARY (A08-TDN2)	7.7	7.0	5.7	8.0	6.3	8.0	5.7	6.9
FOCUS (SRP-1GMC)	7.7	7.3	5.0	6.7	7.0	7.3	6.0	6.7
ALPHA	7.7	7.7	7.3	3.3	6.7	8.0	6.0	6.7
BARRACUDA (MVS-AP-101)	7.3	6.7	7.5	8.0	5.7	6.0	5.3	6.6
PENN A-1	7.3	7.3	5.7	4.0	8.0	7.3	6.0	6.5
PROCLAMATION (LTP-FEC)	8.0	6.7	5.7	5.0	6.7	7.3	6.0	6.5
PENN A-2	8.3	7.0	6.0	3.3	7.3	6.7	6.0	6.4
V8	8.0	6.0	4.7	6.3	5.7	8.0	5.7	6.3
L-93	7.7	7.3	6.7	3.7	6.0	6.7	6.0	6.3
AUTHORITY	7.3	6.3	4.0	6.0	6.7	7.0	5.3	6.1
AFM	8.3	6.3	4.7	5.3	5.0	7.0	5.3	6.0
DECLARATION	7.3	7.0	4.3	6.7	4.3	7.3	5.0	6.0
SRP-1BLTR3	7.3	7.0	3.0	5.3	7.0	6.7	5.3	6.0
PURE DISTINCTION (PST-0JO)	7.7	5.3	3.5	8.0	5.0	6.3	5.0	5.8
PENNCROSS	7.3	7.3	7.0	2.3	5.0	6.7	5.0	5.8
LSD VALUE	1.0	0.8	1.6	1.2	1.7	1.2	1.0	0.5
C.V. (%)	8.1	7.3	16.4	14.0	16.7	10.6	11.1	12.0

TABLE 6C. GENETIC COLOR RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	AR1	MN1	NJ1	UT1	VA1	WA3	MEAN
SR 7200	8.0	3.7	4.0	3.3	4.7	5.3	4.8
VILLA	8.3	2.0	3.0	3.3	4.0	5.7	4.4
LSD VALUE	0.7	3.3	1.1	0.9	0.7	0.9	0.6
C.V. (%)	5.0	72.0	20.2	17.3	9.4	10.5	21.1

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

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

TABLE 7A. SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	NJ1	RI1	UT1	WA3	MEAN
VILLA	5.7	5.7	8.3	6.0	6.4
LUMINARY (A08-TDN2)	8.3	5.3	4.3	5.3	5.8
SR 7200	2.7	8.0	6.0	6.0	5.7
BARRACUDA (MVS-AP-101)	7.0	6.0	4.3	5.0	5.6
PIN-UP (HTM)	6.3	5.3	5.3	5.3	5.6
AFM	6.3	4.7	5.7	5.0	5.4
V8	8.0	4.0	4.7	5.0	5.4
DECLARATION	6.7	5.3	4.0	5.0	5.3
FOCUS (SRP-1GMC)	7.3	3.7	4.0	5.3	5.1
PROCLAMATION (LTP-FEC)	5.3	4.3	5.3	5.3	5.1
AUTHORITY	7.0	4.3	3.0	5.0	4.8
PURE DISTINCTION (PST-OJO)	8.7	4.3	1.7	4.7	4.8
SRP-1BLTR3	6.3	5.0	2.7	5.0	4.8
T-1	4.0	4.3	4.7	4.7	4.4
ALPHA	3.3	3.7	5.3	4.7	4.3
PENN A-2	4.7	4.0	4.0	4.0	4.2
PENN A-1	4.3	4.7	2.3	4.7	4.0
L-93	3.3	3.0	4.3	4.0	3.7
PENNCROSS	3.3	4.0	3.3	4.0	3.7
LSD VALUE	1.6	1.5	1.7	0.7	0.7
C.V. (%)	17.5	19.1	24.3	8.9	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 7B. SPRING GREENUP RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	NJ1	RI1	UT1	WA3	MEAN
LUMINARY (A08-TDN2)	8.3	5.3	4.3	5.3	5.8
BARRACUDA (MVS-AP-101)	7.0	6.0	4.3	5.0	5.6
PIN-UP (HTM)	6.3	5.3	5.3	5.3	5.6
AFM	6.3	4.7	5.7	5.0	5.4
V8	8.0	4.0	4.7	5.0	5.4
DECLARATION	6.7	5.3	4.0	5.0	5.3
FOCUS (SRP-1GMC)	7.3	3.7	4.0	5.3	5.1
PROCLAMATION (LTP-FEC)	5.3	4.3	5.3	5.3	5.1
AUTHORITY	7.0	4.3	3.0	5.0	4.8
PURE DISTINCTION (PST-OJO)	8.7	4.3	1.7	4.7	4.8
SRP-1BLTR3	6.3	5.0	2.7	5.0	4.8
T-1	4.0	4.3	4.7	4.7	4.4
ALPHA	3.3	3.7	5.3	4.7	4.3
PENN A-2	4.7	4.0	4.0	4.0	4.2
PENN A-1	4.3	4.7	2.3	4.7	4.0
L-93	3.3	3.0	4.3	4.0	3.7
PENNCROSS	3.3	4.0	3.3	4.0	3.7
LSD VALUE	1.6	1.4	1.8	0.7	0.7
C.V. (%)	17.1	19.6	26.9	9.6	18.6

