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, one member from the Sports Turf Managers Association of America (STMA), 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. Bo Lacy, Barenbrug USA.
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. Austin Fricker, Pure-Seed Testing, Inc.
Mr. Steve Rackliffe, University of Connecticut
Ms. Kristen Althouse, Sports Turf Managers Association of America

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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2016 National Seashore Paspalum Test – 2016-2020 data

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 cannot 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 2016-2020

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	TX2

2016 National Seashore Paspalum Test
Entries and Sponsors

Entry No	Name	Sponsor
*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 US in 2021 or in any other country

TABLE A.   2016-20 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	4.6-5.5	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	151-270	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	0.6-1.0	TO PREVENT STRESS

TABLE B.   LOCATIONS AND DATA COLLECTED IN 2016-20

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	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	X
FL3			X	X	X	X	X	X	X	X	X		X	X	
GA1				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

3

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

TABLE B. (CONT'D)   LOCATIONS AND DATA COLLECTED IN 2016-20

LOCATION	DOLLAR SPOT RATINGS MAR	APR	JUL	SEP	OCT	PERCENT ESTABLISHMENT RATINGS JUL 2016	AUG 2016	SEP 2016	OCT 2016	NOV 2016	MAR 2017	APR 2017	JUN 2017
AL1			X	X	X	X	X	X			X	X	
AR1													
CA3							X	X					
FL3	X	X											
GA1													
MS1							X	X	X	X		X	X
OK1						X	X	X	X				
* TX2							X	X	X				

* MORE TRAFFIC DATA FOR TX2 IN TABLE 13.

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TABLE 1.                    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
```

*/ COMMERCIALLY AVAILABLE IN THE USA IN 2021

*/ 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.

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TABLE 2.                        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
```

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TABLE 3.                              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             ENTRY #    GA1      OK1      MS1      CA3      FL3      TX2     MEAN

             UGP 73           8         6.4      5.9      6.7      6.2      6.3      7.0      6.4
             UGP 94           9         6.2      5.7      6.5      6.0      6.1      6.6      6.2
           * SALAM            1         6.1      5.6      6.4      5.9      5.9      6.3      6.1
           * SEASTAR          3         6.0      5.5      6.3      5.8      5.9      6.6      6.0
             UGA SR15-15      10        5.9      5.4      6.3      5.8      5.9      6.8      6.0
           * SEA ISLE 1       2         6.0      5.5      6.3      5.8      5.8      6.2      6.0
             UGA 1743         5         5.8      5.3      6.2      5.7      5.9      6.7      5.9
             UGA SR15-14      6         5.8      5.3      6.1      5.6      5.7      6.4      5.8
             UGA HYB2         4         5.7      5.2      6.0      5.5      5.6      6.0      5.7
             UGA SR14-1E      7         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
```

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

```
TABLE 4.                         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
```

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```
TABLE 5.                    TURFGRASS QUALITY RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                             GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1   **/
                                               2018 DATA

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

               NAME                    # ENTRY         MS1     OK1     CA3     MEAN

               UGP 73                     8            7.0     6.5     5.9     6.5
               UGA SR15-15               10            6.9     6.3     5.8     6.3
             * SALAM                      1            6.8     6.2     5.7     6.3
               UGP 94                     9            6.8     6.3     5.7     6.3
             * SEASTAR                    3            6.8     6.2     5.7     6.2
             * SEA ISLE 1                 2            6.6     5.8     5.7     6.0
               UGA 1743                   5            6.6     5.8     5.6     6.0
               UGA SR15-14                6            6.5     5.7     5.5     5.9
               UGA HYB2                   4            6.5     5.6     5.5     5.9
               UGA SR14-1E                7            6.2     4.9     5.5     5.5

               LSD VALUE                               0.6     0.6     0.6     0.6
               C.V. (%)                                5.7     6.4     6.7     6.2
```

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```
TABLE 6.                         TURFGRASS QUALITY RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                  GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2  **/
                                                     2018 DATA

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

                    NAME                    # ENTRY        GA1      FL3      AL1     MEAN

                    UGP 94                     9           6.0      6.6      5.8      6.1
                  * SALAM                      1           6.0      6.2      5.5      5.9
                  * SEA ISLE 1                 2           6.0      5.7      5.5      5.7
                    UGP 73                     8           5.9      5.8      4.9      5.5
                    UGA HYB2                   4           5.9      5.4      5.4      5.5
                    UGA 1743                   5           5.8      5.5      5.1      5.5
                  * SEASTAR                    3           5.7      5.7      4.9      5.4
                    UGA SR15-14               6            5.7      5.2      5.0      5.3
                    UGA SR15-15               10           5.7      5.4      4.5      5.2
                    UGA SR14-1E               7            5.9      4.3      5.3      5.2

