

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:

Mr. Aaron Kuenzi, Mountain View Seeds
Mr. Ryan Jeffries, Columbia Seeds, Inc.
Dr. Cole Thompson, USGA Green Section
Dr. Charles Fontanier, Oklahoma State University
Dr. Alec Kowalewski, Oregon State University
Mr. Mike Selman, Buena Vista Turf Farm
Mr. Mark Johnson, Golf Course Superintendents Assoc. of America
Dr. Aaron Patton, Purdue University
Mr. Steve Reid, DLF Pickseed USA
Mr. Steve Rackliffe, University of Connecticut

FOR ADDITIONAL REPORTS OR INFORMATION CONTACT:

Kevin Morris, Executive Director
National Turfgrass Evaluation Program
Beltsville Agricultural Research Center-West
Building 005, Room 307
Beltsville, Maryland 20705
kmorris@ntep.org
www.ntep.org

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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 2019

State	Location	Code
Arkansas	Fayetteville	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	MA1
Maryland	College Park	MD1
Michigan	East Lansing	MI1
Missouri	Columbia	MO1
New Jersey	North Brunswick	NJ1
North Dakota	Fargo (Winter Tolerance)	ND1
Utah	Logan (Reduced Irrigation)	UT1
Virginia	Blacksburg	VA1
Virginia	Blacksburg (Traffic)	VA2
Washington	Puyallup	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-93 XD	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-ORBS	Creeping	Pure Seed Testing Inc
*17	PC2.0 (PST-OCV6)	Creeping	Tee-2-Green

* Commercially Available in the US or any Other Country in 2020.

TABLE A.

2015-19 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	SANDY LOAM	7.6-8.5	61-150	151-240	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
KS1	SILTY CLAY LOAM	6.6-7.0	151-270	151-240	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
KY1	SILT LOAM AND SILT	4.6-5.5	451+	241-375	1.1-2.0	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	3.1-4.0	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	6.1-6.5	451+	241-375	1.1-2.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
UT1	SILT LOAM AND SILT	7.1-7.5	0-60	0-150	-	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
VA1	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT DORMANCY
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

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2015-19

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	X	
IN1				X	X	X	X	X	X	X	X		X		X
KS1				X	X	X	X	X	X	X			X		
KY1			X	X	X	X	X	X	X	X	X		X		
MA1			X	X	X	X	X	X	X	X	X	X		X	
MD1					X	X	X	X	X	X	X				
MI1				X	X	X	X	X	X	X			X	X	
MO1			X	X	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	X
UT1				X	X	X	X	X	X	X			X	X	
VA1						X	X		X	X	X		X	X	
VA2			X	X	X	X	X	X	X	X	X		X	X	
WA1				X	X	X	X	X	X	X			X	X	

TABLE B.
(CONT'D)

LOCATIONS AND DATA COLLECTED IN 2015-19

LOCATION	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	DOLLAR SPOT	BROWN PATCH WARM TEMP.	ANTHRACNOSE RATINGS	PYTHIUM ROOT ROT
AR2	X				X	X	X	X			
CA3	X				X	X	X				
IA1								X	X		
IL1											
IN1		X	X					X			
KS1								X			
KY1					X						
MA1											
MD1								X	X		
MI1											
MO1	X							X	X		
ND1		X	X	X	X	X	X				
NJ1	X			X			X	X	X	X	X
UT1	X				X	X	X				
VA1					X	X					
VA2											
WA1	X										

TABLE B.
(CONT'D)

LOCATIONS AND DATA COLLECTED IN 2015-19

LOCATION	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	SEEDHEAD RATINGS	POA ANNUA	MOWING QUALITY	PERCENT ESTABLISH- MENT	PERCENT CRABGRASS
AR2								
CA3								
IA1								
IL1	X	X					X	
* IN1						X	X	
KS1								
KY1	X						X	
* MA1								
MD1								X
MI1	X						X	
MO1							X	
ND1								
NJ1		X						
UT1								
VA1								
* VA2								
WA1								

* MORE DATA FOR IN1, MA1 AND VA2 IN TABLE 19, 16 AND 17.

TABLE 1A.

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

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

NAME	ENTRY #	NJ1	VA1	KY1	IL1	MI1	IA1	KS1	MEAN
* PIRANHA (DC-1)	11	7.4	7.6	7.6	4.6	6.8	5.9	5.6	6.5
* L-93XD	6	7.3	7.6	7.3	4.2	6.4	5.7	5.3	6.2
* CHINOOK (H10G-OP)	13	6.3	7.2	7.4	4.5	6.6	5.9	5.6	6.2
* 007	2	7.1	7.7	7.0	3.7	6.5	5.8	5.1	6.1
* BARRACUDA	15	6.3	7.2	7.2	4.3	6.3	5.7	5.3	6.0
* V-8	10	6.0	7.0	7.1	4.2	6.3	5.7	5.3	5.9
* SHARK	14	5.6	6.7	7.2	4.4	6.3	5.6	5.4	5.9
DLFPS-AT/3026	1	6.1	6.2	7.2	4.5	6.3	5.1	5.2	5.8
* CRYSTAL BLUE LINKS	4	5.5	6.9	7.0	4.1	6.0	5.6	5.2	5.8
* NIGHTLIFE	9	5.6	7.2	7.0	4.2	5.5	5.6	5.2	5.7
* KINGDOM	8	4.8	7.1	7.0	4.3	5.3	5.7	5.3	5.7
* MUSKET (PPG-AT 104)	12	5.6	6.1	7.0	4.4	6.0	5.1	5.1	5.6
PST-ORBS	16	4.9	6.6	7.0	4.4	5.6	5.4	5.2	5.6
* PC2.0 (PST-OCV6)	17	5.3	6.7	7.0	4.4	5.3	5.3	5.1	5.6
* ARMOR	7	4.5	6.3	7.2	5.1	4.9	5.3	5.3	5.5
* GREENTIME	5	4.4	5.3	7.0	4.9	5.3	4.7	5.0	5.2
* PENNCROSS	3	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 2020

**/ 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 FAIRWAY OR TEE 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
PC2.0 (PST-0CV6)	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

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 1C. MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE 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

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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 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
PC2.0 (PST-0CV6)	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

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

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

TABLE 2B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
 A FAIRWAY OR TEE 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
PC2.0 (PST-0CV6)	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

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 2C. MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/
 A FAIRWAY OR TEE 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

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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 RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
 A FAIRWAY OR TEE 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
PC2.0 (PST-0CV6)	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

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

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

TABLE 3B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
 A FAIRWAY OR TEE 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
PC2.0 (PST-0CV6)	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

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 3C. MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/
 A FAIRWAY OR TEE 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

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

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

TABLE 4A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2016 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							
NAME	# ENTRY	NJ1	MD1	IA1	MO1	KS1	MEAN
* PIRANHA (DC-1)	11	8.0	6.8	7.0	5.9	6.6	6.9
* L-93XD	6	7.7	6.6	6.6	5.9	6.4	6.6
* CHINOOK (H10G-OP)	13	7.3	6.6	6.7	5.9	6.6	6.6
* BARRACUDA	15	7.1	6.4	6.7	5.7	6.5	6.5
* 007	2	7.1	6.4	6.6	5.6	6.4	6.4
* V-8	10	6.7	6.2	6.6	5.4	6.4	6.3
* SHARK	14	6.6	6.1	6.6	5.3	6.4	6.2
DLFPS-AT/3026	1	5.9	5.9	5.7	5.4	6.1	5.8
* NIGHTLIFE	9	5.5	5.6	6.6	4.6	6.3	5.7
* CRYSTAL BLUE LINKS	4	5.4	5.6	6.4	4.8	6.3	5.7
* MUSKET (PPG-AT 104)	12	5.5	5.6	5.6	5.1	6.0	5.6
PST-ORBS	16	5.3	5.4	6.3	4.5	6.2	5.5
* PC2.0 (PST-0CV6)	17	5.1	5.4	6.4	4.5	6.2	5.5
* KINGDOM	8	4.6	5.2	6.6	4.3	6.4	5.4
* ARMOR	7	4.1	4.9	6.5	3.9	6.3	5.1
* GREENTIME	5	3.9	4.6	5.3	4.0	5.6	4.7
* PENNCROSS	3	2.6	3.9	5.1	3.3	5.5	4.1
LSD VALUE		0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)		8.5	8.6	7.8	10.0	7.9	8.5

* / COMMERCIALY AVAILABLE IN THE USA IN 2020

** / 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 4B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
 A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
 2016 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NJ1	MD1	IA1	MO1	KS1	MEAN
PIRANHA (DC-1)	8.0	6.8	7.0	5.9	6.6	6.9
L-93XD	7.7	6.6	6.6	5.9	6.4	6.6
CHINOOK (H10G-OP)	7.3	6.6	6.7	5.9	6.6	6.6
BARRACUDA	7.1	6.4	6.7	5.7	6.5	6.5
007	7.1	6.4	6.6	5.6	6.4	6.4
V-8	6.7	6.2	6.6	5.4	6.4	6.3
SHARK	6.6	6.1	6.6	5.3	6.4	6.2
NIGHTLIFE	5.5	5.6	6.6	4.6	6.3	5.7
CRYSTAL BLUE LINKS	5.4	5.6	6.4	4.8	6.3	5.7
PST-0RBS	5.3	5.4	6.3	4.5	6.2	5.5
PC2.0 (PST-0CV6)	5.1	5.4	6.4	4.5	6.2	5.5
KINGDOM	4.6	5.2	6.6	4.3	6.4	5.4
ARMOR	4.1	4.9	6.5	3.9	6.3	5.1
PENNCROSS	2.6	3.9	5.1	3.3	5.5	4.1
LSD VALUE	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)	8.3	8.5	7.6	9.9	7.8	8.3

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 4C. MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/
 A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
 2016 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NJ1	MD1	IA1	MO1	KS1	MEAN
DLFPS-AT/3026	5.9	5.9	5.7	5.4	6.1	5.8
MUSKET (PPG-AT 104)	5.5	5.6	5.6	5.1	6.0	5.6
GREENTIME	3.9	4.6	5.3	4.0	5.6	4.7
LSD VALUE	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)	9.6	9.2	8.9	10.2	8.4	9.2

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

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

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

TABLE 5A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
 A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
 2016 DATA

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

NAME	MI1
DLFPS-AT/3026	6.3
MUSKET (PPG-AT 104)	5.9
CHINOOK (H10G-OP)	5.7
BARRACUDA	5.5
L-93XD	5.4
V-8	5.4
CRYSTAL BLUE LINKS	5.2
GREENTIME	5.2
SHARK	5.2
007	5.2
PIRANHA (DC-1)	5.1
PC2.0 (PST-0CV6)	4.9
PENNCROSS	4.8
PST-0RBS	4.8
KINGDOM	4.7
NIGHTLIFE	4.6
ARMOR	4.5
LSD VALUE	0.8
C.V. (%)	9.5

*/ 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

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

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

TABLE 5B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2016 DATA

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

NAME	MI1
CHINOOK (H10G-OP)	5.7
BARRACUDA	5.5
L-93XD	5.4
V-8	5.4
CRYSTAL BLUE LINKS	5.2
SHARK	5.2
007	5.2
PIRANHA (DC-1)	5.1
PC2.0 (PST-0CV6)	4.9
PENNCROSS	4.8
PST-0RBS	4.8
KINGDOM	4.7
NIGHTLIFE	4.6
ARMOR	4.5
LSD VALUE	0.8
C.V. (%)	9.7

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

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

TABLE 5C. MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2016 DATA

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

NAME	MI1
DLFPS-AT/3026	6.3
MUSKET (PPG-AT 104)	5.9
GREENTIME	5.2
LSD VALUE	0.8
C.V. (%)	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

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
 A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
 2016 DATA

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

NAME	IL1
KINGDOM	7.8
ARMOR	7.8
CHINOOK (H10G-OP)	7.6
PIRANHA (DC-1)	7.6
NIGHTLIFE	7.6
BARRACUDA	7.6
CRYSTAL BLUE LINKS	7.6
V-8	7.6
PC2.0 (PST-0CV6)	7.6
SHARK	7.5
PST-0RBS	7.5
007	7.5
L-93XD	7.4
DLFPS-AT/3026	7.1
MUSKET (PPG-AT 104)	7.1
PENNCROSS	7.0
GREENTIME	6.9
LSD VALUE	0.8
C.V. (%)	6.6

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

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

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

TABLE 6B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2016 DATA

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

NAME	IL1
KINGDOM	7.8
ARMOR	7.8
CHINOOK (H10G-OP)	7.6
PIRANHA (DC-1)	7.6
NIGHTLIFE	7.6
BARRACUDA	7.6
CRYSTAL BLUE LINKS	7.6
V-8	7.6
PC2.0 (PST-0CV6)	7.6
SHARK	7.5
PST-0RBS	7.5
007	7.5
L-93XD	7.4
PENNCROSS	7.0
LSD VALUE	0.8
C.V. (%)	6.5

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 6C. MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3 */
2016 DATA

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

NAME	IL1
DLFPS-AT/3026	7.1
MUSKET (PPG-AT 104)	7.1
GREENTIME	6.9
LSD VALUE	0.8
C.V. (%)	7.0

*/ 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 7A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
2016 DATA

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

NAME	KY1
PENNCROSS	6.6
DLFPS-AT/3026	6.5
KINGDOM	6.5
ARMOR	6.4
CRYSTAL BLUE LINKS	6.4
MUSKET (PPG-AT 104)	6.4
GREENTIME	6.4
PC2.0 (PST-0CV6)	6.3
CHINOOK (H10G-OP)	6.2
PST-0RBS	6.1
V-8	6.1
BARRACUDA	6.1
NIGHTLIFE	6.0
SHARK	6.0
007	5.8
L-93XD	5.7
PIRANHA (DC-1)	5.6
LSD VALUE	0.8
C.V. (%)	8.0

*/ 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

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

TABLE 7B.

MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
2016 DATA

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

NAME	KY1
PENNCROSS	6.6
KINGDOM	6.5
ARMOR	6.4
CRYSTAL BLUE LINKS	6.4
PC2.0 (PST-0CV6)	6.3
CHINOOK (H10G-OP)	6.2
PST-0RBS	6.1
V-8	6.1
BARRACUDA	6.1
NIGHTLIFE	6.0
SHARK	6.0
007	5.8
L-93XD	5.7
PIRANHA (DC-1)	5.6
LSD VALUE	0.8
C.V. (%)	8.0

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

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

TABLE 7C.

MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 4 */
2016 DATA

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

NAME	KY1
DLFPS-AT/3026	6.5
MUSKET (PPG-AT 104)	6.4
GREENTIME	6.4
LSD VALUE	0.8
C.V. (%)	7.7

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

TABLE 8A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 5 */
2016 DATA

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

NAME	WA1
ARMOR	7.1
KINGDOM	7.1
NIGHTLIFE	6.9
PIRANHA (DC-1)	6.8
PC2.0 (PST-0CV6)	6.5
PST-0RBS	6.5
SHARK	6.4
007	6.4
CRYSTAL BLUE LINKS	6.3
V-8	6.3
BARRACUDA	6.3
CHINOOK (H10G-OP)	6.2
L-93XD	6.1
PENNCROSS	5.2
GREENTIME	4.9
MUSKET (PPG-AT 104)	4.8
DLFPS-AT/3026	4.6
LSD VALUE	0.8
C.V. (%)	8.0

*/ 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

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

TABLE 8B.

MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 5 */
2016 DATA

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

NAME	WA1
ARMOR	7.1
KINGDOM	7.1
NIGHTLIFE	6.9
PIRANHA (DC-1)	6.8
PC2.0 (PST-0CV6)	6.5
PST-0RBS	6.5
SHARK	6.4
007	6.4
CRYSTAL BLUE LINKS	6.3
V-8	6.3
BARRACUDA	6.3
CHINOOK (H10G-OP)	6.2
L-93XD	6.1
PENNCROSS	5.2
LSD VALUE	0.8
C.V. (%)	7.7

*/ 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

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

TABLE 8C.

MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 5 */
2016 DATA

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

NAME	WA1
GREENTIME	4.9
MUSKET (PPG-AT 104)	4.8
DLFPS-AT/3026	4.6
LSD VALUE	0.8
C.V. (%)	10.3

*/ 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 9A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2017 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/								
NAME	ENTRY #	NJ1	MD1	KY1	MI1	IA1	KS1	MEAN
* CHINOOK (H10G-OP)		7.3	7.1	7.9	6.7	6.5	6.4	7.0
* PIRANHA (DC-1)	13	7.3	7.7	7.6	6.4	5.9	5.8	6.8
* BARRACUDA	11	6.5	6.8	7.7	6.5	6.2	5.9	6.6
* SHARK	15	6.4	6.5	7.6	6.4	6.2	5.9	6.5
* 007	14	6.2	6.5	7.7	6.5	6.3	5.9	6.5
* V-8	2	6.2	6.1	7.7	6.5	6.4	6.0	6.5
* L-93XD	10	6.6	6.9	7.4	6.2	5.9	5.6	6.4
DLFPS-AT/3026	6	6.6	6.5	7.2	6.0	5.8	5.6	6.3
* CRYSTAL BLUE LINKS	1	5.4	5.4	7.8	6.6	6.6	6.0	6.3
* MUSKET (PPG-AT 104)	4	6.6	6.4	7.1	5.9	5.7	5.6	6.2
* NIGHTLIFE	12	4.7	5.3	7.7	6.6	6.5	5.7	6.1
* PC2.0 (PST-0CV6)	9	4.5	5.1	7.5	6.3	6.3	5.5	5.9
* GREENTIME	17	4.9	3.6	7.3	6.3	6.6	6.0	5.8
* KINGDOM	5	3.9	4.7	7.6	6.5	6.4	5.5	5.8
* ARMOR	8	3.8	4.3	7.5	6.4	6.5	5.5	5.7
PST-0RBS	7	4.0	4.4	7.3	6.2	6.3	5.4	5.6
* PENNCROSS	16	3.7	2.7	7.1	6.1	6.4	5.6	5.3
	3							
LSD VALUE		0.8	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)		8.9	8.8	6.6	7.8	7.9	8.7	8.0

*/ COMMERCIALLY AVAILABLE IN THE USA IN 2020

**/ 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 9B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
2017 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NJ1	MD1	KY1	MI1	IA1	KS1	MEAN
CHINOOK (H10G-OP)	7.3	7.1	7.9	6.7	6.5	6.4	7.0
PIRANHA (DC-1)	7.3	7.7	7.6	6.4	5.9	5.8	6.8
BARRACUDA	6.5	6.8	7.7	6.5	6.2	5.9	6.6
SHARK	6.4	6.5	7.6	6.4	6.2	5.9	6.5
007	6.2	6.5	7.7	6.5	6.3	5.9	6.5
V-8	6.2	6.1	7.7	6.5	6.4	6.0	6.5
L-93XD	6.6	6.9	7.4	6.2	5.9	5.6	6.4
CRYSTAL BLUE LINKS	5.4	5.4	7.8	6.6	6.6	6.0	6.3
NIGHTLIFE	4.7	5.3	7.7	6.6	6.5	5.7	6.1
PC2.0 (PST-OCV6)	4.5	5.1	7.5	6.3	6.3	5.5	5.9
KINGDOM	3.9	4.7	7.6	6.5	6.4	5.5	5.8
ARMOR	3.8	4.3	7.5	6.4	6.5	5.5	5.7
PST-ORBS	4.0	4.4	7.3	6.2	6.3	5.4	5.6
PENNCROSS	3.7	2.7	7.1	6.1	6.4	5.6	5.3
LSD VALUE	0.8	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)	9.1	8.8	6.6	7.7	7.9	8.7	8.0

*/ 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 9C. MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
2017 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	NJ1	MD1	KY1	MI1	IA1	KS1	MEAN
DLFPS-AT/3026	6.6	6.5	7.2	6.0	5.8	5.6	6.3
MUSKET (PPG-AT 104)	6.6	6.4	7.1	5.9	5.7	5.6	6.2
GREENTIME	4.9	3.6	7.3	6.3	6.6	6.0	5.8
LSD VALUE	0.8	0.8	0.8	0.8	0.8	0.8	0.8
C.V. (%)	8.2	9.0	6.9	8.2	8.3	8.7	8.2

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

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

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

TABLE 10A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2017 DATA

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

NAME	IL1	MO1	WA1	MEAN
NIGHTLIFE	7.8	6.0	7.0	6.9
KINGDOM	7.8	6.0	7.1	6.9
ARMOR	7.7	5.6	6.8	6.7
PC2.0 (PST-0CV6)	7.5	5.7	6.6	6.6
CRYSTAL BLUE LINKS 007	7.7	5.5	6.4	6.6
BARRACUDA	7.4	5.8	6.3	6.6
PIRANHA (DC-1)	7.3	5.8	6.2	6.6
PST-0RBS	7.1	5.9	6.1	6.5
CHINOOK (H10G-OP)	7.5	5.4	6.5	6.5
V-8	7.4	5.4	5.8	6.4
SHARK	7.4	5.4	6.0	6.4
L-93XD	7.3	5.4	6.0	6.3
DLFPS-AT/3026	7.0	5.6	6.0	6.3
MUSKET (PPG-AT 104)	6.7	4.9	5.3	5.8
PENNCROSS	6.6	4.7	5.1	5.7
GREENTIME	7.1	3.6	5.0	5.3
	7.1	3.6	4.8	5.3
LSD VALUE	0.8	0.8	0.8	0.8
C.V. (%)	6.8	9.4	8.2	7.9

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

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

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

TABLE 10B.

MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2017 DATA

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

NAME	IL1	MO1	WA1	MEAN
NIGHTLIFE	7.8	6.0	7.0	6.9
KINGDOM	7.8	6.0	7.1	6.9
ARMOR	7.7	5.6	6.8	6.7
PC2.0 (PST-0CV6)	7.5	5.7	6.6	6.6
CRYSTAL BLUE LINKS	7.7	5.5	6.4	6.6
007	7.4	5.8	6.3	6.6
BARRACUDA	7.3	5.8	6.2	6.6
PIRANHA (DC-1)	7.1	5.9	6.1	6.5
PST-0RBS	7.5	5.4	6.5	6.5
CHINOOK (H10G-OP)	7.4	5.4	5.8	6.4
V-8	7.4	5.4	6.0	6.4
SHARK	7.3	5.4	6.0	6.3
L-93XD	7.0	5.6	6.0	6.3
PENNCROSS	7.1	3.6	5.0	5.3
LSD VALUE	0.8	0.8	0.8	0.8
C.V. (%)	6.7	9.0	7.9	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 10C.

MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2017 DATA

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

NAME	IL1	MO1	WA1	MEAN
DLFPS-AT/3026	6.7	4.9	5.3	5.8
MUSKET (PPG-AT 104)	6.6	4.7	5.1	5.7
GREENTIME	7.1	3.6	4.8	5.3
LSD VALUE	0.8	0.8	0.8	0.8
C.V. (%)	7.3	11.3	9.9	8.9

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

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

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

TABLE 11A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2018 DATA

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

NAME	# ENTRY	NJ1	KY1	IA1	KS1	MEAN
DLFPS-AT/3026	1	7.1	6.9	6.8	5.1	6.4
* PIRANHA (DC-1)	11	7.4	6.8	6.7	4.3	6.3
* CHINOOK (H10G-OP)	13	7.5	6.7	6.7	4.3	6.3
* 007	2	7.0	6.7	6.7	4.2	6.2
* V-8	10	6.5	6.7	6.7	4.1	6.0
* BARRACUDA	15	6.0	6.7	6.7	4.2	5.9
* L-93XD	6	6.9	6.5	6.5	3.7	5.9
* MUSKET (PPG-AT 104)	12	6.4	6.2	6.2	3.8	5.7
* GREENTIME	5	4.7	6.5	6.4	5.0	5.6
* PENNCROSS	3	4.5	6.5	6.4	5.1	5.6
* SHARK	14	5.5	6.5	6.5	3.9	5.6
* CRYSTAL BLUE LINKS	4	4.5	6.6	6.7	4.1	5.5
* NIGHTLIFE	9	4.6	6.5	6.6	4.0	5.4
* PC2.0 (PST-0CV6)	17	4.1	6.6	6.6	4.3	5.4
* KINGDOM	8	4.2	6.3	6.4	3.8	5.2
PST-0RBS	16	3.5	6.4	6.4	4.0	5.1
* ARMOR	7	3.6	6.2	6.3	3.9	5.0
LSD VALUE		0.9	0.9	0.9	0.9	0.9
C.V. (%)		10.4	8.8	8.8	13.6	10.0

*/ COMMERCIALLY AVAILABLE IN THE USA IN 2020

**/ 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 11B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
2018 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	# ENTRY	NJ1	KY1	IA1	KS1	MEAN
* PIRANHA (DC-1)	11	7.4	6.8	6.7	4.3	6.3
* CHINOOK (H10G-OP)	13	7.5	6.7	6.7	4.3	6.3
* 007	2	7.0	6.7	6.7	4.2	6.2
* V-8	10	6.5	6.7	6.7	4.1	6.0
* BARRACUDA	15	6.0	6.7	6.7	4.2	5.9
* L-93XD	6	6.9	6.5	6.5	3.7	5.9
* PENNCROSS	3	4.5	6.5	6.4	5.1	5.6
* SHARK	14	5.5	6.5	6.5	3.9	5.6
* CRYSTAL BLUE LINKS	4	4.5	6.6	6.7	4.1	5.5
* NIGHTLIFE	9	4.6	6.5	6.6	4.0	5.4
* PC2.0 (PST-0CV6)	17	4.1	6.6	6.6	4.3	5.4
* KINGDOM	8	4.2	6.3	6.4	3.8	5.2
* PST-0RBS	16	3.5	6.4	6.4	4.0	5.1
* ARMOR	7	3.6	6.2	6.3	3.9	5.0
LSD VALUE		0.9	0.9	0.9	0.9	0.9
C.V. (%)		10.6	8.8	8.7	13.8	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 11C. MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
2018 DATA
TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	# ENTRY	NJ1	KY1	IA1	KS1	MEAN
DLFPS-AT/3026	1	7.1	6.9	6.8	5.1	6.4
* MUSKET (PPG-AT 104)	12	6.4	6.2	6.2	3.8	5.7
* GREENTIME	5	4.7	6.5	6.4	5.0	5.6
LSD VALUE		0.9	0.9	0.9	0.9	0.9
C.V. (%)		9.4	8.8	8.9	12.5	9.7

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

TABLE 12A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2018 DATA

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

NAME	# ENTRY	MD1	IL1	MI1	MO1	MEAN
V-8	10	6.6	7.4	6.9	5.3	6.5
BARRACUDA	15	6.3	7.4	6.9	5.3	6.5
CRYSTAL BLUE LINKS 007	4	5.7	7.6	6.9	5.6	6.5
L-93XD	2	6.5	7.3	6.8	5.1	6.4
NIGHTLIFE	6	6.8	7.1	6.6	5.0	6.4
PIRANHA (DC-1)	9	5.7	7.4	6.8	5.4	6.3
SHARK	11	6.5	7.2	6.7	5.0	6.3
CHINOOK (H10G-OP)	14	6.2	7.3	6.7	5.2	6.3
PC2.0 (PST-0CV6)	13	6.4	7.1	6.6	4.9	6.3
KINGDOM	17	5.0	7.5	6.7	5.4	6.2
PST-0RBS	8	5.4	7.2	6.5	5.2	6.1
ARMOR	16	5.0	7.4	6.6	5.3	6.1
MUSKET (PPG-AT 104)	7	4.8	7.2	6.5	5.1	5.9
DLFPS-AT/3026	12	5.9	6.8	6.2	4.6	5.9
GREENTIME	1	5.0	7.2	6.4	4.5	5.8
PENNCROSS	5	3.3	7.0	6.0	4.3	5.1
	3	3.1	7.1	6.1	4.3	5.1
LSD VALUE		0.9	0.9	0.9	0.9	0.9
C.V. (%)		10.4	7.9	8.7	11.4	9.4

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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 12B. MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2018 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	# ENTRY	MD1	IL1	MI1	MO1	MEAN
V-8	10	6.6	7.4	6.9	5.3	6.5
BARRACUDA	15	6.3	7.4	6.9	5.3	6.5
CRYSTAL BLUE LINKS	4	5.7	7.6	6.9	5.6	6.5
007	2	6.5	7.3	6.8	5.1	6.4
L-93XD	6	6.8	7.1	6.6	5.0	6.4
NIGHTLIFE	9	5.7	7.4	6.8	5.4	6.3
PIRANHA (DC-1)	11	6.5	7.2	6.7	5.0	6.3
SHARK	14	6.2	7.3	6.7	5.2	6.3
CHINOOK (H10G-OP)	13	6.4	7.1	6.6	4.9	6.3
PC2.0 (PST-0CV6)	17	5.0	7.5	6.7	5.4	6.2
KINGDOM	8	5.4	7.2	6.5	5.2	6.1
PST-0RBS	16	5.0	7.4	6.6	5.3	6.1
ARMOR	7	4.8	7.2	6.5	5.1	5.9
PENNCROSS	3	3.1	7.1	6.1	4.3	5.1
LSD VALUE		0.9	0.9	0.9	0.9	0.9
C.V. (%)		10.0	7.9	8.6	11.2	9.3

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

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

TABLE 12C. MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2018 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	# ENTRY	MD1	IL1	MI1	MO1	MEAN
MUSKET (PPG-AT 104)	12	5.9	6.8	6.2	4.6	5.9
DLFPS-AT/3026	1	5.0	7.2	6.4	4.5	5.8
GREENTIME	5	3.3	7.0	6.0	4.3	5.1
LSD VALUE		0.9	0.9	0.9	0.9	0.9
C.V. (%)		12.2	8.2	9.2	12.9	10.3

*/ 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 13A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2019 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/						
NAME	# ENTRY	MD1	IL1	MI1	MO1	MEAN
*CHINOOK (H10G-OP)	13	7.2	7.5	7.3	6.2	7.1
*007	2	7.0	7.6	7.3	6.2	7.0
*CRYSTAL BLUE LINKS	4	6.6	7.6	7.3	6.0	6.9
*SHARK	14	6.7	7.5	7.2	6.0	6.8
*PIRANHA (DC-1)	11	6.5	7.4	7.1	6.1	6.8
*BARRACUDA	15	6.5	7.4	7.1	6.0	6.8
*NIGHTLIFE	9	6.4	7.5	7.1	5.8	6.7
*L-93XD	6	6.8	7.2	6.9	5.9	6.7
*V-8	10	5.8	7.3	7.0	5.7	6.4
*PC2.0 (PST-0CV6)	17	4.6	7.7	7.2	5.6	6.3
PST-0RBS	16	4.4	7.7	7.2	5.5	6.2
*MUSKET (PPG-AT 104)	12	6.0	6.8	6.5	5.4	6.2
*ARMOR	7	5.3	7.1	6.7	5.3	6.1
*KINGDOM	8	4.9	7.3	6.9	5.3	6.1
DLFPS-AT/3026	1	5.1	6.5	6.2	5.0	5.7
*PENNCROSS	3	3.6	7.2	6.7	5.0	5.6
*GREENTIME	5	3.1	7.0	6.5	4.8	5.3
LSD VALUE		0.8	0.8	0.8	0.8	0.8
C.V. (%)		8.4	6.5	6.9	8.5	7.5

*/ COMMERCIALLY AVAILABLE IN THE USA IN 2020

**/ 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 13B.

MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
 A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
 2019 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	# ENTRY	MD1	IL1	MI1	MO1	MEAN
*CHINOOK (H10G-OP)	13	7.2	7.5	7.3	6.2	7.1
*007	2	7.0	7.6	7.3	6.2	7.0
*CRYSTAL BLUE LINKS	4	6.6	7.6	7.3	6.0	6.9
*SHARK	14	6.7	7.5	7.2	6.0	6.8
*PIRANHA (DC-1)	11	6.5	7.4	7.1	6.1	6.8
*BARRACUDA	15	6.5	7.4	7.1	6.0	6.8
*NIGHTTLIFE	9	6.4	7.5	7.1	5.8	6.7
*L-93XD	6	6.8	7.2	6.9	5.9	6.7
*V-8	10	5.8	7.3	7.0	5.7	6.4
*PC2.0 (PST-OCV6)	17	4.6	7.7	7.2	5.6	6.3
PST-ORBS	16	4.4	7.7	7.2	5.5	6.2
*ARMOR	7	5.3	7.1	6.7	5.3	6.1
*KINGDOM	8	4.9	7.3	6.9	5.3	6.1
*PENNCROSS	3	3.6	7.2	6.7	5.0	5.6
LSD VALUE		0.8	0.8	0.8	0.8	0.8
C.V. (%)		8.1	6.4	6.7	8.3	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 13C.

MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/
 A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 */
 2019 DATA
 TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	# ENTRY	MD1	IL1	MI1	MO1	MEAN
*MUSKET (PPG-AT 104)	12	6.0	6.8	6.5	5.4	6.2
DLFPS-AT/3026	1	5.1	6.5	6.2	5.0	5.7
*GREENTIME	5	3.1	7.0	6.5	4.8	5.3
LSD VALUE		0.8	0.8	0.8	0.8	0.8
C.V. (%)		10.1	7.0	7.5	9.4	8.3

*/ 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 14A.

MEAN TURFGRASS QUALITY RATINGS OF BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2019 DATA

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

NAME	# ENTRY	NJ1	IA1	KS1	MEAN
PIRANHA (DC-1)	11	7.3	7.3	7.0	7.2
CHINOOK (H10G-OP)	13	6.6	6.9	6.9	6.8
L-93XD	6	6.8	6.8	6.7	6.8
007	2	6.0	6.7	6.8	6.5
BARRACUDA	15	5.9	6.6	6.7	6.4
V-8	10	5.4	6.3	6.5	6.1
DLFPS-AT/3026	1	5.9	6.2	6.1	6.0
MUSKET (PPG-AT 104)	12	5.7	6.1	6.2	6.0
SHARK	14	5.1	6.2	6.6	5.9
PC2.0 (PST-OCV6)	17	4.3	6.1	6.6	5.7
CRYSTAL BLUE LINKS	4	4.4	5.9	6.5	5.6
GREENTIME	5	4.4	5.9	6.2	5.5
PENNCROSS	3	4.2	5.8	6.3	5.4
PST-ORBS	16	3.5	5.7	6.5	5.3
NIGHTLIFE	9	3.9	5.6	6.3	5.3
ARMOR	7	4.0	5.5	6.1	5.2
KINGDOM	8	3.3	5.3	6.1	4.9
LSD VALUE		0.8	0.8	0.8	0.8
C.V. (%)		9.4	7.7	7.4	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

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

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

TABLE 14B.

