

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.

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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 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>.

2023 NATIONAL ST. AUGUSTINEGRASS TEST

LOCATIONS SUBMITTING DATA FOR 2024

<u>State</u>	<u>Location</u>	<u>Code</u>
Florida	Gainesville (Shade)	FL1
Florida	Ft. Lauderdale	FL5
Florida	Jay	FL3
Georgia	Griffin	GA1
Mississippi	Mississippi State	MS1
North Carolina	Raleigh	NC1
North Carolina	Raleigh (Sod)	NC2
Oklahoma	Stillwater	OK1
Texas	Dallas	TX1
Texas	College Station (Drought)	TX2

2023 NATIONAL ST. AUGUSTINEGRASS TEST

ENTRIES AND SPONSORS

Entry No.	Name	Sponsor
1	XSA 11026	North Carolina State Univ.
2	XSA 12155	North Carolina State Univ.
3	XSA 11027	North Carolina State Univ.
4	XSA 11513	North Carolina State Univ.
5	FSA 2301	University of Florida
6	FSA 2022	University of Florida
7	FSA 2013	University of Florida
8	FSA 1907	University of Florida
9	FSA 2012	University of Florida
10	FSA 1617	University of Florida
11	FSA 2026	University of Florida
12	FSA 1627	University of Florida
*13	Floritam	Standard entry
*14	Raleigh	Standard entry
15	DALSA 2301	Texas A&M University
16	DALSA 1914	Texas A&M University
*17	Cobalt	Standard entry
18	DALSA 1910	Texas A&M University
*19	Palmetto	Standard entry

*Commercially available in the USA in 2025 or any other country

TABLE A. 2024 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2023 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
FL1	-	-	-	-	-	UNIFORM SHADE	-	-
FL3	SANDY LOAM	5.6-6.0	151-270	0-150	4.1-5.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
FL5	SAND	6.6-7.0	-	-	-	FULL SUN	0.6-1.0	TO PREVENT STRESS
GA1	SANDY CLAY LOAM	6.1-6.5	-	-	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	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NC2	SILTY CLAY LOAM	6.1-6.5	61-150	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
OK1	LOAM	7.1-7.5	61-150	241-375	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
TX1	SILTY CLAY LOAM	7.6-8.5	151-270	241-375	2.1-3.0	FULL SUN	3.6-4.0	ONLY DURING SEVERE STRESS
TX2	SILTY CLAY LOAM	-	-	-	-	FULL SUN	2.6-3.0	TO PREVENT STRESS

TABLE A. (2023) 2023 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2023 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
FL1	-	-	-	-	-	UNIFORM SHADE	-	-
FL3	SANDY LOAM	5.6-6.0	151-270	0-150	4.1-5.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
FL5	SAND	6.6-7.0	-	-	-	FULL SUN	0.6-1.0	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	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NC6	SILTY CLAY LOAM	6.1-6.5	61-150	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
OK1	LOAM	7.1-7.5	61-150	241-375	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
TX1	SILTY CLAY LOAM	7.6-8.5	151-270	241-375	2.1-3.0	FULL SUN	3.6-4.0	ONLY DURING SEVERE STRESS
TX2	SILTY CLAY LOAM	-	-	-	-	FULL SUN	2.6-3.0	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2024

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
FL1					X	X	X	X	X	X	X	X
FL3						X	X	X	X	X	X	
FL5	X	X	X	X	X	X	X	X	X	X	X	X
GA1					X	X	X	X	X	X		
MS1					X	X	X	X	X	X	X	
NC1					X	X	X	X	X	X	X	
NC6												
OK1												
TX1				X	X	X	X			X	X	
TX2			X	X	X	X	X	X	X	X	X	X

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2024

LOCATION	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	PERCENT WINTER KILL	BROWN PATCH WARM TEMP.	GRAY LEAF SPOT
FL1	X		X					X					
FL3	X		X										
FL5	X		X		X	X	X	X	X	X			
GA1	X							X					
MS1		X		X				X	X	X		X	
NC1	X					X	X	X	X	X			X
NC6													
OK1								X		X	X		
TX1	X	X	X				X				X	X	X
TX2		X											X

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2024

LOCATION	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	SEEDHEAD RATINGS	PERCENT ESTABLISH- MENT (APR)	SEEDHEAD JUL AUG	LARGE PATCH AUG OCT NOV	SOD STRENGTH JUNE SEPTEMBER
FL1 FL3 FL5								
GA1	X	X						
MS1			X	X				
NC1	X	X	X	X		X X	X X X	
NC6					X			X X
* OK1								
TX1			X	X				
* TX2								

* MORE DATA FOR OK1 IN TABLE 24 AND MORE ESTABLISHMENT DATA FOR TX2 IN TABLE 33.

