

## **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 2001 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>.

2014 NATIONAL BENTGRASS TEST  
(Fairway/Tee)

LOCATIONS SUBMITTING DATA FOR 2015

State	Location	Code
Arkansas	Fayetteville (Traffic)	AR2
California	Riverside (Reduced Irrigation)	CA3
Illinois	Urbana	IL1
Indiana	West Lafayette (Reduced Irrigation)	IN1
Iowa	Ames	IA1
Kansas	Manhattan	KS1
Kentucky	Lexington	KY1
Massachusetts	Amherst (Traffic)	MA1
Maryland	College Park	MD1
Michigan	East Lansing	MI1
Missouri	Columbia	MO1
New Jersey	North Brunswick	NJ1
North Dakota	Fargo	ND1
Utah	Logan	UT1
Virginia	Blacksburg	VA1
Virginia	Blacksburg (Traffic)	VA2
Washington	Pullman	WA1



## 2014 NATIONAL BENTGRASS TEST (Fairway/Tee)

### Entries and Sponsors

Entry No	Name	Species	Sponsor
1	DLFPS-AT/3026	Colonial	DLF Pickseed USA
*2	007	Creeping	Standard
*3	Penncross	Creeping	Standard
*4	Crystal Blue Links	Creeping	Standard
*5	Greentime	Colonial	Standard
*6	L-93XD	Creeping	Jacklin Seed by Simplot®
*7	Armor	Creeping	Jacklin Seed by Simplot®
*8	Kingdom	Creeping	Jacklin Seed by Simplot®
*9	Nightlife	Creeping	Jacklin Seed by Simplot®
*10	V-8	Creeping	Jacklin Seed by Simplot®
11	Piranha (DC-1)	Creeping	Mountain View Seeds & Toyo Green Co. Ltd.
12	Musket (PPG-AT 104)	Colonial	Mountain View Seeds
13	Chinook (H10G-OP)	Creeping	Vista Seed Partners LLC
*14	Shark	Creeping	Mountain View Seeds
*15	Barracuda	Creeping	Mountain View Seeds
16	PST-0RBS	Creeping	Pure Seed Testing Inc
17	PST-0CV6	Creeping	Pure Seed Testing Inc

\* Commercially Available in the USA in 2016

TABLE A. 2015 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN THE 2014 NATIONAL BENTGRASS (FAIRWAY/TEE) 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
AR2	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
CA3	SANDY LOAM	7.1-7.5	0-60	241-375	2.1-3.0	FULL SUN	0.0-0.5	ONLY DURING SEVERE STRESS
IA1	SANDY CLAY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
IL1	SILT LOAM AND SILT	6.1-6.5	0-60	376-500	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
IN1	SILT LOAM AND SILT	7.1-7.5	61-150	151-240	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
KS1	-	-	-	-	-	-	-	-
KY1	SILT LOAM AND SILT	-	-	-	2.1-3.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
MA1	LOAM	5.6-6.0	0-60	241-375	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MD1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
MI1	-	-	-	-	-	-	-	-
MO1	-	-	-	-	-	-	-	-
ND1	SILTY CLAY AND CLAY	7.1-7.5	0-60	151-240	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
NJ1	SANDY LOAM	5.6-6.0	271-450	241-375	1.1-2.0	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
VA2	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT DORMANCY
WA1	SILT LOAM AND SILT	5.6-6.0	451+	501+	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS

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
AR2					X	X	X	X	X				X		
CA3	X	X	X	X	X	X	X	X	X	X	X	X	X		
IA1				X	X	X	X	X	X	X			X		
IL1				X	X	X	X	X	X	X			X		
IN1					X	X	X	X	X	X	X				X
KS1				X	X	X	X	X		X			X		
KY1			X	X	X	X	X	X	X	X	X		X		
MA1								X	X	X	X				
MD1						X	X	X	X	X	X				
MI1					X	X	X	X	X	X			X	X	
MO1				X	X	X	X	X	X	X			X		
ND1					X	X	X	X	X					X	
NJ1				X	X	X	X	X	X	X	X		X	X	X
UT1								X	X	X					
VA1						X	X		X	X	X		X	X	
VA2						X	X		X	X	X		X	X	
WA1							X	X	X	X			X		

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2015

LOCATION	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	DOLLAR SPOT	BROWN PATCH WARM TEMP.	PYTHIUM ROOT ROT	FALL COLOR NOVEMBER	PERCENT ESTABLISH- MENT	DOLLAR JUNE	SPOT JULY	RATING AUGUST
AR2	X				X	X	X	X							
CA3	X				X	X	X								
IA1															
IL1											X	X			
IN1		X	X												
KS1								X					X	X	X
KY1					X							X			
* MA1												X			
MD1								X	X						
MI1								X				X			
MO1	X							X	X			X			
ND1		X	X	X	X	X	X								
NJ1	X			X			X	X	X	X					
UT1	X														
VA1					X	X									
* VA2															
WA1	X														

\* MORE TRAFFIC DATA FOR MA1 AND VA2 IN TABLE 5-6.

TABLE 1A. MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/  
A FAIRWAY OR TEE GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 \*\*/  
2015 DATA

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

NAME	NJ1	VA1	KY1	IL1	MI1	IA1	KS1	MEAN
* PIRANHA (DC-1)	7.4	7.6	7.6	4.6	6.8	5.9	5.6	6.5
* L-93XD	7.3	7.6	7.3	4.2	6.4	5.7	5.3	6.2
* CHINOOK (H10G-OP)	6.3	7.2	7.4	4.5	6.6	5.9	5.6	6.2
* 007	7.1	7.7	7.0	3.7	6.5	5.8	5.1	6.1
* BARRACUDA	6.3	7.2	7.2	4.3	6.3	5.7	5.3	6.0
* V-8	6.0	7.0	7.1	4.2	6.3	5.7	5.3	5.9
* SHARK	5.6	6.7	7.2	4.4	6.3	5.6	5.4	5.9
DLFPS-AT/3026	6.1	6.2	7.2	4.5	6.3	5.1	5.2	5.8
* CRYSTAL BLUE LINKS	5.5	6.9	7.0	4.1	6.0	5.6	5.2	5.8
* NIGHTLIFE	5.6	7.2	7.0	4.2	5.5	5.6	5.2	5.7
* KINGDOM	4.8	7.1	7.0	4.3	5.3	5.7	5.3	5.7
MUSKET (PPG-AT 104)	5.6	6.1	7.0	4.4	6.0	5.1	5.1	5.6
PST-ORBS	4.9	6.6	7.0	4.4	5.6	5.4	5.2	5.6
PST-DCV6	5.3	6.7	7.0	4.4	5.3	5.3	5.1	5.6
* ARMOR	4.5	6.3	7.2	5.1	4.9	5.3	5.3	5.5
* GREENTIME	4.4	5.3	7.0	4.9	5.3	4.7	5.0	5.2
* PENNCROSS	2.8	5.1	6.3	4.0	4.8	4.7	4.7	4.6
LSD VALUE	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
C.V. (%)	8.0	6.7	6.3	10.3	7.6	8.2	8.6	7.8

\*/ COMMERCIALLY AVAILABLE IN THE USA IN 2016

\*\*/ 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](http://WWW.NTEP.ORG/LPI_Q&A.PDF)

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

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

Taken from the 2014 Bentgrass (Fairway/ Tee) test - 2015 data report with permission from NTEP

TABLE 1B.

MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/  
A FAIRWAY OR TEE GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 \*/  
2015 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NJ1	VA1	KY1	IL1	MI1	IA1	KS1	MEAN
PIRANHA (DC-1)	7.4	7.6	7.6	4.6	6.8	5.9	5.6	6.5
L-93XD	7.3	7.6	7.3	4.2	6.4	5.7	5.3	6.2
CHINOOK (H10G-OP)	6.3	7.2	7.4	4.5	6.6	5.9	5.6	6.2
007	7.1	7.7	7.0	3.7	6.5	5.8	5.1	6.1
BARRACUDA	6.3	7.2	7.2	4.3	6.3	5.7	5.3	6.0
V-8	6.0	7.0	7.1	4.2	6.3	5.7	5.3	5.9
SHARK	5.6	6.7	7.2	4.4	6.3	5.6	5.4	5.9
CRYSTAL BLUE LINKS	5.5	6.9	7.0	4.1	6.0	5.6	5.2	5.8
NIGHTLIFE	5.6	7.2	7.0	4.2	5.5	5.6	5.2	5.7
KINGDOM	4.8	7.1	7.0	4.3	5.3	5.7	5.3	5.7
PST-ORBS	4.9	6.6	7.0	4.4	5.6	5.4	5.2	5.6
PST-DCV6	5.3	6.7	7.0	4.4	5.3	5.3	5.1	5.6
ARMOR	4.5	6.3	7.2	5.1	4.9	5.3	5.3	5.5
PENNCROSS	2.8	5.1	6.3	4.0	4.8	4.7	4.7	4.6
LSD VALUE	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
C.V. (%)	7.9	6.5	6.3	10.4	7.6	8.1	8.5	7.7

TABLE 1C.

MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/  
A FAIRWAY OR TEE GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 \*/  
2015 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NJ1	VA1	KY1	IL1	MI1	IA1	KS1	MEAN
DLFPS-AT/3026	6.1	6.2	7.2	4.5	6.3	5.1	5.2	5.8
MUSKET (PPG-AT 104)	5.6	6.1	7.0	4.4	6.0	5.1	5.1	5.6
GREENTIME	4.4	5.3	7.0	4.9	5.3	4.7	5.0	5.2
LSD VALUE	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
C.V. (%)	8.3	7.6	6.4	9.8	7.6	9.0	8.8	8.1

\*/ 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](http://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 FAIRWAY OR TEE GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 \*/  
2015 DATA

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

NAME	ND1	UT1	WA1	MEAN
KINGDOM	6.0	7.3	7.4	6.9
NIGHTLIFE	5.4	7.1	6.8	6.4
ARMOR	4.7	7.3	6.9	6.3
CRYSTAL BLUE LINKS	6.0	6.4	6.4	6.3
PST-ORBS	5.6	6.5	6.5	6.2
CHINOOK (H10G-OP)	5.9	6.4	6.2	6.2
BARRACUDA	5.6	6.5	6.2	6.1
V-8	5.9	6.2	6.1	6.1
PIRANHA (DC-1)	5.3	6.8	6.1	6.1
PST-DCV6	4.9	6.9	6.5	6.1
007	5.6	6.5	6.0	6.0
SHARK	6.0	6.0	6.1	6.0
L-93XD	4.9	6.7	5.9	5.9
PENNCROSS	5.8	5.2	5.9	5.6
MUSKET (PPG-AT 104)	4.9	5.6	5.3	5.3
GREENTIME	4.3	5.6	5.3	5.1
DLFPS-AT/3026	4.7	5.5	5.0	5.1
LSD VALUE	0.7	0.7	0.7	0.7
C.V. (%)	8.3	7.0	7.3	7.5

\*/ 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](http://WWW.NTEP.ORG/LPI_Q&A.PDF)

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

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

Taken from the 2014 Bentgrass (Fairway/ Tee) test - 2015 data report with permission from NTEP