                    LSD VALUE                              0.6      0.6      0.6      0.6
                    C.V. (%)                               6.4      6.7      7.3      6.8
```

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TABLE 7.   TURFGRASS QUALITY RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
                                         GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1   **/
                                                         2019 DATA

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

NAME	# ENTRY	OK1
UGP 73	8	6.5
UGP 94	9	6.5
*SALAM	1	6.5
*SEA ISLE 1	2	6.4
*SEASTAR	3	6.3
UGA HYB2	4	6.3
UGA SR15-15	10	6.2
UGA 1743	5	6.1
UGA SR15-14	6	5.9
UGA SR14-1E	7	5.5
LSD VALUE		0.5
C.V. (%)		5.4

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```
TABLE 8.                        TURFGRASS QUALITY RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                  GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2  **/
                                                   2019 DATA

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

                    NAME                        CA3      FL3      MS1      MEAN

                    UGP 94                      6.1      6.6      6.1      6.2
                    UGP 73                      6.1      6.5      6.1      6.2
                  * SALAM                       6.0      6.5      5.9      6.1
                  * SEA ISLE 1                  6.0      6.4      5.9      6.1
                    UGA 1743                    5.8      6.4      6.0      6.0
                    UGA SR15-15                 5.8      6.3      5.8      5.9
                  * SEASTAR                     5.8      6.3      5.7      5.9
                    UGA HYB2                    5.8      6.2      5.6      5.9
                    UGA SR15-14                 5.5      6.0      5.6      5.7
                    UGA SR14-1E                 5.2      5.8      5.5      5.5

                    LSD VALUE                   0.5      0.5      0.5      0.5
                    C.V. (%)                    5.8      5.3      5.8      5.6
```

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```
TABLE 9.                    TURFGRASS QUALITY RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                               GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 3  */
                                                  2019 DATA

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


                                   NAME                     AL1

                                   UGA 1743                 5.7
                                   UGP 94                   5.5
                                   UGP 73                   5.3
                                   UGA SR14-1E              5.3
                                 * SEA ISLE 1               5.1
                                 * SALAM                    5.0
                                   UGA SR15-15              5.0
                                   UGA SR15-14              4.9
                                 * SEASTAR                  4.7
                                   UGA HYB2                 4.6

                                   LSD VALUE                0.5
                                   C.V. (%)                 6.6
```

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*/ 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.

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TABLE 10.                            TURFGRASS QUALITY RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                        GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1   **/
                                                           2020 DATA

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


                  NAME                     # ENTRY         GA1      OK1      CA3      MEAN

               * SALAM                        1            6.1      7.0      6.2      6.4
                 UGA SR15-15                 10            5.9      6.7      6.0      6.2
                 UGP 73                       8            6.1      6.8      5.5      6.1
                 UGA HYB2                     4            6.1      6.8      5.2      6.0
                 UGA SR15-14                  6            6.0      6.5      5.5      6.0
               * SEA ISLE 1                   2            5.9      6.7      5.3      6.0
                 UGP 94                       9            6.0      6.9      5.0      5.9
                 UGA 1743                     5            5.9      6.5      5.2      5.9
               * SEASTAR                      3            5.8      6.7      4.9      5.8
                 UGA SR14-1E                  7            6.0      6.1      4.9      5.7


                 MEAN                                      6.0      6.7      5.4      6.0

                 LSD VALUE                                 0.7      0.7      0.7      0.7
                 C.V. (%)                                  7.3      6.5      8.1      7.2
```

*/ COMMERCIALLY AVAILABLE IN THE USA IN 2021

**/ 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 11.   TURFGRASS QUALITY RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
                                      GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 2 **/
                                                            2020 DATA