MEAN TURFGRASS QUALITY RATINGS OF CREEPING BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2019 DATA

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

NAME	# ENTRY	NJ1	IA1	KS1	MEAN
PIRANHA (DC-1)	11	7.3	7.3	7.0	7.2
CHINOOK (H10G-OP)	13	6.6	6.9	6.9	6.8
L-93XD	6	6.8	6.8	6.7	6.8
007	2	6.0	6.7	6.8	6.5
BARRACUDA	15	5.9	6.6	6.7	6.4
V-8	10	5.4	6.3	6.5	6.1
SHARK	14	5.1	6.2	6.6	5.9
PC2.0 (PST-0CV6)	17	4.3	6.1	6.6	5.7
CRYSTAL BLUE LINKS	4	4.4	5.9	6.5	5.6
PENNCROSS	3	4.2	5.8	6.3	5.4
PST-0RBS	16	3.5	5.7	6.5	5.3
NIGHTLIFE	9	3.9	5.6	6.3	5.3
ARMOR	7	4.0	5.5	6.1	5.2
KINGDOM	8	3.3	5.3	6.1	4.9
LSD VALUE		0.8	0.8	0.8	0.8
C.V. (%)		9.5	7.7	7.3	8.0

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

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

TABLE 14C.

MEAN TURFGRASS QUALITY RATINGS OF COLONIAL BENTGRASS CULTIVARS GROWN ON 1/
A FAIRWAY OR TEE IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 */
2019 DATA

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

NAME	# ENTRY	NJ1	IA1	KS1	MEAN
DLFPS-AT/3026	1	5.9	6.2	6.1	6.0
MUSKET (PPG-AT 104)	12	5.7	6.1	6.2	6.0
GREENTIME	5	4.4	5.9	6.2	5.5
LSD VALUE		0.8	0.8	0.8	0.8
C.V. (%)		9.0	7.9	7.8	8.2

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

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

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

TABLE 15A.

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
PC2.0 (PST-0CV6)	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.

TABLE 15B.

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			DOLLAR SPOT	MAY	JUN	QUALITY RATINGS			MEAN
			SPRING	SUMMER	FALL				JUL	AUG	SEP	
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
PC2.0 (PST-0CV6)	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

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 15C.

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			DOLLAR SPOT	MAY	JUN	QUALITY RATINGS			MEAN
			SPRING	SUMMER	FALL				JUL	AUG	SEP	
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 16A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2015-18 DATA

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

NAME	SPRING GREENUP	PERCENT ESTABLISH MENT	YELLOW PATCH	MAR	APR	MAY	JUN	JUL	QUALITY RATINGS			NOV	DEC	MEAN
									AUG	SEP	OCT			
PIRANHA (DC-1)	5.5	40.0	4.7	2.3	5.8	6.1	6.6	6.8	6.3	6.7	6.8	5.9	5.8	6.1
DLFPS-AT/3026	6.7	50.0	9.0	4.0	5.6	6.8	6.4	6.2	6.1	5.9	5.6	5.4	5.3	5.9
NIGHTLIFE	4.3	45.0	7.3	2.0	5.3	5.3	6.3	6.3	6.3	6.5	6.3	5.7	5.3	5.9
KINGDOM	3.5	42.5	5.0	2.0	5.6	5.6	6.7	6.6	5.8	6.5	6.3	5.3	5.3	5.8
CHINOOK (H10G-OP)	5.7	45.0	6.3	2.3	5.3	5.9	6.0	5.6	5.7	5.9	5.9	5.9	5.8	5.7
MUSKET (PPG-AT 104)	5.7	43.3	9.0	4.0	5.4	6.9	6.0	6.0	6.0	5.8	5.3	5.1	4.7	5.7
007	5.0	45.0	4.7	2.3	5.4	5.8	5.8	5.8	5.8	5.9	5.8	5.4	5.3	5.6
ARMOR	4.0	43.3	5.3	2.0	5.4	5.7	6.3	6.0	5.9	5.8	5.7	5.0	4.5	5.6
L-93XD	4.8	40.0	4.0	2.3	5.6	6.0	6.1	5.8	5.9	6.1	5.8	5.1	5.5	5.6
PC2.0 (PST-0CV6)	5.3	40.0	6.0	3.0	4.8	5.2	5.9	5.9	5.7	5.9	5.6	5.6	5.5	5.5
SHARK	4.2	43.3	4.0	2.0	4.8	6.1	6.2	5.7	5.8	5.9	5.8	5.2	5.2	5.5
BARRACUDA	5.2	45.0	4.7	2.7	4.8	5.8	5.2	5.1	5.7	5.8	5.4	5.4	5.5	5.4
V-8	3.8	46.7	4.0	2.0	4.9	5.8	5.7	5.6	5.4	5.8	5.6	4.9	4.8	5.3
PST-ORBS	4.7	43.3	5.7	2.3	5.0	5.4	5.9	5.4	5.4	5.5	5.2	5.0	4.8	5.2
GREENTIME	4.3	48.3	9.0	4.0	5.0	5.1	5.3	5.1	5.3	5.0	4.8	4.9	4.7	5.0
CRYSTAL BLUE LINKS	3.8	40.0	7.3	2.3	4.1	4.6	5.3	5.0	5.1	5.2	4.8	4.4	4.8	4.8
PENNCROSS	4.0	45.0	9.0	1.7	3.6	4.0	4.0	4.0	4.3	4.3	4.6	4.2	4.2	4.1
LSD VALUE	1.4	5.8	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.6	1.0	0.3
C.V. (%)	24.2	6.8	7.8	16.0	12.0	9.5	9.3	11.1	11.6	9.9	10.6	11.9	14.1	6.5

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 16A.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2015-18 DATA

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

NAME	SEPT	OCT	NOV	MAY 16	JUL 16	WEAR TOLERANCE						
						SEPT 1	MAY 17	JUL 17	SEPT 17	MAY 18	JUL 18	OCT 18
PIRANHA (DC-1)	5.7	5.0	5.7	6.7	6.3	6.3	6.7	6.7	7.0	6.3	6.7	7.3
DLFPS-AT/3026	3.3	2.3	4.7	3.3	3.3	4.7	6.0	6.0	4.0	3.7	4.3	4.7
NIGHTLIFE	7.3	5.7	6.3	7.3	6.7	6.7	6.3	6.3	7.7	6.0	7.3	6.0
KINGDOM	6.5	6.0	5.0	6.8	7.0	7.0	6.8	6.8	6.8	7.0	6.3	7.7
CHINOOK (H10G-OP)	5.0	4.0	5.0	5.7	5.3	5.7	5.3	5.3	6.0	5.0	5.0	5.7
MUSKET (PPG-AT 104)	3.7	3.0	5.0	3.7	4.3	5.7	6.0	6.0	3.7	4.3	5.3	6.3
007	5.7	5.0	6.0	6.0	5.3	6.0	5.3	5.3	6.7	5.7	6.3	6.0
ARMOR	6.3	5.0	5.7	6.3	6.3	6.3	5.7	5.7	6.7	5.7	5.7	6.7
L-93XD	5.0	4.7	5.3	5.3	5.0	5.7	5.0	5.0	5.3	5.3	5.0	6.0
PC2.0 (PST-0CV6)	5.0	5.0	5.3	5.7	5.7	5.3	5.0	5.0	6.0	4.7	5.3	6.0
SHARK	5.3	5.3	5.7	6.3	5.0	5.0	4.7	4.7	7.0	5.0	5.7	5.7
BARRACUDA	5.0	4.0	5.3	6.0	5.0	4.7	4.7	4.7	6.0	4.7	5.3	5.3
V-8	5.0	4.7	5.0	5.3	5.3	5.3	5.0	5.0	5.7	4.7	5.0	5.0
PST-0RBS	5.0	4.3	4.3	5.3	6.0	6.0	4.0	4.0	6.0	5.3	5.7	6.3
GREENTIME	4.3	3.3	4.3	3.3	3.3	4.3	6.0	6.0	4.3	3.7	5.0	4.3
CRYSTAL BLUE LINKS	5.0	4.7	4.3	5.0	5.3	4.7	5.0	5.0	5.3	4.3	4.7	5.7
PENNCROSS	4.0	4.0	4.0	4.0	3.7	4.0	3.7	3.7	3.7	3.3	4.0	4.0
LSD VALUE	0.7	0.6	1.1	0.9	0.7	1.0	0.9	0.9	1.0	0.8	0.7	1.0
C.V. (%)	8.9	9.1	11.9	11.0	9.0	10.7	10.4	10.4	10.8	10.0	8.0	10.7

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 16B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2015-18 DATA

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

NAME	SPRING GREENUP	PERCENT ESTABLISH MENT	YELLOW PATCH	MAR	APR	MAY	JUN	JUL	QUALITY RATINGS				MEAN	
									AUG	SEP	OCT	NOV		
PIRANHA (DC-1)	5.5	40.0	4.7	2.3	5.8	6.1	6.6	6.8	6.3	6.7	6.8	5.9	5.8	6.1
NIGHTLIFE	4.3	45.0	7.3	2.0	5.3	5.3	6.3	6.3	6.3	6.5	6.3	5.7	5.3	5.9
KINGDOM	3.5	42.5	5.0	2.0	5.6	5.6	6.7	6.6	5.8	6.5	6.3	5.3	5.3	5.8
CHINOOK (H10G-OP)	5.7	45.0	6.3	2.3	5.3	5.9	6.0	5.6	5.7	5.9	5.9	5.9	5.8	5.7
007	5.0	45.0	4.7	2.3	5.4	5.8	5.8	5.8	5.8	5.9	5.8	5.4	5.3	5.6
ARMOR	4.0	43.3	5.3	2.0	5.4	5.7	6.3	6.0	5.9	5.8	5.7	5.0	4.5	5.6
L-93XD	4.8	40.0	4.0	2.3	5.6	6.0	6.1	5.8	5.9	6.1	5.8	5.1	5.5	5.6
PC2.0 (PST-0CV6)	5.3	40.0	6.0	3.0	4.8	5.2	5.9	5.9	5.7	5.9	5.6	5.6	5.5	5.5
SHARK	4.2	43.3	4.0	2.0	4.8	6.1	6.2	5.7	5.8	5.9	5.8	5.2	5.2	5.5
BARRACUDA	5.2	45.0	4.7	2.7	4.8	5.8	5.2	5.1	5.7	5.8	5.4	5.4	5.5	5.4
V-8	3.8	46.7	4.0	2.0	4.9	5.8	5.7	5.6	5.4	5.8	5.6	4.9	4.8	5.3
PST-ORBS	4.7	43.3	5.7	2.3	5.0	5.4	5.9	5.4	5.4	5.5	5.2	5.0	4.8	5.2
CRYSTAL BLUE LINKS	3.8	40.0	7.3	2.3	4.1	4.6	5.3	5.0	5.1	5.2	4.8	4.4	4.8	4.8
PENNCROSS	4.0	45.0	9.0	1.7	3.6	4.0	4.0	4.0	4.3	4.3	4.6	4.2	4.2	4.1
LSD VALUE	1.9	6.2	0.8	1.1	0.4	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.6	0.3
C.V. (%)	27.2	6.5	9.3	20.1	10.2	10.0	8.8	10.1	11.3	9.6	10.3	9.0	10.8	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.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2015-18 DATA

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

NAME	SEPT	OCT	NOV	MAY 16	JUL 16	WEAR TOLERANCE		JUL 17	SEPT 17	MAY 18	JUL 18	OCT 18
						SEPT 1	MAY 17					
PIRANHA (DC-1)	5.7	5.0	5.7	6.7	6.3	6.3	6.7	6.7	7.0	6.3	6.7	7.3
NIGHTLIFE	7.3	5.7	6.3	7.3	6.7	6.7	6.3	6.3	7.7	6.0	7.3	6.0
KINGDOM	6.5	6.0	5.0	6.8	7.0	7.0	6.8	6.8	6.8	7.0	6.3	7.7
CHINOOK (H10G-OP)	5.0	4.0	5.0	5.7	5.3	5.7	5.3	5.3	6.0	5.0	5.0	5.7
007	5.7	5.0	6.0	6.0	5.3	6.0	5.3	5.3	6.7	5.7	6.3	6.0
ARMOR	6.3	5.0	5.7	6.3	6.3	6.3	5.7	5.7	6.7	5.7	5.7	6.7
L-93XD	5.0	4.7	5.3	5.3	5.0	5.7	5.0	5.0	5.3	5.3	5.0	6.0
PC2.0 (PST-0CV6)	5.0	5.0	5.3	5.7	5.7	5.3	5.0	5.0	6.0	4.7	5.3	6.0
SHARK	5.3	5.3	5.7	6.3	5.0	5.0	4.7	4.7	7.0	5.0	5.7	5.7
BARRACUDA	5.0	4.0	5.3	6.0	5.0	4.7	4.7	4.7	6.0	4.7	5.3	5.3
V-8	5.0	4.7	5.0	5.3	5.3	5.3	5.0	5.0	5.7	4.7	5.0	5.0
PST-ORBS	5.0	4.3	4.3	5.3	6.0	6.0	4.0	4.0	6.0	5.3	5.7	6.3
CRYSTAL BLUE LINKS	5.0	4.7	4.3	5.0	5.3	4.7	5.0	5.0	5.3	4.3	4.7	5.7
PENNCROSS	4.0	4.0	4.0	4.0	3.7	4.0	3.7	3.7	3.7	3.3	4.0	4.0
LSD VALUE	0.7	0.8	1.1	1.1	0.7	0.9	0.8	0.8	1.0	0.8	0.7	1.0
C.V. (%)	7.8	9.1	11.8	10.8	7.6	9.7	9.4	9.4	10.6	9.4	8.2	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 16C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2015-18 DATA

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

NAME	SPRING GREENUP	PERCENT ESTABLISH MENT	YELLOW PATCH	MAR	APR	MAY	JUN	JUL	QUALITY RATINGS				MEAN	
									AUG	SEP	OCT	NOV		
DLFPS-AT/3026	6.7	50.0	9	4	5.6	6.8	6.4	6.2	6.1	5.9	5.6	5.4	5.3	5.9
MUSKET (PPG-AT 104)	5.7	43.3	9	4	5.4	6.9	6.0	6.0	6.0	5.8	5.3	5.1	4.7	5.7
GREENTIME	4.3	48.3	9	4	5.0	5.1	5.3	5.1	5.3	5.0	4.8	4.9	4.7	5.0
LSD VALUE	0.6	10.2	0	0	1.1	0.4	0.6	0.9	0.7	0.5	0.5	1.3	1.9	0.3
C.V. (%)	9.8	9.3	0	0	18.1	7.8	10.9	15.2	13.3	11.3	12.1	21.4	26.1	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 16C.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT AMHERST, MA 1/
2015-18 DATA

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

NAME	WEAR TOLERANCE											
	SEPT	OCT	NOV	MAY 16	JUL 16	SEPT 16	MAY 17	JUL 17	SEPT 17	MAY 18	JUL 18	OCT 18
DLFPS-AT/3026	3.3	2.3	4.7	3.3	3.3	4.7	6.0	6.0	4.0	3.7	4.3	4.7
MUSKET (PPG-AT 104)	3.7	3.0	5.0	3.7	4.3	5.7	6.0	6.0	3.7	4.3	5.3	6.3
GREENTIME	4.3	3.3	4.3	3.3	3.3	4.3	6.0	6.0	4.3	3.7	5.0	4.3
LSD VALUE	1.5	0.8	1.3	0.8	1.3	1.2	1.3	1.3	0.9	0.8	0.8	0.8
C.V. (%)	17.6	11.5	12.4	9.7	15.7	10.8	9.6	9.6	10.2	8.6	6.8	6.5

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 17A.

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				QUALITY RATINGS			MEAN		
			PRE-TRAFFIC MAY 6	POST-TRAFFIC RATINGS JUNE 30	JULY 6	JULY 22	JUN	JUL	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
PC2.0 (PST-0CV6)	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.