TABLE 7C. SPRING GREENUP RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	NJ1	RI1	UT1	WA3	MEAN
VILLA	5.7	5.7	8.3	6	6.4
SR 7200	2.7	8.0	6.0	6	5.7
LSD VALUE	1.5	1.7	1.3	0	0.7
C.V. (%)	21.9	15.8	11.4	0	13.5

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

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

TABLE 8A. LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	AR1	IN1	NJ1	MEAN
PURE DISTINCTION (PST-OJO)	8.3	8.7	8.7	8.6
VILLA	7.7	.	9.0	8.3
V8	8.7	8.3	7.7	8.2
AUTHORITY	8.3	8.0	6.7	7.7
LUMINARY (A08-TDN2)	8.0	7.0	8.0	7.7
FOCUS (SRP-1GMC)	7.3	7.3	8.0	7.6
SR 7200	7.3	.	7.7	7.5
BARRACUDA (MVS-AP-101)	7.7	7.0	7.7	7.4
PIN-UP (HTM)	7.7	7.0	7.0	7.2
T-1	7.7	7.7	6.3	7.2
DECLARATION	7.0	7.3	7.3	7.2
PROCLAMATION (LTP-FEC)	7.3	6.7	7.3	7.1
SRP-1BLTR3	8.0	7.0	5.7	6.9
PENN A-1	7.7	7.0	5.0	6.6
PENN A-2	7.3	6.3	6.0	6.6
AFM	7.0	7.0	5.0	6.3
ALPHA	7.7	6.7	4.7	6.3
L-93	6.0	6.7	3.7	5.4
PENNCROSS	4.3	5.0	2.3	3.9
LSD VALUE	1.3	0.8	1.9	0.8
C.V. (%)	10.6	6.8	18.3	12.6

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

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

TABLE 8B. LEAF TEXTURE RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	AR1	IN1	NJ1	MEAN
PURE DISTINCTION (PST-OJO)	8.3	8.7	8.7	8.6
V8	8.7	8.3	7.7	8.2
AUTHORITY	8.3	8.0	6.7	7.7
LUMINARY (A08-TDN2)	8.0	7.0	8.0	7.7
FOCUS (SRP-1GMC)	7.3	7.3	8.0	7.6
BARRACUDA (MVS-AP-101)	7.7	7.0	7.7	7.4
PIN-UP (HTM)	7.7	7.0	7.0	7.2
T-1	7.7	7.7	6.3	7.2
DECLARATION	7.0	7.3	7.3	7.2
PROCLAMATION (LTP-FEC)	7.3	6.7	7.3	7.1
SRP-1BLTR3	8.0	7.0	5.7	6.9
PENN A-1	7.7	7.0	5.0	6.6
PENN A-2	7.3	6.3	6.0	6.6
AFM	7.0	7.0	5.0	6.3
ALPHA	7.7	6.7	4.7	6.3
L-93	6.0	6.7	3.7	5.4
PENNCROSS	4.3	5.0	2.3	3.9
LSD VALUE	0.9	0.8	2.0	0.8
C.V. (%)	7.3	6.8	19.5	11.9