TABLE 2B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/  
A FAIRWAY OR TEE GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 \*/  
2015 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ND1	UT1	WA1	MEAN
KINGDOM	6.0	7.3	7.4	6.9
NIGHTLIFE	5.4	7.1	6.8	6.4
ARMOR	4.7	7.3	6.9	6.3
CRYSTAL BLUE LINKS	6.0	6.4	6.4	6.3
PST-ORBS	5.6	6.5	6.5	6.2
CHINOOK (H10G-OP)	5.9	6.4	6.2	6.2
BARRACUDA	5.6	6.5	6.2	6.1
V-8	5.9	6.2	6.1	6.1
PIRANHA (DC-1)	5.3	6.8	6.1	6.1
PST-DCV6	4.9	6.9	6.5	6.1
007	5.6	6.5	6.0	6.0
SHARK	6.0	6.0	6.1	6.0
L-93XD	4.9	6.7	5.9	5.9
PENNCROSS	5.8	5.2	5.9	5.6
LSD VALUE	0.7	0.7	0.7	0.7
C.V. (%)	8.1	6.8	7.1	7.3

TABLE 2C. MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/  
A FAIRWAY OR TEE GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 \*/  
2015 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	ND1	UT1	WA1	MEAN
MUSKET (PPG-AT 104)	4.9	5.6	5.3	5.3
GREENTIME	4.3	5.6	5.3	5.1
DLFPS-AT/3026	4.7	5.5	5.0	5.1
LSD VALUE	0.7	0.7	0.7	0.7
C.V. (%)	9.7	8.1	8.6	8.7

\*/ ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS LPI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE A LPI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON LPI, GO TO [WWW.NTEP.ORG/LPI\\_Q&A.PDF](http://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 RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/  
A FAIRWAY OR TEE GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 \*/  
2015 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/			
NAME	MD1	M01	MEAN
007	7.7	6.0	6.9
PIRANHA (DC-1)	7.6	6.0	6.8
L-93XD	7.6	5.7	6.6
CHINOOK (H10G-OP)	7.2	5.8	6.5
BARRACUDA	7.2	5.7	6.5
V-8	7.0	5.7	6.3
CRYSTAL BLUE LINKS	6.9	5.6	6.3
NIGHTLIFE	7.2	5.4	6.3
KINGDOM	7.1	5.4	6.3
SHARK	6.7	5.6	6.2
PST-ORBS	6.6	5.2	5.9
PST-DCV6	6.7	5.0	5.8
DLFPS-AT/3026	6.2	5.0	5.6
MUSKET (PPG-AT 104)	6.1	4.9	5.5
ARMOR	6.3	4.6	5.4
PENNCROSS	5.1	4.3	4.7
GREENTIME	5.3	4.2	4.7
LSD VALUE	0.7	0.7	0.7
C.V. (%)	6.7	8.5	7.5

\*/ 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](http://WWW.NTEP.ORG/LPI_Q&A.PDF)

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

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

Taken from the 2014 Bentgrass (Fairway/ Tee) test - 2015 data report with permission from NTEP

TABLE 3B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/  
A FAIRWAY OR TEE GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 \*/  
2015 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MD1	MO1	MEAN
007	7.7	6.0	6.9
PIRANHA (DC-1)	7.6	6.0	6.8
L-93XD	7.6	5.7	6.6
CHINOOK (H10G-OP)	7.2	5.8	6.5
BARRACUDA	7.2	5.7	6.5
V-8	7.0	5.7	6.3
CRYSTAL BLUE LINKS	6.9	5.6	6.3
NIGHTLIFE	7.2	5.4	6.3
KINGDOM	7.1	5.4	6.3
SHARK	6.7	5.6	6.2
PST-ORBS	6.6	5.2	5.9
PST-DCV6	6.7	5.0	5.8
ARMOR	6.3	4.6	5.4
PENNCROSS	5.1	4.3	4.7
LSD VALUE	0.7	0.7	0.7
C.V. (%)	6.5	8.3	7.3

TABLE 3C. MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/  
A FAIRWAY OR TEE GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 \*/  
2015 DATA  
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	MD1	MO1	MEAN
DLFPS-AT/3026	6.2	5.0	5.6
MUSKET (PPG-AT 104)	6.1	4.9	5.5
GREENTIME	5.3	4.2	4.7
LSD VALUE	0.7	0.7	0.7
C.V. (%)	7.6	9.5	8.5

\*/ 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](http://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 4A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT FAYETTEVILLE, AR 1/  
2015 DATA

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

NAME	GENETIC COLOR	SEEDLING VIGOR	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	DOLLAR SPOT	MAY	JUN	QUALITY RATINGS			MEAN
									JUL	AUG	SEP	
MUSKET (PPG-AT 104)	6.0	7.7	98.3	96.0	92.0	9.0	8.0	8.0	8.3	6.7	6.7	7.5
GREENTIME	6.0	7.3	97.7	92.0	80.0	8.3	7.7	7.3	7.7	7.3	6.0	7.2
DLFPS-AT/3026	6.0	7.3	97.0	99.0	94.7	9.0	7.0	7.0	8.0	7.0	6.7	7.1
L-93XD	7.3	6.7	93.3	96.0	87.3	8.3	6.0	7.3	8.7	7.0	6.7	7.1
CHINOOK (H10G-OP)	7.3	7.0	96.0	93.0	78.0	8.0	5.7	6.7	8.3	6.7	5.7	6.6
PIRANHA (DC-1)	7.7	7.7	95.7	95.7	85.0	7.7	6.3	7.0	7.3	6.7	5.7	6.6
CRYSTAL BLUE LINKS	7.0	7.7	96.0	66.7	62.0	7.3	7.3	6.7	7.7	5.7	5.0	6.5
V-8	7.0	7.3	96.7	86.3	74.0	7.3	6.0	7.3	7.7	6.0	5.3	6.5
007	7.3	7.0	96.0	90.7	78.3	8.0	6.0	7.0	7.7	6.0	5.3	6.4
BARRACUDA	7.3	7.7	91.0	78.0	64.0	8.0	6.3	6.7	8.0	5.7	4.7	6.3
NIGHTLIFE	8.3	6.0	93.7	75.7	66.3	6.3	5.3	7.0	6.3	5.3	5.3	5.9
SHARK	7.0	8.0	96.0	85.0	70.7	6.0	6.3	7.3	5.7	5.7	4.7	5.9
KINGDOM	8.7	6.7	94.7	77.7	79.7	5.7	5.7	7.0	6.3	4.7	5.0	5.7
PST-ORBS	7.7	7.7	97.7	63.0	60.3	5.7	6.7	7.0	5.0	4.7	4.7	5.6
PENNCROSS	7.0	7.3	94.7	64.3	76.7	6.0	5.3	5.7	5.7	5.3	5.7	5.5
ARMOR	8.0	6.0	93.3	72.3	75.7	4.0	4.7	6.0	4.3	5.3	4.7	5.0
PST-DCV6	7.3	8.0	97.0	54.7	38.7	4.7	5.7	7.0	4.3	3.7	3.7	4.9
LSD VALUE	0.6	2.4	4.2	13.6	31.9	1.4	1.3	1.0	1.1	1.2	1.8	0.5
C.V. (%)	5.6	12.7	2.2	10.4	20.8	12.9	11.7	7.6	9.9	12.3	16.6	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.

Taken from the 2014 Bentgrass (Fairway/ Tee) test - 2015 data report with permission from NTEP

TABLE 4B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT FAYETTEVILLE, AR 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SEEDLING VIGOR	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	DOLLAR SPOT	MAY	JUN	QUALITY RATINGS			MEAN
L-93XD	7.3	6.7	93.3	96.0	87.3	8.3	6.0	7.3	8.7	7.0	6.7	7.1
CHINOOK (H10G-OP)	7.3	7.0	96.0	93.0	78.0	8.0	5.7	6.7	8.3	6.7	5.7	6.6
PIRANHA (DC-1)	7.7	7.7	95.7	95.7	85.0	7.7	6.3	7.0	7.3	6.7	5.7	6.6
CRYSTAL BLUE LINKS	7.0	7.7	96.0	66.7	62.0	7.3	7.3	6.7	7.7	5.7	5.0	6.5
V-8	7.0	7.3	96.7	86.3	74.0	7.3	6.0	7.3	7.7	6.0	5.3	6.5
007	7.3	7.0	96.0	90.7	78.3	8.0	6.0	7.0	7.7	6.0	5.3	6.4
BARRACUDA	7.3	7.7	91.0	78.0	64.0	8.0	6.3	6.7	8.0	5.7	4.7	6.3
NIGHTLIFE	8.3	6.0	93.7	75.7	66.3	6.3	5.3	7.0	6.3	5.3	5.3	5.9
SHARK	7.0	8.0	96.0	85.0	70.7	6.0	6.3	7.3	5.7	5.7	4.7	5.9
KINGDOM	8.7	6.7	94.7	77.7	79.7	5.7	5.7	7.0	6.3	4.7	5.0	5.7
PST-ORBS	7.7	7.7	97.7	63.0	60.3	5.7	6.7	7.0	5.0	4.7	4.7	5.6
PENNCROSS	7.0	7.3	94.7	64.3	76.7	6.0	5.3	5.7	5.7	5.3	5.7	5.5
ARMOR	8.0	6.0	93.3	72.3	75.7	4.0	4.7	6.0	4.3	5.3	4.7	5.0
PST-DCV6	7.3	8.0	97.0	54.7	38.7	4.7	5.7	7.0	4.3	3.7	3.7	4.9
LSD VALUE	0.8	2.1	5.2	15.3	37.1	1.6	1.5	1.2	1.1	1.1	2.0	0.5
C.V. (%)	5.8	12.5	2.4	11.7	22.8	14.8	12.3	8.1	10.8	11.6	17.6	5.6

TABLE 4C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT FAYETTEVILLE, AR 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SEEDLING VIGOR	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	DOLLAR SPOT	MAY	JUN	QUALITY RATINGS			MEAN
MUSKET (PPG-AT 104)	6	7.7	98.3	96.0	92.0	9.0	8.0	8.0	8.3	6.7	6.7	7.5
GREENTIME	6	7.3	97.7	92.0	80.0	8.3	7.7	7.3	7.7	7.3	6.0	7.2
DLFPS-AT/3026	6	7.3	97.0	99.0	94.7	9.0	7.0	7.0	8.0	7.0	6.7	7.1
LSD VALUE	0	2.0	1.3	6.5	12.4	0.8	1.2	0.8	0.9	2.5	1.8	0.7
C.V. (%)	0	11.8	0.6	2.9	6.0	3.8	7.0	4.5	5.1	15.4	12.1	4.1

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. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT AMHERST, MA 1/  
2015 DATA