TABLE 17Ai.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/
2016 DATA

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

NAME	PERCENT GROUND COVER RATINGS							QUALITY RATINGS				
	AUG_10	AUG_15	AUG_24	SEPT	MAR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
DLFPS-AT/3026	5.0	16.7	20.0	35.0	7.0	7.7	6.0	7.0	5.0	6.7	6.0	6.5
MUSKET (PPG-AT 104)	15.0	28.3	33.3	35.0	6.7	7.3	6.0	6.3	4.3	6.0	6.3	6.1
CRYSTAL BLUE LINKS	15.0	35.0	40.0	51.7	7.0	6.0	6.0	7.3	5.0	6.0	5.0	6.0
GREENTIME	6.7	15.0	21.7	45.0	6.3	6.0	6.3	6.7	4.7	6.3	6.0	6.0
PIRANHA (DC-1)	15.0	28.3	41.7	45.0	7.0	7.0	6.3	7.3	4.7	5.0	4.7	6.0
SHARK	20.0	28.3	48.3	56.7	7.0	7.7	7.0	8.0	4.3	4.7	3.7	6.0
CHINOOK (H10G-OP)	13.3	23.3	33.3	48.3	7.3	7.0	6.0	7.0	5.0	4.7	4.3	5.9
NIGHTLIFE	11.7	23.3	33.3	58.3	6.0	5.0	6.3	7.7	5.3	6.0	5.0	5.9
PENNCROSS	8.3	21.7	28.3	50.0	6.0	5.0	5.7	6.0	5.3	6.7	5.3	5.7
PST-ORBS	20.0	36.7	53.3	56.7	6.0	5.7	6.0	6.7	4.7	5.3	5.3	5.7
007	16.7	43.3	55.0	70.0	5.7	6.0	6.0	7.3	5.0	4.7	4.7	5.6
L-93XD	18.3	28.3	38.3	43.3	6.0	6.7	6.7	7.7	4.3	3.7	4.3	5.6
V-8	5.0	10.0	25.0	48.3	6.0	6.0	6.7	7.3	5.0	4.7	3.7	5.6
PC2.0 (PST-0CV6)	11.7	26.7	38.3	55.0	5.3	5.3	6.0	6.3	4.3	5.3	5.7	5.5
BARRACUDA	13.3	30.0	35.0	40.0	6.3	6.0	5.7	6.3	5.0	4.3	3.7	5.3
ARMOR	25.0	36.7	45.0	58.3	5.3	5.0	5.0	7.0	3.7	4.7	4.0	5.0
KINGDOM	20.0	33.3	46.7	63.3	5.7	5.0	5.0	7.0	4.7	4.3	3.7	5.0
LSD VALUE	32.7	70.3	77.7	74.9	4.4	1.2	1.9	3.1	3.1	3.6	1.9	2.0
C.V. (%)	76.2	75.4	62.4	44.1	21.5	11.6	12.6	14.8	20.0	26.3	20.2	12.1

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 17Aii.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/
2017 DATA

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

NAME	DISEASE JULY	QUALITY RATINGS BEFORE TRAFFIC (APR-AUG)					QUALITY RATINGS FOR TRAFFIC				QUALITY RATINGS FOR DIVOT RECOVERY				MEAN
		APR	JUN	JUL	AUG	SEP	OCT_11	OCT_25	NOV	SEP	OCT_11	OCT_25	NOV		
GREENTIME	9.0	6.0	7.7	7.0	7.3	6.0	6.7	7.3	7.0	7.3	7.7	8.0	7.7	7.1	
CRYSTAL BLUE LINKS	7.0	6.7	6.7	6.0	7.7	6.3	6.0	7.3	7.0	6.7	7.7	7.7	7.3	6.9	
DLFPS-AT/3026	7.0	7.0	6.3	6.7	7.3	4.3	6.0	7.0	6.3	7.7	8.0	8.0	8.0	6.9	
PENNCROSS	8.7	6.0	7.3	6.7	7.3	5.3	5.3	6.7	7.3	7.3	7.3	7.7	7.3	6.8	
MUSKET (PPG-AT 104)	8.0	7.0	6.3	6.0	7.7	5.3	6.0	7.0	6.7	7.0	6.7	7.3	7.3	6.7	
V-8	7.0	5.7	6.3	6.0	7.3	5.7	5.7	7.0	7.0	7.0	7.0	8.0	7.3	6.7	
PST-ORBS	6.3	6.3	6.0	6.0	7.3	5.3	5.7	7.0	7.0	7.0	7.0	7.3	7.0	6.6	
SHARK	5.7	7.0	5.3	5.0	7.0	5.3	6.0	7.0	7.0	7.0	7.0	8.0	7.3	6.6	
ARMOR	6.7	6.0	6.3	5.7	6.3	5.3	5.7	7.0	7.0	6.7	6.7	7.7	7.0	6.4	
KINGDOM	6.7	6.0	6.0	5.3	6.0	5.3	6.0	7.3	7.0	6.7	7.0	7.7	7.0	6.4	
NIGHTLIFE	5.3	6.3	5.7	5.0	5.7	5.7	6.0	7.3	7.0	6.7	6.7	7.7	7.0	6.4	
PC2.0 (PST-OCV6)	7.3	6.0	6.3	5.3	6.7	4.7	5.7	7.0	7.0	6.7	7.0	7.7	7.0	6.4	
007	6.3	6.3	5.7	5.0	6.7	5.0	5.0	6.7	6.7	7.0	7.3	7.3	7.3	6.3	
BARRACUDA	7.0	6.0	6.3	5.7	6.3	4.7	5.3	6.7	6.7	6.7	6.7	7.3	7.3	6.3	
L-93XD	6.7	6.0	6.0	5.3	6.7	5.0	5.3	6.7	6.3	6.7	6.7	7.3	7.3	6.3	
PIRANHA (DC-1)	6.3	7.0	5.3	5.3	7.0	4.7	4.7	6.7	6.3	6.3	6.7	7.3	7.3	6.2	
CHINOOK (H10G-OP)	5.3	6.7	5.3	4.0	5.7	5.3	5.7	7.0	6.7	6.7	6.3	7.3	7.0	6.1	
LSD VALUE	2.5	0.8	1.1	1.3	1.6	1.5	1.6	2.0	0.9	1.3	0.8	1.3	1.2	0.4	
C.V. (%)	17.3	6.6	9.6	12.5	11.1	12.5	11.3	8.4	5.7	7.2	6.0	6.0	5.9	3.7	

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

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

TABLE 17Aiii.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/
2018 DATA

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

NAME	QUALITY RATINGS BEFORE TRAFFIC					MEAN	DISEASE	QUALITY RATINGS				
	MAY	JUN	JUL	AUG	SEP			NO TRAFFIC OCTOBER 18	NO TRAFFIC OCTOBER 30	TRAFFIC OCTOBER 31	NO TRAFFIC OCTOBER 31	TRAFFIC NOVEMBER
007	7.3	7.7	7.7	7.3	7.7	7.5	2.7	5.3	5.7	6.0	8.0	6.0
ARMOR	7.7	7.3	7.0	7.3	7.7	7.4	2.7	5.3	5.3	5.7	8.0	6.0
CRYSTAL BLUE LINKS	7.7	8.0	7.3	7.7	7.7	7.7	2.7	5.7	5.7	6.0	8.0	6.0
DLFPS-AT/3026	8.0	8.0	7.0	8.0	8.0	7.8	2.0	5.3	4.3	6.0	6.3	6.0
GREENTIME	7.7	7.3	7.3	7.0	7.7	7.4	2.7	5.7	5.7	6.0	7.7	6.0
KINGDOM	7.7	7.3	7.3	7.3	7.3	7.4	2.3	5.0	5.3	5.7	8.3	6.0
L-93XD	7.7	7.3	7.7	7.7	7.7	7.6	2.7	6.0	6.3	6.0	8.7	6.0
MUSKET (PPG-AT 104)	8.0	8.0	7.3	7.7	7.3	7.7	2.3	5.7	5.7	6.0	8.0	6.0
PC2.0 (PST-0CV6)	7.7	7.7	7.3	7.7	7.7	7.6	3.0	6.0	6.0	6.3	8.0	6.0
PENNCROSS	7.7	7.3	7.3	7.3	7.7	7.5	2.7	5.7	6.3	5.7	8.3	6.0
PIRANHA (DC-1)	7.7	7.7	7.3	7.7	8.0	7.7	2.7	5.7	6.0	6.3	8.0	6.0
PST-ORBS	7.7	7.3	7.3	7.3	7.3	7.4	2.7	6.0	6.0	6.0	8.0	6.0
SHARK	8.0	7.7	7.7	8.0	8.0	7.9	2.3	5.0	5.3	6.0	8.7	6.0
V-8	7.7	7.3	7.7	7.3	8.0	7.6	2.7	6.0	6.3	6.0	8.0	6.0
BARRACUDA	7.7	7.3	7.3	7.3	7.3	7.4	2.5	6.0	6.0	6.0	8.3	5.7
CHINOOK (H10G-OP)	7.3	7.3	7.3	7.7	8.0	7.5	2.7	5.3	4.7	5.7	8.0	5.7
NIGHTLIFE	8.0	7.7	7.7	7.3	8.0	7.7	2.7	5.3	5.3	6.0	8.3	5.7
LSD VALUE	1.5	1.2	2.0	1.4	1.4	1.0	1.6	1.9	2.7	2.2	2.2	1.6
C.V. (%)	6.0	5.6	7.8	6.4	6.2	4.2	19.2	11.5	17.0	10.1	10.1	7.2

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 17B.

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 MAY 6	JUNE 30	POST-TRAFFIC JULY 6	JULY 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
PC2.0 (PST-0CV6)	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

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
 STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 17Bi.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/
2016 DATA

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

NAME	PERCENT GROUND COVER RATINGS			QUALITY RATINGS								MEAN
	AUG_10	AUG_15	AUG_24	SEPT	MAR	MAY	JUN	JUL	AUG	SEP	OCT	
CRYSTAL BLUE LINKS	15.0	35.0	40.0	51.7	7.0	6.0	6.0	7.3	5.0	6.0	5.0	6.0
PIRANHA (DC-1)	15.0	28.3	41.7	45.0	7.0	7.0	6.3	7.3	4.7	5.0	4.7	6.0
SHARK	20.0	28.3	48.3	56.7	7.0	7.7	7.0	8.0	4.3	4.7	3.7	6.0
CHINOOK (H10G-OP)	13.3	23.3	33.3	48.3	7.3	7.0	6.0	7.0	5.0	4.7	4.3	5.9
NIGHTLIFE	11.7	23.3	33.3	58.3	6.0	5.0	6.3	7.7	5.3	6.0	5.0	5.9
PENNCROSS	8.3	21.7	28.3	50.0	6.0	5.0	5.7	6.0	5.3	6.7	5.3	5.7
PST-0RBS	20.0	36.7	53.3	56.7	6.0	5.7	6.0	6.7	4.7	5.3	5.3	5.7
007	16.7	43.3	55.0	70.0	5.7	6.0	6.0	7.3	5.0	4.7	4.7	5.6
L-93XD	18.3	28.3	38.3	43.3	6.0	6.7	6.7	7.7	4.3	3.7	4.3	5.6
V-8	5.0	10.0	25.0	48.3	6.0	6.0	6.7	7.3	5.0	4.7	3.7	5.6
PC2.0 (PST-0CV6)	11.7	26.7	38.3	55.0	5.3	5.3	6.0	6.3	4.3	5.3	5.7	5.5
BARRACUDA	13.3	30.0	35.0	40.0	6.3	6.0	5.7	6.3	5.0	4.3	3.7	5.3
ARMOR	25.0	36.7	45.0	58.3	5.3	5.0	5.0	7.0	3.7	4.7	4.0	5.0
KINGDOM	20.0	33.3	46.7	63.3	5.7	5.0	5.0	7.0	4.7	4.3	3.7	5.0
LSD VALUE	32.5	65.3	75.3	71.7	4.3	1.2	1.8	2.9	2.8	3.6	1.7	2.0
C.V. (%)	71.1	70.2	57.6	41.0	22.6	11.8	13.0	14.6	19.9	26.7	17.9	11.9

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 17Bii.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/
2017 DATA

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

NAME	DISEASE JULY	QUALITY RATINGS BEFORE TRAFFIC (APR-AUG)					QUALITY RATINGS FOR TRAFFIC				QUALITY RATINGS FOR DIVOT RECOVERY				MEAN
		APR	JUN	JUL	AUG	SEP	OCT_11	OCT_25	NOV	SEP	OCT_11	OCT_25	NOV		
CRYSTAL BLUE LINKS	7.0	6.7	6.7	6.0	7.7	6.3	6.0	7.3	7.0	6.7	7.7	7.7	7.3	6.9	
PENNCROSS	8.7	6.0	7.3	6.7	7.3	5.3	5.3	6.7	7.3	7.3	7.3	7.7	7.3	6.8	
V-8	7.0	5.7	6.3	6.0	7.3	5.7	5.7	7.0	7.0	7.0	7.0	8.0	7.3	6.7	
PST-ORBS	6.3	6.3	6.0	6.0	7.3	5.3	5.7	7.0	7.0	7.0	7.0	7.3	7.0	6.6	
SHARK	5.7	7.0	5.3	5.0	7.0	5.3	6.0	7.0	7.0	7.0	7.0	8.0	7.3	6.6	
ARMOR	6.7	6.0	6.3	5.7	6.3	5.3	5.7	7.0	7.0	6.7	6.7	7.7	7.0	6.4	
KINGDOM	6.7	6.0	6.0	5.3	6.0	5.3	6.0	7.3	7.0	6.7	7.0	7.7	7.0	6.4	
NIGHTLIFE	5.3	6.3	5.7	5.0	5.7	5.7	6.0	7.3	7.0	6.7	6.7	7.7	7.0	6.4	
PC2.0 (PST-OCV6)	7.3	6.0	6.3	5.3	6.7	4.7	5.7	7.0	7.0	6.7	7.0	7.7	7.0	6.4	
007	6.3	6.3	5.7	5.0	6.7	5.0	5.0	6.7	6.7	7.0	7.3	7.3	7.3	6.3	
BARRACUDA	7.0	6.0	6.3	5.7	6.3	4.7	5.3	6.7	6.7	6.7	6.7	7.3	7.3	6.3	
L-93XD	6.7	6.0	6.0	5.3	6.7	5.0	5.3	6.7	6.3	6.7	6.7	7.3	7.3	6.3	
PIRANHA (DC-1)	6.3	7.0	5.3	5.3	7.0	4.7	4.7	6.7	6.3	6.3	6.7	7.3	7.3	6.2	
CHINOOK (H10G-OP)	5.3	6.7	5.3	4.0	5.7	5.3	5.7	7.0	6.7	6.7	6.3	7.3	7.0	6.1	
LSD VALUE	3.0	1.0	1.2	1.4	1.8	1.5	1.7	1.8	0.9	1.4	0.8	1.2	1.3	0.6	
C.V. (%)	18.5	7.4	9.9	12.6	11.9	11.8	11.5	8.2	5.6	7.1	5.8	5.8	5.8	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 17Biii.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/
2018 DATA

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

NAME	QUALITY RATINGS BEFORE TRAFFIC					MEAN	DISEASE	QUALITY RATINGS				
	MAY	JUN	JUL	AUG	SEP			NO TRAFFIC OCTOBER 18	NO TRAFFIC OCTOBER 30	TRAFFIC OCTOBER 31	NO TRAFFIC OCTOBER 31	TRAFFIC NOVEMBER
007	7.3	7.7	7.7	7.3	7.7	7.5	2.7	5.3	5.7	6.0	8.0	6.0
ARMOR	7.7	7.3	7.0	7.3	7.7	7.4	2.7	5.3	5.3	5.7	8.0	6.0
CRYSTAL BLUE LINKS	7.7	8.0	7.3	7.7	7.7	7.7	2.7	5.7	5.7	6.0	8.0	6.0
KINGDOM	7.7	7.3	7.3	7.3	7.3	7.4	2.3	5.0	5.3	5.7	8.3	6.0
L-93XD	7.7	7.3	7.7	7.7	7.7	7.6	2.7	6.0	6.3	6.0	8.7	6.0
PC2.0 (PST-0CV6)	7.7	7.7	7.3	7.7	7.7	7.6	3.0	6.0	6.0	6.3	8.0	6.0
PENNCROSS	7.7	7.3	7.3	7.3	7.7	7.5	2.7	5.7	6.3	5.7	8.3	6.0
PIRANHA (DC-1)	7.7	7.7	7.3	7.7	8.0	7.7	2.7	5.7	6.0	6.3	8.0	6.0
PST-0RBS	7.7	7.3	7.3	7.3	7.3	7.4	2.7	6.0	6.0	6.0	8.0	6.0
SHARK	8.0	7.7	7.7	8.0	8.0	7.9	2.3	5.0	5.3	6.0	8.7	6.0
V-8	7.7	7.3	7.7	7.3	8.0	7.6	2.7	6.0	6.3	6.0	8.0	6.0
BARRACUDA	7.7	7.3	7.3	7.3	7.3	7.4	2.5	6.0	6.0	6.0	8.3	5.7
CHINOOK (H10G-OP)	7.3	7.3	7.3	7.7	8.0	7.5	2.7	5.3	4.7	5.7	8.0	5.7
NIGHTLIFE	8.0	7.7	7.7	7.3	8.0	7.7	2.7	5.3	5.3	6.0	8.3	5.7
LSD VALUE	1.6	1.3	2.0	1.4	1.3	1.0	1.7	1.8	2.7	2.2	0.9	1.6
C.V. (%)	6.4	5.9	8.1	6.2	6.0	4.3	19.1	11.7	16.1	11.1	4.4	8.0

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

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

TABLE 17C.