TABLE 8C. LEAF TEXTURE RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	AR1	NJ1	MEAN
VILLA	7.7	9.0	8.3
SR 7200	7.3	7.7	7.5
LSD VALUE	2.9	1.3	1.6
C.V. (%)	24.3	9.8	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 9B. SPRING DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	IN1
V8	9.0
PURE DISTINCTION (PST-OJO)	8.7
ALPHA	8.3
T-1	8.3
AUTHORITY	8.0
LUMINARY (A08-TDN2)	8.0
L-93	7.7
PENN A-1	7.7
PIN-UP (HTM)	7.7
SRP-1BLTR3	7.7
AFM	7.3
BARRACUDA (MVS-AP-101)	7.3
DECLARATION	7.3
PROCLAMATION (LTP-FEC)	7.3
FOCUS (SRP-1GMC)	7.0
PENN A-2	7.0
PENNCROSS	6.0
LSD VALUE	1.4
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.

TABLE 10A. FALL DENSITY RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	NJ1	RI1	MEAN
VILLA	7.7	9.0	8.3
PURE DISTINCTION (PST-OJO)	8.0	8.0	8.0
V8	7.3	7.3	7.3
DECLARATION	5.7	6.7	6.2
SR 7200	5.3	7.0	6.2
AUTHORITY	5.3	6.7	6.0
LUMINARY (A08-TDN2)	6.7	5.3	6.0
PIN-UP (HTM)	6.0	6.0	6.0
SRP-1BLTR3	5.3	6.3	5.8
PROCLAMATION (LTP-FEC)	5.0	6.3	5.7
T-1	5.3	5.7	5.5
BARRACUDA (MVS-AP-101)	6.7	4.0	5.3
FOCUS (SRP-1GMC)	5.3	5.0	5.2
PENN A-2	3.7	5.7	4.7
AFM	4.3	5.0	4.7
PENN A-1	3.3	5.7	4.5
ALPHA	2.3	5.7	4.0
L-93	3.0	4.0	3.5
PENNCROSS	1.3	3.0	2.2
LSD VALUE	1.7	1.4	1.1
C.V. (%)	20.9	14.4	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.

TABLE 10B. FALL DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	NJ1	RI1	MEAN
PURE DISTINCTION (PST-0JO)	8.0	8.0	8.0
V8	7.3	7.3	7.3
DECLARATION	5.7	6.7	6.2
AUTHORITY	5.3	6.7	6.0
LUMINARY (A08-TDN2)	6.7	5.3	6.0
PIN-UP (HTM)	6.0	6.0	6.0
SRP-1BLTR3	5.3	6.3	5.8
PROCLAMATION (LTP-FEC)	5.0	6.3	5.7
T-1	5.3	5.7	5.5
BARRACUDA (MVS-AP-101)	6.7	4.0	5.3
FOCUS (SRP-1GMC)	5.3	5.0	5.2
PENN A-2	3.7	5.7	4.7
AFM	4.3	5.0	4.7
PENN A-1	3.3	5.7	4.5
ALPHA	2.3	5.7	4.0
L-93	3.0	4.0	3.5
PENNCROSS	1.3	3.0	2.2
LSD VALUE	1.8	1.4	1.1
C.V. (%)	22.5	15.3	18.8

TABLE 10C. FALL DENSITY RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	NJ1	RI1	MEAN
VILLA	7.7	9.0	8.3
SR 7200	5.3	7.0	6.2
LSD VALUE	0.9	1.1	0.7
C.V. (%)	8.9	8.8	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 11A. WINTER COLOR RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	KY1
T-1	6.3
BARRACUDA (MVS-AP-101)	6.0
PIN-UP (HTM)	6.0
SRP-1BLTR3	6.0
AFM	5.7
AUTHORITY	5.7
DECLARATION	5.7
LUMINARY (A08-TDN2)	5.7
PENN A-2	5.3
PROCLAMATION (LTP-FEC)	5.3
PURE DISTINCTION (PST-OJO)	5.3
V8	5.3
L-93	5.0
PENN A-1	4.7
ALPHA	4.3
FOCUS (SRP-1GMC)	4.3
PENNCROSS	4.0
SR 7200	1.3
VILLA	1.0
LSD VALUE	1.2
C.V. (%)	15.8

