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. Mike Kenna, USGA Green Section
Dr. Jason Kruse, University of Florida
Dr. David Kopec, University of Arizona
Mr. Gary Wilbur, Oakwood Sod Farms
Mr. Mark Johnson, Golf Course Superintendents Assoc. of America
Dr. Eric Watkins, University of Minnesota
Mr. Steve Reid, DLF Pickseed USA
Dr. Scott Ebdon, University of Massachusetts

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

CONTENTS

2016 National Seashore Paspalum Test – 2017 data

CONTENTS (continued)

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*.

2016 NATIONAL SEASHORE PASPALUM TEST

LOCATIONS SUBMITTING DATA FOR 2017

State	Location	Code
Alabama	Auburn	Al1
Arkansas	Fayetteville	AR1
California	Riverside	CA3
Florida	Jay	FL3
Georgia	Griffin	GA1
Mississippi	Mississippi State	MS1
Oklahoma	Stillwater	OK1
Texas	College Station (Drought)	TX2

```
Entry         Name                Sponsor
No


*1            Salam               Standard
*2            Sea Isle 1          Standard
*3            SeaStar             The University of Georgia
 4            UGA Hyb2            The University of Georgia
 5            UGA 1743            The University of Georgia

 6            UGA Sr15-14         The University of Georgia
 7            UGA SR14-1E         The University of Georgia
 8            UGP 73              The University of Georgia
 9            UGP 94              The University of Georgia
10            UGA Sr15-15         The University of Georgia
```

    * Commercially Available in the USA in 2018

TABLE A. 2017 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2016 NATIONAL SEASHORE PASPALUM 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
AL1	-	-	-	-	-	-	-	-
AR1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	4.1-5.0	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	0.6-1.0	TO PREVENT STRESS
FL3	SAND	5.6-6.0	151-270	0-150	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
GA1	SANDY CLAY LOAM	-	-	-	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
MS1	SANDY LOAM	7.1-7.5	271-450	241-375	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
OK1	LOAM	7.1-7.5	61-150	241-375	4.1-5.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
TX2	-	7.6-8.5	0-60	0-150	0.0-1.0	FULL SUN	0.0-0.5	TO PREVENT STRESS

TABLE B. LOCATIONS AND DATA COLLECTED IN 2017

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
AL1			X	X	X	X	X	X	X	X			X		
AR1					X	X	X	X	X				X	X	X
CA3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
FL3				X	X	X	X	X	X	X	X		X	X	
GA1				X	X	X	X	X	X	X			X	X	
MS1				X	X	X	X	X	X	X	X		X	X	X
OK1				X	X	X	X	X	X	X	X		X	X	X
TX2				X	X	X	X	X	X	X			X	X	X

3

TABLE B. (CONT'D)   LOCATIONS AND DATA COLLECTED IN 2017

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	DOLLAR SPOT	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER
AL1									X	X		
AR1		X		X	X	X						
CA3	X	X	X									X
FL3	X	X	X				X		X	X	X	
GA1									X	X		
MS1		X	X					X			X	
OK1			X	X	X	X						
TX2								X				

TABLE B. (CONT'D)   LOCATIONS AND DATA COLLECTED IN 2017

LOCATION	PERCENT ESTABLISHMENT RATINGS IN 2016					PERCENT ESTABLISHMENT IN 2017		
	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	MARCH	APRIL	JUNE
AL1	X	X	X			X	X	
AR1								
CA3		X	X					
FL3								
GA1								
MS1		X	X	X			X	X
OK1	X	X	X	X				
TX2		X	X	X				

TABLE 1.   TURFGRASS QUALITY RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
                GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1   **/
                               2017 DATA

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

NAME	ENTRY #	AL1
SEA ISLE 1	2	5.8
SALAM	1	5.8
UGP 94	9	5.7
UGA SR14-1E	7	5.4
UGP 73	8	5.3
UGA HYB2	4	5.2
SEASTAR	3	5.1
UGA SR15-14	6	4.7
UGA SR15-15	10	4.6
UGA 1743	5	4.4
LSD VALUE		0.7
C.V. (%)		8.3

TABLE 2.   TURFGRASS QUALITY RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
            GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 **/
                           2017 DATA