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

NAME	# ENTRY	FL3	AL1	MS1	MEAN
UGP 94	9	7.1	6.2	6.1	6.5
* SEASTAR	3	6.8	6.0	5.9	6.2
UGA HYB2	4	6.4	5.8	6.0	6.1
UGP 73	8	6.5	5.5	6.0	6.0
* SALAM	1	6.8	5.0	6.0	5.9
* SEA ISLE 1	2	6.4	5.5	5.9	5.9
UGA 1743	5	5.9	5.3	5.8	5.7
UGA SR15-15	10	6.1	4.6	5.8	5.5
UGA SR15-14	6	5.5	4.9	5.7	5.3
UGA SR14-1E	7	4.3	4.9	5.5	4.9
MEAN		6.2	5.4	5.9	5.8
LSD VALUE		0.7	0.7	0.7	0.7
C.V. (%)		7.0	8.1	7.4	7.5

*/ COMMERCIALLY AVAILABLE IN THE USA IN 2021

**/ 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 12.   MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SEASHORE PASPALUM CULTIVARS
GROWN UNDER COLD TOLERANCE AT FAYETTEVILLE, AR   1/
2017-19 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SUMMER DENSITY	PERCENT GROUND COVER			WINTER KILL	QUALITY RATINGS					
					SPRING	SUMMER	FALL		MAY	JUN	JUL	AUG	SEP	MEAN
UGA SR15-14	7.1	5.4	7.8	7.4	35.5	93.0	90.7	40.8	7.0	8.2	8.2	8.4	8.2	8.3
UGA SR15-15	7.0	6.2	7.6	7.0	65.5	92.3	90.0	10.8	7.7	8.2	8.1	8.3	8.0	8.1
UGA 1743	7.7	4.8	7.6	7.0	45.7	94.0	98.0	49.2	8.0	7.7	7.4	7.8	7.7	7.5
UGP 73	7.4	6.1	7.6	7.7	75.2	96.5	98.0	9.2	8.0	7.5	7.6	7.6	7.7	7.4
SEASTAR	7.4	5.6	7.4	6.7	41.7	96.0	94.3	56.7	7.7	7.5	7.0	7.3	7.2	7.2
UGP 94	7.3	5.2	7.2	6.9	54.8	92.2	94.0	37.5	7.0	7.0	7.3	7.3	7.2	7.2
SEA ISLE 1	6.9	5.2	6.8	6.6	70.5	94.7	95.0	20.8	7.0	6.3	6.7	7.0	6.5	6.8
UGA HYB2	6.7	6.0	6.8	6.6	73.8	93.7	91.3	14.2	6.7	6.7	6.9	6.9	6.7	6.8
SALAM	6.0	6.3	6.8	6.3	56.8	91.5	82.7	22.5	6.7	6.0	6.0	6.1	6.0	6.0
UGA SR14-1E	6.3	3.9	7.0	6.7	24.5	91.3	91.3	65.8	4.7	5.8	6.1	6.1	6.0	5.9
LSD VALUE	1.0	2.4	0.7	1.1	21.4	9.5	5.8	10.4	0.8	1.0	0.6	0.7	0.8	0.5
C.V. (%)	13.9	33.6	9.3	12.9	34.0	5.2	3.6	30.1	6.9	12.3	9.0	10.7	10.3	8.1

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 13.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SEASHORE PASPALUM CULTIVARS
GROWN UNDER TRAFFIC STRESS AT COLLEGE STATION, TX 1/
2018-19 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	WINTER COLOR	QUALITY RATINGS							
					APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
UGA SR15-15	7.2	6.2	6.7	5.0	6.0	6.8	7.5	6.7	7.2	7.0	7.3	7.0
UGA SR15-14	7.3	5.7	7.3	5.3	6.3	6.8	6.8	6.5	6.3	7.0	7.3	6.8
UGP 73	7.2	6.0	6.2	4.3	6.3	6.7	6.7	6.8	7.2	7.2	6.7	6.8
SEASTAR	6.8	6.0	6.0	4.3	6.7	7.0	6.5	6.8	6.8	6.5	6.7	6.7
UGA 1743	7.2	6.0	6.5	5.3	6.3	7.0	6.7	6.3	6.3	6.7	6.7	6.6
UGP 94	6.0	5.2	5.8	3.7	7.0	6.7	6.3	6.7	6.3	6.3	6.0	6.4
SALAM	6.4	6.2	5.4	4.6	6.3	6.8	6.6	6.3	6.2	6.4	5.6	6.3
SEA ISLE 1	6.5	6.0	5.5	4.8	6.7	6.3	6.7	6.2	5.8	5.8	6.0	6.2
UGA HYB2	6.5	5.8	5.8	4.5	6.0	6.2	6.5	6.0	5.7	6.0	5.8	6.0
UGA SR14-1E	6.5	5.5	6.3	4.8	6.3	5.5	6.3	6.0	6.0	6.0	5.7	5.9
LSD VALUE	0.8	1.2	0.8	0.9	1.9	1.6	1.5	1.3	0.9	1.2	0.8	0.6
C.V. (%)	8.8	11.5	10.7	14.7	10.5	14.3	12.2	11.4	11.2	12.6	10.6	7.6