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

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

TABLE 11B. WINTER COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	KY1
T-1	6.3
BARRACUDA (MVS-AP-101)	6.0
PIN-UP (HTM)	6.0
SRP-1BLTR3	6.0
AFM	5.7
AUTHORITY	5.7
DECLARATION	5.7
LUMINARY (A08-TDN2)	5.7
PENN A-2	5.3
PROCLAMATION (LTP-FEC)	5.3
PURE DISTINCTION (PST-OJO)	5.3
V8	5.3
L-93	5.0
PENN A-1	4.7
ALPHA	4.3
FOCUS (SRP-1GMC)	4.3
PENNCROSS	4.0
LSD VALUE	1.3
C.V. (%)	15.1

TABLE 11C. WINTER COLOR RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	KY1
SR 7200	1.3
VILLA	1.0
LSD VALUE	0.7
C.V. (%)	35.0

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 12A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	AR1	IN1	NJ1	PA1	VA1	WA3	MEAN
DECLARATION	8.7	9.0	7.0	9.0	8.7	7.7	8.3
SR 7200	9.0	.	6.3	9.0	9.0	8.3	8.3
VILLA	8.7	.	6.7	9.0	9.0	8.3	8.3
BARRACUDA (MVS-AP-101)	9.0	9.0	6.3	8.7	8.0	7.7	8.1
FOCUS (SRP-1GMC)	9.0	9.0	7.0	8.7	7.7	7.0	8.1
AFM	9.0	9.0	6.3	8.3	8.0	7.3	8.0
V8	9.0	9.0	5.3	8.7	8.0	7.7	7.9
LUMINARY (A08-TDN2)	8.7	9.0	7.0	7.7	8.0	7.0	7.9
PROCLAMATION (LTP-FEC)	9.0	9.0	5.3	6.7	9.0	7.7	7.8
PIN-UP (HTM)	8.7	9.0	5.3	8.0	7.7	7.0	7.6
ALPHA	8.3	9.0	5.7	7.0	7.7	7.0	7.4
L-93	8.7	9.0	5.7	6.0	8.0	7.3	7.4
PENN A-1	8.7	9.0	5.3	6.0	7.7	7.7	7.4
AUTHORITY	7.7	9.0	5.3	7.0	7.0	7.3	7.2
PENNCROSS	8.3	9.0	6.7	5.0	7.7	5.3	7.0
PENN A-2	8.3	9.0	5.3	5.0	7.7	6.3	6.9
T-1	8.0	7.3	4.7	5.3	6.3	5.3	6.2
PURE DISTINCTION (PST-0J0)	7.0	8.7	5.0	3.3	5.3	4.3	5.6
SRP-1BLTR3	6.7	8.3	4.0	2.3	6.3	5.3	5.5
LSD VALUE	1.0	0.4	1.0	1.7	0.9	1.8	0.5
C.V. (%)	7.5	2.7	10.9	15.6	7.5	16.2	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 12B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	AR1	IN1	NJ1	PA1	VA1	WA3	MEAN
DECLARATION	8.7	9.0	7.0	9.0	8.7	7.7	8.3
BARRACUDA (MVS-AP-101)	9.0	9.0	6.3	8.7	8.0	7.7	8.1
FOCUS (SRP-1GMC)	9.0	9.0	7.0	8.7	7.7	7.0	8.1
AFM	9.0	9.0	6.3	8.3	8.0	7.3	8.0
V8	9.0	9.0	5.3	8.7	8.0	7.7	7.9
LUMINARY (A08-TDN2)	8.7	9.0	7.0	7.7	8.0	7.0	7.9
PROCLAMATION (LTP-FEC)	9.0	9.0	5.3	6.7	9.0	7.7	7.8
PIN-UP (HTM)	8.7	9.0	5.3	8.0	7.7	7.0	7.6
ALPHA	8.3	9.0	5.7	7.0	7.7	7.0	7.4
L-93	8.7	9.0	5.7	6.0	8.0	7.3	7.4
PENN A-1	8.7	9.0	5.3	6.0	7.7	7.7	7.4
AUTHORITY	7.7	9.0	5.3	7.0	7.0	7.3	7.2
PENNCROSS	8.3	9.0	6.7	5.0	7.7	5.3	7.0
PENN A-2	8.3	9.0	5.3	5.0	7.7	6.3	6.9
T-1	8.0	7.3	4.7	5.3	6.3	5.3	6.2
PURE DISTINCTION (PST-0JO)	7.0	8.7	5.0	3.3	5.3	4.3	5.6
SRP-1BLTR3	6.7	8.3	4.0	2.3	6.3	5.3	5.5
LSD VALUE	1.1	0.4	1.0	1.8	1.0	1.9	0.5
C.V. (%)	7.8	2.7	10.4	17.2	8.1	17.3	11.0