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

NAME	GA1	OK1	MS1	CA3	FL3	TX2	MEAN
UGP 73	6.4	5.9	6.7	6.2	6.3	7.0	6.4
UGP 94	6.2	5.7	6.5	6.0	6.1	6.6	6.2
SALAM	6.1	5.6	6.4	5.9	5.9	6.3	6.1
SEASTAR	6.0	5.5	6.3	5.8	5.9	6.6	6.0
UGA SR15-15	5.9	5.4	6.3	5.8	5.9	6.8	6.0
SEA ISLE 1	6.0	5.5	6.3	5.8	5.8	6.2	6.0
UGA 1743	5.8	5.3	6.2	5.7	5.9	6.7	5.9
UGA SR15-14	5.8	5.3	6.1	5.6	5.7	6.4	5.8
UGA HYB2	5.7	5.2	6.0	5.5	5.6	6.0	5.7
UGA SR14-1E	5.6	5.0	5.8	5.3	5.3	5.6	5.4
LSD VALUE	0.7	0.7	0.7	0.7	0.7	0.7	0.7
C.V. (%)	7.2	7.8	6.8	7.4	7.3	6.7	7.2

*/ COMMERCIALLY AVAILABLE IN THE USA IN 2018

**/ 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 3.    TURFGRASS QUALITY RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                     GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3  */
                                      2017 DATA

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


                         NAME                   AR1

                         UGA 1743               8.5
                         UGA SR15-15            8.4
                         UGP 73                 8.3
                         SEASTAR                7.7
                         UGA SR15-14            7.7
                         UGP 94                 7.2
                         SALAM                  6.7
                         UGA HYB2               6.6
                         SEA ISLE 1             6.4
                         UGA SR14-1E            5.7


                         LSD VALUE              0.7
                         C.V. (%)               5.8


         TABLE 4.    MEAN TURFGRASS QUALITY RATINGS OF SEASHORE PASPALUM CULTIVARS
                          GROWN AT TWO LOCATIONS IN THE U.S.  1/
                                      2016 DATA

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


                         NAME            CA3    OK1    MEAN

                         UGA 1743        5.9    6.8    6.3
                         UGA SR15-15     5.9    6.7    6.3
                         UGP 73          6.0    6.6    6.3
                         SEA ISLE 1      5.8    6.6    6.2
                         SALAM           6.3    5.9    6.1
                         UGA SR15-14     5.9    5.9    5.9
                         SEASTAR         5.8    6.0    5.9
                         UGP 94          5.6    6.1    5.8
                         UGA HYB2        5.4    6.1    5.8
                         UGA SR14-1E     5.3    6.1    5.7


                         LSD VALUE       0.7    0.5    0.4
                         C.V. (%)        7.5    5.2    6.4
```

*/ 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 O.05).

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

```
        TABLE 5.       GENETIC COLOR RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                    2017 DATA


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


        NAME          AL1     AR1     CA3     FL3     GA1     MS1     OK1     TX2     MEAN

        UGP 73        7.7     8.3     6.3     7.7     6.7     6.7     7.0     7.7     7.3
        UGA 1743      6.3     9.0     5.7      .      6.3     7.0     6.7     7.7     7.0
        UGP 94        8.0     8.3     6.3     6.7     6.3     6.0     6.3     6.3     6.8
        UGA HYB2      7.7     7.0     6.0     6.7     6.3     6.0     6.3     6.3     6.5
        UGA SR15-14   6.7     6.3     5.7     6.7     7.3     6.0     6.0     7.7     6.5
        SEA ISLE 1    7.3     6.7     6.0     5.7     7.0     6.0     5.7     6.7     6.4
        SEASTAR       6.3     8.3     5.7     6.7     6.0     6.3     5.7     6.0     6.4
        UGA SR15-15   5.7     5.0     6.3     6.3     7.0     6.7     6.0     7.7     6.3
        SALAM         8.0     5.0     6.7     6.0     6.7     6.0     5.3     5.7     6.2
        UGA SR14-1E   9.0     5.3     5.3     5.3     7.3     6.0     5.3     5.3     6.1

        LSD VALUE     0.8     0.9     1.1     1.3     0.8     0.5     0.8     0.9     0.3
        C.V. (%)      6.6     7.9     11.4    12.4    7.2     5.0     8.0     8.2     8.5




        TABLE 6.       SPRING GREENUP RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                    2017 DATA