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 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SEASHORE PASPALUM CULTIVARS
GROWN UNDER TRAFFIC STRESS AT COLLEGE STATION, TX 1/
2018-19 DATA

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

NAME	PERCENT GROUND COVER NO TRAFFIC AUGUST-OCTOBER							PERCENT GROUND COVER TRAFFIC AUGUST-OCTOBER						
	AUG 24	AUG 31	SEPT 7	SEPT 14	SEPT 21	SEPT 28	OCT 5	AUG 24	AUG 31	SEPT 7	SEPT 14	SEPT 21	SEPT 28	OCT 5
UGA SR15-15	78.3	77.0	79.7	83.3	89.0	95.7	87.7	74.7	75.7	77.0	72.7	79.7	80.7	80.3
UGA SR15-14	80.0	79.0	84.3	84.3	86.0	95.0	89.3	80.7	77.0	77.3	80.3	81.3	84.3	79.3
UGP 73	78.3	80.7	80.7	82.3	82.7	93.3	84.7	78.7	78.3	80.3	79.7	82.3	81.3	72.3
SEASTAR	85.7	86.7	83.0	84.7	81.0	93.7	82.7	75.3	74.7	78.0	77.7	78.0	79.0	75.3
UGA 1743	80.0	77.7	82.0	81.3	84.0	96.3	89.3	78.3	76.7	77.0	78.0	78.0	82.3	74.3
UGP 94	79.0	78.0	80.0	78.0	75.3	86.7	79.3	76.7	77.0	74.7	74.0	74.7	70.3	68.3
SALAM	78.7	76.3	77.0	78.3	74.7	92.0	83.0	81.3	83.0	75.0	75.3	68.3	74.3	74.7
SEA ISLE 1	82.0	82.0	80.0	80.3	83.0	90.0	84.3	86.0	84.3	78.7	79.0	74.7	73.7	70.7
UGA HYB2	76.7	74.7	76.3	77.0	76.7	86.0	79.3	80.7	80.3	73.7	75.7	70.3	75.0	58.7
UGA SR14-1E	73.0	75.0	81.3	82.7	82.0	90.0	80.0	76.0	74.0	73.3	76.3	73.3	75.3	70.3
LSD VALUE	17.9	18.5	13.9	11.1	9.8	10.3	14.9	16.4	17.9	14.7	14.3	9.7	14.7	15.1
C.V. (%)	8.3	8.8	6.3	5.4	6.0	5.0	7.2	7.9	8.6	6.8	6.8	6.3	8.1	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 13.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SEASHORE PASPALUM CULTIVARS
GROWN UNDER TRAFFIC STRESS AT COLLEGE STATION, TX 1/
2018-19 DATA

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

NAME	PERCENT GROUND COVER NO TRAFFIC SEPTEMBER-OCTOBER						PERCENT GROUND COVER TRAFFIC SEPTEMBER-OCTOBER					
	SEPT 10	SEPT 18	SEPT 27	OCT 7	OCT 17	OCT 23	SEPT 10	SEPT 18	SEPT 27	OCT 7	OCT 17	OCT 23
UGA SR15-15	84.0	86.7	85.3	86.0	82.0	76.3	87.0	86.7	84.3	77.7	73.0	70.7
UGA SR15-14	89.0	86.7	88.7	90.0	86.7	86.3	89.3	88.0	87.0	87.0	85.0	83.0
UGP 73	92.0	95.0	87.7	83.7	85.0	80.0	92.3	91.3	81.7	78.0	76.0	69.7
SEASTAR	92.7	93.7	90.7	91.0	86.7	88.0	92.3	93.0	90.3	85.3	79.3	86.3
UGA 1743	94.0	93.0	88.7	94.0	93.0	89.3	90.7	95.0	91.7	92.0	81.0	74.7
UGP 94	86.3	89.3	85.0	88.7	85.3	76.3	84.0	83.3	80.7	79.3	77.7	73.0
SALAM	86.0	83.5	89.0	86.5	85.0	86.5	90.0	88.0	87.0	85.0	81.0	82.0
SEA ISLE 1	88.7	85.7	84.3	87.0	83.7	83.0	84.0	83.7	83.0	83.3	79.0	80.3
UGA HYB2	89.3	93.3	92.7	89.0	82.7	81.7	87.0	88.7	86.0	85.0	80.0	81.0
UGA SR14-1E	88.3	86.7	90.7	88.7	91.0	89.0	82.0	87.7	85.0	83.3	87.3	76.7
LSD VALUE	18.2	12.1	17.7	17.0	13.7	17.6	23.2	20.6	23.9	16.1	22.3	25.5
C.V. (%)	7.3	5.8	7.0	6.8	6.3	8.6	9.3	8.4	9.6	7.8	10.1	12.5

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.