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

NAME	PERCENT ESTABLISH- MENT	WEAR TOLERANCE RATINGS			QUALITY RATINGS				MEAN
		SEPTEMBER	OCTOBER	NOVEMBER	AUG	SEP	OCT	NOV	
DLFPS-AT/3026	50.0	3.3	2.3	4.7	6.7	6.3	6.0	6.0	6.3
NIGHTLIFE	45.0	7.3	5.7	6.3	5.7	7.0	6.7	5.7	6.3
BARRACUDA	45.0	5.0	4.0	5.3	5.7	6.7	6.0	6.0	6.1
PST-DCV6	40.0	5.0	5.0	5.3	5.3	6.0	7.0	5.7	6.0
ARMOR	43.3	6.3	5.0	5.7	5.7	6.0	6.3	5.0	5.8
CHINOOK (H10G-OP)	45.0	5.0	4.0	5.0	5.0	5.7	6.3	6.0	5.8
PIRANHA (DC-1)	40.0	5.7	5.0	5.7	5.3	6.3	6.3	5.3	5.8
007	45.0	5.7	5.0	6.0	5.7	5.7	6.0	5.3	5.7
KINGDOM	43.3	6.7	6.0	5.3	5.3	6.3	6.0	5.0	5.7
SHARK	43.3	5.3	5.3	5.7	5.0	6.0	6.3	5.3	5.7
MUSKET (PPG-AT 104)	43.3	3.7	3.0	5.0	6.0	5.7	5.3	5.3	5.6
L-93XD	40.0	5.0	4.7	5.3	5.7	6.3	5.3	4.7	5.5
V-8	46.7	5.0	4.7	5.0	5.0	6.0	6.0	5.0	5.5
GREENTIME	48.3	4.3	3.3	4.3	6.0	5.0	5.0	5.0	5.3
PST-ORBS	43.3	5.0	4.3	4.3	5.0	5.7	6.0	4.7	5.3
CRYSTAL BLUE LINKS	40.0	5.0	4.7	4.3	5.0	5.3	5.0	4.7	5.0
PENNCROSS	45.0	4.0	4.0	4.0	4.3	4.7	5.3	4.7	4.8
LSD VALUE	5.7	0.7	0.7	1.0	0.8	1.1	0.9	0.7	0.5
C.V. (%)	6.7	8.6	9.7	11.1	8.2	10.0	8.4	7.3	5.1

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 5B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT AMHERST, MA 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT ESTABLISH- MENT	WEAR TOLERANCE RATINGS			AUG	QUALITY RATINGS			MEAN
		SEPTEMBER	OCTOBER	NOVEMBER		SEP	OCT	NOV	
NIGHTLIFE	45.0	7.3	5.7	6.3	5.7	7.0	6.7	5.7	6.3
BARRACUDA	45.0	5.0	4.0	5.3	5.7	6.7	6.0	6.0	6.1
PST-DCV6	40.0	5.0	5.0	5.3	5.3	6.0	7.0	5.7	6.0
ARMOR	43.3	6.3	5.0	5.7	5.7	6.0	6.3	5.0	5.8
CHINOOK (H10G-OP)	45.0	5.0	4.0	5.0	5.0	5.7	6.3	6.0	5.8
PIRANHA (DC-1)	40.0	5.7	5.0	5.7	5.3	6.3	6.3	5.3	5.8
007	45.0	5.7	5.0	6.0	5.7	5.7	6.0	5.3	5.7
KINGDOM	43.3	6.7	6.0	5.3	5.3	6.3	6.0	5.0	5.7
SHARK	43.3	5.3	5.3	5.7	5.0	6.0	6.3	5.3	5.7
L-93XD	40.0	5.0	4.7	5.3	5.7	6.3	5.3	4.7	5.5
V-8	46.7	5.0	4.7	5.0	5.0	6.0	6.0	5.0	5.5
PST-ORBS	43.3	5.0	4.3	4.3	5.0	5.7	6.0	4.7	5.3
CRYSTAL BLUE LINKS	40.0	5.0	4.7	4.3	5.0	5.3	5.0	4.7	5.0
PENNCROSS	45.0	4.0	4.0	4.0	4.3	4.7	5.3	4.7	4.8
LSD VALUE	6.0	0.6	0.8	1.0	1.0	1.2	0.8	0.7	0.5
C.V. (%)	6.4	7.5	9.6	10.8	9.0	10.1	7.4	7.8	5.4

TABLE 5C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT AMHERST, MA 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	PERCENT ESTABLISH- MENT	WEAR TOLERANCE RATINGS			AUG	QUALITY RATINGS			MEAN
		SEPTEMBER	OCTOBER	NOVEMBER		SEP	OCT	NOV	
DLFPS-AT/3026	50.0	3.3	2.3	4.7	6.7	6.3	6.0	6.0	6.3
MUSKET (PPG-AT 104)	43.3	3.7	3.0	5.0	6.0	5.7	5.3	5.3	5.6
GREENTIME	48.3	4.3	3.3	4.3	6.0	5.0	5.0	5.0	5.3
LSD VALUE	10.2	1.5	0.8	1.3	0.8	0.9	1.5	0.8	0.5
C.V. (%)	9.3	17.6	11.5	12.4	5.4	7.2	12.2	6.1	3.4

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

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

TABLE 6A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2015 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT LIVING GROUND COVER				JUN	JUL	QUALITY RATINGS			MEAN
			PRE-TRAFFIC 5_6	POST-TRAFFIC 6_30	RATINGS 7_6	7_22			SEP	OCT	NOV	
DLFPS-AT/3026	5.7	5.0	91.7	45.0	68.3	88.3	6.0	5.3	6.3	6.3	7.0	6.2
CHINOOK (H10G-OP)	7.0	7.0	85.0	46.7	75.0	81.7	4.3	6.0	6.3	6.7	6.7	6.0
PIRANHA (DC-1)	7.0	7.0	78.3	45.0	68.3	73.3	3.7	6.0	6.7	6.3	6.7	5.9
SHARK	6.7	6.7	91.7	50.0	78.3	73.3	5.3	5.7	6.0	6.0	6.7	5.9
CRYSTAL BLUE LINKS	6.7	7.0	86.7	56.7	73.3	66.7	4.3	5.7	5.3	6.0	7.0	5.7
MUSKET (PPG-AT 104)	6.3	5.0	90.0	40.0	68.3	81.7	5.0	5.0	5.7	6.0	6.7	5.7
V-8	7.0	7.3	83.3	43.3	66.7	66.7	4.7	6.3	5.7	5.7	6.3	5.7
L-93XD	5.0	7.0	78.3	55.0	75.0	75.0	3.7	5.7	5.7	6.0	6.0	5.4
GREENTIME	6.3	6.7	90.0	23.3	38.3	60.0	5.0	4.7	4.7	5.3	6.3	5.2
007	7.0	7.3	85.0	35.0	56.7	56.7	3.7	5.7	4.3	5.3	6.3	5.1
PST-ORBS	7.0	7.3	80.0	40.0	65.0	66.7	4.0	5.7	4.3	5.3	6.0	5.1
KINGDOM	7.7	8.0	78.3	40.0	65.0	63.3	3.7	5.3	5.0	5.0	5.3	4.9
NIGHTLIFE	7.7	8.0	78.3	41.7	70.0	70.0	4.3	5.0	4.0	5.3	6.0	4.9
BARRACUDA	6.7	7.0	85.0	38.3	63.3	68.3	4.0	5.3	3.7	5.0	5.7	4.7
ARMOR	7.0	8.0	75.0	53.3	73.3	85.0	4.3	4.3	4.7	4.3	5.3	4.6
PENNCROSS	7.0	7.0	78.3	33.3	56.7	46.7	4.0	3.7	3.3	5.0	6.0	4.4
PST-DCV6	7.0	7.3	78.3	26.7	50.0	55.0	3.3	5.0	3.0	4.3	5.0	4.1
LSD VALUE	2.2	1.0	9.4	61.9	30.0	25.3	1.7	3.9	3.1	2.8	3.4	2.3
C.V. (%)	13.5	8.7	6.2	45.9	20.1	18.0	18.6	23.9	27.8	19.3	18.2	17.3

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

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

Taken from the 2014 Bentgrass (Fairway/ Tee) test - 2015 data report with permission from NTEP

TABLE 6B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT LIVING GROUND COVER				JUN	JUL	QUALITY RATINGS			MEAN
			PRE-TRAFFIC 5_6	6_30	7_6	7_22			SEP	OCT	NOV	
CHINOOK (H10G-OP)	7.0	7.0	85.0	46.7	75.0	81.7	4.3	6.0	6.3	6.7	6.7	6.0
PIRANHA (DC-1)	7.0	7.0	78.3	45.0	68.3	73.3	3.7	6.0	6.7	6.3	6.7	5.9
SHARK	6.7	6.7	91.7	50.0	78.3	73.3	5.3	5.7	6.0	6.0	6.7	5.9
CRYSTAL BLUE LINKS	6.7	7.0	86.7	56.7	73.3	66.7	4.3	5.7	5.3	6.0	7.0	5.7
V-8	7.0	7.3	83.3	43.3	66.7	66.7	4.7	6.3	5.7	5.7	6.3	5.7
L-93XD	5.0	7.0	78.3	55.0	75.0	75.0	3.7	5.7	5.7	6.0	6.0	5.4
007	7.0	7.3	85.0	35.0	56.7	56.7	3.7	5.7	4.3	5.3	6.3	5.1
PST-ORBS	7.0	7.3	80.0	40.0	65.0	66.7	4.0	5.7	4.3	5.3	6.0	5.1
KINGDOM	7.7	8.0	78.3	40.0	65.0	63.3	3.7	5.3	5.0	5.0	5.3	4.9
NIGHTLIFE	7.7	8.0	78.3	41.7	70.0	70.0	4.3	5.0	4.0	5.3	6.0	4.9
BARRACUDA	6.7	7.0	85.0	38.3	63.3	68.3	4.0	5.3	3.7	5.0	5.7	4.7
ARMOR	7.0	8.0	75.0	53.3	73.3	85.0	4.3	4.3	4.7	4.3	5.3	4.6
PENNCROSS	7.0	7.0	78.3	33.3	56.7	46.7	4.0	3.7	3.3	5.0	6.0	4.4
PST-DCV6	7.0	7.3	78.3	26.7	50.0	55.0	3.3	5.0	3.0	4.3	5.0	4.1
LSD VALUE	2.6	1.2	10.8	56.3	27.1	24.0	2.3	3.9	3.0	2.7	3.5	2.5
C.V. (%)	14.6	7.3	6.4	42.7	17.0	17.1	20.9	24.9	28.4	19.6	19.5	18.3

TABLE 6C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/  
2015 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT LIVING GROUND COVER				JUN	JUL	QUALITY RATINGS			MEAN
			PRE-TRAFFIC 5_6	6_30	7_6	7_22			SEP	OCT	NOV	
DLFPS-AT/3026	5.7	5.0	91.7	45.0	68.3	88.3	6.0	5.3	6.3	6.3	7.0	6.2
MUSKET (PPG-AT 104)	6.3	5.0	90.0	40.0	68.3	81.7	5.0	5.0	5.7	6.0	6.7	5.7
GREENTIME	6.3	6.7	90.0	23.3	38.3	60.0	5.0	4.7	4.7	5.3	6.3	5.2
LSD VALUE	0.8	2.0	14.0	38.7	43.5	24.2	1.3	1.9	3.1	1.5	0.9	1.0
C.V. (%)	5.5	15.9	6.6	46.2	32.1	13.6	10.8	16.3	24.0	11.3	6.1	7.5

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

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



TABLE 7A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT RIVERSIDE, CA 1/  
2015 DATA