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


        NAME          AR1     CA3     FL3     GA1     MS1     OK1     TX2     MEAN

        SEASTAR       8.0     5.7     6.3     6.0     5.3     7.3     7.0     6.5
        SALAM         7.3     6.3     6.0     5.7     6.0     7.0     6.3     6.4
        UGA SR15-15   7.3     6.3     6.7     6.3     5.3     7.0     5.7     6.4
        UGP 94        7.3     6.0     6.0     6.3     5.0     6.7     6.3     6.2
        SEA ISLE 1    8.3     6.0     5.7     5.0     5.3     7.0     5.7     6.1
        UGA HYB2      7.0     5.7     6.7     5.3     4.3     6.7     5.7     5.9
        UGP 73        7.7     6.0     6.3     5.3     5.0     6.0     5.0     5.9
        UGA SR15-14   6.3     5.7     6.3     4.7     4.0     6.7     5.7     5.6
        UGA SR14-1E   4.3     5.3     7.0     5.7     4.3     7.0     5.3     5.6
        UGA 1743      7.7     5.3      .      5.0     3.7     6.3     5.0     5.5

        LSD VALUE     1.2     0.9     0.9     1.3     1.0     0.7     0.8     0.4
        C.V. (%)      10.6    9.9     9.1     14.4    13.1    6.0     8.4     10.3
```

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

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

7

TABLE 7.   LEAF TEXTURE RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
2017 DATA

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

NAME	AR1	MS1	OK1	TX2	MEAN
UGA SR15-14	8.7	7.0	5.0	8.0	7.2
UGA 1743	8.3	6.3	5.3	7.7	6.9
UGA SR15-15	7.3	7.0	5.3	7.3	6.8
UGP 73	8.7	6.3	5.0	6.3	6.6
SEASTAR	8.3	6.0	5.0	6.3	6.4
UGA SR14-1E	7.3	6.0	5.0	6.7	6.3
UGP 94	7.3	6.0	4.0	6.3	5.9
SALAM	6.7	6.0	4.7	5.7	5.8
UGA HYB2	6.7	5.7	5.0	5.3	5.7
SEA ISLE 1	6.0	6.0	5.0	5.3	5.6
LSD VALUE	0.9	0.5	0.7	1.0	0.4
C.V. (%)	7.3	5.1	9.1	9.7	7.9

TABLE 8.   SPRING DENSITY RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
2017 DATA

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

NAME	CA3	FL3	MEAN
SEA ISLE 1	6.0	5.7	5.8
UGP 73	6.3	5.3	5.8
UGA 1743	5.7	.	5.7
UGP 94	6.3	5.0	5.7
SALAM	6.3	4.7	5.5
UGA SR15-15	6.3	4.7	5.5
UGA HYB2	6.0	4.3	5.2
SEASTAR	5.7	4.0	4.8
UGA SR14-1E	5.0	4.3	4.7
UGA SR15-14	5.7	3.3	4.5
LSD VALUE	1.1	2.1	1.2
C.V. (%)	11.1	28.4	19.2

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 9.   SUMMER DENSITY RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
2017 DATA

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

NAME	AR1	CA3	FL3	MS1	MEAN
UGP 73	8.3	6.3	8.0	7.0	7.4
UGA 1743	8.0	6.0	.	6.7	6.9
SEASTAR	7.7	5.7	7.3	6.3	6.8
UGA SR15-15	6.3	6.3	6.3	7.0	6.5
UGA SR14-1E	7.3	5.7	6.7	6.0	6.4
UGA SR15-14	7.0	6.0	6.0	6.7	6.4
UGP 94	6.3	6.3	6.7	6.3	6.4
SEA ISLE 1	5.7	6.0	7.3	6.0	6.3
UGA HYB2	6.3	6.0	7.0	5.7	6.3
SALAM	5.0	6.3	6.7	6.0	6.0
LSD VALUE	0.9	1.0	1.7	0.7	0.6
C.V. (%)	8.5	10.4	15.3	6.4	10.7

TABLE 10.   FALL DENSITY RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
2017 DATA

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

NAME	CA3	FL3	MS1	MEAN
UGA SR15-15	6.3	7.0	7.0	6.8
UGP 94	6.3	7.3	6.7	6.8
UGP 73	6.0	7.0	7.0	6.7
SEASTAR	5.7	7.3	6.7	6.6
SEA ISLE 1	5.7	7.0	6.7	6.4
UGA 1743	5.7	.	7.0	6.3
SALAM	6.3	6.3	6.3	6.3
UGA HYB2	5.3	7.0	6.3	6.2
UGA SR14-1E	5.0	7.0	6.0	6.0
UGA SR15-14	5.7	6.0	6.0	5.9
LSD VALUE	1.2	1.4	0.7	0.7
C.V. (%)	13.0	12.8	6.2	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 11.   PERCENT LIVING GROUND COVER (SPRING) RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
2017 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AR1	OK1	MEAN
UGP 73	80.3	91.3	85.8
SEA ISLE 1	76.7	93.7	85.2
UGA HYB2	77.3	91.0	84.2
UGP 94	73.7	91.3	82.5
SEASTAR	72.3	90.7	81.5
UGA 1743	71.0	84.0	77.5
SALAM	59.0	94.0	76.5
UGA SR15-15	61.7	91.3	76.5
UGA SR14-1E	38.7	89.3	64.0
UGA SR15-14	39.3	82.7	61.0
LSD VALUE	12.0	9.4	7.6
C.V. (%)	11.4	6.5	8.6

TABLE 12.   PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
2017 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AR1	OK1	MEAN
UGP 73	94.0	97.0	95.5
SEASTAR	93.3	97.0	95.2
SEA ISLE 1	91.7	97.3	94.5
UGA HYB2	89.3	98.0	93.7
UGA SR15-14	88.7	97.0	92.8
UGA SR14-1E	88.0	97.0	92.5
UGP 94	87.7	96.3	92.0
SALAM	85.0	98.0	91.5
UGA SR15-15	87.0	95.3	91.2
UGA 1743	92.3	88.0	90.2
LSD VALUE	4.4	8.5	4.8
C.V. (%)	3.1	5.5	4.5

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
    STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD O.05).

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

TABLE 13.   PERCENT LIVING GROUND COVER (FALL) RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
2017 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AR1	OK1	MEAN
UGP 73	98.0	89.3	93.7
UGA 1743	98.0	85.0	91.5
SEASTAR	94.3	86.7	90.5
SEA ISLE 1	95.0	85.0	90.0
UGP 94	94.0	83.3	88.7
UGA SR15-15	90.0	86.0	88.0
UGA SR14-1E	91.3	83.3	87.3
UGA HYB2	91.3	81.7	86.5
UGA SR15-14	90.7	80.0	85.3
SALAM	82.7	85.0	83.8
LSD VALUE	5.1	5.4	3.7
C.V. (%)	3.4	4.0	3.7

TABLE 14.   WINTER COLOR RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
2017 DATA

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

NAME	FL3	TX2	MEAN
SALAM	3.3	5.7	4.5
SEASTAR	3.0	6.0	4.5
UGP 94	3.0	5.7	4.3
UGA 1743	.	4.3	4.3
UGA SR15-15	2.7	6.0	4.3
SEA ISLE 1	2.3	6.0	4.2
UGP 73	2.7	5.3	4.0
UGA HYB2	2.7	5.0	3.8
UGA SR15-14	2.3	4.7	3.5
UGA SR14-1E	2.3	4.3	3.3
LSD VALUE	1.1	0.9	0.7
C.V. (%)	25.7	10.3	15.3

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 O.05).

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

