

NATIONAL TURFGRASS EVALUATION PROGRAM

The National Turfgrass Evaluation Program (NTEP) is designed to develop and coordinate uniform evaluation trials of turfgrass varieties and promising selections in the United States and Canada. Test results can be used by national companies and plant breeders to determine the broad picture of the adaptation of a cultivar. Results can also be used to determine if a cultivar is well adapted to a local area or level of turf maintenance.

Briefly, the NTEP is a self-supporting, non-profit program, sponsored by the Beltsville Agricultural Research Center and the National Turfgrass Federation, Inc. Program policy is made by a policy committee consisting of one member from each of the four (4) Regional Turfgrass Research Committees in the United States, one member from the Lawn Seed Division of the American Seed Trade Association, one member from the United States Golf Association (USGA) Green Section, one member from the Golf Course Superintendents Assoc. of America (GCSAA), one member for the Turfgrass Producers International (TPI), one member from the Turfgrass Breeders Association and an executive director. The program does not make variety recommendations. However, the data from tests can be used by extension specialists and others for making recommendations.

The policy committee is responsible for determining program policy including, (1) requirements for submission of entries, (2) scheduling tests, (3) evaluation methods, (4) selecting standard or control test entries, (5) setting entry fees, (6) coordinating tests in their respective regions, (7) establishing guidelines for publication and data distribution and (8) scheduling committee meetings.

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Mr. Ryan Jeffries, Columbia Seeds, Inc.
Dr. Mike Kenna, USGA Green Section
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A Guide to NTEP Turfgrass Ratings

Introduction

The quality and scientific merit of NTEP data is extremely important. However, the evaluation of turfgrass species and cultivars is a difficult and complex issue. Furthermore, turfgrass evaluation is generally a subjective process based on visual estimates of factors, like genetic color, stand density, leaf texture, uniformity and quality. These factors can not be measured in the same way as other agricultural crops. Turfgrass quality is not a measure of yield or nutritive value. Turfgrass quality is a measure of aesthetics (i.e. density, uniformity, texture, smoothness, growth habit and color), and functional use. The most common way of assessing turfgrass quality is a visual rating system that is based on the turfgrass evaluator's judgement.

General Considerations

Most visual ratings collected on NTEP trials are based on a 1 to 9 rating scale. One is the poorest or lowest and 9 is the best or highest rating. However, a few characteristics, such as winter kill or percent living ground cover, are rated on a percentage basis, again by using the evaluator's judgement. Most disease ratings found in NTEP reports will use the 1-9 scale, 9=no disease except where the evaluator made a judgement of the percentage of disease in each plot. Percent disease data will be found in separate tables and will normally not be included with disease data using the 1-9 scale.

Turfgrass Quality

Turfgrass Quality is based on 9 being outstanding or ideal turf and 1 being poorest or dead. A rating of 6 or above is generally considered acceptable. A quality rating value of 9 is reserved for a perfect or ideal grass, but it also can reflect an absolutely outstanding treatment plot. The NTEP requires quality ratings on a monthly basis. Quality ratings take into account the aesthetic and functional aspects of the turf. Quality ratings are not based on color alone, but on a combination of color, density, uniformity, texture, and disease or environmental stress.

Turfgrass quality ratings are grouped and presented by region, management level, a particular stress (shade, traffic, etc.) and in some cases, by individual location (starting with 2001 data, data from each location will be posted separately as well on the NTEP web site, <http://www.ntep.org>). Also available now is a summary table (Appendix) in the back of this report. This summary table includes various statistical measures not previously compiled for NTEP reports. For an explanation of this table and these changes, please go to the NTEP web site at <http://www.ntep.org/pdf/grandmean.mem.pdf>.

Other Ratings

More detailed information on the ratings of specific characteristics can be found on the NTEP web site at <http://www.ntep.org/reports/ratings.htm>.

2016 NATIONAL ST. AUGUSTINEGRASS TEST

LOCATIONS SUBMITTING DATA FOR 2017

<u>State</u>	<u>Location</u>	<u>Code</u>
Alabama	Auburn	AL1
Florida	Jay	FL3
Florida	Citra (Chinch Bug)	FL4
Georgia	Griffin	GA1
Mississippi	Mississippi State	MS1
North Carolina	Raleigh	NC1
Texas	Dallas	TX1
Texas	College Station (Drought)	TX2

2016 NATIONAL ST. AUGUSTINEGRASS TEST Entries and Sponsors

Entry No	Name	Sponsor
*1	Floritam	Standard
*2	Raleigh	Standard
*3	Palmetto	Standard
4	XSA10403	North Carolina University
5	XSA11168	North Carolina University
6	FSA 1601	University of Florida
7	FSA 1602	University of Florida
8	FSA 1603	University of Florida
9	FSA 1604	University of Florida
10	FSA 1605	University of Florida
11	FSA 1606	University of Florida
12	FSA 1607	University of Florida
13	FSA 1608	University of Florida
14	FSA 1609	University of Florida
15	FSA 1610	University of Florida
16	FSA 1611	University of Florida
17	FSA 1612	University of Florida
18	FSA 1613	University of Florida
19	FSA 1614	University of Florida
20	UGA/TX SA26	The University of Georgia
21	DALSA 1623	Texas A&M AgriLife Research-Dallas
22	DALSA 1316	Texas A&M AgriLife Research-Dallas
23	DALSA 1323	Texas A&M AgriLife Research-Dallas
24	DALSA 1404	Texas A&M AgriLife Research-Dallas
25	DALSA 1501	Texas A&M AgriLife Research-Dallas
26	DALSA 1502	Texas A&M AgriLife Research-Dallas
27	DALSA 1618	Texas A&M AgriLife Research-Dallas
* Commercially Available in the USA in 2018		

TABLE A. 2017 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN THE 2016 NATIONAL ST. AUGUSTINEGRASS 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	-	-	-	-	-	-	-	-
FL3	SAND	5.6-6.0	151-270	0-150	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
FL4	-	-	-	-	-	FULL SUN	2.6-3.0	NO IRRIGATION
GA1	SANDY CLAY LOAM	-	-	-	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
MS1	SANDY LOAM	6.6-7.0	151-270	241-375	3.1-4.0	FULL SUN	3.1-3.5	TO PREVENT STRESS
NC1	SILTY CLAY LOAM	6.1-6.5	61-150	0-150	1.1-2.0	FULL SUN	3.1-3.5	TO PREVENT DORMANCY
TX1	SILTY CLAY LOAM	7.6-8.5	151-270	241-375	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
TX2	-	7.6-8.5	0-60	0-150	0.0-1.0	FULL SUN	2.6-3.0	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
FL3				X	X	X	X	X	X	X	X		X	X	
FL4		X	X	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
NC1				X	X	X	X	X	X	X					
TX1				X	X	X	X	X	X		X		X	X	X
TX2				X	X	X	X		X	X			X	X	X

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	DROUGHT TOLERANCE WILTING	DROUGHT TOLERANCE RECOVERY	BROWN PATCH WARM TEMP.	GRAY LEAF SPOT	SOUTHERN CHINCH BUG DAMAMGE
AL1												
FL3	X	X	X				X					
FL4				X	X	X				X	X	X
GA1												
MS1				X							X	
NC1											X	
TX1		X		X							X	
TX2							X	X	X			

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2017

LOCATION	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	SEEDHEAD RATINGS	GRAY LEAF SPOT SEP OCT	PERCENT MAY	ESTABLISHMENT JUN	RATINGS JUL	RATINGS AUG	RATINGS SEP	RATINGS OCT	RATINGS NOV	PERCENT APR	GROUND MAY	COVER JUN	COVER JUL	COVER AUG
AL1	X								X	X	X	X						
FL3	X	X	X															
* FL4	X	X	X	X														
GA1	X	X																
MS1					X					X	X	X	X					
NC1			X			X					X	X		X	X	X	X	X
TX1			X	X	X	X		X	X									
TX2										X		X	X					

* MORE DATA FOR FL4 IN TABLE 3.