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

NAME	GENETIC COLOR	SEEDLING VIGOR	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	QUALITY RATINGS												MEAN
						JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
PENNCROSS	7.3	6.0	91.7	91.7	91.7	6.0	6.3	6.3	6.7	6.7	5.7	6.3	5.7	6.0	6.0	6.3	6.0	6.2
SHARK	7.0	5.0	91.7	88.3	91.7	4.7	5.3	5.7	6.7	6.7	6.3	5.7	5.7	6.7	6.0	6.3	6.0	6.0
CHINOOK (H10G-OP)	7.3	4.7	88.3	94.7	88.3	4.7	5.3	6.0	6.7	6.7	6.0	7.0	6.0	6.7	5.7	5.7	5.0	5.9
NIGHTLIFE	8.0	6.3	91.7	91.7	88.3	5.0	5.7	6.0	6.7	6.7	6.3	6.3	6.0	6.3	6.3	5.7	4.3	5.9
PST-DCV6	7.7	6.0	91.7	91.3	88.3	4.7	5.0	6.0	6.7	7.0	5.7	6.3	6.3	6.0	6.3	5.7	4.7	5.9
PST-ORBS	7.3	5.7	91.7	94.7	88.3	5.0	5.3	6.0	6.7	6.7	6.0	7.0	6.0	5.7	5.0	5.7	5.7	5.9
007	7.3	5.0	91.7	93.0	90.0	4.7	5.0	6.0	6.7	6.7	6.0	6.7	5.3	5.3	6.0	6.0	5.3	5.8
CRYSTAL BLUE LINKS	7.7	4.7	91.7	94.7	86.7	5.3	5.7	5.7	6.3	6.3	5.3	7.0	5.7	5.7	5.7	5.3	5.0	5.8
KINGDOM	8.0	5.3	91.7	90.0	90.0	4.7	5.3	5.7	6.3	6.3	6.0	6.0	5.7	5.3	6.0	6.0	5.3	5.7
PIRANHA (DC-1)	7.7	4.7	91.7	90.0	88.3	4.0	5.0	5.7	6.7	6.7	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.7
L-93XD	7.0	4.3	88.3	93.3	88.3	4.7	5.0	5.3	6.0	6.0	6.0	6.7	5.3	5.3	5.7	5.7	5.3	5.6
ARMOR	8.0	4.0	85.0	90.0	88.3	4.0	4.3	5.0	6.0	6.0	5.3	6.0	6.0	5.7	5.7	5.7	5.0	5.4
GREENTIME	7.3	4.7	85.0	94.7	85.0	4.3	4.7	5.7	6.0	6.0	5.7	7.0	5.3	5.3	4.7	5.0	4.7	5.4
V-8	7.0	4.0	91.7	88.3	88.3	3.3	4.3	5.3	6.3	6.7	5.3	5.7	6.0	6.0	5.7	5.7	5.0	5.4
BARRACUDA	7.0	3.7	85.0	88.3	88.3	3.3	4.3	5.3	6.3	6.3	5.0	5.7	5.3	5.7	5.3	5.7	5.7	5.3
DLFPS-AT/3026	7.0	4.0	91.7	91.7	86.7	4.0	4.7	5.3	6.0	6.0	5.0	6.3	5.3	5.3	5.0	5.3	5.0	5.3
MUSKET (PPG-AT 104)	7.0	3.7	88.3	90.0	86.7	3.3	4.0	5.0	5.7	6.0	5.3	6.0	5.7	5.7	4.7	5.3	5.3	5.2
LSD VALUE	0.9	2.8	12.5	11.3	9.4	2.5	1.6	1.7	1.2	1.1	2.9	2.3	3.8	4.0	2.2	1.9	2.7	1.0
C.V. (%)	6.0	23.9	5.0	4.3	3.6	22.9	14.8	10.9	7.6	7.1	15.7	13.0	18.1	19.9	14.7	11.1	16.9	7.1

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

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

TABLE 7B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT RIVERSIDE, CA 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SEEDLING VIGOR	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
PENNCROSS	7.3	6.0	91.7	91.7	91.7	6.0	6.3	6.3	6.7	6.7	5.7	6.3	5.7	6.0	6.0	6.3	6.0	6.2
SHARK	7.0	5.0	91.7	88.3	91.7	4.7	5.3	5.7	6.7	6.7	6.3	5.7	5.7	6.7	6.0	6.3	6.0	6.0
CHINOOK (H10G-OP)	7.3	4.7	88.3	94.7	88.3	4.7	5.3	6.0	6.7	6.7	6.0	7.0	6.0	6.7	5.7	5.7	5.0	5.9
NIGHTLIFE	8.0	6.3	91.7	91.7	88.3	5.0	5.7	6.0	6.7	6.7	6.3	6.3	6.0	6.3	6.3	5.7	4.3	5.9
PST-DCV6	7.7	6.0	91.7	91.3	88.3	4.7	5.0	6.0	6.7	7.0	5.7	6.3	6.3	6.0	6.3	5.7	4.7	5.9
PST-ORBS	7.3	5.7	91.7	94.7	88.3	5.0	5.3	6.0	6.7	6.7	6.0	7.0	6.0	5.7	5.0	5.7	5.7	5.9
007	7.3	5.0	91.7	93.0	90.0	4.7	5.0	6.0	6.7	6.7	6.0	6.7	5.3	5.3	6.0	6.0	5.3	5.8
CRYSTAL BLUE LINKS	7.7	4.7	91.7	94.7	86.7	5.3	5.7	5.7	6.3	6.3	5.3	7.0	5.7	5.7	5.7	5.3	5.0	5.8
KINGDOM	8.0	5.3	91.7	90.0	90.0	4.7	5.3	5.7	6.3	6.3	6.0	6.0	5.7	5.3	6.0	6.0	5.3	5.7
PIRANHA (DC-1)	7.7	4.7	91.7	90.0	88.3	4.0	5.0	5.7	6.7	6.7	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.7
L-93XD	7.0	4.3	88.3	93.3	88.3	4.7	5.0	5.3	6.0	6.0	6.0	6.7	5.3	5.3	5.7	5.7	5.3	5.6
ARMOR	8.0	4.0	85.0	90.0	88.3	4.0	4.3	5.0	6.0	6.0	5.3	6.0	6.0	5.7	5.7	5.7	5.0	5.4
V-8	7.0	4.0	91.7	88.3	88.3	3.3	4.3	5.3	6.3	6.7	5.3	5.7	6.0	6.0	5.7	5.7	5.0	5.4
BARRACUDA	7.0	3.7	85.0	88.3	88.3	3.3	4.3	5.3	6.3	6.3	5.0	5.7	5.3	5.7	5.3	5.7	5.7	5.3
LSD VALUE	0.9	2.7	13.3	10.6	9.3	2.7	1.9	1.8	1.5	1.4	2.5	2.2	3.8	3.9	2.9	1.9	2.3	1.2
C.V. (%)	6.0	22.8	5.2	4.3	3.4	23.4	15.4	11.2	7.8	7.6	14.6	13.0	19.0	20.4	15.4	10.5	15.9	7.6

TABLE 7C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT RIVERSIDE, CA 1/  
2015 DATA  
TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SEEDLING VIGOR	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
GREENTIME	7.3	4.7	85.0	94.7	85.0	4.3	4.7	5.7	6.0	6	5.7	7.0	5.3	5.3	4.7	5.0	4.7	5.4
DLFPS-AT/3026	7.0	4.0	91.7	91.7	86.7	4.0	4.7	5.3	6.0	6	5.0	6.3	5.3	5.3	5.0	5.3	5.0	5.3
MUSKET (PPG-AT 104)	7.0	3.7	88.3	90.0	86.7	3.3	4.0	5.0	5.7	6	5.3	6.0	5.7	5.7	4.7	5.3	5.3	5.2
LSD VALUE	0.8	3.1	9.5	10.0	10.2	1.8	1.2	0.9	0.8	0	1.3	2.0	1.2	1.8	0.8	2.0	2.7	0.6
C.V. (%)	4.7	32.4	4.6	4.7	5.1	20.1	11.9	7.7	5.7	0	10.8	13.7	9.7	14.4	7.0	16.9	23.1	4.5

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

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

TABLE 8A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT WEST LAFAYETTE, IN 1/  
2015 DATA

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

NAME	LEAFTEX	SPRDENS	SUMDENS	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
KINGDOM	8.0	8.0	8.3	8.0	7.7	7.7	7.7	7.3	7.3	8.0	7.7
NIGHTLIFE	7.3	7.0	8.0	7.3	7.3	7.7	8.0	7.7	7.7	8.0	7.7
007	7.7	7.0	9.0	7.7	7.3	7.3	8.0	7.7	7.0	7.7	7.5
ARMOR	7.3	7.3	8.3	7.3	7.0	7.3	8.0	7.7	7.3	8.0	7.5
BARRACUDA	7.0	7.0	7.3	7.7	7.3	7.7	7.7	7.7	7.0	7.3	7.5
PST-ORBS	7.7	7.3	8.0	7.3	7.3	7.3	7.7	7.3	7.0	7.3	7.3
CHINOOK (H10G-OP)	6.7	6.3	7.7	7.7	7.3	7.3	7.3	7.0	7.0	7.0	7.2
PIRANHA (DC-1)	7.0	7.7	8.3	7.3	7.3	7.0	7.3	6.7	7.3	7.7	7.2
SHARK	7.3	7.3	7.7	7.3	7.0	7.0	7.3	7.0	7.3	7.0	7.1
V-8	7.7	6.3	7.7	7.7	4.3	6.7	7.7	7.0	7.3	7.3	6.9
PST-DCV6	6.7	6.3	7.0	7.0	6.7	6.3	7.0	6.7	7.0	7.0	6.8
L-93XD	6.3	8.0	7.0	6.7	7.3	7.0	6.7	6.0	6.7	6.7	6.7
CRYSTAL BLUE LINKS	6.7	6.0	6.3	6.7	5.7	6.7	7.0	6.0	6.3	7.3	6.5
MUSKET (PPG-AT 104)	7.0	6.3	7.0	6.0	5.7	6.0	7.0	7.0	5.7	6.0	6.2
DLFPS-AT/3026	6.7	5.7	6.3	5.7	5.7	6.0	7.0	6.7	5.0	5.7	6.0
PENNCROSS	4.3	5.0	6.0	6.0	5.0	5.7	5.7	5.0	6.0	6.3	5.7
GREENTIME	5.7	5.0	6.7	5.3	5.3	5.7	6.0	5.7	5.3	5.7	5.6
LSD VALUE	1.2	1.2	0.9	1.4	1.0	0.9	1.2	0.9	1.2	1.2	0.7
C.V. (%)	10.0	10.5	7.2	10.7	9.6	7.7	9.0	8.1	10.1	9.6	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 8B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT WEST LAFAYETTE, IN 1/  
2015 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/											
NAME	LEAFTEX	SPRDENS	SUMDENS	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
KINGDOM	8.0	8.0	8.3	8.0	7.7	7.7	7.7	7.3	7.3	8.0	7.7
NIGHTLIFE	7.3	7.0	8.0	7.3	7.3	7.7	8.0	7.7	7.7	8.0	7.7
007	7.7	7.0	9.0	7.7	7.3	7.3	8.0	7.7	7.0	7.7	7.5
ARMOR	7.3	7.3	8.3	7.3	7.0	7.3	8.0	7.7	7.3	8.0	7.5
BARRACUDA	7.0	7.0	7.3	7.7	7.3	7.7	7.7	7.7	7.0	7.3	7.5
PST-ORBS	7.7	7.3	8.0	7.3	7.3	7.3	7.7	7.3	7.0	7.3	7.3
CHINOOK (H10G-OP)	6.7	6.3	7.7	7.7	7.3	7.3	7.3	7.0	7.0	7.0	7.2
PIRANHA (DC-1)	7.0	7.7	8.3	7.3	7.3	7.0	7.3	6.7	7.3	7.7	7.2
SHARK	7.3	7.3	7.7	7.3	7.0	7.0	7.3	7.0	7.3	7.0	7.1
V-8	7.7	6.3	7.7	7.7	4.3	6.7	7.7	7.0	7.3	7.3	6.9
PST-DCV6	6.7	6.3	7.0	7.0	6.7	6.3	7.0	6.7	7.0	7.0	6.8
L-93XD	6.3	8.0	7.0	6.7	7.3	7.0	6.7	6.0	6.7	6.7	6.7
CRYSTAL BLUE LINKS	6.7	6.0	6.3	6.7	5.7	6.7	7.0	6.0	6.3	7.3	6.5
PENNCROSS	4.3	5.0	6.0	6.0	5.0	5.7	5.7	5.0	6.0	6.3	5.7
LSD VALUE	1.2	1.2	0.9	1.2	1.0	1.1	1.3	0.9	1.9	1.4	0.7
C.V. (%)	10.1	10.0	7.1	8.0	9.5	8.1	9.2	7.6	10.1	8.6	5.9