```
               TABLE 15.   DOLLAR SPOT RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                       2017 DATA


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


                               NAME            MS1


                               SEA ISLE 1      7.3
                               SALAM           7.0
                               UGA HYB2        6.7
                               UGP 73          6.3
                               UGP 94          6.3
                               UGA SR14-1E     5.7
                               UGA 1743        5.3
                               SEASTAR         4.7
                               UGA SR15-14     4.7
                               UGA SR15-15     4.3


                               LSD VALUE       1.8
                               C.V. (%)       19.5
```

```
              TABLE 16.    FALL COLOR (SEPTEMBER) RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                       2017 DATA


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


                     NAME          AL1     FL3    GA1    MEAN


                     UGP 73        6.3     7.3    6.7    6.8
                     UGA SR15-14   6.0     7.0    7.0    6.7
                     SALAM         6.3     6.7    6.7    6.6
                     UGP 94        6.7     6.7    6.3    6.6
                     UGA HYB2      6.3     7.0    6.3    6.6
                     UGA SR15-15   6.0     6.7    6.7    6.4
                     UGA 1743      6.0      .     6.7    6.3
                     SEASTAR       6.0     7.0    6.0    6.3
                     SEA ISLE 1    6.3     5.7    6.7    6.2
                     UGA SR14-1E   5.7     4.7    7.3    5.9