TABLE 1.

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

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

NAME	ENTRY #	NC1	GA1	MS1	MEAN
FSA 1601	6	6.2	6.7	6.8	6.5
FSA 1608	13	5.7	6.4	6.6	6.3
XSA10403	4	6.6	6.0	6.2	6.2
FSA 1604	9	5.7	6.3	6.6	6.2
* RALEIGH	2	5.7	6.3	6.4	6.1
FSA 1605	10	5.5	6.2	6.5	6.1
UGA/TX SA26	20	5.7	6.1	6.4	6.1
XSA11168	5	6.1	5.9	6.1	6.0
* PALMETTO	3	5.7	6.0	6.3	6.0
FSA 1606	11	5.6	5.9	6.3	5.9
FSA 1610	15	5.1	6.2	6.5	5.9
DALSA 1502	26	5.0	6.0	6.5	5.8
FSA 1613	18	5.2	5.9	6.2	5.8
FSA 1609	14	5.0	6.0	6.3	5.8
FSA 1611	16	5.5	5.7	5.8	5.7
DALSA 1618	27	4.6	5.9	6.4	5.6
DALSA 1623	21	5.1	5.6	6.1	5.6
DALSA 1501	25	4.8	5.7	6.2	5.6
DALSA 1404	24	4.9	5.6	6.2	5.6
DALSA 1316	22	4.8	5.7	6.1	5.5
FSA 1614	19	4.8	5.8	6.0	5.5
DALSA 1323	23	4.4	5.9	6.1	5.5
FSA 1612	17	5.1	5.3	5.5	5.3
* FLORATAM	1	4.5	5.4	5.8	5.2
FSA 1607	12	3.4	5.7	6.1	5.1
FSA 1602	7	3.5	5.5	5.8	5.0
FSA 1603	8	2.8	5.7	6.0	4.8
LSD VALUE		0.9	0.9	0.9	0.9
C.V. (%)		10.7	9.1	8.7	9.4

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

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/				
NAME	FL3	AL1	TX1	MEAN
DALSA 1502	7.1	7.8	6.8	7.2
DALSA 1618	6.7	7.3	6.8	6.9
DALSA 1501	7.0	7.5	6.2	6.9
DALSA 1404	6.0	7.7	6.9	6.9
DALSA 1623	5.7	7.6	6.9	6.7
DALSA 1316	6.5	6.8	6.1	6.5
FSA 1607	6.4	6.0	6.9	6.4
FSA 1606	5.7	6.9	6.5	6.4
FSA 1604	6.0	6.5	6.6	6.4
FSA 1605	6.5	6.3	6.1	6.3
FSA 1610	6.7	5.9	6.1	6.2
FSA 1609	6.3	6.1	6.2	6.2
FSA 1603	7.0	5.2	6.3	6.2
UGA/TX SA26	6.4	6.3	5.9	6.2
FSA 1608	6.5	6.0	6.0	6.2
FSA 1602	6.5	5.5	6.0	6.0
DALSA 1323	6.1	5.5	6.2	6.0
FSA 1613	5.9	5.9	6.0	5.9
FSA 1614	6.6	5.7	5.3	5.9
PALMETTO	5.9	5.8	5.8	5.8
XSA10403	5.8	6.3	5.2	5.8
FLORATAM	5.9	5.8	5.6	5.7
FSA 1601	5.8	5.1	6.2	5.7
RALEIGH	5.9	5.0	5.7	5.5
XSA11168	6.7	5.4	4.3	5.5
FSA 1611	6.6	5.1	4.2	5.3
FSA 1612	5.5	5.0	4.4	5.0
LSD VALUE	0.9	0.9	0.9	0.9
C.V. (%)	8.6	8.8	9.0	8.8

*/ 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. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
FOR CHINCH BUG STUDY AT CITRA, FL 1/
2017 DATA

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

NAME	SPRING GREENUP	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	FEB	MAR	APR	MAY	JUN	QUALITY RATINGS						MEAN
										JUL	AUG	SEP	OCT	NOV	DEC	
XSA10403	7.0	83.3	95.0	99.0	5.7	6.3	6.7	8.0	9.0	8.7	9.0	9.0	9.0	7.3	6.7	7.8
XSA11168	6.0	73.3	95.0	99.0	5.3	6.7	7.0	8.7	8.7	8.7	9.0	9.0	9.0	7.0	6.7	7.8
DALSA 1316	7.3	71.7	93.3	99.0	5.0	6.3	6.7	7.7	8.7	9.0	8.3	9.0	9.0	8.0	7.0	7.7
DALSA 1618	7.0	76.7	86.7	99.0	4.7	6.3	6.3	7.7	8.3	8.7	8.7	9.0	9.0	8.0	7.7	7.7
RALEIGH	6.3	75.0	93.3	99.0	4.7	5.7	6.7	7.7	9.0	8.7	8.3	9.0	9.0	7.3	6.0	7.5
DALSA 1501	5.7	57.5	85.0	99.0	4.0	5.3	6.0	7.0	8.3	9.0	9.0	9.0	8.7	7.3	7.7	7.4
DALSA 1502	6.7	68.3	86.7	97.7	4.3	5.7	5.3	7.3	8.0	8.7	8.3	8.7	9.0	8.0	8.0	7.4
PALMETTO	6.7	66.7	88.3	99.0	4.7	5.3	5.7	7.3	8.3	8.7	9.0	9.0	9.0	7.3	6.7	7.4
DALSA 1623	7.3	60.0	81.7	97.7	4.3	5.3	6.0	7.0	7.7	8.7	8.7	9.0	8.3	7.3	7.7	7.3
FSA 1602	7.0	58.3	86.7	94.7	3.7	5.7	5.7	6.7	8.7	8.7	8.3	8.7	8.7	8.3	7.7	7.3
DALSA 1404	7.0	70.0	86.7	97.7	5.0	6.7	6.3	8.3	8.3	8.3	7.7	7.3	8.0	7.0	6.3	7.2
FSA 1606	7.7	66.7	83.3	99.0	4.0	5.7	6.0	7.0	8.0	8.3	8.3	8.7	8.7	7.7	6.7	7.2
FSA 1610	5.7	68.3	90.0	97.7	4.7	5.7	6.0	8.0	8.0	8.3	8.0	8.7	8.0	7.0	6.7	7.2
FSA 1612	5.0	66.7	88.3	99.0	4.3	6.0	6.7	7.3	8.0	9.0	9.0	8.7	8.7	6.0	5.0	7.2
FSA 1614	6.7	60.0	82.7	97.7	4.3	5.3	5.7	6.3	7.7	8.7	8.7	9.0	8.7	7.3	7.0	7.2
UGA/TX SA26	6.7	58.3	76.7	99.0	4.3	5.7	5.3	6.7	7.7	8.0	9.0	9.0	9.0	7.0	7.0	7.2
DALSA 1323	7.3	51.7	80.0	96.3	4.3	5.7	7.0	7.0	8.0	8.3	8.3	8.3	8.7	6.3	6.3	7.1
FSA 1611	5.0	70.0	85.0	99.0	4.7	6.0	6.7	7.0	7.7	8.3	8.7	8.3	8.3	6.0	5.0	7.0
FSA 1605	6.7	66.7	78.3	96.3	4.0	5.3	6.0	6.7	7.3	8.0	8.3	8.3	9.0	7.0	6.3	6.9
FSA 1613	6.7	63.3	83.3	99.0	4.0	5.0	5.7	6.7	7.3	8.3	8.7	8.7	9.0	7.0	6.0	6.9
FSA 1601	6.7	61.7	80.0	95.0	4.0	5.3	5.7	6.3	7.3	8.0	8.0	8.0	7.7	7.3	6.7	6.8
FSA 1604	5.7	61.7	80.0	97.7	4.0	6.0	6.0	6.7	7.7	8.0	8.0	8.3	8.7	6.3	5.0	6.8
FSA 1608	6.3	56.7	81.7	99.0	3.7	4.7	5.3	6.0	7.7	8.7	8.3	8.7	8.7	7.0	6.7	6.8
FSA 1609	5.7	50.0	81.7	96.3	3.7	5.3	5.7	6.0	7.3	8.3	8.0	8.7	8.0	6.7	6.3	6.7
FLORATAM	6.7	48.3	78.3	99.0	3.3	5.0	5.3	6.3	7.3	7.7	8.0	7.7	8.0	6.0	5.0	6.3
FSA 1607	8.0	43.3	71.7	94.7	3.3	4.3	4.7	5.3	6.7	7.3	8.0	8.0	8.0	7.3	6.7	6.3
FSA 1603	6.0	46.7	71.7	93.0	3.0	4.3	4.3	5.7	6.3	7.3	7.7	8.0	7.7	5.3	4.7	5.8
LSD VALUE	0.9	17.0	12.1	4.3	0.9	1.2	1.1	1.0	1.1	1.6	0.7	0.9	1.2	0.9	1.0	0.5
C.V. (%)	8.9	14.9	7.7	2.1	12.0	11.3	10.7	9.1	8.0	7.6	4.9	5.4	6.4	8.1	9.7	4.1