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TABLE 14.                   GENETIC COLOR RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                      2016-20 DATA


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


            NAME            AL1    CA3    FL3    GA1    MS1    OK1    MEAN

            UGP 73          7.4    6.1    7.7    6.2    6.4    7.2    6.7
            UGA 1743        6.8    5.6     .     6.2    6.3    7.0    6.4
            UGA HYB2        6.6    5.8    6.7    6.1    6.0    6.9    6.3
            SALAM           6.6    6.2    6.0    6.2    6.0    6.3    6.3
            UGA SR15-14     6.6    5.4    6.7    6.9    6.1    6.4    6.3
            UGP 94          6.7    6.0    6.7    6.1    6.1    6.3    6.2
            UGA SR15-15     6.1    6.1    6.3    6.2    6.3    6.5    6.2
            SEASTAR         6.4    5.8    6.7    6.1    6.1    6.5    6.2
            SEA ISLE 1      6.8    5.9    5.7    6.3    6.0    5.7    6.1
            UGA SR14-1E     7.3    5.3    5.3    6.6    5.7    5.5    6.0

            LSD VALUE       1.3    0.9    1.3    0.7    0.6    0.8    0.5
            C.V. (%)       12.4    9.4   12.4    6.8    5.9    8.2    9.6
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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.

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TABLE 15.                   SPRING GREENUP RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                      2016-20 DATA


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


            NAME            AL1    CA3    FL3    GA1    MS1    OK1    MEAN

            UGA SR15-15     5.0    6.1    5.4    6.2    5.1    5.8    5.6
            UGP 73          4.5    5.8    5.8    5.3    5.3    5.7    5.5
            SALAM           3.8    6.2    5.4    5.5    5.3    5.7    5.5
            UGP 94          4.2    5.8    5.6    5.5    5.1    5.3    5.4
            SEASTAR         4.0    5.8    5.3    5.8    5.3    5.6    5.4
            UGA SR15-14     4.3    5.7    4.7    5.2    4.8    5.3    5.1
            UGA HYB2        3.7    5.6    4.8    5.5    5.0    5.1    5.1
            SEA ISLE 1      3.0    5.8    4.3    4.7    5.3    5.9    5.0
            UGA 1743        3.8    5.6     .     5.2    4.4    5.1    4.9
            UGA SR14-1E     4.5    5.2    4.3    5.8    4.8    5.1    4.9