TABLE 12C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	AR1	NJ1	PA1	VA1	WA3	MEAN
SR 7200	9.0	6.3	9	9	8.3	8.3
VILLA	8.7	6.7	9	9	8.3	8.3
LSD VALUE	0.7	1.5	0	0	0.9	0.4
C.V. (%)	4.6	14.0	0	0	6.9	6.2

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

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

TABLE 13A. RED THREAD RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

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-0JO)	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.

TABLE 13B. RED THREAD RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

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 13C. RED THREAD RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

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.

TABLE 14A. FALL COLOR (SEPTEMBER) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	WA3
ALPHA	7.0
PENN A-1	7.0
AUTHORITY	6.7
LUMINARY (A08-TDN2)	6.7
PENN A-2	6.7
PENNCROSS	6.7
T-1	6.7
DECLARATION	6.3
FOCUS (SRP-1GMC)	6.3
L-93	6.3
PIN-UP (HTM)	6.3
PROCLAMATION (LTP-FEC)	6.3
V8	6.3
BARRACUDA (MVS-AP-101)	6.0
PURE DISTINCTION (PST-0JO)	6.0
SRP-1BLTR3	6.0
AFM	5.7
SR 7200	5.0
VILLA	5.0
LSD VALUE	0.7
C.V. (%)	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 14B. FALL COLOR (SEPTEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	WA3
ALPHA	7.0
PENN A-1	7.0
AUTHORITY	6.7
LUMINARY (A08-TDN2)	6.7
PENN A-2	6.7
PENNCROSS	6.7
T-1	6.7
DECLARATION	6.3
FOCUS (SRP-1GMC)	6.3
L-93	6.3
PIN-UP (HTM)	6.3
PROCLAMATION (LTP-FEC)	6.3
V8	6.3
BARRACUDA (MVS-AP-101)	6.0
PURE DISTINCTION (PST-0JO)	6.0
SRP-1BLTR3	6.0
AFM	5.7
LSD VALUE	0.8
C.V. (%)	7.6

TABLE 14C. FALL COLOR (SEPTEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	WA3
SR 7200	5
VILLA	5
LSD VALUE	0
C.V. (%)	0

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

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

TABLE 15A. FALL COLOR (OCTOBER) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	WA3
ALPHA	6.7
LUMINARY (A08-TDN2)	6.7
PENNCROSS	6.7
PIN-UP (HTM)	6.7
PROCLAMATION (LTP-FEC)	6.7
T-1	6.7
V8	6.7
PENN A-2	6.3
SR 7200	6.3
AFM	6.0
AUTHORITY	6.0
BARRACUDA (MVS-AP-101)	6.0
DECLARATION	6.0
FOCUS (SRP-1GMC)	6.0
L-93	6.0
PURE DISTINCTION (PST-0JO)	6.0
SRP-1BLTR3	6.0
PENN A-1	5.7
VILLA	5.7
LSD VALUE	1.0
C.V. (%)	9.5