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

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

TABLE 3. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
(CONT'D) FOR CHINCH BUG STUDY AT CITRA, FL 1/
2017 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/									
NAME	BROWN PATCH WARM TEMP.	GRAY LEAF SPOT	SOUTHERN CHINCH BUG	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	TRAFFIC TOLERANCE	CATERPILLAR DAMAGE
XSA10403	7.0	9.0	2.3	8.3	8.3	6.7	6.3	8.3	9.0
XSA11168	6.3	9.0	2.0	8.3	9.0	6.7	6.3	9.0	9.0
DALSA 1316	8.3	6.7	7.3	8.3	8.3	7.3	7.0	8.7	9.0
DALSA 1618	9.0	9.0	7.0	9.0	9.0	8.0	8.0	7.7	6.7
RALEIGH	8.3	9.0	.	8.3	8.0	6.0	6.0	7.7	5.7
DALSA 1501	8.3	4.3	4.0	9.0	8.7	7.3	7.3	8.3	7.3
DALSA 1502	9.0	6.7	5.0	8.7	8.7	8.0	7.3	7.7	6.7
PALMETTO	7.0	9.0	1.7	8.3	8.3	6.3	6.0	8.0	7.3
DALSA 1623	7.7	9.0	4.7	9.0	8.0	7.3	7.7	7.3	7.3
FSA 1602	7.7	9.0	1.0	8.3	8.7	8.3	7.7	7.0	7.3
DALSA 1404	9.0	2.0	6.7	7.0	7.0	6.7	6.3	7.7	9.0
FSA 1606	7.7	9.0	6.0	9.0	8.3	7.7	7.3	6.0	6.7
FSA 1610	7.0	9.0	7.0	7.7	8.0	7.3	6.3	7.0	4.0
FSA 1612	9.0	9.0	4.7	8.0	8.3	6.0	5.0	8.0	9.0
FSA 1614	9.0	9.0	4.3	8.3	8.3	7.3	6.7	7.3	7.3
UGA/TX SA26	7.0	9.0	5.0	8.0	9.0	6.7	6.3	7.0	7.3
DALSA 1323	9.0	9.0	4.3	7.7	8.0	6.7	6.3	8.7	9.0
FSA 1611	7.7	9.0	4.0	8.0	8.0	5.3	5.0	7.3	9.0
FSA 1605	8.3	9.0	5.7	8.7	8.7	7.0	6.3	6.7	6.7
FSA 1613	8.3	4.3	1.3	8.0	8.3	6.7	6.7	7.7	6.7
FSA 1601	7.7	9.0	5.3	8.0	7.7	7.3	7.0	7.7	8.3
FSA 1604	6.3	9.0	7.7	7.7	8.0	6.3	5.0	6.3	7.3
FSA 1608	8.3	9.0	2.7	7.7	8.3	6.3	6.3	7.7	5.7
FSA 1609	6.3	9.0	2.0	8.0	8.0	6.7	6.3	7.0	5.7
FLORATAM	8.3	2.0	2.0	7.3	7.7	6.0	5.3	7.7	9.0
FSA 1607	8.3	9.0	3.3	8.0	8.0	7.3	6.7	7.0	7.3
FSA 1603	8.3	9.0	3.3	7.7	7.7	6.3	5.0	6.0	9.0
LSD VALUE	2.3	2.5	4.0	0.9	0.7	0.9	1.1	1.1	5.4
C.V. (%)	13.4	19.6	49.3	6.1	5.1	7.9	10.5	8.9	26.8