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	PRE-TRAFFIC MAY 6	PERCENT LIVING GROUND COVER			JUN	JUL	QUALITY RATINGS			MEAN
				POST-TRAFFIC JUNE 30	JULY 6	JULY 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 17Ci.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/
2016 DATA

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

NAME	PERCENT GROUND COVER RATINGS					QUALITY RATINGS					MEAN	
	AUG_10	AUG_15	AUG_24	SEPT	MAR	MAY	JUN	JUL	AUG	SEP		OCT
DLFPS-AT/3026	5.0	16.7	20.0	35.0	7.0	7.7	6.0	7.0	5.0	6.7	6.0	6.5
MUSKET (PPG-AT 104)	15.0	28.3	33.3	35.0	6.7	7.3	6.0	6.3	4.3	6.0	6.3	6.1
GREENTIME	6.7	15.0	21.7	45.0	6.3	6.0	6.3	6.7	4.7	6.3	6.0	6.0
LSD VALUE	24.5	47.4	46.0	52.0	1.3	1.3	0.8	1.9	1.3	3.4	3.9	0.9
C.V. (%)	118.6	102.1	79.2	58.3	8.7	8.2	5.5	12.2	12.4	23.2	27.3	6.1

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 17Cii.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/
2017 DATA

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

NAME	DISEASE JULY	QUALITY RATINGS BEFORE TRAFFIC (APR-AUG)					QUALITY RATINGS FOR TRAFFIC				QUALITY RATINGS FOR DIVOT RECOVERY				MEAN
		APR	JUN	JUL	AUG	SEP	OCT_11	OCT_25	NOV	SEP	OCT_11	OCT_25	NOV		
GREENTIME	9.0	6	7.7	7.0	7.3	6.0	6.7	7.3	7.0	7.3	7.7	8.0	7.7	7.1	
DLFPS-AT/3026	7.0	7	6.3	6.7	7.3	4.3	6.0	7.0	6.3	7.7	8.0	8.0	8.0	6.9	
MUSKET (PPG-AT 104)	8.0	7	6.3	6.0	7.7	5.3	6.0	7.0	6.7	7.0	6.7	7.3	7.3	6.7	
LSD VALUE	2.1	0	1.5	1.5	1.5	2.0	1.5	1.8	0.9	1.3	1.2	0.8	0.9	0.3	
C.V. (%)	11.4	0	9.8	10.2	9.0	16.9	10.7	11.0	6.1	7.9	7.1	4.3	5.3	2.0	

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 17Ciii.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT BLACKSBURG, VA 1/
2018 DATA

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

NAME	QUALITY RATINGS BEFORE TRAFFIC						DISEASE	QUALITY RATINGS				
	MAY	JUN	JUL	AUG	SEP	MEAN		NO TRAFFIC OCTOBER 18	NO TRAFFIC OCTOBER 30	TRAFFIC OCTOBER 31	NO TRAFFIC OCTOBER 31	TRAFFIC NOVEMBER
DLFPS-AT/3026	8.0	8.0	7.0	8.0	8.0	7.8	2.0	5.3	4.3	6	6.3	6
GREENTIME	7.7	7.3	7.3	7.0	7.7	7.4	2.7	5.7	5.7	6	7.7	6
MUSKET (PPG-AT 104)	8.0	8.0	7.3	7.7	7.3	7.7	2.3	5.7	5.7	6	8.0	6
LSD VALUE	0.8	0.8	0.8	0.8	0.9	0.6	0.9	1.5	3.1	0	4.1	0
C.V. (%)	4.2	4.3	4.6	4.4	5.3	3.2	17.5	12.0	25.5	0	24.3	0

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

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

TABLE 18A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT RIVERSIDE, CA 1/
2015-19 DATA

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

NAME	GENETIC COLOR	SEEDLING VIGOR	PERCENT GROUND COVER			QUALITY RATINGS												MEAN
			SPRING	SUMMER	FALL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
007	7.1	5.0	91.7	93.0	90.0	5.8	5.7	6.5	7.1	6.7	6.3	6.4	5.9	5.9	6.3	6.0	5.8	6.2
PENNCROSS	7.1	6.0	91.7	91.7	91.7	6.1	6.3	6.6	6.7	6.7	6.0	6.3	5.9	6.1	6.0	6.2	6.0	6.2
PST-0RBS	7.1	5.7	91.7	94.7	88.3	5.9	5.9	6.0	6.9	6.7	6.3	6.8	6.0	6.1	5.6	5.8	6.1	6.2
SHARK	7.0	5.0	91.7	88.3	91.7	5.9	5.8	6.1	6.3	6.7	6.3	5.9	6.0	6.7	6.0	6.3	6.2	6.2
CHINOOK (H10G-OP)	7.3	4.7	88.3	94.7	88.3	5.5	5.7	5.9	6.1	6.7	6.0	6.9	6.2	6.7	6.0	6.0	5.6	6.1
L-93XD	7.0	4.3	88.3	93.3	88.3	5.6	5.6	5.8	6.5	6.0	6.2	6.6	6.1	6.3	6.4	5.9	5.7	6.1
NIGHTLIFE	7.9	6.3	91.7	91.7	88.3	5.3	5.8	6.0	6.4	6.7	6.3	6.3	6.1	6.5	6.3	5.8	5.1	6.1
PC2.0 (PST-0CV6)	7.5	6.0	91.7	91.3	88.3	5.5	5.7	6.1	6.4	7.0	5.9	6.4	6.1	6.1	6.2	5.9	5.5	6.1
PIRANHA (DC-1)	7.6	4.7	91.7	90.0	88.3	5.5	5.6	5.9	6.6	6.7	6.3	6.3	6.2	6.1	6.1	5.9	5.9	6.1
CRYSTAL BLUE LINKS	7.5	4.7	91.7	94.7	86.7	5.7	5.8	6.1	5.9	6.3	6.0	6.5	6.1	6.1	6.1	5.8	5.6	6.0
KINGDOM	7.8	5.3	91.7	90.0	90.0	5.5	5.8	5.9	6.6	6.3	6.1	6.3	5.7	5.8	5.9	6.0	5.7	6.0
BARRACUDA	7.2	3.7	85.0	88.3	88.3	5.4	5.6	6.1	6.3	6.3	5.5	5.9	6.1	6.1	5.7	5.9	5.9	5.9
ARMOR	7.8	4.0	85.0	90.0	88.3	5.4	5.4	5.5	6.0	6.0	5.9	6.2	6.2	6.1	5.8	5.9	5.6	5.8
V-8	7.0	4.0	91.7	88.3	88.3	5.2	5.3	5.7	6.6	6.7	5.5	6.1	6.0	6.0	5.7	5.9	5.5	5.8
DLFPS-AT/3026	7.0	4.0	91.7	91.7	86.7	5.4	5.5	5.7	5.9	6.0	5.6	6.3	5.8	5.7	5.5	5.7	5.6	5.7
GREENTIME	7.2	4.7	85.0	94.7	85.0	5.3	5.3	5.9	6.0	6.0	5.8	6.4	5.7	5.9	5.3	5.5	5.5	5.7
MUSKET (PPG-AT 104)	7.0	3.7	88.3	90.0	86.7	5.3	5.4	5.7	5.9	6.0	5.7	6.1	5.9	5.9	5.5	5.7	5.7	5.7
LSD VALUE	0.2	2.8	12.5	11.3	9.4	1.3	0.5	0.3	0.3	0.2	0.4	0.4	0.8	0.7	0.4	0.4	0.6	0.3
C.V. (%)	5.1	23.9	5.0	4.3	3.6	17.8	11.4	8.1	7.8	5.8	9.8	8.3	10.5	12.1	10.0	7.7	11.9	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 18B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT RIVERSIDE, CA 1/
2015-19 DATA

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

NAME	GENETIC COLOR	SEEDLING VIGOR	PERCENT GROUND COVER			QUALITY RATINGS												MEAN
			SPRING	SUMMER	FALL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
007	7.1	5.0	91.7	93.0	90.0	5.8	5.7	6.5	7.1	6.7	6.3	6.4	5.9	5.9	6.3	6.0	5.8	6.2
PENNCROSS	7.1	6.0	91.7	91.7	91.7	6.1	6.3	6.6	6.7	6.7	6.0	6.3	5.9	6.1	6.0	6.2	6.0	6.2
PST-0RBS	7.1	5.7	91.7	94.7	88.3	5.9	5.9	6.0	6.9	6.7	6.3	6.8	6.0	6.1	5.6	5.8	6.1	6.2
SHARK	7.0	5.0	91.7	88.3	91.7	5.9	5.8	6.1	6.3	6.7	6.3	5.9	6.0	6.7	6.0	6.3	6.2	6.2
CHINOOK (H10G-OP)	7.3	4.7	88.3	94.7	88.3	5.5	5.7	5.9	6.1	6.7	6.0	6.9	6.2	6.7	6.0	6.0	5.6	6.1
L-93XD	7.0	4.3	88.3	93.3	88.3	5.6	5.6	5.8	6.5	6.0	6.2	6.6	6.1	6.3	6.4	5.9	5.7	6.1
NIGHTLIFE	7.9	6.3	91.7	91.7	88.3	5.3	5.8	6.0	6.4	6.7	6.3	6.3	6.1	6.5	6.3	5.8	5.1	6.1
PC2.0 (PST-0CV6)	7.5	6.0	91.7	91.3	88.3	5.5	5.7	6.1	6.4	7.0	5.9	6.4	6.1	6.1	6.2	5.9	5.5	6.1
PIRANHA (DC-1)	7.6	4.7	91.7	90.0	88.3	5.5	5.6	5.9	6.6	6.7	6.3	6.3	6.2	6.1	6.1	5.9	5.9	6.1
CRYSTAL BLUE LINKS	7.5	4.7	91.7	94.7	86.7	5.7	5.8	6.1	5.9	6.3	6.0	6.5	6.1	6.1	6.1	5.8	5.6	6.0
KINGDOM	7.8	5.3	91.7	90.0	90.0	5.5	5.8	5.9	6.6	6.3	6.1	6.3	5.7	5.8	5.9	6.0	5.7	6.0
BARRACUDA	7.2	3.7	85.0	88.3	88.3	5.4	5.6	6.1	6.3	6.3	5.5	5.9	6.1	6.1	5.7	5.9	5.9	5.9
ARMOR	7.8	4.0	85.0	90.0	88.3	5.4	5.4	5.5	6.0	6.0	5.9	6.2	6.2	6.1	5.8	5.9	5.6	5.8
V-8	7.0	4.0	91.7	88.3	88.3	5.2	5.3	5.7	6.6	6.7	5.5	6.1	6.0	6.0	5.7	5.9	5.5	5.8
LSD VALUE	0.3	2.7	13.3	10.6	9.3	1.2	0.5	0.3	0.3	0.3	0.4	0.4	0.9	0.7	0.4	0.4	0.5	0.3
C.V. (%)	5.2	22.8	5.2	4.3	3.4	17.2	10.6	8.1	7.6	6.2	9.5	8.0	10.9	12.1	9.4	7.1	11.6	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.

TABLE 18C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT RIVERSIDE, CA 1/
2015-19 DATA

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

NAME	GENETIC COLOR	SEEDLING VIGOR	PERCENT GROUND COVER			QUALITY RATINGS												MEAN
			SPRING	SUMMER	FALL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DLFPS-AT/3026	7.0	4.0	91.7	91.7	86.7	5.4	5.5	5.7	5.9	6	5.6	6.3	5.8	5.7	5.5	5.7	5.6	5.7
GREENTIME	7.2	4.7	85.0	94.7	85.0	5.3	5.3	5.9	6.0	6	5.8	6.4	5.7	5.9	5.3	5.5	5.5	5.7
MUSKET (PPG-AT 104)	7.0	3.7	88.3	90.0	86.7	5.3	5.4	5.7	5.9	6	5.7	6.1	5.9	5.9	5.5	5.7	5.7	5.7
LSD VALUE	0.2	3.1	9.5	10.0	10.2	1.1	0.8	0.4	0.5	0	0.4	0.5	0.4	0.6	0.6	0.5	0.7	0.4
C.V. (%)	3.2	32.4	4.6	4.7	5.1	20.8	15.3	8.1	8.3	0	7.5	8.9	7.8	10.2	11.9	10.2	13.3	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 19A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT WEST LAFAYETTE, IN 1/
2015-19 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	SPRING DENSITY	SUMMER DENSITY	DOLLAR SPOT	MOW QUALITY	DIVOT RECOVERY	PERCENT POA ANNUA	SURFACE SMOOTHNESS	APR	MAY	QUALITY RATINGS					OCT	MEAN
												JUN	JUL	AUG	SEP			
NIGHTLIFE	8.0	7.5	7.7	8.0	6.2	7.5	5.3	11.5	5.7	7.3	7.0	7.6	7.4	6.6	6.2	7.1	7.0	
CHINOOK (H10G-OP)	7.3	7.3	7.2	8.0	7.8	6.8	3.7	3.7	3.0	7.0	6.9	7.1	7.1	6.7	6.4	6.7	6.8	
PC2.0 (PST-0CV6)	6.3	7.1	7.0	7.4	5.2	7.2	6.0	6.3	5.7	6.8	6.9	7.3	7.2	6.5	5.7	6.8	6.7	
ARMOR	8.2	7.3	7.8	8.3	4.5	6.2	2.7	8.8	3.7	6.8	6.3	7.0	6.9	6.5	6.1	6.8	6.6	
L-93XD	6.2	7.1	8.0	7.8	7.5	6.3	3.0	3.0	3.7	6.7	6.5	7.3	7.1	6.3	5.8	6.3	6.6	
PIRANHA (DC-1)	7.2	7.2	7.8	8.2	7.0	6.3	4.0	4.2	4.3	6.7	6.5	7.1	7.1	6.3	5.9	6.2	6.6	
007	7.3	7.3	7.5	8.2	7.2	5.3	3.7	6.0	4.3	6.5	6.3	7.1	7.0	6.1	5.8	6.3	6.4	
BARRACUDA	6.8	7.1	7.5	7.6	6.7	7.0	3.7	5.2	5.0	6.2	6.3	6.8	7.0	6.4	5.9	5.9	6.4	
SHARK	6.3	7.3	7.3	7.9	6.5	6.5	4.0	5.7	4.3	6.2	6.3	6.9	6.7	6.2	5.6	6.4	6.4	
V-8	6.8	7.4	7.2	7.7	7.0	6.7	4.3	10.2	5.0	5.7	6.3	6.2	6.9	6.3	6.3	6.5	6.4	
KINGDOM	8.3	7.5	8.3	8.0	6.2	5.5	4.7	14.5	3.0	6.5	6.3	7.0	6.7	6.3	5.5	6.1	6.3	
PST-ORBS	7.2	7.7	7.8	8.2	6.3	4.7	4.7	9.5	3.7	6.7	6.3	6.9	6.7	6.0	5.5	6.3	6.3	
CRYSTAL BLUE LINKS	6.8	6.7	6.7	6.5	6.3	6.7	4.3	12.5	7.0	6.0	6.3	6.4	6.6	6.0	5.8	6.4	6.2	
MUSKET (PPG-AT 104)	5.8	7.3	6.5	7.4	7.8	7.5	3.3	20.8	7.0	5.3	5.6	6.2	5.9	6.3	6.3	6.2	6.1	
DLFPS-AT/3026	5.8	6.7	6.2	7.2	7.7	7.8	4.3	29.2	8.3	5.0	5.5	6.0	6.1	6.0	6.1	5.9	5.8	
PENNCROSS	6.3	5.1	5.3	5.8	4.5	8.5	5.3	31.7	9.0	5.0	5.5	5.7	5.7	5.3	4.9	5.9	5.5	
GREENTIME	7.0	6.5	5.7	6.8	6.0	7.0	3.0	29.2	8.3	4.5	5.1	5.3	5.5	5.7	5.5	5.8	5.4	
LSD VALUE	0.7	0.5	0.9	0.6	1.8	1.4	4.0	8.9	2.6	1.0	0.7	0.5	0.6	1.7	1.2	2.5	0.4	
C.V. (%)	9.0	9.6	11.4	10.1	22.5	17.4	35.8	65.5	29.0	14.2	14.7	11.7	12.7	20.3	19.6	23.0	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 19B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT WEST LAFAYETTE, IN 1/
2015-19 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/											QUALITY RATINGS					
	GENETIC COLOR	LEAF TEXTURE	SPRING DENSITY	SUMMER DENSITY	DOLLAR SPOT	MOW QUALITY	DIVOT RECOVERY	PERCENT POA ANNUA	SURFACE SMOOTHNESS	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
NIGHTLIFE	8.0	7.5	7.7	8.0	6.2	7.5	5.3	11.5	5.7	7.3	7.0	7.6	7.4	6.6	6.2	7.1	7.0
CHINOOK (H10G-OP)	7.3	7.3	7.2	8.0	7.8	6.8	3.7	3.7	3.0	7.0	6.9	7.1	7.1	6.7	6.4	6.7	6.8
PC2.0 (PST-0CV6)	6.3	7.1	7.0	7.4	5.2	7.2	6.0	6.3	5.7	6.8	6.9	7.3	7.2	6.5	5.7	6.8	6.7
ARMOR	8.2	7.3	7.8	8.3	4.5	6.2	2.7	8.8	3.7	6.8	6.3	7.0	6.9	6.5	6.1	6.8	6.6
L-93XD	6.2	7.1	8.0	7.8	7.5	6.3	3.0	3.0	3.7	6.7	6.5	7.3	7.1	6.3	5.8	6.3	6.6
PIRANHA (DC-1)	7.2	7.2	7.8	8.2	7.0	6.3	4.0	4.2	4.3	6.7	6.5	7.1	7.1	6.3	5.9	6.2	6.6
007	7.3	7.3	7.5	8.2	7.2	5.3	3.7	6.0	4.3	6.5	6.3	7.1	7.0	6.1	5.8	6.3	6.4
BARRACUDA	6.8	7.1	7.5	7.6	6.7	7.0	3.7	5.2	5.0	6.2	6.3	6.8	7.0	6.4	5.9	5.9	6.4
SHARK	6.3	7.3	7.3	7.9	6.5	6.5	4.0	5.7	4.3	6.2	6.3	6.9	6.7	6.2	5.6	6.4	6.4
V-8	6.8	7.4	7.2	7.7	7.0	6.7	4.3	10.2	5.0	5.7	6.3	6.2	6.9	6.3	6.3	6.5	6.4
KINGDOM	8.3	7.5	8.3	8.0	6.2	5.5	4.7	14.5	3.0	6.5	6.3	7.0	6.7	6.3	5.5	6.1	6.3
PST-ORBS	7.2	7.7	7.8	8.2	6.3	4.7	4.7	9.5	3.7	6.7	6.3	6.9	6.7	6.0	5.5	6.3	6.3
CRYSTAL BLUE LINKS	6.8	6.7	6.7	6.5	6.3	6.7	4.3	12.5	7.0	6.0	6.3	6.4	6.6	6.0	5.8	6.4	6.2
PENNCROSS	6.3	5.1	5.3	5.8	4.5	8.5	5.3	31.7	9.0	5.0	5.5	5.7	5.7	5.3	4.9	5.9	5.5
LSD VALUE	0.6	0.4	0.9	0.5	1.9	1.4	4.5	9.2	3.1	1.2	0.8	0.6	0.7	1.8	1.4	2.7	0.5
C.V. (%)	8.2	9.1	11.1	9.6	22.9	17.9	38.0	84.8	34.2	14.1	14.4	11.8	13.0	21.5	21.1	24.2	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 19C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT WEST LAFAYETTE, IN 1/
2015-19 DATA