TABLE 8C. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT WEST LAFAYETTE, IN 1/  
2015 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/											
NAME	LEAFTEX	SPRDENS	SUMDENS	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
MUSKET (PPG-AT 104)	7.0	6.3	7.0	6.0	5.7	6.0	7.0	7.0	5.7	6.0	6.2
DLFPS-AT/3026	6.7	5.7	6.3	5.7	5.7	6.0	7.0	6.7	5.0	5.7	6.0
GREENTIME	5.7	5.0	6.7	5.3	5.3	5.7	6.0	5.7	5.3	5.7	5.6
LSD VALUE	1.5	0.9	0.9	1.3	1.5	0.8	1.3	1.5	0.9	1.5	0.9
C.V. (%)	10.3	7.2	6.1	10.2	12.0	5.7	8.7	10.3	7.7	11.5	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 9A. GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

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

NAME	IA1	IL1	KS1	KY1	MI1	MO1	NJ1	VA1	WA1	MEAN
NIGHTLIFE	8.0	7.0	8.0	8.0	7.0	8.0	4.3	7.7	8.0	7.3
KINGDOM	9.0	6.3	8.0	8.0	6.7	8.0	4.0	7.7	8.0	7.3
ARMOR	8.0	5.7	8.0	8.0	7.0	7.3	5.0	7.0	8.0	7.1
PIRANHA (DC-1)	6.7	6.7	7.0	7.0	6.3	5.0	7.3	7.0	7.0	6.7
007	7.0	5.0	7.0	7.0	6.0	5.3	7.3	7.0	7.0	6.5
L-93XD	6.7	6.7	6.7	6.7	6.0	5.0	7.3	6.7	6.7	6.5
PST-ORBS	6.7	5.7	7.0	7.0	6.3	5.3	5.7	7.0	7.0	6.4
SHARK	6.3	6.3	6.7	7.0	6.0	4.7	7.3	6.7	6.7	6.4
CHINOOK (H10G-OP)	6.3	6.3	6.7	7.0	6.0	5.0	6.3	7.0	6.7	6.4
BARRACUDA	6.7	5.3	6.7	7.0	6.0	4.7	7.0	6.7	7.0	6.3
V-8	6.0	6.0	6.0	7.0	6.0	5.0	7.0	7.0	6.3	6.3
CRYSTAL BLUE LINKS	7.0	4.3	6.3	7.0	6.3	5.0	5.3	6.7	7.3	6.1
GREENTIME	6.7	6.0	6.7	6.7	6.0	4.0	5.3	6.3	7.7	6.1
PST-DCV6	6.0	5.0	6.3	7.0	6.0	5.0	6.3	7.0	6.7	6.1
PENNCROSS	6.7	7.0	5.3	7.0	6.0	3.7	5.0	7.0	6.7	6.0
MUSKET (PPG-AT 104)	6.0	5.7	6.3	6.3	5.7	3.7	3.7	6.3	6.7	5.6
DLFPS-AT/3026	6.0	3.7	6.7	6.0	6.0	4.0	4.3	5.7	7.3	5.5
LSD VALUE	1.0	1.4	0.9	0.4	0.5	0.8	1.7	0.9	0.7	0.3
C.V. (%)	9.2	15.4	8.3	3.4	5.1	9.7	18.2	7.9	6.2	9.8

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

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

TABLE 9B. GENETIC COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/										
NAME	IA1	IL1	KS1	KY1	MI1	MO1	NJ1	VA1	WA1	MEAN
NIGHTLIFE	8.0	7.0	8.0	8.0	7.0	8.0	4.3	7.7	8.0	7.3
KINGDOM	9.0	6.3	8.0	8.0	6.7	8.0	4.0	7.7	8.0	7.3
ARMOR	8.0	5.7	8.0	8.0	7.0	7.3	5.0	7.0	8.0	7.1
PIRANHA (DC-1)	6.7	6.7	7.0	7.0	6.3	5.0	7.3	7.0	7.0	6.7
007	7.0	5.0	7.0	7.0	6.0	5.3	7.3	7.0	7.0	6.5
L-93XD	6.7	6.7	6.7	6.7	6.0	5.0	7.3	6.7	6.7	6.5
PST-ORBS	6.7	5.7	7.0	7.0	6.3	5.3	5.7	7.0	7.0	6.4
SHARK	6.3	6.3	6.7	7.0	6.0	4.7	7.3	6.7	6.7	6.4
CHINOOK (H10G-OP)	6.3	6.3	6.7	7.0	6.0	5.0	6.3	7.0	6.7	6.4
BARRACUDA	6.7	5.3	6.7	7.0	6.0	4.7	7.0	6.7	7.0	6.3
V-8	6.0	6.0	6.0	7.0	6.0	5.0	7.0	7.0	6.3	6.3
CRYSTAL BLUE LINKS	7.0	4.3	6.3	7.0	6.3	5.0	5.3	6.7	7.3	6.1
PST-DCV6	6.0	5.0	6.3	7.0	6.0	5.0	6.3	7.0	6.7	6.1
PENNCROSS	6.7	7.0	5.3	7.0	6.0	3.7	5.0	7.0	6.7	6.0
LSD VALUE	1.1	1.1	0.9	0.2	0.5	0.7	1.6	0.9	0.7	0.3
C.V. (%)	9.7	11.9	8.1	2.1	4.9	8.4	16.4	7.6	5.8	8.9

TABLE 9C. GENETIC COLOR RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/										
NAME	IA1	IL1	KS1	KY1	MI1	MO1	NJ1	VA1	WA1	MEAN
GREENTIME	6.7	6.0	6.7	6.7	6.0	4.0	5.3	6.3	7.7	6.1
MUSKET (PPG-AT 104)	6.0	5.7	6.3	6.3	5.7	3.7	3.7	6.3	6.7	5.6
DLFPS-AT/3026	6.0	3.7	6.7	6.0	6.0	4.0	4.3	5.7	7.3	5.5
LSD VALUE	0.5	2.4	0.9	0.8	0.5	1.1	2.1	0.9	0.9	0.4
C.V. (%)	5.4	29.2	8.8	7.4	5.7	17.1	29.0	9.4	8.0	13.9

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

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

TABLE 10A. SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/					
NAME	MI1	ND1	NJ1	VA1	MEAN
V-8	4.3	5.3	6.7	7.3	5.9
007	4.3	4.7	6.7	7.3	5.8
CRYSTAL BLUE LINKS	4.3	5.3	6.3	7.0	5.8
CHINOOK (H10G-OP)	4.3	6.0	5.0	7.0	5.6
PST-ORBS	3.7	6.0	5.3	7.3	5.6
SHARK	3.7	6.0	6.0	6.7	5.6
PIRANHA (DC-1)	4.0	4.3	6.7	7.0	5.5
BARRACUDA	4.7	4.3	5.7	7.0	5.4
PENNCROSS	4.3	5.0	5.0	7.0	5.3
PST-DCV6	4.0	5.0	5.0	7.3	5.3
L-93XD	3.7	4.0	6.3	7.0	5.3
DLFPS-AT/3026	3.3	4.3	7.7	5.0	5.1
NIGHTLIFE	4.0	4.0	3.7	8.0	4.9
KINGDOM	4.0	4.0	3.3	8.0	4.8
MUSKET (PPG-AT 104)	3.3	4.0	7.0	5.0	4.8
GREENTIME	3.3	4.0	5.0	6.7	4.8
ARMOR	3.7	3.3	3.7	8.0	4.7
LSD VALUE	1.1	0.6	1.2	1.0	0.5
C.V. (%)	16.7	7.9	13.5	8.5	11.5

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

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

TABLE 10B. SPRING GREENUP RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/					
NAME	MI1	ND1	NJ1	VA1	MEAN
V-8	4.3	5.3	6.7	7.3	5.9
007	4.3	4.7	6.7	7.3	5.8
CRYSTAL BLUE LINKS	4.3	5.3	6.3	7.0	5.8
CHINOOK (H10G-OP)	4.3	6.0	5.0	7.0	5.6
PST-ORBS	3.7	6.0	5.3	7.3	5.6
SHARK	3.7	6.0	6.0	6.7	5.6
PIRANHA (DC-1)	4.0	4.3	6.7	7.0	5.5
BARRACUDA	4.7	4.3	5.7	7.0	5.4
PENNCROSS	4.3	5.0	5.0	7.0	5.3
PST-DCV6	4.0	5.0	5.0	7.3	5.3
L-93XD	3.7	4.0	6.3	7.0	5.3
NIGHTLIFE	4.0	4.0	3.7	8.0	4.9
KINGDOM	4.0	4.0	3.3	8.0	4.8
ARMOR	3.7	3.3	3.7	8.0	4.7
LSD VALUE	1.0	0.6	1.2	0.8	0.5
C.V. (%)	15.2	7.9	13.5	7.0	10.6

TABLE 10C. SPRING GREENUP RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

SPRING GREENUP RATINGS 1-9; 9=COMPLETELY GREEN 2/					
NAME	MI1	ND1	NJ1	VA1	MEAN
DLFPS-AT/3026	3.3	4.3	7.7	5.0	5.1
MUSKET (PPG-AT 104)	3.3	4.0	7.0	5.0	4.8
GREENTIME	3.3	4.0	5.0	6.7	4.8
LSD VALUE	1.3	0.5	1.4	1.4	0.6
C.V. (%)	24.5	8.1	13.5	15.9	15.6