            LSD VALUE       1.3    0.7    1.3    1.2    1.0    0.9    0.5
            C.V. (%)       22.0    7.2   17.9   13.5   12.1   10.5   12.5
```

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.

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TABLE 16.                    LEAF TEXTURE RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                              2016-20 DATA

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

                    NAME            AL1     CA3     MS1     OK1     MEAN

                    UGA 1743        5.3     6.1     6.7     7.0     6.2
                    UGA SR14-1E     7.3     5.6     6.2     6.0     6.2
                    UGA SR15-14     5.4     5.7     7.0     6.5     6.1
                    UGA SR15-15     4.6     6.2     7.0     6.6     6.1
                    SEA ISLE 1      6.8     6.0     6.2     5.7     6.0
                    SALAM           6.7     6.2     6.0     5.7     6.0
                    UGP 73          4.7     6.3     6.7     6.4     6.0
                    UGP 94          5.8     6.2     6.3     5.7     5.8
                    SEASTAR         4.9     5.9     6.0     6.2     5.7
                    UGA HYB2        4.4     6.0     6.0     5.9     5.6

                    LSD VALUE       1.6     0.7     0.5     0.6     0.5
                    C.V. (%)       17.7     7.6     5.3     6.0     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 17.                    SPRING DENSITY RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                              2016-20 DATA

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

                    NAME            CA3     FL3     MS1     OK1     MEAN

                    UGP 73          6.0     5.3     6.8     7.0     6.0
                    UGP 94          6.0     6.1     5.9     6.0     6.0
                    UGA 1743        5.3      .      6.2     7.0     5.8
                    SALAM           6.3     5.4     5.6     6.3     5.8
                    UGA SR15-15     5.8     5.2     6.2     6.7     5.8
                    SEA ISLE 1      5.8     5.4     6.0     6.0     5.7
                    UGA HYB2        5.8     4.8     5.9     6.3     5.5
                    SEASTAR         5.7     5.2     5.6     6.3     5.5
                    UGA SR15-14     5.6     4.0     5.8     7.0     5.1
                    UGA SR14-1E     4.9     3.8     5.7     6.3     4.8

                    LSD VALUE       1.0     1.6     0.8     0.7     0.8
                    C.V. (%)       10.5    20.3     8.8     6.3    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.
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TABLE 18.                  SUMMER DENSITY RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                           2016-20 DATA

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

                    NAME            CA3     FL3     MS1     OK1     MEAN

                    UGP 73          6.2     7.3     7.0     7.7     7.0
                    UGA SR15-15     6.5     6.4     7.0     6.9     6.6
                    UGP 94          5.9     7.3     6.5     6.1     6.5
                    SALAM           6.3     6.8     6.2     6.4     6.5
                    UGA 1743        5.8     .       6.8     7.3     6.5
                    SEA ISLE 1      6.0     6.8     6.2     6.4     6.4
                    UGA HYB2        6.3     6.5     6.2     6.4     6.4
                    SEASTAR         5.4     7.1     6.2     6.4     6.3
                    UGA SR15-14     5.8     6.0     6.8     6.9     6.3
                    UGA SR14-1E     5.6     5.4     6.2     5.7     5.6

                    LSD VALUE       1.2     1.4     0.7     0.8     0.7
                    C.V. (%)       12.1    13.3     7.1     7.2    11.1
```

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

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

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TABLE 19.                  FALL DENSITY RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                           2016-20 DATA

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

                    NAME            CA3     FL3     MS1     OK1     MEAN

                    UGA SR15-15     6.2     6.9     7.3     7.0     6.7
                    SALAM           6.2     6.4     6.8     6.7     6.4
                    UGP 73          5.4     6.8     7.5     6.5     6.4
                    UGP 94          5.5     7.1     7.3     6.0     6.4
                    SEA ISLE 1      5.4     6.6     7.0     6.3     6.3
                    UGA HYB2        5.4     6.4     6.7     6.2     6.1
                    SEASTAR         5.2     6.5     6.8     6.5     6.1
                    UGA SR15-14     5.2     6.2     6.7     6.5     6.0
                    UGA 1743        5.3     .       7.5     6.0     6.0
                    UGA SR14-1E     5.2     5.8     6.5     5.3     5.7

                    LSD VALUE       1.3     1.5     0.8     0.7     0.8
                    C.V. (%)       16.3    14.0     7.0     6.5    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 20.   PERCENT LIVING GROUND COVER (SPRING) RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
                2016-20 DATA

                PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

                        NAME   OK1

                        UGP 73   90.4
                        SEA ISLE 1   87.8
                        SALAM   86.5
                        SEASTAR   85.3
                        UGA SR15-15   84.0
                        UGP 94   81.2
                        UGA SR15-14   80.3
                        UGA 1743   79.3
                        UGA HYB2   78.6
                        UGA SR14-1E   75.5

                        LSD VALUE   7.7
                        C.V. (%)   8.8

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 LIVING GROUND COVER (SUMMER) RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
                2016-20 DATA

                PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

                        NAME   OK1

                        SALAM   98.7
                        SEA ISLE 1   98.3
                        SEASTAR   98.3
                        UGP 73   98.3
                        UGA SR15-14   98.2
                        UGP 94   98.2
                        UGA HYB2   98.1
                        UGA SR15-15   97.9
                        UGA SR14-1E   96.2
                        UGA 1743   95.8

                        LSD VALUE   3.3
                        C.V. (%)   2.1

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.