NAME	TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/											QUALITY RATINGS					
	GENETIC COLOR	LEAF TEXTURE	SPRING DENSITY	SUMMER DENSITY	DOLLAR SPOT	MOW QUALITY	DIVOT RECOVERY	PERCENT POA ANNUA	SURFACE SMOOTHNESS	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
MUSKET (PPG-AT 104)	5.8	7.3	6.5	7.4	7.8	7.5	3.3	20.8	7.0	5.3	5.6	6.2	5.9	6.3	6.3	6.2	6.1
DLFPS-AT/3026	5.8	6.7	6.2	7.2	7.7	7.8	4.3	29.2	8.3	5.0	5.5	6.0	6.1	6.0	6.1	5.9	5.8
GREENTIME	7.0	6.5	5.7	6.8	6.0	7.0	3.0	29.2	8.3	4.5	5.1	5.3	5.5	5.7	5.5	5.8	5.4
LSD VALUE	1.1	0.6	1.1	0.9	2.1	1.4	1.2	13.0	2.4	0.9	0.8	0.4	0.5	0.7	0.5	0.9	0.3
C.V. (%)	13.5	12.1	13.0	12.8	21.1	13.0	14.8	34.7	13.4	13.0	15.9	10.4	11.0	13.5	11.4	14.7	6.8

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

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

TABLE 20A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT LOGAN, UT 1/
2016-19 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT GROUND COVER			QUALITY RATINGS							
			SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
NIGHTLIFE	6.7	5.7	99.0	94.7	99	6.8	7.8	5.7	6.1	6.3	6.0	6.6	6.5
KINGDOM	6.3	5.6	99.0	99.0	99	6.2	7.8	5.8	6.4	6.2	6.1	6.2	6.4
ARMOR	7.0	6.1	99.0	99.0	99	6.6	7.4	5.6	6.1	6.2	6.2	6.3	6.3
MUSKET (PPG-AT 104)	6.0	6.0	96.0	88.3	99	5.4	6.0	5.6	5.9	5.4	5.8	5.7	5.7
PIRANHA (DC-1)	4.7	5.9	99.0	99.0	99	6.2	6.8	4.8	5.6	5.3	5.6	5.9	5.7
PST-ORBS	4.3	5.4	96.0	92.7	99	5.8	6.3	4.8	5.2	5.7	5.4	5.8	5.6
007	4.3	5.8	99.0	99.0	99	6.3	5.9	4.8	5.3	5.5	5.5	5.4	5.5
CHINOOK (H10G-OP)	4.7	6.1	99.0	96.0	99	6.1	6.5	4.8	5.0	5.3	5.3	5.8	5.5
PC2.0 (PST-0CV6)	4.0	5.9	99.0	96.0	99	5.9	6.1	5.1	5.8	5.3	5.2	5.3	5.5
V-8	5.0	5.1	99.0	96.0	99	5.8	6.4	4.6	5.7	5.4	5.3	5.7	5.5
BARRACUDA	4.7	6.3	99.0	92.7	99	5.8	6.1	4.8	5.6	5.0	5.1	5.3	5.4
CRYSTAL BLUE LINKS	3.0	5.8	99.0	88.0	99	5.8	5.9	5.1	5.3	5.1	5.3	5.5	5.4
SHARK	4.7	5.5	99.0	99.0	99	5.7	5.9	4.4	5.5	5.4	5.2	5.8	5.4
DLFPS-AT/3026	6.0	5.8	96.0	91.3	99	5.3	5.7	5.0	5.3	5.1	5.4	5.0	5.3
L-93XD	4.0	5.6	99.0	73.3	99	5.7	5.7	4.3	4.2	4.1	4.2	4.3	4.6
PENNCROSS	4.3	5.5	99.0	99.0	99	4.4	3.8	3.3	4.8	4.7	4.6	4.8	4.3
GREENTIME	6.7	5.8	99.0	86.7	99	5.0	4.2	2.8	3.6	3.7	4.1	4.3	3.9
LSD VALUE	1.1	2.6	6.5	13.7	0	1.1	0.8	1.3	1.1	1.3	1.0	1.0	0.6
C.V. (%)	13.8	23.9	2.2	7.5	0	20.3	18.2	31.4	24.1	27.4	21.2	21.1	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 20B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT LOGAN, UT 1/
2016-19 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT GROUND COVER			QUALITY RATINGS							
			SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
NIGHTLIFE	6.7	5.7	99.0	94.7	99	6.8	7.8	5.7	6.1	6.3	6.0	6.6	6.5
KINGDOM	6.3	5.6	99.0	99.0	99	6.2	7.8	5.8	6.4	6.2	6.1	6.2	6.4
ARMOR	7.0	6.1	99.0	99.0	99	6.6	7.4	5.6	6.1	6.2	6.2	6.3	6.3
PIRANHA (DC-1)	4.7	5.9	99.0	99.0	99	6.2	6.8	4.8	5.6	5.3	5.6	5.9	5.7
PST-0RBS	4.3	5.4	96.0	92.7	99	5.8	6.3	4.8	5.2	5.7	5.4	5.8	5.6
007	4.3	5.8	99.0	99.0	99	6.3	5.9	4.8	5.3	5.5	5.5	5.4	5.5
CHINOOK (H10G-OP)	4.7	6.1	99.0	96.0	99	6.1	6.5	4.8	5.0	5.3	5.3	5.8	5.5
PC2.0 (PST-0CV6)	4.0	5.9	99.0	96.0	99	5.9	6.1	5.1	5.8	5.3	5.2	5.3	5.5
V-8	5.0	5.1	99.0	96.0	99	5.8	6.4	4.6	5.7	5.4	5.3	5.7	5.5
BARRACUDA	4.7	6.3	99.0	92.7	99	5.8	6.1	4.8	5.6	5.0	5.1	5.3	5.4
CRYSTAL BLUE LINKS	3.0	5.8	99.0	88.0	99	5.8	5.9	5.1	5.3	5.1	5.3	5.5	5.4
SHARK	4.7	5.5	99.0	99.0	99	5.7	5.9	4.4	5.5	5.4	5.2	5.8	5.4
L-93XD	4.0	5.6	99.0	73.3	99	5.7	5.7	4.3	4.2	4.1	4.2	4.3	4.6
PENNCROSS	4.3	5.5	99.0	99.0	99	4.4	3.8	3.3	4.8	4.7	4.6	4.8	4.3
LSD VALUE	1.3	2.0	3.8	13.1	0	1.1	0.8	1.6	1.2	1.5	1.0	1.1	0.7
C.V. (%)	15.7	21.7	1.4	7.3	0	20.1	16.8	32.2	22.9	27.4	20.8	21.7	15.4

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

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

TABLE 20C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER REDUCED IRRIGATION AT LOGAN, UT 1/
2016-19 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT GROUND COVER			QUALITY RATINGS							
			SPRING	SUMMER	FALL	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
MUSKET (PPG-AT 104)	6.0	6.0	96.0	88.3	99	5.4	6.0	5.6	5.9	5.4	5.8	5.7	5.7
DLFPS-AT/3026	6.0	5.8	96.0	91.3	99	5.3	5.7	5.0	5.3	5.1	5.4	5.0	5.3
GREENTIME	6.7	5.8	99.0	86.7	99	5.0	4.2	2.8	3.6	3.7	4.1	4.3	3.9
LSD VALUE	0.8	2.1	11.0	17.6	0	1.1	1.1	0.9	1.2	1.0	1.0	0.7	0.6
C.V. (%)	5.4	32.3	4.9	8.5	0	19.5	26.1	26.9	30.1	27.1	23.3	17.3	16.5

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

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

TABLE 21A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER LOW TEMPERATURE/WINTER TOLERANCE AT FARGO, ND 1/
2016-19 DATA

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

NAME	TURFGRASS QUALITY			PERCENT GROUND COVER			QUALITY RATINGS					MEAN
	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	SPRING	SUMMER	FALL	MAY	JUN	JUL	AUG	SEP	
SHARK	5.5	6.7	7.7	92.1	96.8	99.0	5.9	6.9	6.6	7.5	7.0	6.8
KINGDOM	5.3	6.3	7.3	90.8	95.8	98.7	5.6	6.2	6.8	7.2	7.2	6.6
CRYSTAL BLUE LINKS	6.1	6.3	7.7	90.4	96.2	99.0	5.8	6.3	6.4	7.3	6.8	6.5
007	4.3	6.3	6.7	92.5	93.7	97.7	5.9	6.0	6.3	6.9	6.6	6.4
BARRACUDA	5.3	6.7	7.7	92.9	98.0	99.0	5.5	6.0	6.0	7.4	7.0	6.4
CHINOOK (H10G-OP)	5.3	6.3	7.3	89.6	96.2	97.2	5.8	6.4	6.3	6.8	6.6	6.4
PIRANHA (DC-1)	5.3	6.3	6.3	90.8	94.8	98.0	5.5	6.3	6.3	7.2	7.0	6.4
PST-0RBS	4.3	6.3	7.7	93.3	95.2	98.0	5.8	6.2	6.3	7.3	6.8	6.4
L-93XD	5.1	6.7	7.3	85.8	91.8	95.8	5.0	5.6	6.6	7.2	6.9	6.3
PC2.0 (PST-OCV6)	4.3	6.3	6.9	91.7	97.2	98.0	5.3	5.8	6.8	7.1	6.4	6.3
PENNCROSS	5.5	6.3	6.7	92.5	91.7	96.8	5.2	5.8	7.1	7.3	6.3	6.3
DLFPS-AT/3026	4.3	6.3	6.7	86.3	93.1	97.0	4.8	5.8	6.7	6.6	6.8	6.1
V-8	4.3	6.3	7.3	90.0	95.2	99.0	5.2	5.9	6.0	6.9	6.3	6.1
MUSKET (PPG-AT 104)	4.3	5.3	7.3	85.8	94.3	98.3	4.4	5.4	6.3	7.1	6.9	6.0
ARMOR	5.3	6.3	6.6	83.3	91.0	95.8	5.1	5.8	6.3	6.2	6.4	5.9
NIGHTLIFE	4.3	5.3	7.3	89.2	95.2	98.3	5.1	5.6	6.0	6.3	6.8	5.9
GREENTIME	4.9	5.6	7.3	83.3	92.2	95.8	4.4	5.2	6.4	6.5	6.7	5.8
LSD VALUE	0.4	0.5	0.5	5.0	5.0	2.2	0.8	0.5	0.7	0.5	1.0	0.6
C.V. (%)	10.6	8.3	7.1	6.7	5.2	2.5	17.3	10.8	11.1	8.7	11.6	9.9

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

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

TABLE 21B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF CREEPING BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER LOW TEMPERATURE/WINTER TOLERANCE AT FARGO, ND 1/
2016-19 DATA

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

NAME	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT GROUND COVER			MAY	JUN	QUALITY RATINGS			MEAN
				SPRING	SUMMER	FALL			JUL	AUG	SEP	
SHARK	5.5	6.7	7.7	92.1	96.8	99.0	5.9	6.9	6.6	7.5	7.0	6.8
KINGDOM	5.3	6.3	7.3	90.8	95.8	98.7	5.6	6.2	6.8	7.2	7.2	6.6
CRYSTAL BLUE LINKS 007	6.1	6.3	7.7	90.4	96.2	99.0	5.8	6.3	6.4	7.3	6.8	6.5
BARRACUDA	4.3	6.3	6.7	92.5	93.7	97.7	5.9	6.0	6.3	6.9	6.6	6.4
CHINOOK (H10G-OP)	5.3	6.7	7.7	92.9	98.0	99.0	5.5	6.0	6.0	7.4	7.0	6.4
PIRANHA (DC-1)	5.3	6.3	7.3	89.6	96.2	97.2	5.8	6.4	6.3	6.8	6.6	6.4
PST-ORBS	5.3	6.3	6.3	90.8	94.8	98.0	5.5	6.3	6.3	7.2	7.0	6.4
L-93XD	4.3	6.3	7.7	93.3	95.2	98.0	5.8	6.2	6.3	7.3	6.8	6.4
PC2.0 (PST-0CV6)	5.1	6.7	7.3	85.8	91.8	95.8	5.0	5.6	6.6	7.2	6.9	6.3
PENNCROSS	4.3	6.3	6.9	91.7	97.2	98.0	5.3	5.8	6.8	7.1	6.4	6.3
V-8	5.5	6.3	6.7	92.5	91.7	96.8	5.2	5.8	7.1	7.3	6.3	6.3
ARMOR	4.3	6.3	7.3	90.0	95.2	99.0	5.2	5.9	6.0	6.9	6.3	6.1
NIGHTLIFE	5.3	6.3	6.6	83.3	91.0	95.8	5.1	5.8	6.3	6.2	6.4	5.9
LSM VALUE	4.3	5.3	7.3	89.2	95.2	98.3	5.1	5.6	6.0	6.3	6.8	5.9
LSD VALUE	0.4	0.5	0.5	5.0	4.3	2.2	1.1	0.5	0.7	0.5	0.8	0.7
C.V. (%)	10.3	8.0	7.2	6.2	4.9	2.5	17.0	10.1	11.0	8.3	11.3	9.6

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 21C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF COLONIAL BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE UNDER LOW TEMPERATURE/WINTER TOLERANCE AT FARGO, ND 1/
2016-19 DATA

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

NAME	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT GROUND COVER			MAY	JUN	QUALITY RATINGS			MEAN
				SPRING	SUMMER	FALL			JUL	AUG	SEP	
DLFPS-AT/3026	4.3	6.3	6.7	86.3	93.1	97.0	4.8	5.8	6.7	6.6	6.8	6.1
MUSKET (PPG-AT 104)	4.3	5.3	7.3	85.8	94.3	98.3	4.4	5.4	6.3	7.1	6.9	6.0
GREENTIME	4.9	5.6	7.3	83.3	92.2	95.8	4.4	5.2	6.4	6.5	6.7	5.8
LSM VALUE	0.4	0.6	0.5	7.9	6.6	2.5	0.9	0.7	0.8	0.7	0.9	0.7
C.V. (%)	11.7	10.5	7.3	8.9	6.7	2.9	19.5	14.2	11.8	10.7	12.9	11.6

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

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

TABLE 22A.

GENETIC COLOR RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/									
	IA1	IL1	KS1	KY1	MI1	MO1	NJ1	VA1	WA1	MEAN
NIGHTLIFE	8.2	7.7	7.3	8.0	7.5	8.0	5.6	7.7	7.9	7.4
KINGDOM	8.5	7.3	7.8	8.0	7.1	8.0	5.3	7.7	8.0	7.3
ARMOR	7.7	6.9	7.8	8.0	7.0	7.3	5.6	7.0	8.0	7.1
PIRANHA (DC-1)	7.6	7.0	7.0	7.0	6.8	5.0	6.8	7.0	6.4	6.9
CHINOOK (H10G-OP)	7.3	7.3	7.0	7.0	6.7	5.0	6.3	7.0	6.1	6.9
007	7.5	6.9	6.7	7.0	6.9	5.3	6.3	7.0	6.6	6.9
BARRACUDA	6.9	7.1	6.8	7.0	6.6	4.7	6.5	6.7	6.0	6.7
PST-ORBS	7.3	7.2	6.5	7.0	6.8	5.3	5.3	7.0	6.0	6.6
SHARK	6.9	7.2	6.5	7.0	6.6	4.7	6.0	6.7	6.0	6.6
L-93XD	6.6	7.2	7.0	6.7	6.5	5.0	6.5	6.7	5.9	6.6
CRYSTAL BLUE LINKS	6.9	7.0	6.5	7.0	6.7	5.0	5.6	6.7	6.4	6.6
V-8	7.3	6.9	6.5	7.0	6.7	5.0	5.4	7.0	5.8	6.5
PC2.0 (PST-0CV6)	7.0	6.7	6.5	7.0	6.7	5.0	5.5	7.0	6.0	6.5
PENNCROSS	6.6	7.3	5.7	7.0	6.6	3.7	4.7	7.0	6.0	6.3
GREENTIME	7.1	6.6	6.2	6.7	6.5	4.0	4.3	6.3	6.9	6.2
DLFPS-AT/3026	6.4	5.5	6.3	6.0	6.1	4.0	4.5	5.7	6.8	5.9
MUSKET (PPG-AT 104)	6.5	5.9	6.5	6.3	6.1	3.7	3.9	6.3	6.6	5.9
LSD VALUE	1.1	0.8	1.4	0.4	0.6	0.8	1.7	0.9	0.6	0.5
C.V. (%)	9.7	7.8	12.5	3.4	5.4	9.7	18.4	7.9	6.1	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 22B.