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

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



TABLE 11A. LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

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

NAME	NJ1
007	8.3
L-93XD	8.0
PIRANHA (DC-1)	8.0
CHINOOK (H10G-OP)	7.7
CRYSTAL BLUE LINKS	7.7
DLFPS-AT/3026	7.7
GREENTIME	7.7
PST-DCV6	7.3
SHARK	7.3
V-8	7.3
BARRACUDA	7.0
MUSKET (PPG-AT 104)	7.0
PST-ORBS	7.0
NIGHTLIFE	6.7
ARMOR	6.3
KINGDOM	5.7
PENNCROSS	3.3
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 11B. LEAF TEXTURE RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

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

NAME	NJ1
007	8.3
L-93XD	8.0
PIRANHA (DC-1)	8.0
CHINOOK (H10G-OP)	7.7
CRYSTAL BLUE LINKS	7.7
PST-DCV6	7.3
SHARK	7.3
V-8	7.3
BARRACUDA	7.0
PST-ORBS	7.0
NIGHTLIFE	6.7
ARMOR	6.3
KINGDOM	5.7
PENNCROSS	3.3
LSD VALUE	1.3
C.V. (%)	11.7

TABLE 11C. LEAF TEXTURE RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

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

NAME	NJ1
DLFPS-AT/3026	7.7
GREENTIME	7.7
MUSKET (PPG-AT 104)	7.0
LSD VALUE	1.2
C.V. (%)	10.0

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

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

TABLE 12A. SEEDLING VIGOR RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/					
NAME	MO1	NJ1	UT1	WA1	MEAN
BARRACUDA	7.3	9.0	8.7	7.7	8.2
CRYSTAL BLUE LINKS	7.3	9.0	8.7	7.7	8.2
SHARK	6.7	8.0	8.0	8.0	7.7
V-8	6.3	7.0	7.7	8.3	7.3
PIRANHA (DC-1)	6.0	7.3	8.0	7.7	7.3
DLFPS-AT/3026	6.3	5.7	8.0	8.3	7.1
MUSKET (PPG-AT 104)	6.7	6.0	7.7	8.0	7.1
PENNCROSS	6.0	7.0	7.7	7.7	7.1
NIGHTLIFE	6.0	6.0	8.3	7.7	7.0
007	5.0	6.3	8.3	8.3	7.0
CHINOOK (H10G-OP)	5.3	7.0	8.0	7.3	6.9
KINGDOM	5.7	5.3	8.3	8.0	6.8
PST-DCV6	5.0	6.0	8.3	7.7	6.8
GREENTIME	5.7	4.7	8.0	7.3	6.4
L-93XD	4.3	6.3	7.3	7.3	6.3
ARMOR	3.3	6.0	7.3	7.3	6.0
PST-ORBS	3.7	4.7	8.3	7.0	5.9
LSD VALUE	1.1	1.7	1.0	1.1	0.6
C.V. (%)	12.1	15.9	7.4	9.1	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 12B. SEEDLING VIGOR RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/					
NAME	M01	NJ1	UT1	WA1	MEAN
BARRACUDA	7.3	9.0	8.7	7.7	8.2
CRYSTAL BLUE LINKS	7.3	9.0	8.7	7.7	8.2
SHARK	6.7	8.0	8.0	8.0	7.7
V-8	6.3	7.0	7.7	8.3	7.3
PIRANHA (DC-1)	6.0	7.3	8.0	7.7	7.3
PENNCROSS	6.0	7.0	7.7	7.7	7.1
NIGHTLIFE	6.0	6.0	8.3	7.7	7.0
007	5.0	6.3	8.3	8.3	7.0
CHINOOK (H10G-OP)	5.3	7.0	8.0	7.3	6.9
KINGDOM	5.7	5.3	8.3	8.0	6.8
PST-DCV6	5.0	6.0	8.3	7.7	6.8
L-93XD	4.3	6.3	7.3	7.3	6.3
ARMOR	3.3	6.0	7.3	7.3	6.0
PST-ORBS	3.7	4.7	8.3	7.0	5.9
LSD VALUE	1.1	1.8	1.0	1.1	0.6
C.V. (%)	11.8	16.6	7.9	9.0	11.4

TABLE 12C. SEEDLING VIGOR RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/					
NAME	M01	NJ1	UT1	WA1	MEAN
DLFPS-AT/3026	6.3	5.7	8.0	8.3	7.1
MUSKET (PPG-AT 104)	6.7	6.0	7.7	8.0	7.1
GREENTIME	5.7	4.7	8.0	7.3	6.4
LSD VALUE	1.3	0.8	0.5	1.2	0.5
C.V. (%)	13.1	8.7	4.2	9.4	9.1

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

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

TABLE 13A. SPRING DENSITY RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

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

NAME	ND1
CHINOOK (H10G-OP)	4.7
BARRACUDA	4.3
CRYSTAL BLUE LINKS	4.3
SHARK	4.3
PENNCROSS	4.0
PIRANHA (DC-1)	4.0
PST-ORBS	4.0
V-8	4.0
007	3.7
ARMOR	3.3
KINGDOM	3.3
PST-DCV6	3.3
L-93XD	3.0
NIGHTLIFE	3.0
DLFPS-AT/3026	2.7
GREENTIME	2.7
MUSKET (PPG-AT 104)	2.0
LSD VALUE	0.7
C.V. (%)	12.4

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

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

TABLE 13B. SPRING DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

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

NAME	ND1
CHINOOK (H10G-OP)	4.7
BARRACUDA	4.3
CRYSTAL BLUE LINKS	4.3
SHARK	4.3
PENNCROSS	4.0
PIRANHA (DC-1)	4.0
PST-ORBS	4.0
V-8	4.0
007	3.7
ARMOR	3.3
KINGDOM	3.3
PST-DCV6	3.3
L-93XD	3.0
NIGHTLIFE	3.0
LSD VALUE	0.7
C.V. (%)	11.5

TABLE 13C. SPRING DENSITY RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

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

NAME	ND1
DLFPS-AT/3026	2.7
GREENTIME	2.7
MUSKET (PPG-AT 104)	2.0
LSD VALUE	0.8
C.V. (%)	19.3

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

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

TABLE 14A. SUMMER DENSITY RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

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

NAME	ND1
007	5.0
BARRACUDA	5.0
CHINOOK (H10G-OP)	5.0
CRYSTAL BLUE LINKS	5.0
KINGDOM	5.0
PENNCROSS	5.0
SHARK	5.0
V-8	5.0
NIGHTLIFE	4.7
PIRANHA (DC-1)	4.7
PST-ORBS	4.7
DLFPS-AT/3026	4.3
GREENTIME	4.3
MUSKET (PPG-AT 104)	4.3
PST-DCV6	4.3
ARMOR	4.0
L-93XD	4.0
LSD VALUE	0.6
C.V. (%)	7.9

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

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

TABLE 14B. SUMMER DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

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

NAME	ND1
007	5.0
BARRACUDA	5.0
CHINOOK (H10G-OP)	5.0
CRYSTAL BLUE LINKS	5.0
KINGDOM	5.0
PENNCROSS	5.0
SHARK	5.0
V-8	5.0
NIGHTLIFE	4.7
PIRANHA (DC-1)	4.7
PST-ORBS	4.7
PST-DCV6	4.3
ARMOR	4.0
L-93XD	4.0
LSD VALUE	0.5
C.V. (%)	6.5

TABLE 14C. SUMMER DENSITY RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

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

NAME	ND1
DLFPS-AT/3026	4.3
GREENTIME	4.3
MUSKET (PPG-AT 104)	4.3
LSD VALUE	0.9
C.V. (%)	13.3

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

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



TABLE 15A. FALL DENSITY RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

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

NAME	ND1	NJ1	MEAN
BARRACUDA	6.7	6.3	6.5
PIRANHA (DC-1)	6.0	7.0	6.5
SHARK	7.0	6.0	6.5
CHINOOK (H10G-OP)	7.0	5.7	6.3
L-93XD	6.0	6.7	6.3
V-8	7.0	5.7	6.3
007	6.0	6.3	6.2
DLFPS-AT/3026	5.3	7.0	6.2
NIGHTLIFE	6.0	6.0	6.0
KINGDOM	6.3	5.3	5.8
PST-DCV6	6.0	5.0	5.5
PST-ORBS	6.0	5.0	5.5
GREENTIME	6.0	4.7	5.3
MUSKET (PPG-AT 104)	6.0	4.7	5.3
CRYSTAL BLUE LINKS	6.3	4.3	5.3
ARMOR	5.3	4.0	4.7
PENNCROSS	6.0	2.3	4.2
LSD VALUE	0.5	1.7	0.9
C.V. (%)	5.1	19.2	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 15B. FALL DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

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

NAME	ND1	NJ1	MEAN
BARRACUDA	6.7	6.3	6.5
PIRANHA (DC-1)	6.0	7.0	6.5
SHARK	7.0	6.0	6.5
CHINOOK (H10G-OP)	7.0	5.7	6.3
L-93XD	6.0	6.7	6.3
V-8	7.0	5.7	6.3
007	6.0	6.3	6.2
NIGHTLIFE	6.0	6.0	6.0
KINGDOM	6.3	5.3	5.8
PST-DCV6	6.0	5.0	5.5
PST-ORBS	6.0	5.0	5.5
CRYSTAL BLUE LINKS	6.3	4.3	5.3
ARMOR	5.3	4.0	4.7
PENNCROSS	6.0	2.3	4.2
LSD VALUE	0.5	1.5	0.8
C.V. (%)	4.9	17.6	12.1

TABLE 15C. FALL DENSITY RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

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

NAME	ND1	NJ1	MEAN
DLFPS-AT/3026	5.3	7.0	6.2
GREENTIME	6.0	4.7	5.3
MUSKET (PPG-AT 104)	6.0	4.7	5.3
LSD VALUE	0.5	2.2	1.1
C.V. (%)	5.8	25.2	17.8

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

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

TABLE 16A. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	KY1	ND1	VA1	MEAN
SHARK	93.3	56.7	91.7	80.6
CHINOOK (H10G-OP)	91.7	56.7	85.0	77.8
CRYSTAL BLUE LINKS	86.7	56.7	86.7	76.7
BARRACUDA	95.0	46.7	85.0	75.6
007	91.7	48.3	85.0	75.0
V-8	85.0	56.7	83.3	75.0
PENNCROSS	90.0	55.0	78.3	74.4
GREENTIME	91.7	36.7	90.0	72.8
DLFPS-AT/3026	86.7	38.3	91.7	72.2
MUSKET (PPG-AT 104)	90.0	35.0	90.0	71.7
PST-DCV6	91.7	45.0	78.3	71.7
NIGHTLIFE	90.0	45.0	78.3	71.1
PIRANHA (DC-1)	88.3	46.7	78.3	71.1
PST-ORBS	88.3	45.0	80.0	71.1
KINGDOM	86.7	46.7	78.3	70.6
L-93XD	86.7	45.0	78.3	70.0
ARMOR	85.0	36.7	75.0	65.6
LSD VALUE	8.4	4.6	8.8	4.3
C.V. (%)	5.9	6.2	6.6	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 16B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	KY1	ND1	VA1	MEAN
SHARK	93.3	56.7	91.7	80.6
CHINOOK (H10G-OP)	91.7	56.7	85.0	77.8
CRYSTAL BLUE LINKS	86.7	56.7	86.7	76.7
BARRACUDA	95.0	46.7	85.0	75.6
007	91.7	48.3	85.0	75.0
V-8	85.0	56.7	83.3	75.0
PENNCROSS	90.0	55.0	78.3	74.4
PST-DCV6	91.7	45.0	78.3	71.7
NIGHTLIFE	90.0	45.0	78.3	71.1
PIRANHA (DC-1)	88.3	46.7	78.3	71.1
PST-ORBS	88.3	45.0	80.0	71.1
KINGDOM	86.7	46.7	78.3	70.6
L-93XD	86.7	45.0	78.3	70.0
ARMOR	85.0	36.7	75.0	65.6
LSD VALUE	7.1	4.3	8.9	4.1
C.V. (%)	5.0	5.4	6.8	6.0