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

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

TABLE 15B. FALL COLOR (OCTOBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	WA3
ALPHA	6.7
LUMINARY (A08-TDN2)	6.7
PENNCROSS	6.7
PIN-UP (HTM)	6.7
PROCLAMATION (LTP-FEC)	6.7
T-1	6.7
V8	6.7
PENN A-2	6.3
AFM	6.0
AUTHORITY	6.0
BARRACUDA (MVS-AP-101)	6.0
DECLARATION	6.0
FOCUS (SRP-1GMC)	6.0
L-93	6.0
PURE DISTINCTION (PST-0JO)	6.0
SRP-1BLTR3	6.0
PENN A-1	5.7
LSD VALUE	0.9
C.V. (%)	8.6

TABLE 15C. FALL COLOR (OCTOBER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	WA3
SR 7200	6.3
VILLA	5.7
LSD VALUE	1.5
C.V. (%)	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 16A. FALL COLOR (NOVEMBER) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	RI1
PENN A-1	9.0
LUMINARY (A08-TDN2)	8.7
AUTHORITY	8.0
PENN A-2	7.7
PROCLAMATION (LTP-FEC)	7.7
PURE DISTINCTION (PST-OJO)	7.7
AFM	7.3
FOCUS (SRP-1GMC)	7.3
SRP-1BLTR3	7.3
T-1	7.3
V8	7.3
ALPHA	7.0
BARRACUDA (MVS-AP-101)	7.0
DECLARATION	6.7
VILLA	6.7
L-93	6.3
PENNCROSS	6.3
PIN-UP (HTM)	6.3
SR 7200	3.7
LSD VALUE	1.7
C.V. (%)	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 16B. FALL COLOR (NOVEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	RI1
PENN A-1	9.0
LUMINARY (A08-TDN2)	8.7
AUTHORITY	8.0
PENN A-2	7.7
PROCLAMATION (LTP-FEC)	7.7
PURE DISTINCTION (PST-OJO)	7.7
AFM	7.3
FOCUS (SRP-1GMC)	7.3
SRP-1BLTR3	7.3
T-1	7.3
V8	7.3
ALPHA	7.0
BARRACUDA (MVS-AP-101)	7.0
DECLARATION	6.7
L-93	6.3
PENNCROSS	6.3
PIN-UP (HTM)	6.3
LSD VALUE	1.7
C.V. (%)	13.9

TABLE 16C. FALL COLOR (NOVEMBER) RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	RI1
VILLA	6.7
SR 7200	3.7
LSD VALUE	1.5
C.V. (%)	17.7

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

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

TABLE 17A. COPPER SPOT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	NJ1
L-93	7.7
ALPHA	7.0
PENNCROSS	7.0
LUMINARY (A08-TDN2)	6.3
PROCLAMATION (LTP-FEC)	6.0
DECLARATION	5.7
T-1	5.7
AFM	5.3
V8	5.3
PENN A-1	5.0
PENN A-2	5.0
PIN-UP (HTM)	5.0
FOCUS (SRP-1GMC)	4.7
SR 7200	4.7
AUTHORITY	4.3
BARRACUDA (MVS-AP-101)	4.3
PURE DISTINCTION (PST-OJO)	4.3
SRP-1BLTR3	3.3
VILLA	3.3
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.

TABLE 17B. COPPER SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	NJ1
L-93	7.7
ALPHA	7.0
PENNCROSS	7.0
LUMINARY (A08-TDN2)	6.3
PROCLAMATION (LTP-FEC)	6.0
DECLARATION	5.7
T-1	5.7
AFM	5.3
V8	5.3
PENN A-1	5.0
PENN A-2	5.0
PIN-UP (HTM)	5.0
FOCUS (SRP-1GMC)	4.7
AUTHORITY	4.3
BARRACUDA (MVS-AP-101)	4.3
PURE DISTINCTION (PST-OJO)	4.3
SRP-1BLTR3	3.3
LSD VALUE	2.1
C.V. (%)	24.0

TABLE 17C. COPPER SPOT RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	NJ1
SR 7200	4.7
VILLA	3.3
LSD VALUE	2.9
C.V. (%)	45.6