GENETIC COLOR RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/									
	IA1	IL1	KS1	KY1	MI1	MO1	NJ1	VA1	WA1	MEAN
NIGHTLIFE	8.2	7.7	7.3	8.0	7.5	8.0	5.6	7.7	7.9	7.4
KINGDOM	8.5	7.3	7.8	8.0	7.1	8.0	5.3	7.7	8.0	7.3
ARMOR	7.7	6.9	7.8	8.0	7.0	7.3	5.6	7.0	8.0	7.1
PIRANHA (DC-1)	7.6	7.0	7.0	7.0	6.8	5.0	6.8	7.0	6.4	6.9
CHINOOK (H10G-OP)	7.3	7.3	7.0	7.0	6.7	5.0	6.3	7.0	6.1	6.9
007	7.5	6.9	6.7	7.0	6.9	5.3	6.3	7.0	6.6	6.9
BARRACUDA	6.9	7.1	6.8	7.0	6.6	4.7	6.5	6.7	6.0	6.7
PST-0RBS	7.3	7.2	6.5	7.0	6.8	5.3	5.3	7.0	6.0	6.6
SHARK	6.9	7.2	6.5	7.0	6.6	4.7	6.0	6.7	6.0	6.6
L-93XD	6.6	7.2	7.0	6.7	6.5	5.0	6.5	6.7	5.9	6.6
CRYSTAL BLUE LINKS	6.9	7.0	6.5	7.0	6.7	5.0	5.6	6.7	6.4	6.6
V-8	7.3	6.9	6.5	7.0	6.7	5.0	5.4	7.0	5.8	6.5
PC2.0 (PST-0CV6)	7.0	6.7	6.5	7.0	6.7	5.0	5.5	7.0	6.0	6.5
PENNCROSS	6.6	7.3	5.7	7.0	6.6	3.7	4.7	7.0	6.0	6.3
LSD VALUE	1.1	0.8	1.3	0.2	0.6	0.7	1.7	0.9	0.7	0.5
C.V. (%)	9.4	7.2	11.4	2.1	5.4	8.4	17.6	7.6	6.4	9.3

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

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

TABLE 22C.

GENETIC COLOR RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/									
	IA1	IL1	KS1	KY1	MI1	MO1	NJ1	VA1	WA1	MEAN
GREENTIME	7.1	6.6	6.2	6.7	6.5	4.0	4.3	6.3	6.9	6.2
DLFPS-AT/3026	6.4	5.5	6.3	6.0	6.1	4.0	4.5	5.7	6.8	5.9
MUSKET (PPG-AT 104)	6.5	5.9	6.5	6.3	6.1	3.7	3.9	6.3	6.6	5.9
LSD VALUE	1.2	0.8	1.8	0.8	0.4	1.1	1.6	0.9	0.3	0.5
C.V. (%)	10.8	9.0	17.5	7.4	4.1	17.1	23.8	9.4	2.7	12.0

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 23A.

SPRING GREENUP RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

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

NAME	IL1	MI1	NJ1	VA1	WA1	MEAN
BARRACUDA	7.2	4.8	5.6	7.0	7.0	6.3
007	6.9	4.4	5.7	7.3	7.0	6.2
CHINOOK (H10G-OP)	7.0	4.8	5.7	7.0	6.7	6.2
CRYSTAL BLUE LINKS	7.1	5.3	5.5	7.0	7.3	6.2
PC2.0 (PST-0CV6)	6.9	5.4	4.8	7.3	6.3	6.1
DLFPS-AT/3026	7.1	5.0	5.4	5.0	6.7	6.0
SHARK	7.1	4.2	5.3	6.7	6.7	6.0
MUSKET (PPG-AT 104)	7.0	4.8	5.3	5.0	6.7	6.0
V-8	6.8	5.1	4.8	7.3	7.0	5.9
GREENTIME	7.2	4.6	4.8	6.7	6.7	5.9
PIRANHA (DC-1)	6.3	3.4	6.7	7.0	7.0	5.9
L-93XD	6.4	3.4	5.8	7.0	7.3	5.7
PENNCROSS	6.9	4.9	4.2	7.0	6.3	5.7
ARMOR	7.3	4.3	3.3	8.0	7.0	5.7
PST-ORBS	6.5	4.4	4.5	7.3	7.0	5.6
KINGDOM	7.1	4.8	2.9	8.0	7.0	5.6
NIGHTLIFE	6.8	4.3	3.0	8.0	7.0	5.3
LSD VALUE	0.9	1.4	1.6	1.0	1.0	0.8
C.V. (%)	8.0	19.8	20.6	8.5	9.4	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 23B.

SPRING GREENUP RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

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

NAME	IL1	MI1	NJ1	VA1	WA1	MEAN
BARRACUDA	7.2	4.8	5.6	7.0	7.0	6.3
007	6.9	4.4	5.7	7.3	7.0	6.2
CHINOOK (H10G-OP)	7.0	4.8	5.7	7.0	6.7	6.2
CRYSTAL BLUE LINKS	7.1	5.3	5.5	7.0	7.3	6.2
PC2.0 (PST-0CV6)	6.9	5.4	4.8	7.3	6.3	6.1
SHARK	7.1	4.2	5.3	6.7	6.7	6.0
V-8	6.8	5.1	4.8	7.3	7.0	5.9
PIRANHA (DC-1)	6.3	3.4	6.7	7.0	7.0	5.9
L-93XD	6.4	3.4	5.8	7.0	7.3	5.7
PENNCROSS	6.9	4.9	4.2	7.0	6.3	5.7
ARMOR	7.3	4.3	3.3	8.0	7.0	5.7
PST-ORBS	6.5	4.4	4.5	7.3	7.0	5.6
KINGDOM	7.1	4.8	2.9	8.0	7.0	5.6
NIGHTLIFE	6.8	4.3	3.0	8.0	7.0	5.3
LSD VALUE	0.9	1.4	1.6	0.8	1.1	0.8
C.V. (%)	8.2	19.8	20.2	7.0	9.5	12.9

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 23C.

SPRING GREENUP RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

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

NAME	IL1	MI1	NJ1	VA1	WA1	MEAN
DLFPS-AT/3026	7.1	5.0	5.4	5.0	6.7	6.0
MUSKET (PPG-AT 104)	7.0	4.8	5.3	5.0	6.7	6.0
GREENTIME	7.2	4.6	4.8	6.7	6.7	5.9
LSD VALUE	0.8	1.5	1.9	1.4	0.9	0.9
C.V. (%)	7.4	20.2	24.6	15.9	8.7	14.6

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

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

TABLE 24A.

LEAF TEXTURE RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

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

NAME	NJ1
DLFPS-AT/3026	7.7
PIRANHA (DC-1)	7.7
MUSKET (PPG-AT 104)	7.5
L-93XD	7.4
007	6.9
CHINOOK (H10G-OP)	6.9
V-8	6.5
GREENTIME	6.4
BARRACUDA	6.4
SHARK	6.1
PST-0RBS	5.6
ARMOR	5.5
CRYSTAL BLUE LINKS	5.5
NIGHTLIFE	5.3
PC2.0 (PST-0CV6)	5.1
KINGDOM	4.9
PENNCROSS	3.3
LSD VALUE	1.4
C.V. (%)	13.1

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 24B. LEAF TEXTURE RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

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

NAME	NJ1
PIRANHA (DC-1)	7.7
L-93XD	7.4
007	6.9
CHINOOK (H10G-OP)	6.9
V-8	6.5
BARRACUDA	6.4
SHARK	6.1
PST-0RBS	5.6
ARMOR	5.5
CRYSTAL BLUE LINKS	5.5
NIGHTLIFE	5.3
PC2.0 (PST-0CV6)	5.1
KINGDOM	4.9
PENNCROSS	3.3
LSD VALUE	1.4
C.V. (%)	14.3

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 24C. LEAF TEXTURE RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

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

NAME	NJ1
DLFPS-AT/3026	7.7
MUSKET (PPG-AT 104)	7.5
GREENTIME	6.4
LSD VALUE	1.0
C.V. (%)	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 25A.

SEEDLING VIGOR RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2014 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
PC2.0 (PST-OCV6)	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 25B.

SEEDLING VIGOR RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2014 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
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
PC2.0 (PST-OCV6)	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

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 25C.

SEEDLING VIGOR RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2014 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/					
NAME	MO1	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 26A.

FALL DENSITY RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A FAIRWAY OR TEE
 2015-19 DATA

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

NAME	NJ1
PIRANHA (DC-1)	7.3
L-93XD	7.1
DLFPS-AT/3026	6.8
CHINOOK (H10G-OP)	6.6
007	6.4
BARRACUDA	6.1
MUSKET (PPG-AT 104)	6.1
V-8	5.6
SHARK	5.3
GREENTIME	5.1
CRYSTAL BLUE LINKS	4.9
KINGDOM	4.7
PST-0RBS	4.5
NIGHTLIFE	4.4
ARMOR	4.3
PC2.0 (PST-0CV6)	4.3
PENNCROSS	2.9
LSD VALUE	1.5
C.V. (%)	17.1

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 26B.

FALL DENSITY RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

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

NAME	NJ1
PIRANHA (DC-1)	7.3
L-93XD	7.1
CHINOOK (H10G-OP)	6.6
007	6.4
BARRACUDA	6.1
V-8	5.6
SHARK	5.3
CRYSTAL BLUE LINKS	4.9
KINGDOM	4.7
PST-0RBS	4.5
NIGHTLIFE	4.4
ARMOR	4.3
PC2.0 (PST-0CV6)	4.3
PENNCROSS	2.9
LSD VALUE	1.6
C.V. (%)	17.5

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

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

TABLE 26C.

FALL DENSITY RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

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

NAME	NJ1
DLFPS-AT/3026	6.8
MUSKET (PPG-AT 104)	6.1
GREENTIME	5.1
LSD VALUE	1.5
C.V. (%)	15.5

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

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

TABLE 27A.

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	KY1	VA1	MEAN
SHARK	93.3	91.7	92.5
GREENTIME	91.7	90.0	90.8
BARRACUDA	95.0	85.0	90.0
MUSKET (PPG-AT 104)	90.0	90.0	90.0
DLFPS-AT/3026	86.7	91.7	89.2
007	91.7	85.0	88.3
CHINOOK (H10G-OP)	91.7	85.0	88.3
CRYSTAL BLUE LINKS	86.7	86.7	86.7
PC2.0 (PST-0CV6)	91.7	78.3	85.0
NIGHTLIFE	90.0	78.3	84.2
PENNCROSS	90.0	78.3	84.2
PST-ORBS	88.3	80.0	84.2
V-8	85.0	83.3	84.2
PIRANHA (DC-1)	88.3	78.3	83.3
KINGDOM	86.7	78.3	82.5
L-93XD	86.7	78.3	82.5
ARMOR	85.0	75.0	80.0
LSD VALUE	8.4	8.8	6.1
C.V. (%)	5.9	6.6	6.2

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

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

TABLE 27B. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	KY1	VA1	MEAN
SHARK	93.3	91.7	92.5
BARRACUDA	95.0	85.0	90.0
007	91.7	85.0	88.3
CHINOOK (H10G-OP)	91.7	85.0	88.3
CRYSTAL BLUE LINKS	86.7	86.7	86.7
PC2.0 (PST-0CV6)	91.7	78.3	85.0
NIGHTLIFE	90.0	78.3	84.2
PENNCROSS	90.0	78.3	84.2
PST-ORBS	88.3	80.0	84.2
V-8	85.0	83.3	84.2
PIRANHA (DC-1)	88.3	78.3	83.3
KINGDOM	86.7	78.3	82.5
L-93XD	86.7	78.3	82.5
ARMOR	85.0	75.0	80.0
LSD VALUE	7.1	8.9	5.7
C.V. (%)	5.0	6.8	5.9

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

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

TABLE 27C. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	KY1	VA1	MEAN
GREENTIME	91.7	90.0	90.8
MUSKET (PPG-AT 104)	90.0	90.0	90.0
DLFPS-AT/3026	86.7	91.7	89.2
LSD VALUE	12.9	8.5	7.7
C.V. (%)	8.9	5.8	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 28A.

PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A FAIRWAY OR TEE
 2015-19 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	VA1
DLFPS-AT/3026	99.0
V-8	96.3
CHINOOK (H10G-OP)	95.0
PIRANHA (DC-1)	95.0
CRYSTAL BLUE LINKS	94.7
PST-0RBS	94.7
SHARK	94.7
MUSKET (PPG-AT 104)	93.3
NIGHTLIFE	93.3
007	93.0
ARMOR	91.7
L-93XD	91.7
GREENTIME	90.0
BARRACUDA	88.3
PENNCROSS	88.3
KINGDOM	88.0
PC2.0 (PST-0CV6)	86.3
LSD VALUE	9.6
C.V. (%)	6.5

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 28B. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	VA1
V-8	96.3
CHINOOK (H10G-OP)	95.0
PIRANHA (DC-1)	95.0
CRYSTAL BLUE LINKS	94.7
PST-0RBS	94.7
SHARK	94.7
NIGHTLIFE	93.3
007	93.0
ARMOR	91.7
L-93XD	91.7
BARRACUDA	88.3
PENNCROSS	88.3
KINGDOM	88.0
PC2.0 (PST-0CV6)	86.3
LSD VALUE	10.6
C.V. (%)	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 28C. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	VA1
DLFPS-AT/3026	99.0
MUSKET (PPG-AT 104)	93.3
GREENTIME	90.0
LSD VALUE	2.7
C.V. (%)	1.8

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 29A. PERCENT LIVING GROUND COVER (FALL) RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A FAIRWAY OR TEE
 2015-19 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	NJ1
BARRACUDA	86.7
PIRANHA (DC-1)	80.8
CHINOOK (H10G-OP)	77.5
V-8	75.8
SHARK	73.3
L-93XD	73.3
007	70.0
CRYSTAL BLUE LINKS	70.0
DLFPS-AT/3026	69.2
MUSKET (PPG-AT 104)	65.0
NIGHTLIFE	64.2
PENNCROSS	60.0
ARMOR	58.3
KINGDOM	56.7
PC2.0 (PST-0CV6)	52.5
PST-0RBS	52.5
GREENTIME	50.8
LSD VALUE	15.2
C.V. (%)	13.8

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

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

TABLE 29B. PERCENT LIVING GROUND COVER (FALL) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	NJ1
BARRACUDA	86.7
PIRANHA (DC-1)	80.8
CHINOOK (H10G-OP)	77.5
V-8	75.8
SHARK	73.3
L-93XD	73.3
007	70.0
CRYSTAL BLUE LINKS	70.0
NIGHTLIFE	64.2
PENNCROSS	60.0
ARMOR	58.3
KINGDOM	56.7
PC2.0 (PST-0CV6)	52.5
PST-0RBS	52.5
LSD VALUE	16.1
C.V. (%)	14.1

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

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

TABLE 29C. PERCENT LIVING GROUND COVER (FALL) RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	NJ1
DLFPS-AT/3026	69.2
MUSKET (PPG-AT 104)	65.0
GREENTIME	50.8
LSD VALUE	11.2
C.V. (%)	12.1

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 30A.

DOLLAR SPOT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

NAME	DOLLAR SPOT RATINGS 1-9; 9=NO DISEASE 2/						MEAN
	IA1	KS1	MD1	MI1	MO1	NJ1	
CHINOOK (H10G-OP)	8.0	7.7	8.3	7.3	7.7	7.8	7.9
DLFPS-AT/3026	7.8	6.7	8.3	7.5	8.3	8.1	7.8
L-93XD	8.4	7.3	7.9	6.7	7.4	7.4	7.7
PIRANHA (DC-1)	8.3	6.5	7.4	7.5	7.7	7.4	7.6
MUSKET (PPG-AT 104)	7.7	6.7	7.8	7.5	8.4	7.0	7.5
007	7.9	7.0	7.0	7.0	8.2	7.4	7.5
BARRACUDA	8.0	7.3	6.7	6.5	8.2	6.7	7.2
V-8	6.7	7.0	7.0	5.5	8.0	6.8	6.9
CRYSTAL BLUE LINKS	7.3	6.7	6.8	4.8	6.6	6.0	6.5
GREENTIME	7.1	6.5	6.7	4.5	7.4	5.1	6.2
SHARK	6.4	7.2	5.8	5.2	7.9	4.8	6.1
KINGDOM	6.3	7.2	5.6	4.5	6.2	5.2	5.8
NIGHTLIFE	6.7	6.5	5.4	4.3	5.9	5.3	5.7
PENNCROSS	6.0	5.8	5.0	4.5	5.8	4.0	5.3
PST-0RES	6.1	6.3	5.2	4.2	6.7	3.5	5.2
PC2.0 (PST-0CV6)	6.4	5.3	5.0	4.2	5.8	4.1	5.2
ARMOR	5.8	6.5	3.4	3.5	4.1	2.7	4.2
LSD VALUE	1.7	2.6	1.5	2.0	2.6	2.1	1.2
C.V. (%)	15.0	24.8	14.7	23.2	23.2	21.1	19.9

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 30B.