TABLE 16C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	KY1	ND1	VA1	MEAN
GREENTIME	91.7	36.7	90.0	72.8
DLFPS-AT/3026	86.7	38.3	91.7	72.2
MUSKET (PPG-AT 104)	90.0	35.0	90.0	71.7
LSD VALUE	12.9	6.0	8.5	5.5
C.V. (%)	8.9	10.2	5.8	8.2

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

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

TABLE 17A. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	ND1	VA1	MEAN
SHARK	80.0	94.7	87.3
V-8	75.0	96.3	85.7
CHINOOK (H10G-OP)	75.0	95.0	85.0
CRYSTAL BLUE LINKS	71.7	94.7	83.2
PIRANHA (DC-1)	70.0	95.0	82.5
PST-ORBS	70.0	94.7	82.3
BARRACUDA	75.0	88.3	81.7
NIGHTLIFE	68.3	93.3	80.8
007	68.3	93.0	80.7
KINGDOM	73.3	88.0	80.7
MUSKET (PPG-AT 104)	65.0	93.3	79.2
PENNCROSS	70.0	88.3	79.2
DLFPS-AT/3026	56.7	99.0	77.8
ARMOR	60.0	91.7	75.8
L-93XD	60.0	91.7	75.8
PST-DCV6	65.0	86.3	75.7
GREENTIME	58.3	90.0	74.2
LSD VALUE	3.4	9.6	5.1
C.V. (%)	3.1	6.5	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 17B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	ND1	VA1	MEAN
SHARK	80.0	94.7	87.3
V-8	75.0	96.3	85.7
CHINOOK (H10G-OP)	75.0	95.0	85.0
CRYSTAL BLUE LINKS	71.7	94.7	83.2
PIRANHA (DC-1)	70.0	95.0	82.5
PST-ORBS	70.0	94.7	82.3
BARRACUDA	75.0	88.3	81.7
NIGHTLIFE	68.3	93.3	80.8
007	68.3	93.0	80.7
KINGDOM	73.3	88.0	80.7
PENNCROSS	70.0	88.3	79.2
ARMOR	60.0	91.7	75.8
L-93XD	60.0	91.7	75.8
PST-DCV6	65.0	86.3	75.7
LSD VALUE	3.3	10.6	5.5
C.V. (%)	2.9	7.1	6.0

TABLE 17C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	ND1	VA1	MEAN
MUSKET (PPG-AT 104)	65.0	93.3	79.2
DLFPS-AT/3026	56.7	99.0	77.8
GREENTIME	58.3	90.0	74.2
LSD VALUE	3.8	2.7	2.3
C.V. (%)	3.9	1.8	2.6

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. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	ND1	NJ1	MEAN
CRYSTAL BLUE LINKS	99.0	76.7	87.8
BARRACUDA	90.0	81.7	85.8
CHINOOK (H10G-OP)	99.0	65.0	82.0
SHARK	99.0	65.0	82.0
PIRANHA (DC-1)	95.0	68.3	81.7
V-8	99.0	63.3	81.2
PENNCROSS	90.0	70.0	80.0
007	96.3	60.0	78.2
KINGDOM	97.7	51.7	74.7
L-93XD	90.0	58.3	74.2
NIGHTLIFE	90.0	58.3	74.2
ARMOR	86.7	56.7	71.7
GREENTIME	90.0	45.0	67.5
DLFPS-AT/3026	88.3	45.0	66.7
PST-DCV6	85.0	45.0	65.0
PST-ORBS	85.0	45.0	65.0
MUSKET (PPG-AT 104)	88.3	40.0	64.2
LSD VALUE	3.6	14.9	7.7
C.V. (%)	2.4	15.9	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.

TABLE 18B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	ND1	NJ1	MEAN
CRYSTAL BLUE LINKS	99.0	76.7	87.8
BARRACUDA	90.0	81.7	85.8
CHINOOK (H10G-OP)	99.0	65.0	82.0
SHARK	99.0	65.0	82.0
PIRANHA (DC-1)	95.0	68.3	81.7
V-8	99.0	63.3	81.2
PENNCROSS	90.0	70.0	80.0
007	96.3	60.0	78.2
KINGDOM	97.7	51.7	74.7
L-93XD	90.0	58.3	74.2
NIGHTLIFE	90.0	58.3	74.2
ARMOR	86.7	56.7	71.7
PST-DCV6	85.0	45.0	65.0
PST-ORBS	85.0	45.0	65.0
LSD VALUE	1.9	15.7	7.9
C.V. (%)	1.3	15.8	9.0

TABLE 18C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	ND1	NJ1	MEAN
GREENTIME	90.0	45.0	67.5
DLFPS-AT/3026	88.3	45.0	66.7
MUSKET (PPG-AT 104)	88.3	40.0	64.2
LSD VALUE	7.6	10.4	6.4
C.V. (%)	5.3	14.9	8.5

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

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



TABLE 19A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

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

NAME	KS1	MD1	MI1	MO1	NJ1	MEAN
DLFPS-AT/3026	7.3	8.7	7.3	8.7	8.7	8.1
MUSKET (PPG-AT 104)	7.0	7.0	7.0	9.0	8.0	7.6
007	8.0	7.7	5.7	9.0	7.3	7.5
BARRACUDA	8.7	7.7	5.3	8.0	7.3	7.4
CHINOOK (H10G-OP)	7.7	9.0	6.3	5.3	7.3	7.1
L-93XD	7.3	8.7	5.0	6.0	7.7	6.9
PIRANHA (DC-1)	7.7	8.7	6.3	5.3	6.3	6.9
GREENTIME	7.3	7.0	3.3	8.3	8.0	6.8
V-8	6.0	7.7	3.7	8.3	6.7	6.5
SHARK	7.7	6.3	3.3	8.0	6.0	6.3
CRYSTAL BLUE LINKS	7.0	7.0	3.3	5.7	6.3	5.9
NIGHTLIFE	6.7	6.7	2.7	6.0	6.7	5.7
PST-ORBS	7.7	4.7	2.0	6.7	6.7	5.5
KINGDOM	6.3	6.0	2.3	6.3	5.7	5.3
PENNCROSS	5.3	6.0	3.3	6.0	5.7	5.3
PST-DCV6	7.0	3.7	2.0	5.3	6.7	4.9
ARMOR	7.0	3.0	1.3	3.3	4.7	3.9
LSD VALUE	2.2	1.0	1.8	3.5	1.4	1.0
C.V. (%)	19.4	9.0	27.1	32.2	12.7	21.3

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 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/						
NAME	KS1	MD1	MI1	MO1	NJ1	MEAN
007	8.0	7.7	5.7	9.0	7.3	7.5
BARRACUDA	8.7	7.7	5.3	8.0	7.3	7.4
CHINOOK (H10G-OP)	7.7	9.0	6.3	5.3	7.3	7.1
L-93XD	7.3	8.7	5.0	6.0	7.7	6.9
PIRANHA (DC-1)	7.7	8.7	6.3	5.3	6.3	6.9
V-8	6.0	7.7	3.7	8.3	6.7	6.5
SHARK	7.7	6.3	3.3	8.0	6.0	6.3
CRYSTAL BLUE LINKS	7.0	7.0	3.3	5.7	6.3	5.9
NIGHTLIFE	6.7	6.7	2.7	6.0	6.7	5.7
PST-ORBS	7.7	4.7	2.0	6.7	6.7	5.5
KINGDOM	6.3	6.0	2.3	6.3	5.7	5.3
PENNCROSS	5.3	6.0	3.3	6.0	5.7	5.3
PST-DCV6	7.0	3.7	2.0	5.3	6.7	4.9
ARMOR	7.0	3.0	1.3	3.3	4.7	3.9
LSD VALUE	2.4	1.0	1.9	3.8	1.5	1.0
C.V. (%)	20.5	9.0	30.7	37.4	14.4	23.7

TABLE 19C. DOLLAR SPOT RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/						
NAME	KS1	MD1	MI1	MO1	NJ1	MEAN
DLFPS-AT/3026	7.3	8.7	7.3	8.7	8.7	8.1
MUSKET (PPG-AT 104)	7.0	7.0	7.0	9.0	8.0	7.6
GREENTIME	7.3	7.0	3.3	8.3	8.0	6.8
LSD VALUE	1.5	1.1	1.5	1.2	0.5	0.5
C.V. (%)	13.1	8.8	16.0	8.6	4.1	10.1

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

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

TABLE 20A. BROWN PATCH (WARM TEMPERATURE) RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

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

NAME	MD1	MO1	NJ1	MEAN
ARMOR	9.0	9.0	7.0	8.3
L-93XD	9.0	9.0	7.0	8.3
PIRANHA (DC-1)	9.0	9.0	6.7	8.2
CHINOOK (H10G-OP)	9.0	9.0	6.3	8.1
NIGHTLIFE	9.0	9.0	6.3	8.1
PST-DCV6	8.7	9.0	6.7	8.1
KINGDOM	9.0	9.0	5.7	7.9
007	9.0	9.0	5.3	7.8
V-8	9.0	9.0	5.3	7.8
PST-ORBS	9.0	9.0	5.0	7.7
SHARK	9.0	9.0	5.0	7.7
BARRACUDA	8.7	9.0	5.3	7.7
CRYSTAL BLUE LINKS	8.3	8.7	5.0	7.3
PENNCROSS	8.7	9.0	3.7	7.1
DLFPS-AT/3026	6.7	6.7	3.3	5.6
MUSKET (PPG-AT 104)	6.7	6.0	2.3	5.0
GREENTIME	5.7	3.3	1.7	3.6
LSD VALUE	0.9	1.1	1.7	0.7
C.V. (%)	6.6	8.2	20.5	10.9

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

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

TABLE 20B. BROWN PATCH (WARM TEMPERATURE) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/				
NAME	MD1	MO1	NJ1	MEAN
ARMOR	9.0	9.0	7.0	8.3
L-93XD	9.0	9.0	7.0	8.3
PIRANHA (DC-1)	9.0	9.0	6.7	8.2
CHINOOK (H10G-OP)	9.0	9.0	6.3	8.1
NIGHTLIFE	9.0	9.0	6.3	8.1
PST-DCV6	8.7	9.0	6.7	8.1
KINGDOM	9.0	9.0	5.7	7.9
007	9.0	9.0	5.3	7.8
V-8	9.0	9.0	5.3	7.8
PST-ORBS	9.0	9.0	5.0	7.7
SHARK	9.0	9.0	5.0	7.7
BARRACUDA	8.7	9.0	5.3	7.7
CRYSTAL BLUE LINKS	8.3	8.7	5.0	7.3
PENNCROSS	8.7	9.0	3.7	7.1
LSD VALUE	0.5	0.2	1.7	0.6
C.V. (%)	3.5	1.7	18.0	8.0