                     LSD VALUE     1.4     1.2    1.0    0.7
                     C.V. (%)     14.5    11.4    9.1   11.8
```

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
    STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD O.O5).

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

12

TABLE 17.   FALL COLOR (OCTOBER) RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
                                 2017 DATA

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

NAME	AL1	FL3	GA1	MEAN
UGA SR15-15	7.3	7.3	6.0	6.9
UGA SR15-14	7.0	6.7	6.3	6.7
UGA 1743	7.0	.	6.3	6.7
UGP 73	6.7	7.0	6.0	6.6
UGA HYB2	6.3	7.0	6.3	6.6
SEASTAR	6.7	6.7	6.0	6.4
SALAM	6.7	6.3	6.0	6.3
SEA ISLE 1	6.3	6.0	6.3	6.2
UGP 94	5.7	6.0	6.0	5.9
UGA SR14-1E	6.0	4.7	6.7	5.8
LSD VALUE	1.4	0.9	0.7	0.6
C.V. (%)	13.0	8.5	6.6	9.9

TABLE 18.   FALL COLOR (NOVEMBER) RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
                                 2017 DATA

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

NAME	FL3	MS1	MEAN
SEASTAR	6.3	7.0	6.7
UGA SR15-15	7.0	6.3	6.7
UGP 73	7.0	5.7	6.3
SALAM	6.3	6.3	6.3
UGA SR15-14	6.3	6.3	6.3
UGP 94	6.0	6.0	6.0
SEA ISLE 1	5.7	6.0	5.8
UGA HYB2	6.0	5.7	5.8
UGA 1743	.	5.7	5.7
UGA SR14-1E	4.0	5.0	4.5
LSD VALUE	1.6	0.7	0.9
C.V. (%)	16.8	7.5	12.8

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 O.O5).

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

TABLE 19.   FALL COLOR (DECEMBER) RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
2017 DATA

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

NAME	CA3
SALAM	6.7
UGA SR14-1E	6.0
UGA SR15-15	6.0
UGP 73	6.0
SEA ISLE 1	5.7
SEASTAR	5.7
UGA 1743	5.7
UGA HYB2	5.7
UGA SR15-14	5.3
UGP 94	4.7
LSD VALUE	0.8
C.V. (%)	8.4

TABLE 20.   PERCENT ESTABLISHMENT RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
AT AUBURN, AL 2/
2017 DATA

NAME	JULY_20	JULY_28	AUGUST	SEPTEMBER	MARCH	APRIL	MEAN
SALAM	16.7	21.7	45.0	76.7	89.3	85.0	55.7
SEA ISLE 1	10.0	16.7	43.3	85.0	93.0	85.0	55.5
UGP 73	8.3	13.3	40.0	73.3	86.3	83.3	50.8
UGA HYB2	15.0	20.0	38.3	66.7	83.3	71.7	49.2
UGP 94	8.3	15.0	40.0	73.3	83.0	73.3	48.8
UGA 1743	6.0	11.7	30.0	60.0	76.7	78.3	43.8
UGA SR15-14	5.0	11.7	26.7	66.7	80.0	70.0	43.3
SEASTAR	6.0	8.3	18.3	46.7	70.0	73.3	37.1
UGA SR15-15	5.0	8.3	21.7	56.7	66.7	61.7	36.7
UGA SR14-1E	5.3	5.0	18.3	36.7	50.0	56.7	28.7
LSD VALUE	5.5	5.7	27.4	24.7	22.0	16.6	12.8
C.V. (%)	36.5	25.6	39.3	20.5	15.0	11.9	15.8

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

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

TABLE 21.   PERCENT ESTABLISHMENT RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
                          AT RIVERSIDE, CA 2/
                             2016 DATA

NAME	AUGUST	SEPTEMBER	MEAN
SALAM	50.0	90.0	70.0
UGP 94	50.0	86.7	68.3
UGA 1743	35.0	85.0	60.0
SEA ISLE 1	38.3	80.0	59.2
UGA SR15-15	30.0	83.3	56.7
UGA SR15-14	33.3	78.3	55.8
UGA HYB2	45.0	61.7	53.3
UGP 73	35.0	71.7	53.3
UGA SR14-1E	28.3	75.0	51.7
SEASTAR	23.3	50.0	36.7
LSD VALUE	16.8	49.8	32.4
C.V. (%)	23.6	26.1	24.0