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 4. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
GROWN UNDER DROUGHT/DRY DOWN STRESS AT COLLEGE STATION, TX 1/
2017 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	WINTER COLOR	DROUGHT TOLERANCE WILTING	DROUGHT TOLERANCE RECOVERY	PERCENT AUGUST	ESTABLISHMENT OCTOBER	RATINGS NOVEMBER	APR	MAY	QUALITY RATINGS				MEAN
												JUN	JUL	SEP	OCT	
FSA 1601	7.7	5.7	7.7	6.3	5.0	6.0	21.7	55.0	81.7	7.3	7.3	7.7	6.7	7.7	7.3	7.3
FSA 1604	6.3	4.7	5.7	5.0	4.7	6.0	25.0	55.0	93.0	7.0	7.0	6.3	7.0	7.0	6.3	6.8
FSA 1607	7.3	5.3	6.0	5.3	4.7	6.0	20.0	45.0	75.0	7.0	6.3	6.7	7.3	6.7	7.0	6.8
FSA 1610	6.7	4.3	6.7	5.0	5.0	6.0	18.3	53.3	91.7	6.7	6.3	6.7	7.0	7.3	6.7	6.8
DALSA 1501	6.0	6.3	6.0	6.7	6.7	7.0	25.0	68.3	88.0	6.7	7.0	6.0	7.0	6.7	6.7	6.7
FSA 1603	6.0	5.7	7.0	6.3	4.7	6.0	21.7	41.7	70.0	6.7	7.0	6.7	6.3	6.7	6.3	6.6
FSA 1613	7.0	6.0	5.0	6.0	6.0	7.0	18.3	51.7	89.7	6.7	6.3	6.0	7.0	7.0	6.3	6.6
UGA/TX SA26	6.3	6.0	5.3	6.0	5.7	6.0	23.3	73.3	94.7	6.7	7.3	6.3	6.3	6.7	6.0	6.6
DALSA 1618	6.7	5.7	5.3	6.0	6.0	7.3	20.0	58.3	93.3	6.7	6.3	6.7	6.3	6.7	6.3	6.5
FLORATAM	6.0	5.7	5.0	6.3	6.0	7.7	18.3	66.7	94.7	6.3	6.0	6.0	6.7	7.3	6.7	6.5
FSA 1605	7.3	4.7	6.7	5.3	5.3	6.3	23.3	43.3	78.3	6.7	7.0	5.7	6.0	6.3	6.7	6.4
FSA 1606	6.3	5.0	6.0	5.7	6.0	6.7	28.3	71.7	96.3	6.3	6.3	5.3	7.0	7.0	6.3	6.4
DALSA 1404	6.3	5.7	5.0	5.7	6.0	7.3	26.7	65.0	89.7	7.0	6.0	6.0	6.3	6.3	6.3	6.3
DALSA 1502	6.0	6.3	5.0	6.7	6.3	7.0	21.7	51.7	76.7	7.0	6.0	6.0	6.3	6.7	6.0	6.3
FSA 1609	6.3	4.0	7.3	5.0	4.7	5.7	25.0	63.3	84.7	6.7	6.3	6.3	6.0	6.3	6.0	6.3
FSA 1614	6.3	4.7	5.0	5.7	5.3	6.3	33.3	81.7	94.7	6.3	6.3	5.7	6.7	7.0	6.0	6.3
RALEIGH	6.3	6.7	6.0	7.0	4.7	6.0	21.7	50.0	93.3	6.3	6.3	6.0	6.0	7.0	6.0	6.3
DALSA 1623	6.7	5.7	5.0	5.3	6.3	6.7	23.3	78.3	94.3	6.3	6.0	6.0	6.7	6.3	5.7	6.2
FSA 1608	5.7	5.7	6.3	6.3	5.3	6.0	20.0	55.0	88.0	6.3	6.3	6.0	6.3	6.7	5.7	6.2
PALMETTO	6.0	7.0	5.7	7.0	5.3	6.3	18.3	66.7	93.0	6.3	6.3	6.0	6.3	6.0	6.0	6.2
FSA 1602	6.3	6.0	5.0	6.7	6.3	7.0	23.3	53.3	75.0	6.0	6.0	6.0	6.0	6.3	6.3	6.1
FSA 1612	6.0	4.3	5.7	4.7	5.0	6.0	35.0	73.3	97.7	6.0	5.7	5.3	6.3	6.3	6.0	5.9
DALSA 1316	5.3	5.0	5.0	5.0	6.0	5.7	30.0	65.0	96.3	6.3	5.7	5.0	6.3	6.0	5.3	5.8
DALSA 1323	6.0	5.0	6.0	4.7	5.3	6.7	23.3	48.3	83.0	6.0	6.3	5.0	6.0	6.3	5.3	5.8
FSA 1611	5.7	4.3	5.7	5.7	4.7	6.3	25.0	56.7	96.3	5.7	5.0	5.3	6.0	6.3	6.7	5.8
XSA11168	6.0	5.7	5.7	4.7	4.7	6.0	25.0	79.7	99.0	5.3	5.3	5.7	5.7	6.7	5.7	5.7
XSA10403	5.7	5.3	6.0	5.0	4.7	5.0	35.0	85.0	99.0	5.3	5.3	5.7	5.7	5.3	5.0	5.4
LSD VALUE	1.3	1.1	0.7	1.1	1.2	2.1	9.8	23.3	13.3	2.1	1.6	1.2	1.6	2.7	1.3	0.9
C.V. (%)	10.0	11.7	8.1	11.4	11.8	13.4	21.4	20.5	8.5	11.7	11.5	10.3	9.7	12.6	10.1	7.0

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 5. GENETIC COLOR RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2017 DATA

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

NAME	AL1	FL3	GA1	MS1	TX1	MEAN
FSA 1602	9.0	8.7	6.7	8.0	7.0	7.9
FSA 1603	8.3	8.3	6.7	7.0	6.7	7.4
FSA 1601	8.0	6.0	7.0	7.0	8.0	7.2
FSA 1605	6.7	7.0	7.0	7.0	6.7	6.9
FSA 1610	6.7	7.0	7.0	6.7	7.0	6.9
DALSA 1618	7.3	6.0	6.7	6.0	6.3	6.5
FSA 1606	6.0	8.3	6.7	6.0	5.3	6.5
FSA 1609	6.0	7.0	6.7	6.7	6.0	6.5
FSA 1604	5.3	7.7	6.3	6.0	6.7	6.4
FSA 1607	6.0	7.0	6.7	6.0	6.0	6.3
DALSA 1501	6.3	6.0	6.0	6.0	6.7	6.2
DALSA 1502	5.7	6.7	5.7	6.0	5.7	5.9
FSA 1614	6.7	6.0	6.0	6.0	5.0	5.9
RALEIGH	5.7	7.0	6.3	6.0	4.7	5.9
DALSA 1623	4.7	6.0	6.3	5.3	7.3	5.9
FSA 1608	5.3	7.0	6.0	6.0	5.3	5.9
UGA/TX SA26	5.3	7.0	6.3	6.0	4.7	5.9
PALMETTO	5.0	6.7	6.7	6.0	4.7	5.8
DALSA 1404	5.0	6.3	6.0	5.7	6.0	5.8
FLORATAM	6.3	6.3	6.3	6.0	4.0	5.8
FSA 1613	6.0	5.7	6.7	6.0	4.3	5.7
DALSA 1323	4.0	5.7	6.3	5.7	6.3	5.6
FSA 1611	4.0	7.3	6.0	5.0	4.0	5.3
XSA10403	3.3	6.7	6.0	5.3	4.7	5.2
DALSA 1316	2.7	6.3	6.3	5.0	4.7	5.0
FSA 1612	4.7	5.3	6.0	5.0	3.7	4.9
XSA11168	4.7	5.7	6.0	4.0	4.0	4.9
LSD VALUE	1.5	1.2	0.7	0.4	0.9	0.5
C.V. (%)	16.7	11.1	7.0	4.6	9.9	10.5

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 6. SPRING GREENUP RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2017 DATA

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

NAME	FL3	GA1	MS1	TX1	MEAN
FSA 1610	8.7	4.7	4.7	3.0	5.3
UGA/TX SA26	8.3	4.0	5.3	3.3	5.3
FSA 1604	7.7	4.7	5.0	3.0	5.1
DALSA 1502	8.3	5.0	4.3	2.3	5.0
DALSA 1618	7.3	4.7	4.7	3.0	4.9
FSA 1603	9.0	4.7	4.0	2.0	4.9
FSA 1613	7.0	4.3	5.7	2.3	4.8
FSA 1608	6.3	4.0	6.0	2.7	4.8
FSA 1605	8.0	4.3	4.7	1.7	4.7
FSA 1609	6.7	4.7	5.0	2.3	4.7
DALSA 1323	6.3	4.0	5.0	3.3	4.7
DALSA 1501	7.0	4.7	4.3	2.3	4.6
FSA 1601	6.3	4.7	5.3	2.0	4.6
DALSA 1316	7.7	4.0	4.0	2.3	4.5
DALSA 1623	5.0	4.7	5.0	3.3	4.5
RALEIGH	7.0	3.3	5.3	2.3	4.5
FSA 1606	6.7	4.3	4.7	2.0	4.4
DALSA 1404	7.7	3.3	4.3	2.3	4.4
FSA 1614	7.3	4.0	4.0	2.3	4.4
PALMETTO	5.7	3.3	6.3	2.3	4.4
FLORATAM	7.7	4.0	3.3	2.0	4.3
FSA 1607	6.7	4.0	4.3	2.0	4.3
XSA10403	6.3	4.0	4.0	2.7	4.3
FSA 1611	7.0	5.0	3.3	1.3	4.2
FSA 1602	7.7	3.0	3.3	2.0	4.0
XSA11168	6.7	4.0	3.0	2.0	3.9
FSA 1612	6.3	5.0	2.7	1.0	3.8
LSD VALUE	1.3	1.5	0.9	0.8	0.6
C.V. (%)	11.7	21.6	11.8	20.1	15.7

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 7. LEAF TEXTURE RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2017 DATA