TABLE 20C. BROWN PATCH (WARM TEMPERATURE) RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2009 DATA

BROWN PATCH RATINGS 1-9; 9=NO DISEASE 2/				
NAME	MD1	MO1	NJ1	MEAN
DLFPS-AT/3026	6.7	6.7	3.3	5.6
MUSKET (PPG-AT 104)	6.7	6.0	2.3	5.0
GREENTIME	5.7	3.3	1.7	3.6
LSD VALUE	1.9	2.6	1.9	1.2
C.V. (%)	18.2	30.0	47.2	28.0

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 21A. PYTHIUM ROOT ROT RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2015 DATA

PYTHIUM ROOT ROT RATINGS 1-9; 9=NO DISEASE 2/

NAME	NJ1
ARMOR	8.7
L-93XD	8.7
NIGHTLIFE	8.7
V-8	8.7
KINGDOM	8.3
007	8.0
SHARK	8.0
BARRACUDA	7.3
PENNCROSS	7.0
CHINOOK (H10G-OP)	6.3
CRYSTAL BLUE LINKS	6.0
PIRANHA (DC-1)	6.0
PST-DCV6	6.0
PST-ORBS	6.0
GREENTIME	3.7
DLFPS-AT/3026	3.0
MUSKET (PPG-AT 104)	3.0
LSD VALUE	1.5
C.V. (%)	13.9

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

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

TABLE 21B. PYTHIUM ROOT ROT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2015 DATA

PYTHIUM ROOT ROT RATINGS 1-9; 9=NO DISEASE 2/

NAME	NJ1
ARMOR	8.7
L-93XD	8.7
NIGHTLIFE	8.7
V-8	8.7
KINGDOM	8.3
007	8.0
SHARK	8.0
BARRACUDA	7.3
PENNCROSS	7.0
CHINOOK (H10G-OP)	6.3
CRYSTAL BLUE LINKS	6.0
PIRANHA (DC-1)	6.0
PST-DCV6	6.0
PST-ORBS	6.0
LSD VALUE	1.4
C.V. (%)	12.2

TABLE 21C. PYTHIUM ROOT ROT RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2015 DATA

PYTHIUM ROOT ROT RATINGS 1-9; 9=NO DISEASE 2/

NAME	NJ1
GREENTIME	3.7
DLFPS-AT/3026	3.0
MUSKET (PPG-AT 104)	3.0
LSD VALUE	1.7
C.V. (%)	32.7

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 22A. FALL COLOR (NOVEMBER) RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2015 DATA

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

NAME	IL1
V-8	7.3
NIGHTLIFE	7.0
PENNCROSS	6.7
ARMOR	6.3
PIRANHA (DC-1)	6.3
PST-DCV6	6.3
CHINOOK (H10G-OP)	6.0
MUSKET (PPG-AT 104)	6.0
PST-ORBS	6.0
SHARK	6.0
BARRACUDA	5.7
GREENTIME	5.7
KINGDOM	5.7
L-93XD	5.3
007	4.3
CRYSTAL BLUE LINKS	4.3
DLFPS-AT/3026	3.7
LSD VALUE	1.4
C.V. (%)	14.5

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 22B. FALL COLOR (NOVEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2015 DATA

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

NAME	IL1
V-8	7.3
NIGHTLIFE	7.0
PENNCROSS	6.7
ARMOR	6.3
PIRANHA (DC-1)	6.3
PST-DCV6	6.3
CHINOOK (H10G-OP)	6.0
PST-ORBS	6.0
SHARK	6.0
BARRACUDA	5.7
KINGDOM	5.7
L-93XD	5.3
007	4.3
CRYSTAL BLUE LINKS	4.3
LSD VALUE	1.4
C.V. (%)	15.1

TABLE 22C. FALL COLOR (NOVEMBER) RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE  
2015 DATA

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

NAME	IL1
MUSKET (PPG-AT 104)	6.0
GREENTIME	5.7
DLFPS-AT/3026	3.7
LSD VALUE	0.8
C.V. (%)	9.2

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

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



TABLE 23A. PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE 2/  
2015 DATA

NAME	IL1	KY1	MI1	MO1	MEAN
BARRACUDA	66.7	70.0	71.7	96.0	76.1
CRYSTAL BLUE LINKS	66.7	66.7	72.3	97.3	75.8
007	71.7	58.3	68.3	95.7	73.5
V-8	66.7	58.3	73.3	95.7	73.5
PENNCROSS	65.0	58.3	75.0	93.0	72.8
CHINOOK (H10G-OP)	60.0	56.7	76.3	95.7	72.2
NIGHTLIFE	66.7	60.0	56.7	97.3	70.2
KINGDOM	53.3	55.0	75.0	96.3	69.9
GREENTIME	63.3	58.3	51.7	91.7	66.3
DLFPS-AT/3026	60.0	50.0	58.3	95.7	66.0
PST-DCV6	50.0	58.3	60.0	95.7	66.0
PIRANHA (DC-1)	50.0	51.7	64.0	96.0	65.4
ARMOR	56.7	46.7	61.7	93.3	64.6
MUSKET (PPG-AT 104)	51.7	58.3	50.0	97.7	64.4
SHARK	50.0	56.7	53.3	95.7	63.9
L-93XD	53.3	46.7	58.3	94.3	63.2
PST-ORBS	53.3	50.0	55.0	93.0	62.8
LSD VALUE	22.0	11.9	17.7	4.5	7.7
C.V. (%)	23.2	13.1	17.3	3.0	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 23B. PERCENT ESTABLISHMENT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE 2/  
2015 DATA

NAME	IL1	KY1	MI1	MO1	MEAN
BARRACUDA	66.7	70.0	71.7	96.0	76.1
CRYSTAL BLUE LINKS	66.7	66.7	72.3	97.3	75.8
007	71.7	58.3	68.3	95.7	73.5
V-8	66.7	58.3	73.3	95.7	73.5
PENNCROSS	65.0	58.3	75.0	93.0	72.8
CHINOOK (H10G-OP)	60.0	56.7	76.3	95.7	72.2
NIGHTLIFE	66.7	60.0	56.7	97.3	70.2
KINGDOM	53.3	55.0	75.0	96.3	69.9
PST-DCV6	50.0	58.3	60.0	95.7	66.0
PIRANHA (DC-1)	50.0	51.7	64.0	96.0	65.4
ARMOR	56.7	46.7	61.7	93.3	64.6
SHARK	50.0	56.7	53.3	95.7	63.9
L-93XD	53.3	46.7	58.3	94.3	63.2
PST-ORBS	53.3	50.0	55.0	93.0	62.8
LSD VALUE	20.6	10.4	17.2	4.3	7.3
C.V. (%)	21.6	11.4	16.3	2.8	13.1

TABLE 23C. PERCENT ESTABLISHMENT RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/  
GROWN ON A FAIRWAY OR TEE 2/  
2015 DATA

NAME	IL1	KY1	MI1	MO1	MEAN
GREENTIME	63.3	58.3	51.7	91.7	66.3
DLFPS-AT/3026	60.0	50.0	58.3	95.7	66.0
MUSKET (PPG-AT 104)	51.7	58.3	50.0	97.7	64.4
LSD VALUE	27.7	17.2	19.5	5.5	9.6
C.V. (%)	29.6	19.2	22.8	3.6	18.2

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

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

TABLE 24A. DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE AT MANHATTAN, KS 1/  
2015 DATA

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

NAME	JUNE	JULY	AUGUST	MEAN
BARRACUDA	8.7	6.0	6.3	7.0
CHINOOK (H10G-OP)	7.7	6.3	7.0	7.0
007	8.0	5.3	6.0	6.4
DLFPS-AT/3026	7.3	6.0	6.0	6.4
PIRANHA (DC-1)	7.7	6.3	5.0	6.3
GREENTIME	7.3	5.0	6.0	6.1
SHARK	7.7	5.3	5.0	6.0
NIGHTLIFE	6.7	5.0	6.0	5.9
PST-DCV6	7.0	6.0	4.7	5.9
MUSKET (PPG-AT 104)	7.0	5.3	5.0	5.8
ARMOR	7.0	5.0	4.7	5.6
PST-ORBS	7.7	5.0	4.0	5.6
V-8	6.0	4.7	6.0	5.6
CRYSTAL BLUE LINKS	7.0	5.3	3.7	5.3
L-93XD	7.3	4.7	3.7	5.2
KINGDOM	6.3	4.7	4.3	5.1
PENNCROSS	5.3	4.0	3.7	4.3
LSD VALUE	4.2	4.5	7.1	4.7
C.V. (%)	19.9	26.2	43.3	24.9

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

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

TABLE 24B. DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE AT MANHATTAN, KS 1/  
2015 DATA

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

NAME	DOLLSPOT	DLSPJUL	DLSPAUG	DLSPMEAN
BARRACUDA	8.7	6.0	6.3	7.0
CHINOOK (H10G-OP)	7.7	6.3	7.0	7.0
007	8.0	5.3	6.0	6.4
PIRANHA (DC-1)	7.7	6.3	5.0	6.3
SHARK	7.7	5.3	5.0	6.0
NIGHTLIFE	6.7	5.0	6.0	5.9
PST-DCV6	7.0	6.0	4.7	5.9
ARMOR	7.0	5.0	4.7	5.6
PST-ORBS	7.7	5.0	4.0	5.6
V-8	6.0	4.7	6.0	5.6
CRYSTAL BLUE LINKS	7.0	5.3	3.7	5.3
L-93XD	7.3	4.7	3.7	5.2
KINGDOM	6.3	4.7	4.3	5.1
PENNCROSS	5.3	4.0	3.7	4.3
LSD VALUE	4.2	4.4	5.7	4.4
C.V. (%)	21.1	27.8	40.3	25.3

TABLE 24C. DOLLAR SPOT RATINGS OF COLONIAL BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE AT MANHATTAN, KS 1/  
2015 DATA

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

NAME	DOLLSPOT	DLSPJUL	DLSPAUG	DLSPMEAN
DLFPS-AT/3026	7.3	6.0	6.0	6.4
GREENTIME	7.3	5.0	6.0	6.1
MUSKET (PPG-AT 104)	7.0	5.3	5.0	5.8
LSD VALUE	2.4	1.5	6.9	3.2
C.V. (%)	14.6	12.2	52.4	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.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR BENTGRASS CULTIVARS  
GROWN ON A FAIRWAY OR TEE  
2015 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
007	6.0	58.3
ARMOR	5.5	33.3
BARRACUDA	6.0	41.7
CHINOOK (H10G-OP)	6.1	50.0
CRYSTAL BLUE LINKS	5.8	8.3
DLFPS-AT/3026	5.6	8.3
GREENTIME	5.1	8.3
KINGDOM	5.9	16.7
L-93XD	6.0	25.0
MUSKET (PPG-AT 104)	5.5	0.0
NIGHTLIFE	5.8	25.0
PENNCROSS	4.9	0.0
PIRANHA (DC-1)	6.3	58.3
PST-DCV6	5.6	16.7
PST-ORBS	5.7	8.3
SHARK	5.9	33.3
V-8	5.9	8.3
LSD VALUE	0.2	
C.V. (%)	7.8	

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

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

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

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