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TABLE 22.        PERCENT LIVING GROUND COVER (FALL) RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                      2016-20 DATA

                    PERCENT LIVING GROUND COVER IN FALL: LOCATIONS  2/


                              NAME            OK1

                              UGP 73          96.0
                              SEASTAR         95.9
                              UGA SR15-15     95.6
                              SALAM           95.4
                              SEA ISLE 1      95.3
                              UGP 94          94.9
                              UGA 1743        94.8
                              UGA HYB2        94.5
                              UGA SR15-14     94.0
                              UGA SR14-1E     93.9

                              LSD VALUE        1.9
                              C.V. (%)         1.3
```

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.


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TABLE 23.                  WINTER COLOR RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                      2017-18 DATA

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


                              NAME            FL3

                              SALAM            3.3
                              SEASTAR          3.0
                              UGP 94           3.0
                              UGA HYB2         2.7
                              UGA SR15-15      2.7
                              UGP 73           2.7
                              SEA ISLE 1       2.3
                              UGA SR14-1E      2.3
                              UGA SR15-14      2.3

                              LSD VALUE        1.1
                              C.V. (%)        25.7
```

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

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

TABLE 24.   DOLLAR SPOT RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
                                          2016-20 DATA

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

                          2019   2018   2017
            NAME   AL1   FL3   MS1   MEAN

            UGA HYB2   5.0   7.7   6.7   6.4
            UGA SR14-1E   4.7   8.3   5.7   6.2
            UGA SR15-15   7.7   6.7   4.3   6.2
            SEASTAR   5.3   8.3   4.7   6.1
            UGA SR15-14   5.0   8.3   4.7   6.0
            UGP 73   6.0   5.0   6.3   5.8
            SEA ISLE 1   2.7   7.0   7.3   5.7
            UGP 94   3.7   5.0   6.3   5.0
            UGA 1743   4.0   .   5.3   4.7
            SALAM   2.0   4.3   7.0   4.4

            LSD VALUE   4.2   2.5   1.8   2.8
            C.V. (%)   55.4   22.7   19.5   32.5

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 25.   FALL COLOR (SEPTEMBER) RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
                                          2016-20 DATA

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

              NAME   AL1   FL3   GA1   OK1   MEAN

              UGA SR15-14   6.5   6.8   6.9   7.0   6.8
              UGP 73   6.3   7.3   6.3   6.7   6.7
              UGP 94   6.5   6.8   6.1   6.7   6.5
              UGA 1743   6.5   .   6.3   6.7   6.5
              SALAM   6.4   6.5   6.3   7.0   6.5
              UGA SR15-15   5.5   6.8   6.2   7.0   6.4
              SEA ISLE 1   6.7   6.0   6.4   7.0   6.4
              UGA HYB2   5.9   6.7   6.2   6.7   6.3
              SEASTAR   6.0   6.4   6.2   7.0   6.3
              UGA SR14-1E   6.0   5.3   6.7   6.3   6.0

              LSD VALUE   1.8   1.1   0.8   0.7   0.8
              C.V. (%)   16.9   10.4   7.3   6.0   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.

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TABLE 26.                FALL COLOR (OCTOBER) RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                           2016-20 DATA

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

                         NAME          AL1     FL3     GA1     OK1     MEAN

                         UGA SR15-14   6.7     6.8     6.7     7.2     6.8
                         UGA SR15-15   6.5     7.2     6.0     7.2     6.8
                         UGP 73        6.2     7.0     6.2     6.5     6.6
                         UGA 1743      6.6      .      6.3     6.7     6.5
                         UGA HYB2      6.2     6.6     6.6     5.5     6.3
                         UGP 94        5.3     6.5     6.0     6.3     6.2
                         SALAM         5.9     6.3     6.2     6.2     6.1
                         SEA ISLE 1    5.8     6.1     6.3     6.0     6.1
                         SEASTAR       5.9     5.9     6.2     5.7     5.9
                         UGA SR14-1E   5.3     5.2     6.7     6.0     5.8

                         LSD VALUE     1.4     1.2     0.7     0.7     0.8
                         C.V. (%)     14.4    11.4     7.2     6.6    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.

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TABLE 27.                FALL COLOR (NOVEMBER) RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                           2016-20 DATA

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

                         NAME          FL3     MS1     OK1     MEAN

                         SALAM         6.3     5.8     5.3     5.7
                         SEASTAR       6.3     5.9     5.3     5.7
                         UGA SR15-14   6.3     5.3     6.3     5.6
                         UGA SR15-15   7.0     5.2     6.0     5.5
                         UGP 94        6.0     5.4     4.7     5.3
                         SEA ISLE 1    5.7     5.1     5.7     5.2
                         UGP 73        7.0     4.8     5.0     5.0
                         UGA HYB2      6.0     5.0     4.7     5.0
                         UGA 1743       .      4.6     5.7     4.8
                         UGA SR14-1E   4.0     4.6     5.0     4.5