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 18A. TURF UNIFORMITY RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	RI1
FOCUS (SRP-1GMC)	8.3
DECLARATION	8.0
AUTHORITY	7.7
AFM	7.3
PIN-UP (HTM)	7.0
SR 7200	7.0
V8	7.0
PROCLAMATION (LTP-FEC)	6.7
BARRACUDA (MVS-AP-101)	6.5
ALPHA	6.3
LUMINARY (A08-TDN2)	6.3
PENN A-1	6.3
PURE DISTINCTION (PST-OJO)	6.3
SRP-1BLTR3	6.3
L-93	5.7
VILLA	5.3
PENN A-2	5.0
T-1	4.7
PENNCROSS	3.3
LSD VALUE	2.3
C.V. (%)	22.4

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 18B. TURF UNIFORMITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	RI1
FOCUS (SRP-1GMC)	8.3
DECLARATION	8.0
AUTHORITY	7.7
AFM	7.3
PIN-UP (HTM)	7.0
V8	7.0
PROCLAMATION (LTP-FEC)	6.7
BARRACUDA (MVS-AP-101)	6.5
ALPHA	6.3
LUMINARY (AO8-TDN2)	6.3
PENN A-1	6.3
PURE DISTINCTION (PST-OJO)	6.3
SRP-1BLTR3	6.3
L-93	5.7
PENN A-2	5.0
T-1	4.7
PENNCROSS	3.3
LSD VALUE	2.4
C.V. (%)	23.2

TABLE 18C. TURF UNIFORMITY RATINGS OF VELVET BENTGRASS CULTIVARS 1/
GROWN ON A GREEN
2012 DATA

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

NAME	RI1
SR 7200	7.0
VILLA	5.3
LSD VALUE	1.3
C.V. (%)	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 19A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS
GROWN ON A GREEN AT KINGSTON, RI 1/
2012 DATA

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

NAME	JUNE	JULY	MEAN
DECLARATION	7.7	9.0	8.3
VILLA	5.0	9.0	7.7
T-1	6.3	6.7	6.5
SR 7200	3.7	9.0	6.3
LUMINARY (A08-TDN2)	5.0	7.0	6.0
AFM	5.0	6.7	5.8
FOCUS (SRP-1GMC)	4.3	7.3	5.8
AUTHORITY	5.0	6.3	5.7
PROCLAMATION (LTP-FEC)	5.3	6.0	5.7
V8	3.7	7.0	5.3
PIN-UP (HTM)	4.0	5.3	4.7
ALPHA	3.7	5.3	4.5
BARRACUDA (MVS-AP-101)	5.5	3.5	4.5
L-93	2.7	5.3	4.0
PENN A-1	2.0	5.3	3.7
PURE DISTINCTION (PST-0JO)	2.0	5.0	3.5
PENN A-2	2.7	4.0	3.3
SRP-1BLTR3	2.7	3.3	3.0
PENNCROSS	1.0	2.3	1.7
LSD VALUE	4.3	1.7	2.4
C.V. (%)	49.0	18.1	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 19B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON A GREEN AT KINGSTON, RI 1/
2012 DATA

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

NAME	JUNE	JULY	MEAN
DECLARATION	7.7	9.0	8.3
T-1	6.3	6.7	6.5
LUMINARY (A08-TDN2)	5.0	7.0	6.0
AFM	5.0	6.7	5.8
FOCUS (SRP-1GMC)	4.3	7.3	5.8
AUTHORITY	5.0	6.3	5.7
PROCLAMATION (LTP-FEC)	5.3	6.0	5.7
V8	3.7	7.0	5.3
PIN-UP (HTM)	4.0	5.3	4.7
ALPHA	3.7	5.3	4.5
BARRACUDA (MVS-AP-101)	5.5	3.5	4.5
L-93	2.7	5.3	4.0
PENN A-1	2.0	5.3	3.7
PURE DISTINCTION (PST-OJO)	2.0	5.0	3.5
PENN A-2	2.7	4.0	3.3
SRP-1BLTR3	2.7	3.3	3.0
PENNCROSS	1.0	2.3	1.7
LSD VALUE	4.2	1.9	2.5
C.V. (%)	50.0	20.2	28.7

TABLE 19C. DOLLAR SPOT RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON A GREEN AT KINGSTON, RI 1/
2012 DATA

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

NAME	JUNE	JULY	MEAN
VILLA	5.0	9.0	7.7
SR 7200	3.7	9.0	6.3
LSD VALUE	4.2	1.9	2.5
C.V. (%)	0.0	0.0	5.8

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

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

TABLE 20A. POA ANNUA RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN AT PUYALLUP, WA 1/
2012 DATA

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

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.