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

NAME	AL1	MS1	TX1	MEAN
XSA10403	7.3	7.0	4.3	6.2
FSA 1605	6.7	6.7	4.7	6.0
XSA11168	6.3	7.0	4.7	6.0
FSA 1601	7.3	6.3	4.0	5.9
FSA 1610	6.7	6.7	4.0	5.8
FSA 1609	6.0	7.0	4.3	5.8
FSA 1603	6.0	6.7	4.0	5.6
PALMETTO	5.7	6.3	3.7	5.2
FSA 1604	4.0	6.7	4.0	4.9
FSA 1607	5.0	6.0	3.3	4.8
RALEIGH	5.7	6.0	2.3	4.7
UGA/TX SA26	5.0	6.0	3.0	4.7
FSA 1608	5.0	6.0	2.7	4.6
FSA 1606	3.7	6.0	3.7	4.4
FSA 1611	4.0	5.7	2.3	4.0
DALSA 1323	4.3	5.3	2.3	4.0
FSA 1613	2.7	6.0	2.7	3.8
DALSA 1501	3.3	6.0	1.7	3.7
DALSA 1404	3.0	5.3	2.0	3.4
DALSA 1316	2.7	5.0	2.3	3.3
FSA 1612	3.0	4.7	2.3	3.3
DALSA 1623	2.0	5.0	2.0	3.0
FLORATAM	3.3	4.0	1.3	2.9
FSA 1614	1.0	5.0	2.7	2.9
DALSA 1502	2.3	5.0	1.0	2.8
DALSA 1618	1.3	5.0	1.7	2.7
FSA 1602	1.3	5.0	1.7	2.7
LSD VALUE	1.9	0.6	1.1	0.8
C.V. (%)	27.3	6.0	24.1	18.7

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 8. SPRING DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2017 DATA

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

NAME	FL3
DALSA 1618	7.3
XSA11168	7.3
DALSA 1501	7.0
DALSA 1502	7.0
FSA 1601	7.0
FSA 1610	7.0
UGA/TX SA26	7.0
FSA 1602	6.7
FSA 1613	6.7
DALSA 1316	6.3
FSA 1603	6.3
FSA 1611	6.3
FSA 1614	6.3
FLORATAM	6.0
FSA 1605	6.0
FSA 1608	6.0
FSA 1612	6.0
DALSA 1323	5.7
FSA 1604	5.3
FSA 1607	5.3
FSA 1609	5.3
RALEIGH	5.3
DALSA 1404	5.0
PALMETTO	5.0
XSA10403	5.0
DALSA 1623	4.0
FSA 1606	4.0
LSD VALUE	1.5
C.V. (%)	15.5

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

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

TABLE 9. SUMMER DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2017 DATA

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

NAME	FL3	TX1	MEAN
DALSA 1502	8.3	8.3	8.3
DALSA 1501	7.7	7.7	7.7
DALSA 1316	7.3	7.7	7.5
DALSA 1618	7.7	7.3	7.5
FSA 1603	7.0	8.0	7.5
FSA 1604	7.0	8.0	7.5
FSA 1605	7.0	8.0	7.5
DALSA 1323	6.7	8.0	7.3
DALSA 1404	6.7	8.0	7.3
FSA 1607	6.7	8.0	7.3
FSA 1601	6.7	7.7	7.2
DALSA 1623	6.3	8.0	7.2
FSA 1608	7.0	7.3	7.2
FSA 1609	7.0	7.3	7.2
FSA 1610	7.0	7.3	7.2
XSA10403	7.0	6.7	6.8
UGA/TX SA26	6.7	6.7	6.7
FSA 1602	7.0	6.3	6.7
FSA 1614	7.0	6.3	6.7
FLORATAM	6.7	6.3	6.5
FSA 1606	6.0	7.0	6.5
FSA 1611	7.3	5.7	6.5
FSA 1613	6.7	6.3	6.5
PALMETTO	6.7	6.3	6.5
RALEIGH	6.3	6.7	6.5
XSA11168	7.7	5.3	6.5
FSA 1612	6.0	5.7	5.8
LSD VALUE	1.1	0.9	0.7
C.V. (%)	10.1	8.1	9.1

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

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

TABLE 10. FALL DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2017 DATA

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

NAME	FL3
FSA 1611	8.3
DALSA 1502	7.7
FSA 1601	7.7
FSA 1603	7.7
XSA11168	7.7
DALSA 1316	7.3
DALSA 1501	7.3
FSA 1604	7.3
FSA 1605	7.3
FSA 1610	7.3
FSA 1614	7.3
RALEIGH	7.3
DALSA 1323	7.0
DALSA 1618	7.0
FSA 1607	7.0
FSA 1608	7.0
FSA 1609	7.0
PALMETTO	7.0
UGA/TX SA26	7.0
DALSA 1404	6.7
FSA 1602	6.7
DALSA 1623	6.3
FLORATAM	6.3
FSA 1606	6.3
FSA 1613	6.3
XSA10403	6.3
FSA 1612	6.0
LSD VALUE	1.0
C.V. (%)	9.2

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

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

TABLE 11. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2017 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MS1	TX1	MEAN
FSA 1608	86.7	65.0	75.8
RALEIGH	85.0	65.0	75.0
UGA/TX SA26	86.7	61.7	74.2
DALSA 1623	83.3	63.3	73.3
PALMETTO	92.3	51.7	72.0
FSA 1604	83.3	56.7	70.0
XSA10403	73.3	63.3	68.3
DALSA 1618	75.0	58.3	66.7
FSA 1610	80.0	51.7	65.8
FSA 1613	84.3	45.0	64.7
XSA11168	71.7	56.7	64.2
FSA 1606	81.7	43.3	62.5
DALSA 1316	70.0	53.3	61.7
FSA 1609	80.0	43.3	61.7
DALSA 1323	70.0	51.7	60.8
DALSA 1404	75.0	45.0	60.0
DALSA 1502	73.3	46.7	60.0
FSA 1607	73.3	45.0	59.2
FSA 1601	78.3	38.3	58.3
FSA 1614	75.0	40.0	57.5
FSA 1605	76.7	35.0	55.8
DALSA 1501	75.0	30.0	52.5
FLORATAM	45.0	55.0	50.0
FSA 1602	60.0	38.3	49.2
FSA 1603	60.0	28.3	44.2
FSA 1611	66.7	18.3	42.5
FSA 1612	51.7	18.3	35.0
LSD VALUE	14.2	17.3	11.4
C.V. (%)	11.8	22.8	16.3

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

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

TABLE 12. WINTER COLOR RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2017 DATA

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

NAME	FL3
DALSA 1623	4.3
DALSA 1618	4.0
XSA10403	4.0
FSA 1609	3.7
FSA 1614	3.7
PALMETTO	3.7
RALEIGH	3.7
DALSA 1502	3.3
FSA 1606	3.3
FSA 1607	3.3
DALSA 1323	3.0
FSA 1603	3.0
FSA 1605	3.0
UGA/TX SA26	3.0
DALSA 1316	2.7
DALSA 1404	2.7
FSA 1608	2.7
DALSA 1501	2.3
FLORATAM	2.3
FSA 1602	2.3
FSA 1604	2.3
FSA 1610	2.3
FSA 1601	2.0
FSA 1611	2.0
FSA 1612	2.0
FSA 1613	2.0
XSA11168	2.0
LSD VALUE	1.0
C.V. (%)	21.2

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 13. GRAY LEAF SPOT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2017 DATA