TABLE 22.   PERCENT ESTABLISHMENT RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
                       AT MISSISSIPPI STATE, MS 2/
                            2016-17 DATA

NAME	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	APRIL	JUNE	MEAN
SALAM	51.7	81.7	89.7	89.7	88.3	99.0	83.3
UGP 73	43.3	73.3	78.3	81.7	81.7	99.0	76.2
SEASTAR	40.0	71.7	76.7	83.3	78.3	99.0	74.8
UGP 94	40.0	71.7	80.0	71.7	81.7	99.0	74.0
SEA ISLE 1	31.7	53.3	71.7	75.0	78.3	99.0	68.2
UGA SR15-15	35.0	56.7	63.3	65.0	73.3	96.0	64.9
UGA 1743	25.0	41.7	51.7	58.3	55.0	88.0	53.3
UGA SR15-14	25.0	43.3	50.0	60.0	50.0	86.7	52.5
UGA HYB2	26.7	40.0	50.0	51.7	50.0	78.3	49.4
UGA SR14-1E	25.0	40.0	41.7	41.7	46.7	85.0	46.7
LSD VALUE	10.6	15.0	21.0	22.2	25.5	14.8	14.8
C.V. (%)	18.1	15.9	18.4	18.2	20.2	8.1	13.5

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

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

TABLE 23.   PERCENT ESTABLISHMENT RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
                                        AT STILLWATER, OK 2/
                                            2016 DATA

| | JULY_22 | AUG_5 | | | | | | | |
| | 2 WEEKS | 4 WEEKS | | | | | | | |
NAME	2 WEEKS	4 WEEKS	AUG_18	SEPT_1	SEP_14	SEP_29	COT_14	OCT_28	MEAN
SEA ISLE 1	20.0	52.3	91.7	97.7	98.0	92.7	94.3	83.3	78.8
SEASTAR	16.7	43.3	90.7	98.3	98.7	94.7	95.0	85.0	77.8
UGP 73	21.0	34.3	80.0	98.0	98.7	93.3	94.3	86.7	75.8
SALAM	10.7	40.0	91.7	96.7	98.3	90.0	91.3	86.7	75.7
UGA HYB2	16.7	31.7	77.7	97.3	98.0	93.3	93.3	88.3	74.5
UGP 94	19.0	32.7	73.3	96.0	98.7	90.0	93.0	83.3	73.3
UGA SR15-15	19.3	26.7	65.0	89.0	92.3	90.3	90.0	91.7	70.5
UGA SR15-14	18.3	22.3	46.7	86.0	90.3	89.3	90.0	90.0	66.6
UGA 1743	15.0	26.7	53.3	82.7	86.3	86.7	88.0	90.0	66.1
UGA SR14-1E	19.0	23.3	40.0	77.3	83.7	88.7	88.3	90.0	63.8
LSD VALUE	5.0	11.2	18.0	16.4	15.2	17.9	17.4	9.1	9.3
C.V. (%)	15.3	19.6	15.3	8.8	7.4	6.9	6.7	4.5	6.8

TABLE 24.   PERCENT ESTABLISHMENT RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
                              AT COLLEGE STATION TX 2/
                                    2016 DATA

NAME	AUGUST	SEPTEMBER	OCTOBER	MEAN
SALAM	28.3	70.0	99	65.8
UGA SR15-15	36.7	61.7	99	65.8
UGA SR15-14	33.3	60.0	99	64.1
UGP 73	33.3	55.0	99	62.4
UGA HYB2	30.0	56.7	99	61.9
SEA ISLE 1	21.7	61.7	99	60.8
SEASTAR	21.7	53.3	99	58.0
UGP 94	26.7	43.3	99	56.3
UGA 1743	21.7	38.3	99	53.0
UGA SR14-1E	25.0	35.0	99	53.0
LSD VALUE	15.2	15.5	0	9.4
C.V. (%)	24.6	16.3	0	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 O.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 SEASHORE PASPALUM CULTIVARS
IN THE 2016 NATIONAL SEASHORE PASPALUM TEST */
2017 DATA

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

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
SALAM	6.1	37.5
SEA ISLE 1	6.0	12.5
SEASTAR	6.1	12.5
UGA 1743	6.1	12.5
UGA HYB2	5.7	0.0
UGA SR14-1E	5.5	0.0
UGA SR15-14	5.9	12.5
UGA SR15-15	6.1	12.5
UGP 73	6.5	75.0
UGP 94	6.3	37.5
LSD VALUE	0.2	
C.V. (%)	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).

**/ 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.