TABLE B. (2023)

LOCATIONS AND DATA COLLECTED IN 2023

LOCATION	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING	GENETIC COLOR	LEAF TEXTURE	FALL DENSITY	PERCENT COVER FALL	LEAF SPOT	GRAY LEAF SPOT	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	ADDITIONAL ESTABLISHMENT 2023 OR/AND 2024
FL1 FL3 FL5								X						X X X
MS1 NC1 NC6														X X X
OK1									X					X
TX1	X	X	X	X		X	X			X			X	X
TX2	X		X	X	X						X			X

TABLE 1. TURFGRASS QUALITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2024 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/					
NAME	# Entry	NC1	MS1	FL3	MEAN
DALSA 1914	16	7.5	5.9	7.8	7.1
XSA 12155	2	7.4	5.8	7.7	6.9
FSA 2022	6	7.5	5.7	7.5	6.9
FSA 2026	11	7.3	5.6	7.5	6.8
*COBALT	17	7.2	5.7	7.6	6.8
XSA 11513	4	7.1	5.7	7.6	6.8
XSA 11027	3	7.1	5.6	7.6	6.8
XSA 11026	1	7.1	5.6	7.5	6.7
DALSA 2301	15	7.0	5.5	7.5	6.7
FSA 1627	12	7.0	5.5	7.4	6.7
*PALMETTO	19	7.0	5.5	7.4	6.6
DALSA 1910	18	6.9	5.4	7.3	6.5
FSA 1907	8	6.8	5.4	7.3	6.5
FSA 1617	10	6.7	5.3	7.3	6.4
FSA 2013	7	6.4	5.0	7.0	6.2
FSA 2012	9	6.3	4.9	7.0	6.1
*RALEIGH	14	6.0	4.7	6.7	5.8
FSA 2301	5	5.8	4.5	6.6	5.6
*FLORATAM	13	5.5	4.3	6.4	5.4
LSD VALUE		0.8	0.8	0.8	0.8
C.V. (%)		7.3	9.3	6.8	7.7

* / COMMERCIALLY AVAILABLE IN THE USA IN 2025

**/ 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 */
2024 DATA

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

NAME	# Entry	FL5	GA1	TX2	MEAN
FSA 1617	10	6.4	7.2	5.9	6.5
XSA 11513	4	6.5	7.3	5.7	6.5
DALSA 2301	15	6.4	7.2	5.7	6.4
XSA 11027	3	6.5	7.2	5.6	6.4
COBALT	17	6.4	7.2	5.5	6.4
XSA 11026	1	6.4	7.1	5.5	6.3
DALSA 1914	16	6.5	7.1	5.2	6.3
FSA 2012	9	6.1	7.0	5.7	6.2
PALMETTO	19	6.3	7.0	5.3	6.2
XSA 12155	2	6.4	7.0	5.1	6.2
DALSA 1910	18	6.2	7.0	5.3	6.2
FSA 1907	8	6.2	7.0	5.3	6.2
FSA 1627	12	6.2	6.9	5.2	6.1
FSA 2013	7	6.0	6.9	5.4	6.1
FLORATAM	13	5.7	6.8	5.8	6.1
FSA 2301	5	5.8	6.8	5.6	6.1
RALEIGH	14	5.8	6.7	5.3	5.9
FSA 2026	11	6.1	6.8	4.7	5.9
FSA 2022	6	5.8	6.3	4.0	5.4
LSD VALUE		0.8	0.8	0.8	0.8
C.V. (%)		8.1	7.2	9.3	8.1

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

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

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

TABLE 3. SOD STRENGTH AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
GROWN FOR SOD STUDY AT JACKSON SPRING (SOD), NC 1/
2024 DATA/