GRAY LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	MS1	NC1	TX1	MEAN
DALSA 1618	7.7	6.7	6.7	7.0
XSA10403	6.3	7.3	6.7	6.8
FSA 1602	7.3	7.3	5.3	6.7
XSA11168	5.3	7.0	7.7	6.7
FSA 1604	7.3	7.0	5.3	6.6
DALSA 1404	7.3	7.7	4.3	6.4
DALSA 1502	6.7	6.7	5.0	6.1
FSA 1610	7.3	5.3	5.7	6.1
DALSA 1501	6.0	6.7	5.3	6.0
FSA 1606	5.7	6.0	6.3	6.0
FSA 1601	7.7	5.7	4.3	5.9
FSA 1609	7.3	4.7	5.7	5.9
DALSA 1623	6.7	6.3	4.3	5.8
FSA 1612	5.7	6.3	5.0	5.7
DALSA 1323	6.0	5.0	5.3	5.4
FLORATAM	3.7	6.0	6.7	5.4
DALSA 1316	5.7	5.7	4.7	5.3
FSA 1614	4.3	6.3	5.3	5.3
FSA 1611	5.0	5.7	5.0	5.2
UGA/TX SA26	4.0	5.0	6.7	5.2
PALMETTO	4.3	5.0	6.3	5.2
FSA 1605	4.7	5.7	5.0	5.1
FSA 1608	3.3	5.0	7.0	5.1
FSA 1613	3.3	5.7	6.3	5.1
FSA 1603	5.7	4.0	5.3	5.0
RALEIGH	3.3	5.0	6.7	5.0
FSA 1607	3.7	4.7	6.0	4.8
LSD VALUE	1.3	1.9	1.2	0.9
C.V. (%)	14.0	19.7	12.8	15.9

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 14. FALL COLOR (SEPTEMBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2017 DATA

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

NAME	AL1	FL3	GA1	MEAN
FSA 1603	5.7	8.3	6.7	6.9
DALSA 1316	7.0	7.0	6.3	6.8
FSA 1602	6.3	7.3	6.7	6.8
FLORATAM	6.7	7.0	6.3	6.7
FSA 1611	6.7	6.7	6.3	6.6
FSA 1613	7.0	6.0	6.7	6.6
DALSA 1618	6.7	6.0	6.7	6.4
FSA 1601	6.7	5.7	7.0	6.4
DALSA 1502	6.3	6.7	6.3	6.4
FSA 1604	5.3	7.3	6.7	6.4
FSA 1612	7.0	6.0	6.3	6.4
FSA 1606	4.7	7.3	7.0	6.3
DALSA 1623	6.0	6.0	6.7	6.2
FSA 1614	5.7	6.7	6.3	6.2
UGA/TX SA26	4.7	7.3	6.7	6.2
DALSA 1404	6.3	6.3	6.0	6.2
FSA 1605	5.0	6.7	6.7	6.1
FSA 1610	4.7	6.7	7.0	6.1
XSA10403	5.0	7.0	6.3	6.1
FSA 1607	5.0	6.3	6.7	6.0
FSA 1609	5.0	6.0	7.0	6.0
RALEIGH	4.0	7.0	7.0	6.0
FSA 1608	4.7	6.7	6.0	5.8
DALSA 1501	6.0	5.3	6.0	5.8
PALMETTO	4.3	6.0	7.0	5.8
XSA11168	4.7	6.0	6.3	5.7
DALSA 1323	4.3	5.3	6.7	5.4
LSD VALUE	2.6	0.8	0.8	1.0
C.V. (%)	29.3	8.0	7.2	16.5

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

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

TABLE 15. FALL COLOR (OCTOBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2017 DATA

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

NAME	FL3	GA1	MEAN
FSA 1603	9.0	6.3	7.7
FSA 1610	8.0	7.0	7.5
FSA 1602	8.0	6.7	7.3
FSA 1611	8.3	6.3	7.3
FSA 1604	8.0	6.3	7.2
FSA 1608	8.0	6.0	7.0
PALMETTO	7.0	6.7	6.8
FLORATAM	7.3	6.3	6.8
FSA 1606	7.3	6.3	6.8
FSA 1607	7.3	6.3	6.8
FSA 1614	7.3	6.3	6.8
RALEIGH	6.7	6.7	6.7
DALSA 1316	7.0	6.3	6.7
FSA 1605	7.0	6.3	6.7
UGA/TX SA26	7.0	6.3	6.7
DALSA 1501	7.0	6.0	6.5
DALSA 1404	6.7	6.0	6.3
DALSA 1502	6.7	6.0	6.3
DALSA 1618	6.0	6.7	6.3
DALSA 1623	6.0	6.7	6.3
FSA 1613	6.0	6.7	6.3
FSA 1609	6.3	6.3	6.3
FSA 1601	5.7	6.7	6.2
FSA 1612	6.0	6.3	6.2
XSA10403	6.0	6.3	6.2
XSA11168	6.0	6.3	6.2
DALSA 1323	5.7	6.3	6.0
LSD VALUE	0.9	0.8	0.6
C.V. (%)	7.7	8.1	7.9

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

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

TABLE 16. FALL COLOR (NOVEMBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2017 DATA

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

NAME	FL3	NC1	TX1	MEAN
DALSA 1502	7.0	6.7	5.7	6.4
DALSA 1501	6.3	4.7	5.7	5.6
FSA 1603	8.0	4.0	4.7	5.6
UGA/TX SA26	7.3	4.3	4.7	5.4
FSA 1608	6.3	4.3	5.0	5.2
DALSA 1316	6.3	5.0	4.3	5.2
FSA 1602	7.0	4.3	4.3	5.2
FSA 1606	7.0	4.3	4.3	5.2
DALSA 1623	5.7	5.0	4.7	5.1
FSA 1607	7.0	4.0	4.0	5.0
PALMETTO	5.7	4.3	5.0	5.0
RALEIGH	6.7	4.0	4.3	5.0
DALSA 1404	5.3	4.7	4.7	4.9
DALSA 1618	5.7	4.3	4.7	4.9
FSA 1605	6.7	4.0	4.0	4.9
FSA 1604	7.3	4.0	3.3	4.9
FLORATAM	6.7	4.0	3.3	4.7
FSA 1610	6.7	3.3	4.0	4.7
DALSA 1323	5.0	4.7	4.0	4.6
FSA 1614	6.0	4.0	3.3	4.4
FSA 1611	6.3	3.7	3.0	4.3
FSA 1613	5.0	4.0	3.7	4.2
XSA10403	5.3	4.0	3.0	4.1
FSA 1609	5.3	3.3	3.3	4.0
FSA 1612	5.0	4.0	3.0	4.0
FSA 1601	4.3	4.0	3.3	3.9
XSA11168	5.3	4.0	2.3	3.9
LSD VALUE	1.0	0.9	1.0	0.6
C.V. (%)	10.4	13.0	14.7	12.4

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

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

TABLE 17. FALL COLOR (DECEMBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2017 DATA

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

NAME	TX1
DALSA 1502	6.3
DALSA 1404	5.7
FSA 1608	5.7
DALSA 1501	5.3
DALSA 1618	5.3
DALSA 1623	5.3
FSA 1606	5.3
FSA 1607	5.3
PALMETTO	5.3
UGA/TX SA26	5.3
FSA 1603	4.7
FSA 1601	4.3
FSA 1605	4.3
FSA 1614	4.3
RALEIGH	4.3
DALSA 1323	4.0
FSA 1602	4.0
FSA 1610	4.0
FSA 1613	4.0
XSA10403	4.0
DALSA 1316	3.7
FSA 1604	3.7
FSA 1609	3.7
FLORATAM	3.3
FSA 1611	3.0
FSA 1612	3.0
XSA11168	3.0
LSD VALUE	1.2
C.V. (%)	16.5