                         LSD VALUE     1.6     0.8     1.8     1.1
                         C.V. (%)     16.8    11.0    20.7    14.7
```

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 28.   FALL COLOR (DECEMBER) RATINGS OF SEASHORE PASPALUM CULTIVARS 1/
                                    2016-20 DATA

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

                                NAME   CA3

                                SALAM   6.5
                                UGA SR15-15   5.9
                                UGP 73   5.9
                                SEA ISLE 1   5.8
                                UGA 1743   5.8
                                UGA SR14-1E   5.8
                                UGA HYB2   5.8
                                SEASTAR   5.7
                                UGA SR15-14   5.7
                                UGP 94   5.0

                                LSD VALUE   0.8
                                C.V. (%)   8.1

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 29.   DOLLAR SPOT RATINGS OF SEASHORE PASPALUM CULTIVARS
                                      AT AUBURN, AL 1/
                                        2019 DATA

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

                NAME   JULY   SEPTEMBER   OCTOBER   MEAN

                UGA SR15-15   7.7   9.0   9.0   8.6
                UGP 73   6.0   9.0   9.0   8.0
                SEASTAR   5.3   8.3   9.0   7.6
                UGP 94   3.7   9.0   7.7   6.8
                UGA SR15-14   5.0   9.0   7.0   6.6
                UGA HYB2   5.0   9.0   5.5   6.2
                UGA SR14-1E   4.7   6.3   7.7   6.2
                UGA 1743   4.0   7.3   7.0   6.1
                SALAM   2.0   7.0   5.5   4.8
                SEA ISLE 1   2.7   4.7   5.7   4.3

                LSD VALUE   6.7   5.3   8.3   4.5
                C.V. (%)   55.4   26.6   38.2   28.3

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.

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TABLE 30.                        DOLLAR SPOT RATINGS OF SEASHORE PASPALUM CULTIVARS
                                            AT JAY, FL  1/
                                              2018 DATA


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

                        NAME            MARCH       APRIL       MEAN

                        UGA SR15-14      8.3         6.3         7.3
                        SEASTAR          8.3         4.3         6.3
                        UGA SR14-1E      8.3         4.3         6.3
                        UGA HYB2         7.7         4.3         6.0
                        UGA SR15-15      6.7         4.3         5.5
                        SALAM            4.3         3.7         4.0
                        SEA ISLE 1       7.0         1.0         4.0
                        UGP 73           5.0         1.7         3.3
                        UGP 94           5.0         1.7         3.3
                        UGA 1743          .           .           .

                        LSD VALUE        3.2         4.9         3.5
                        C.V. (%)        23.9        62.7        32.3
```

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.


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TABLE 31.              PERCENT ESTABLISHMENT RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                        AT AUBURN, AL  2/
                                          2016-17 DATA

         NAME          JULY 20     JULY 28     AUGUST    SEPTEMBER    MARCH      APRIL       MEAN
                        2016        2016        2016        2016       2017       2017

         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.

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TABLE 32.          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
```

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

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

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TABLE 33.          PERCENT ESTABLISHMENT RATINGS OF SEASHORE PASPALUM CULTIVARS  1/
                                   AT MISSISSIPPI STATE, MS  2/
                                         2016-17 DATA

         NAME           AUGUST     SEPTEMBER    OCTOBER    NOVEMBER    APRIL     JUNE       MEAN
                         2016        2016        2016       2016       2017      2017

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

NAME	JULY 22 2 WEEKS	AUG 5 4 WEEKS	AUG 18	SEPT 1	SEPT 14	SEPT 29	OCT 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

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN.
    STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER 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 35.   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 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 SEASHORE PASPALUM CULTIVARS */
                                         2017-20 DATA

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

                                     QUALITY   MAXIMUM
                      NAME   MEAN 1/ IN TOP 25% 2/

                      SALAM   6.1   33.3
                      SEA ISLE 1   5.9   16.7
                      SEASTAR   5.8   0.0
                      UGA 1743   5.8   0.0
                      UGA HYB2   5.7   0.0
                      UGA SR14-1E   5.4   0.0
                      UGA SR15-14   5.6   16.7
                      UGA SR15-15   5.8   16.7
                      UGP 73   6.1   50.0
                      UGP 94   6.1   66.7

                      LSD VALUE   0.3
                      C.V. (%)   6.7

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