DOLLAR SPOT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

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

NAME	IA1	KS1	MD1	MI1	MO1	NJ1	MEAN
CHINOOK (H10G-OP)	8.0	7.7	8.3	7.3	7.7	7.8	7.9
L-93XD	8.4	7.3	7.9	6.7	7.4	7.4	7.7
PIRANHA (DC-1)	8.3	6.5	7.4	7.5	7.7	7.4	7.6
007	7.9	7.0	7.0	7.0	8.2	7.4	7.5
BARRACUDA	8.0	7.3	6.7	6.5	8.2	6.7	7.2
V-8	6.7	7.0	7.0	5.5	8.0	6.8	6.9
CRYSTAL BLUE LINKS	7.3	6.7	6.8	4.8	6.6	6.0	6.5
SHARK	6.4	7.2	5.8	5.2	7.9	4.8	6.1
KINGDOM	6.3	7.2	5.6	4.5	6.2	5.2	5.8
NIGHTLIFE	6.7	6.5	5.4	4.3	5.9	5.3	5.7
PENNCROSS	6.0	5.8	5.0	4.5	5.8	4.0	5.3
PST-ORBS	6.1	6.3	5.2	4.2	6.7	3.5	5.2
PC2.0 (PST-OCV6)	6.4	5.3	5.0	4.2	5.8	4.1	5.2
ARMOR	5.8	6.5	3.4	3.5	4.1	2.7	4.2
LSD VALUE	1.7	2.6	1.6	2.1	2.6	2.1	1.2
C.V. (%)	15.1	24.7	16.2	25.9	24.3	22.1	20.7

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 30C.

DOLLAR SPOT RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

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

NAME	IA1	KS1	MD1	MI1	MO1	NJ1	MEAN
DLEPS-AT/3026	7.8	6.7	8.3	7.5	8.3	8.1	7.8
MUSKET (PPG-AT 104)	7.7	6.7	7.8	7.5	8.4	7.0	7.5
GREENTIME	7.1	6.5	6.7	4.5	7.4	5.1	6.2
LSD VALUE	1.6	2.5	1.0	1.1	2.2	1.6	1.0
C.V. (%)	14.1	25.0	8.0	11.3	17.2	16.0	16.1

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 31A.

BROWN PATCH (WARM TEMPERATURE) RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A FAIRWAY OR TEE
 2015-19 DATA

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

NAME	IA1	MD1	MO1	NJ1	MEAN
CHINOOK (H10G-OP)	9.0	9.0	8.8	8.0	8.7
PIRANHA (DC-1)	9.0	9.0	9.0	7.9	8.6
L-93XD	9.0	9.0	8.8	8.0	8.6
BARRACUDA	8.7	8.9	9.0	7.4	8.5
007	8.0	9.0	8.8	7.6	8.4
NIGHTLIFE	9.0	8.1	9.0	7.8	8.4
ARMOR	9.0	8.7	9.0	7.5	8.3
PENNCROSS	8.3	8.9	8.8	5.8	8.2
V-8	9.0	8.8	8.7	7.0	8.2
PC2.0 (PST-0CV6)	8.7	8.4	8.8	7.3	8.1
KINGDOM	9.0	8.3	9.0	6.9	8.0
SHARK	9.0	8.8	8.3	6.8	8.0
CRYSTAL BLUE LINKS	9.0	8.6	8.5	6.6	8.0
PST-ORBS	7.3	8.9	8.5	6.5	7.6
DLFPS-AT/3026	8.3	6.1	5.2	4.1	5.6
MUSKET (PPG-AT 104)	5.0	6.4	4.7	5.0	5.4
GREENTIME	8.0	5.3	2.8	4.0	5.1
LSD VALUE	1.8	1.1	1.2	1.8	1.3
C.V. (%)	13.4	8.1	9.0	16.0	12.0

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 31B. BROWN PATCH (WARM TEMPERATURE) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

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

NAME	IA1	MD1	MO1	NJ1	MEAN
CHINOOK (H10G-OP)	9.0	9.0	8.8	8.0	8.7
PIRANHA (DC-1)	9.0	9.0	9.0	7.9	8.6
L-93XD	9.0	9.0	8.8	8.0	8.6
BARRACUDA	8.7	8.9	9.0	7.4	8.5
007	8.0	9.0	8.8	7.6	8.4
NIGHTLIFE	9.0	8.1	9.0	7.8	8.4
ARMOR	9.0	8.7	9.0	7.5	8.3
PENNCROSS	8.3	8.9	8.8	5.8	8.2
V-8	9.0	8.8	8.7	7.0	8.2
PC2.0 (PST-0CV6)	8.7	8.4	8.8	7.3	8.1
KINGDOM	9.0	8.3	9.0	6.9	8.0
SHARK	9.0	8.8	8.3	6.8	8.0
CRYSTAL BLUE LINKS	9.0	8.6	8.5	6.6	8.0
PST-0RBS	7.3	8.9	8.5	6.5	7.6
LSD VALUE	1.6	0.8	0.5	1.5	1.1
C.V. (%)	11.2	5.6	3.8	12.4	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 31C. BROWN PATCH (WARM TEMPERATURE) RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

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

NAME	IA1	MD1	MO1	NJ1	MEAN
DLFPS-AT/3026	8.3	6.1	5.2	4.1	5.6
MUSKET (PPG-AT 104)	5.0	6.4	4.7	5.0	5.4
GREENTIME	8.0	5.3	2.8	4.0	5.1
LSD VALUE	2.7	1.9	2.4	2.3	1.9
C.V. (%)	23.4	19.5	37.7	35.8	27.5

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 32A.

ANTHRACNOSE RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2017 DATA

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

NAME	NJ1
DLFPS-AT/3026	9.0
GREENTIME	9.0
MUSKET (PPG-AT 104)	9.0
PC2.0 (PST-0CV6)	9.0
L-93XD	8.7
V-8	8.7
SHARK	8.0
ARMOR	7.3
CHINOOK (H10G-OP)	7.3
PIRANHA (DC-1)	7.0
BARRACUDA	6.7
NIGHTLIFE	6.7
007	6.3
KINGDOM	6.0
PST-0RBS	5.3
CRYSTAL BLUE LINKS	4.3
PENNCROSS	3.3
LSD VALUE	2.3
C.V. (%)	19.6

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

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

TABLE 32B.

ANTHRACNOSE RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2017 DATA

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

NAME	NJ1
PC2.0 (PST-0CV6)	9.0
L-93XD	8.7
V-8	8.7
SHARK	8.0
ARMOR	7.3
CHINOOK (H10G-OP)	7.3
PIRANHA (DC-1)	7.0
BARRACUDA	6.7
NIGHTLIFE	6.7
007	6.3
KINGDOM	6.0
PST-0RBS	5.3
CRYSTAL BLUE LINKS	4.3
PENNCROSS	3.3
LSD VALUE	2.5
C.V. (%)	22.8

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

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

TABLE 32C.

ANTHRACNOSE RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2017 DATA

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

NAME	NJ1
DLFPS-AT/3026	9
GREENTIME	9
MUSKET (PPG-AT 104)	9
C.V. (%)	0
LSD VALUE	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 33A.

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
PC2.0 (PST-0CV6)	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 33B.

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
PC2.0 (PST-0CV6)	6.0
PST-ORBS	6.0
LSD VALUE	1.4
C.V. (%)	12.2

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

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

TABLE 33C.

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 34A.

FALL COLOR (OCTOBER) RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A FAIRWAY OR TEE
 2016-18 DATA

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

NAME	IL1	KY1	MI1	MEAN
KINGDOM	7.7	7.0	7.3	7.3
NIGHTLIFE	7.3	7.7	7.0	7.3
007	7.7	6.0	8.0	7.2
CHINOOK (H10G-OP)	8.0	6.0	7.7	7.2
ARMOR	6.7	7.0	7.7	7.1
PIRANHA (DC-1)	7.0	6.0	8.3	7.1
SHARK	7.0	6.0	8.3	7.1
PC2.0 (PST-0CV6)	8.0	5.3	8.0	7.1
PST-0RBS	7.3	6.0	8.0	7.1
BARRACUDA	7.0	6.0	8.0	7.0
PENNCROSS	7.3	6.0	7.7	7.0
V-8	7.7	5.7	7.7	7.0
CRYSTAL BLUE LINKS	7.3	5.7	7.7	6.9
L-93XD	7.3	6.0	7.3	6.9
MUSKET (PPG-AT 104)	6.7	5.7	8.0	6.8
GREENTIME	6.7	5.7	7.7	6.7
DLFPS-AT/3026	7.0	5.0	7.7	6.6
LSD VALUE	0.9	0.6	1.1	0.9
C.V. (%)	7.9	5.7	8.6	7.4

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ FALL COLOR (OCTOBER) RATED AT "KY1" IN 2016 ONLY, "IL1" IN 2017 ONLY, AND "MI1" IN 2018 ONLY.

TABLE 34B. FALL COLOR (OCTOBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2016-18 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/				
NAME	IL1	KY1	MI1	MEAN
KINGDOM	7.7	7.0	7.3	7.3
NIGHTLIFE	7.3	7.7	7.0	7.3
007	7.7	6.0	8.0	7.2
CHINOOK (H10G-OP)	8.0	6.0	7.7	7.2
ARMOR	6.7	7.0	7.7	7.1
PIRANHA (DC-1)	7.0	6.0	8.3	7.1
SHARK	7.0	6.0	8.3	7.1
PC2.0 (PST-OCV6)	8.0	5.3	8.0	7.1
PST-0RBS	7.3	6.0	8.0	7.1
BARRACUDA	7.0	6.0	8.0	7.0
PENNCROSS	7.3	6.0	7.7	7.0
V-8	7.7	5.7	7.7	7.0
CRYSTAL BLUE LINKS	7.3	5.7	7.7	6.9
L-93XD	7.3	6.0	7.3	6.9
LSD VALUE	1.0	0.5	1.1	0.8
C.V. (%)	8.1	5.0	8.4	7.2

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ FALL COLOR (OCTOBER) RATED AT "KY1" IN 2016 ONLY, "IL1" IN 2017 ONLY, AND "MI1" IN 2018 ONLY.

TABLE 34C. FALL COLOR (OCTOBER) RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2016-18 DATA

FALL COLOR RATINGS 1-9; 9=COMPLETE COLOR RETENTION 2/ 3/				
NAME	IL1	KY1	MI1	MEAN
MUSKET (PPG-AT 104)	6.7	5.7	8.0	6.8
GREENTIME	6.7	5.7	7.7	6.7
DLFPS-AT/3026	7.0	5.0	7.7	6.6
LSD VALUE	0.8	0.8	1.2	0.9
C.V. (%)	7.0	8.7	9.6	8.4

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.
- 3/ FALL COLOR (OCTOBER) RATED AT "KY1" IN 2016 ONLY, "IL1" IN 2017 ONLY, AND "MI1" IN 2018 ONLY.

TABLE 35A.

FALL COLOR (NOVEMBER) RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-18 DATA

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

NAME	IL1	NJ1	MEAN
CHINOOK (H10G-OP)	7.0	8.0	7.1
NIGHTLIFE	7.4	5.0	7.0
V-8	7.1	6.3	7.0
PIRANHA (DC-1)	6.8	8.0	6.9
BARRACUDA	7.0	6.0	6.7
PENNCROSS	7.4	3.7	6.7
SHARK	7.1	5.3	6.7
ARMOR	6.8	5.7	6.6
KINGDOM	6.8	5.7	6.5
PST-ORBS	7.0	4.7	6.5
L-93XD	6.6	6.7	6.4
PC2.0 (PST-0CV6)	6.9	4.7	6.4
007	6.4	7.3	6.4
GREENTIME	6.9	3.7	6.3
CRYSTAL BLUE LINKS	6.3	5.0	5.9
MUSKET (PPG-AT 104)	6.4	3.0	5.9
DLFPS-AT/3026	6.3	3.7	5.7
LSD VALUE	1.0	1.4	1.0
C.V. (%)	9.2	15.9	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.
- 3/ FALL COLOR (NOVEMBER) RATED AT "NJ1" IN 2017 ONLY, AND "IL1" DURING 2015-18.

TABLE 35B. FALL COLOR (NOVEMBER) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-18 DATA

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

NAME	IL1	NJ1	MEAN
CHINOOK (H10G-OP)	7.0	8.0	7.1
NIGHTLIFE	7.4	5.0	7.0
V-8	7.1	6.3	7.0
PIRANHA (DC-1)	6.8	8.0	6.9
BARRACUDA	7.0	6.0	6.7
PENNCROSS	7.4	3.7	6.7
SHARK	7.1	5.3	6.7
ARMOR	6.8	5.7	6.6
KINGDOM	6.8	5.7	6.5
PST-0RBS	7.0	4.7	6.5
L-93XD	6.6	6.7	6.4
PC2.0 (PST-0CV6)	6.9	4.7	6.4
007	6.4	7.3	6.4
CRYSTAL BLUE LINKS	6.3	5.0	5.9
LSD VALUE	1.0	1.5	1.0
C.V. (%)	9.3	15.8	10.9

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

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

3/ FALL COLOR (NOVEMBER) RATED AT "NJ1" IN 2017 ONLY, AND "IL1" DURING 2015-18.

TABLE 35C. FALL COLOR (NOVEMBER) RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE
2015-18 DATA

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

NAME	IL1	NJ1	MEAN
GREENTIME	6.9	3.7	6.3
MUSKET (PPG-AT 104)	6.4	3.0	5.9
DLFPS-AT/3026	6.3	3.7	5.7
LSD VALUE	0.8	0.8	0.7
C.V. (%)	7.9	13.7	8.5

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

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

3/ FALL COLOR (NOVEMBER) RATED AT "NJ1" IN 2017 ONLY, AND "IL1" DURING 2015-18.

TABLE 36A.

PERCENT ESTABLISHMENT RATINGS OF BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE 2/
2014 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
PC2.0 (PST-0CV6)	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 36B. PERCENT ESTABLISHMENT RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE 2/
2014 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
PC2.0 (PST-0CV6)	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

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 36C. PERCENT ESTABLISHMENT RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE 2/
2014 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 37A. PERCENT CRABGRASS (AUGUST) RATINGS OF BENTGRASS CULTIVARS 1/
 GROWN ON A FAIRWAY OR TEE 2/
 2018 DATA

NAME	MD1
GREENTIME	41.7
PENNCROSS	36.7
DLFPS-AT/3026	13.7
PST-0RBS	12.7
PC2.0 (PST-0CV6)	12.0
ARMOR	11.3
KINGDOM	10.7
CRYSTAL BLUE LINKS	8.0
NIGHTLIFE	6.3
CHINOOK (H10G-OP)	4.3
MUSKET (PPG-AT 104)	4.0
V-8	3.7
007	3.0
SHARK	3.0
BARRACUDA	2.7
L-93XD	2.0
PIRANHA (DC-1)	1.7
LSD VALUE	6.1
C.V. (%)	36.1

- 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 37B. PERCENT CRABGRASS (AUGUST) RATINGS OF CREEPING BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE 2/
2018 DATA

NAME	MD1
PENNCROSS	36.7
PST-0RBS	12.7
PC2.0 (PST-0CV6)	12.0
ARMOR	11.3
KINGDOM	10.7
CRYSTAL BLUE LINKS	8.0
NIGHTLIFE	6.3
CHINOOK (H10G-OP)	4.3
V-8	3.7
007	3.0
SHARK	3.0
BARRACUDA	2.7
L-93XD	2.0
PIRANHA (DC-1)	1.7
LSD VALUE	4.7
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 37C. PERCENT CRABGRASS (AUGUST) RATINGS OF COLONIAL BENTGRASS CULTIVARS 1/
GROWN ON A FAIRWAY OR TEE 2/
2018 DATA

NAME	MD1
GREENTIME	41.7
DLFPS-AT/3026	13.7
MUSKET (PPG-AT 104)	4.0
LSD VALUE	10.2
C.V. (%)	31.9

- 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.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR BENTGRASS CULTIVARS
GROWN ON A FAIRWAY OR TEE
2015-19 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF

NAME	QUALITY	
	MEAN 1/	MAXIMUM IN TOP 25% 2/
007	6.4	60
ARMOR	5.7	10
BARRACUDA	6.3	40
CHINOOK (H10G-OP)	6.5	60
CRYSTAL BLUE LINKS	6.1	0
DLFPS-AT/3026	5.9	20
GREENTIME	5.3	0
KINGDOM	5.8	20
L-93XD	6.3	20
MUSKET (PPG-AT 104)	5.8	10
NIGHTLIFE	6.0	30
PC2.0 (PST-0CV6)	5.8	20
PENNCROSS	5.2	0
PIRANHA (DC-1)	6.6	70
PST-0RBS	5.8	10
SHARK	6.2	10
V-8	6.2	20
LSD VALUE	0.3	
C.V. (%)	8.4	

*/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE 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.