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

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

TABLE 18. SEEDHEAD RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2017 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/				
NAME	MS1	TX1	MEAN	
FSA 1611	9.0	9.0	9.0	
FSA 1612	9.0	9.0	9.0	
DALSA 1502	9.0	8.3	8.7	
FSA 1601	9.0	8.3	8.7	
FSA 1614	9.0	8.0	8.5	
DALSA 1316	9.0	7.7	8.3	
DALSA 1404	7.7	9.0	8.3	
FSA 1602	8.3	6.7	7.5	
FSA 1603	8.3	6.3	7.3	
FSA 1607	8.7	6.0	7.3	
FLORATAM	7.7	5.3	6.5	
FSA 1605	6.7	5.7	6.2	
FSA 1604	4.7	6.7	5.7	
FSA 1613	5.7	5.7	5.7	
DALSA 1501	5.0	6.3	5.7	
FSA 1609	6.3	5.0	5.7	
DALSA 1618	5.0	4.7	4.8	
UGA/TX SA26	4.7	5.0	4.8	
XSA10403	4.3	5.3	4.8	
XSA11168	6.0	3.3	4.7	
FSA 1610	5.3	4.0	4.7	
FSA 1606	5.3	3.7	4.5	
RALEIGH	3.7	5.3	4.5	
FSA 1608	4.0	4.7	4.3	
DALSA 1623	3.3	5.3	4.3	
DALSA 1323	2.0	6.0	4.0	
PALMETTO	4.0	3.7	3.8	
LSD VALUE	1.1	1.2	0.8	
C.V. (%)	11.0	12.1	11.5	

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

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

TABLE 19. PERCENT ESTABLISHMENT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
AT AUBURN, AL 2/
2017 DATA

NAME	JULY_2	AUG_2	AUG_18	SEP_15	OCT_15	MEAN
DALSA 1316	5.7	10.7	26.7	60.0	83.3	37.3
FSA 1612	4.7	13.3	23.3	56.7	80.0	35.6
FSA 1603	5.7	12.3	21.7	53.3	81.7	34.9
FSA 1610	4.3	8.3	25.0	60.0	76.7	34.9
DALSA 1502	5.7	11.7	20.0	53.3	81.7	34.5
DALSA 1404	6.3	11.7	21.7	56.7	73.3	33.9
FSA 1608	4.3	10.0	21.7	51.7	81.7	33.9
FSA 1605	3.0	8.3	18.3	58.3	79.0	33.4
XSA10403	4.0	10.0	18.3	56.7	76.7	33.1
FSA 1611	3.0	9.7	20.0	55.0	76.7	32.9
DALSA 1623	6.0	11.7	23.3	50.0	71.7	32.5
FSA 1602	5.3	11.7	21.7	55.0	68.3	32.4
RALEIGH	3.7	10.0	21.7	55.0	71.7	32.4
FSA 1601	3.3	10.0	16.7	55.0	76.7	32.3
XSA11168	4.3	10.0	21.7	53.3	71.7	32.2
FSA 1604	4.0	10.0	21.7	48.3	76.7	32.1
FSA 1613	6.3	8.3	20.0	55.0	70.0	31.9
DALSA 1323	5.0	8.0	31.7	46.7	65.0	31.3
FSA 1609	4.0	9.0	18.3	55.0	66.7	30.6
FLORATAM	4.3	9.3	18.3	51.7	68.3	30.4
PALMETTO	2.7	9.3	20.0	50.0	68.3	30.1
FSA 1606	3.3	10.7	16.7	41.7	68.3	28.1
DALSA 1618	10.0	10.0	18.3	40.0	60.0	27.7
FSA 1607	2.3	5.3	15.0	36.7	68.3	25.5
FSA 1614	3.0	5.3	16.7	36.7	60.0	24.3
UGA/TX SA26	2.7	7.0	13.3	36.7	61.7	24.3
DALSA 1501	3.3	4.3	16.7	36.7	56.7	23.5
LSD VALUE	6.2	15.1	20.1	30.1	22.6	14.1
C.V. (%)	53.1	44.8	31.7	22.2	13.5	17.0

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 20. PERCENT ESTABLISHMENT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
AT MISSISSIPPI STATE, MS 2/
2017 DATA

NAME	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	MEAN
XSA11168	73.3	94.3	99.0	99.0	91.4
XSA10403	68.3	94.3	94.3	99.0	89.0
FSA 1614	61.7	91.0	94.7	99.0	86.6
FSA 1612	61.7	86.7	94.3	99.0	85.4
FSA 1610	60.0	88.3	91.3	97.7	84.3
FSA 1604	50.0	85.0	93.0	99.0	81.8
FSA 1611	50.0	81.0	93.0	97.7	80.4
FSA 1609	60.0	81.7	86.0	92.7	80.1
DALSA 1404	51.7	76.7	92.7	98.7	79.9
DALSA 1618	50.0	80.0	89.7	92.3	78.0
DALSA 1623	45.0	78.3	90.0	97.0	77.6
FSA 1606	46.7	78.3	86.7	98.3	77.5
UGA/TX SA26	43.3	78.3	90.0	93.0	76.2
PALMETTO	43.3	75.0	86.7	96.0	75.3
FSA 1608	43.3	78.3	83.3	94.7	74.9
DALSA 1501	46.7	75.0	83.0	94.7	74.8
DALSA 1316	38.3	73.3	81.7	96.3	72.4
RALEIGH	43.3	71.7	81.3	89.3	71.4
FSA 1613	40.0	75.0	78.3	89.3	70.7
DALSA 1502	38.3	68.3	78.3	92.0	69.3
FSA 1601	33.3	68.3	76.7	94.3	68.2
FSA 1602	36.7	68.3	75.0	90.0	67.5
FSA 1605	41.7	63.3	76.3	88.0	67.3
FSA 1607	36.7	68.3	76.7	86.7	67.1
FLORATAM	36.7	65.0	79.7	86.3	66.9
FSA 1603	35.0	65.0	68.3	85.0	63.3
DALSA 1323	31.7	58.3	63.3	80.0	58.3
LSD VALUE	19.0	16.3	18.0	16.1	13.7
C.V. (%)	22.7	11.9	11.1	7.3	10.2

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 21. PERCENT ESTABLISHMENT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
AT RALEIGH, NC 2/
2017 DATA

NAME	SEPTEMBER	OCTOBER	MEAN
XSA10403	78.3	85.0	81.7
XSA11168	73.3	83.3	78.3
FSA 1606	70.0	73.3	71.7
FSA 1612	68.3	75.0	71.7
FSA 1611	66.7	75.0	70.8
UGA/TX SA26	65.0	71.7	68.3
FSA 1610	60.0	73.3	66.7
RALEIGH	65.0	68.3	66.7
FSA 1604	60.0	70.0	65.0
FSA 1605	61.7	68.3	65.0
FSA 1609	60.0	66.7	63.3
FSA 1614	56.7	70.0	63.3
FSA 1608	58.3	66.7	62.5
FSA 1613	51.7	60.0	55.8
DALSA 1618	48.3	60.0	54.2
DALSA 1323	50.0	56.7	53.3
FLORATAM	46.7	56.7	51.7
FSA 1601	45.0	56.7	50.8
DALSA 1623	46.7	53.3	50.0
FSA 1602	48.3	51.7	50.0
DALSA 1316	43.3	53.3	48.3
PALMETTO	45.0	51.7	48.3
FSA 1607	43.3	50.0	46.7
DALSA 1502	40.0	48.3	44.2
FSA 1603	38.3	48.3	43.3
DALSA 1404	38.3	46.7	42.5
DALSA 1501	38.3	45.0	41.7
LSD VALUE	9.3	10.5	9.3
C.V. (%)	11.2	10.8	10.4