TABLE 20B. POA ANNUA RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A GREEN AT PUYALLUP, WA 1/
2012 DATA

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

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 20C. POA ANNUA RATINGS OF VELVET BENTGRASS CULTIVARS
GROWN ON A GREEN AT PUYALLUP, WA 1/
2012 DATA

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

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.

TABLE 21A. MICRODOCHIUM PATCH RATINGS OF BENTGRASS CULTIVARS GROWN ON A GREEN AT PUYALLUP, WA 1/
2012 DATA

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

NAME	APRIL	NOVEMBER	DECEMBER	MEAN
VILLA	8.7	8.0	7.0	7.9
SR 7200	8.3	7.7	7.3	7.8
PENN A-2	9.0	6.7	6.3	7.3
PENN A-1	9.0	7.0	5.7	7.2
V8	7.0	7.7	7.0	7.2
PIN-UP (HTM)	8.3	6.3	6.3	7.0
PROCLAMATION (LTP-FEC)	8.7	6.7	5.7	7.0
AFM	8.3	6.3	5.7	6.8
AUTHORITY	7.3	6.7	6.3	6.8
BARRACUDA (MVS-AP-101)	7.3	6.7	6.3	6.8
FOCUS (SRP-1GMC)	8.0	6.3	6.0	6.8
LUMINARY (A08-TDN2)	8.3	6.7	5.3	6.8
T-1	8.7	5.7	6.0	6.8
DECLARATION	8.3	6.0	5.7	6.7
ALPHA	8.3	5.3	5.7	6.4
L-93	7.7	5.7	5.7	6.3
PENNCROSS	8.3	5.0	5.3	6.2
PURE DISTINCTION (PST-0J0)	7.7	5.0	6.0	6.2
SRP-1BLTR3	7.7	5.3	5.3	6.1
LSD VALUE	3.2	1.0	1.8	1.3
C.V. (%)	12.8	9.3	13.0	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. MICRODOCHIUM PATCH RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON A GREEN AT PUYALLUP, WA 1/
2012 DATA

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

NAME	APRIL	NOVEMBER	DECEMBER	MEAN
PENN A-2	9.0	6.7	6.3	7.3
PENN A-1	9.0	7.0	5.7	7.2
V8	7.0	7.7	7.0	7.2
PIN-UP (HTM)	8.3	6.3	6.3	7.0
PROCLAMATION (LTP-FEC)	8.7	6.7	5.7	7.0
AFM	8.3	6.3	5.7	6.8
AUTHORITY	7.3	6.7	6.3	6.8
BARRACUDA (MVS-AP-101)	7.3	6.7	6.3	6.8
FOCUS (SRP-1GMC)	8.0	6.3	6.0	6.8
LUMINARY (A08-TDN2)	8.3	6.7	5.3	6.8
T-1	8.7	5.7	6.0	6.8
DECLARATION	8.3	6.0	5.7	6.7
ALPHA	8.3	5.3	5.7	6.4
L-93	7.7	5.7	5.7	6.3
PENNCROSS	8.3	5.0	5.3	6.2
PURE DISTINCTION (PST-0J0)	7.7	5.0	6.0	6.2
SRP-1BLTR3	7.7	5.3	5.3	6.1
LSD VALUE	3.2	1.1	2.0	1.6
C.V. (%)	13.3	10.0	12.6	8.8

TABLE 21C. MICRODOCHIUM PATCH RATINGS OF VELVET BENTGRASS CULTIVARS GROWN ON A GREEN AT PUYALLUP, WA 1/
2012 DATA

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

NAME	APRIL	NOVEMBER	DECEMBER	MEAN
VILLA	8.7	8.0	7.0	7.9
SR 7200	8.3	7.7	7.3	7.8
LSD VALUE	.	.	.	.
C.V. (%)	4.8	5.2	15.1	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.