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

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

TABLE 22. PERCENT ESTABLISHMENT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
AT DALLAS, TX 2/
2017 DATA

NAME	MAY	JUNE	MEAN
RALEIGH	86.7	95.0	90.8
XSA10403	86.7	95.0	90.8
UGA/TX SA26	85.0	96.3	90.7
XSA11168	85.0	94.7	89.8
FSA 1608	81.7	94.7	88.2
DALSA 1618	78.3	91.7	85.0
FSA 1604	76.7	91.7	84.2
FLORATAM	76.7	90.0	83.3
FSA 1613	71.7	93.0	82.3
DALSA 1316	71.7	91.7	81.7
FSA 1606	73.3	90.0	81.7
FSA 1607	70.0	91.7	80.8
FSA 1614	71.7	88.0	79.8
FSA 1609	66.7	88.3	77.5
PALMETTO	73.3	81.7	77.5
FSA 1605	63.3	88.3	75.8
FSA 1610	66.7	85.0	75.8
FSA 1602	61.7	85.0	73.3
DALSA 1502	60.0	85.0	72.5
DALSA 1623	66.7	78.3	72.5
DALSA 1404	56.7	83.3	70.0
DALSA 1323	61.7	76.7	69.2
DALSA 1501	50.0	85.0	67.5
FSA 1603	50.0	76.7	63.3
FSA 1601	50.0	63.3	56.7
FSA 1612	40.0	63.3	51.7
FSA 1611	36.7	63.3	50.0
LSD VALUE	18.4	15.5	15.9
C.V. (%)	16.5	10.4	12.4

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

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

TABLE 23. PERCENT LIVING GROUND COVER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
AT RALEIGH, NC 2/
2017 DATA

NAME	APRIL	MAY	JUNE	JULY	AUGUST	MEAN
XSA10403	85.0	90.0	95.0	99.0	99.0	93.6
FSA 1608	80.0	86.7	93.3	99.0	99.0	91.6
RALEIGH	78.3	86.7	95.0	99.0	99.0	91.6
UGA/TX SA26	78.3	85.0	95.0	99.0	99.0	91.3
XSA11168	78.3	83.3	94.7	99.0	99.0	90.9
DALSA 1316	70.0	76.7	91.7	97.7	99.0	87.0
FSA 1613	73.3	76.7	90.0	96.7	97.7	86.9
FSA 1604	70.0	76.7	88.3	96.3	99.0	86.1
FSA 1614	71.7	78.3	88.3	93.0	97.7	85.8
FSA 1601	70.0	75.0	88.3	93.0	98.3	84.9
FSA 1610	71.7	78.3	85.0	93.0	96.0	84.8
PALMETTO	68.3	76.7	88.3	93.0	97.7	84.8
FSA 1605	66.7	76.7	86.7	94.7	98.3	84.6
FSA 1612	66.7	75.0	86.7	94.7	98.3	84.3
FSA 1611	66.7	75.0	85.0	93.0	97.7	83.5
FSA 1606	58.3	70.0	90.0	95.0	98.3	82.3
DALSA 1623	61.7	71.7	85.0	91.7	97.7	81.5
DALSA 1501	55.0	65.0	88.3	94.7	99.0	80.4
DALSA 1618	56.7	70.0	85.0	90.0	97.7	79.9
DALSA 1323	61.7	68.3	81.7	91.3	95.3	79.7
FSA 1609	60.0	65.0	81.7	90.0	95.3	78.4
FLORATAM	56.7	68.3	83.3	88.0	95.3	78.3
DALSA 1502	51.7	63.3	83.3	91.3	96.3	77.2
DALSA 1404	51.7	61.7	83.3	91.7	97.0	77.1
FSA 1607	36.7	43.3	71.7	80.0	90.0	64.3
FSA 1602	20.0	28.3	56.7	70.0	84.0	51.8
FSA 1603	16.7	18.3	46.7	60.0	77.3	43.8
LSD VALUE	15.5	14.3	12.3	10.7	6.9	10.0
C.V. (%)	16.0	13.3	9.1	7.2	4.3	8.0

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

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

TABLE 24. GRAY LEAF SPOT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
AT RALEIGH, NC
2017 DATA

GRAY LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	SEPTEMBER	OCTOBER	MEAN
FSA 1602	7.3	6.7	7.0
DALSA 1404	7.7	6.0	6.8
XSA10403	7.3	6.0	6.7
XSA11168	7.0	6.0	6.5
DALSA 1501	6.7	6.0	6.3
FSA 1604	7.0	5.7	6.3
DALSA 1502	6.7	5.7	6.2
FSA 1606	6.0	6.3	6.2
DALSA 1618	6.7	5.3	6.0
FSA 1612	6.3	5.3	5.8
FLORATAM	6.0	4.7	5.3
FSA 1611	5.7	5.0	5.3
FSA 1614	6.3	4.3	5.3
DALSA 1623	6.3	4.0	5.2
FSA 1601	5.7	4.7	5.2
FSA 1605	5.7	4.7	5.2
DALSA 1316	5.7	4.3	5.0
FSA 1613	5.7	4.3	5.0
FSA 1607	4.7	5.0	4.8
FSA 1610	5.3	4.0	4.7
PALMETTO	5.0	4.0	4.5
RALEIGH	5.0	4.0	4.5
UGA/TX SA26	5.0	4.0	4.5
DALSA 1323	5.0	3.7	4.3
FSA 1608	5.0	3.7	4.3
FSA 1609	4.7	3.7	4.2
FSA 1603	4.0	4.0	4.0
LSD VALUE	2.4	2.0	1.9
C.V. (%)	19.3	20.9	18.3

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

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

TABLE 25. GRAY LEAF SPOT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
AT DALLAS, TX
2017 DATA

GRAY LEAF SPOT RATINGS 1-9; 9=NO DISEASE 2/

NAME	APRIL	SEPTEMBER	MEAN
DALSA 1618	6.7	8.3	7.5
FSA 1606	6.3	8.3	7.3
FSA 1608	7.0	7.3	7.2
XSA11168	7.7	6.7	7.2
FLORATAM	6.7	7.3	7.0
FSA 1610	5.7	8.3	7.0
DALSA 1502	5.0	8.7	6.8
FSA 1613	6.3	7.3	6.8
FSA 1604	5.3	8.0	6.7
PALMETTO	6.3	7.0	6.7
RALEIGH	6.7	6.7	6.7
UGA/TX SA26	6.7	6.7	6.7
XSA10403	6.7	6.7	6.7
DALSA 1404	4.3	8.7	6.5
FSA 1602	5.3	7.7	6.5
FSA 1603	5.3	7.7	6.5
FSA 1609	5.7	7.3	6.5
FSA 1614	5.3	7.7	6.5
DALSA 1623	4.3	8.3	6.3
FSA 1601	4.3	8.0	6.2
FSA 1605	5.0	7.3	6.2
FSA 1612	5.0	7.3	6.2
DALSA 1323	5.3	6.7	6.0
DALSA 1501	5.3	6.7	6.0
FSA 1607	6.0	6.0	6.0
FSA 1611	5.0	6.3	5.7
DALSA 1316	4.7	6.0	5.3
LSD VALUE	1.2	1.4	1.4
C.V. (%)	12.7	10.6	9.7

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

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

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR ST. AUGUSTINEGRASS CULTIVARS
IN THE 2016 NATIONAL ST. AUGUSTINEGRASS TEST */
2017 DATA

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

NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/
DALSA 1316	6.0	0.0
DALSA 1323	5.7	0.0
DALSA 1404	6.2	33.3
DALSA 1501	6.2	33.3
DALSA 1502	6.5	50.0
DALSA 1618	6.3	50.0
DALSA 1623	6.1	33.3
FLORATAM	5.5	0.0
FSA 1601	6.1	66.7
FSA 1602	5.5	0.0
FSA 1603	5.5	16.7
FSA 1604	6.3	66.7
FSA 1605	6.2	33.3
FSA 1606	6.2	33.3
FSA 1607	5.8	16.7
FSA 1608	6.2	33.3
FSA 1609	6.0	16.7
FSA 1610	6.1	33.3
FSA 1611	5.5	0.0
FSA 1612	5.1	0.0
FSA 1613	5.9	16.7
FSA 1614	5.7	0.0
PALMETTO	5.9	0.0
RALEIGH	5.8	33.3
UGA/TX SA26	6.1	16.7
XSA10403	6.0	16.7
XSA11168	5.7	33.3
LSD VALUE	0.4	
C.V. (%)	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).

**/ 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.