SOD STRENGTH MEASURED IN POUNDS 2/

NAME	SPRING 2024	SOD STRENGTH IN LBS 6/26/24	% RECOVERY 8/29/24 AFTER 6/26 HARVEST	% RECOVERY 10/22/24 AFTER 6/26 HARVEST	SOD STRENGTH IN LBS 9/17/24	% RECOVERY 10/22/24 AFTER 9/17 HARVEST
COBALT	56.7	43.7	16.7	35.0	110.0	0.0
FSA 2026	50.0	48.3	28.3	46.7	104.3	0.0
FSA 1627	31.7	23.7	21.7	38.3	90.0	1.3
DALSA 1914	53.3	18.3	23.3	41.7	89.3	2.3
DALSA 1910	50.0	35.7	20.0	46.7	84.3	0.0
PALMETTO	46.7	21.7	11.7	26.7	75.7	0.7
FSA 1907	31.7	29.3	21.7	45.0	75.3	2.7
DALSA 2301	63.3	21.3	18.3	46.7	62.7	1.0
FSA 2013	35.0	30.0	25.0	41.7	55.7	0.7
FSA 2301	48.3	20.7	20.0	43.3	53.7	1.7
XSA 11026	60.0	28.3	20.0	36.7	49.0	1.7
RALEIGH	41.7	33.0	16.7	28.3	48.0	0.0
FLORATAM	16.7	14.7	21.7	46.7	45.3	2.0
FSA 1617	30.0	37.0	21.0	11.7	43.7	0.0
XSA 11513	48.3	21.3	15.0	33.3	37.3	0.7
FSA 2012	26.7	11.7	23.3	41.7	33.0	0.7
XSA 12155	55.0	19.3	6.7	16.7	32.0	0.7
XSA 11027	43.3	29.3	13.3	25.0	31.3	0.7
FSA 2022	41.7	17.3	11.7	21.7	28.7	0.3
LSD VALUE	17.8	21.6	30.4	28.8	33.9	3.1
C.V. (%)	23.8	40.7	52.5	37.5	33.4	135.3

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 4.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
GROWN UNDER DROUGHT STRESS AT DALLAS, TX 1/
2024 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	FALL DENSITY	WINTER KILL	BROWN PATCH WEAR	GRAY LEAF SPOT	COLOR NOVEMBER	APR	MAY	QUALITY JUN	RATINGS JUL	OCT	NOV	MEAN
DALSA 2301	7.7	3.3	7.3	30.0	6.3	7.7	7.0	5.3	6.7	6.3	8.3	6.3	6.3	6.6
COBALT	7.0	3.3	8.0	35.0	8.3	7.0	7.7	5.0	6.3	6.3	6.7	7.3	7.0	6.4
DALSA 1910	7.3	3.7	8.7	28.3	9.0	2.7	7.7	5.0	5.7	5.7	7.3	7.7	7.0	6.4
FSA 1907	8.3	3.3	7.7	58.3	8.7	7.0	8.0	4.0	6.3	6.3	7.7	7.3	7.0	6.4
DALSA 1914	7.0	4.0	7.0	25.0	6.0	5.7	6.3	5.0	6.3	6.0	7.0	6.3	5.3	6.0
XSA 11027	6.7	4.3	8.0	51.7	8.0	3.7	8.0	4.3	5.7	5.0	6.7	7.3	7.0	6.0
FSA 2301	6.7	4.3	7.0	18.3	8.7	3.0	7.0	5.7	5.0	4.7	7.0	6.7	6.3	5.9
XSA 11026	6.0	4.7	7.7	56.7	8.7	4.3	7.7	4.3	5.0	5.0	5.7	6.7	7.3	5.7
FSA 2026	7.3	5.7	5.7	50.0	7.7	7.7	6.0	4.0	5.3	5.7	6.7	6.3	5.3	5.6
PALMETTO	6.3	4.7	5.7	23.3	6.0	6.0	5.3	5.0	5.0	4.7	5.3	6.0	5.3	5.2
XSA 11513	5.7	5.0	6.7	56.7	8.3	7.0	7.0	3.3	4.0	4.7	6.0	6.3	7.0	5.2
FSA 1617	6.7	4.0	7.0	65.0	8.7	4.0	7.0	3.3	4.0	4.3	5.0	6.3	6.3	4.9
FSA 2012	8.0	4.0	6.7	71.7	8.0	5.0	7.0	3.3	5.3	4.3	5.3	6.0	5.3	4.9
FSA 2013	5.7	4.3	6.3	60.0	8.0	7.3	7.0	2.7	4.3	4.3	5.3	6.7	6.3	4.9
FSA 2022	7.7	5.3	6.3	66.7	8.0	7.0	6.0	3.7	4.7	4.7	5.0	6.0	5.3	4.9
FSA 1627	6.7	4.3	5.7	51.7	7.7	5.7	6.0	4.0	4.3	4.3	5.3	5.7	5.3	4.8
FLORATAM	5.3	3.7	7.3	78.3	8.7	4.7	8.0	2.3	3.7	3.3	5.3	6.7	7.0	4.7
XSA 12155	6.0	5.0	6.3	46.7	7.3	6.3	5.3	4.0	4.7	4.7	5.3	5.0	4.3	4.7
RALEIGH	6.0	4.7	4.3	23.3	3.7	4.3	4.7	4.0	4.3	4.0	5.0	4.7	3.0	4.2
LSD VALUE	0.9	0.8	1.5	27.1	2.4	1.8	1.5	1.4	1.2	1.2	1.5	1.6	2.4	1.1
C.V. (%)	8.0	11.8	12.8	33.2	16.8	20.0	12.5	19.5	14.2	14.4	14.1	12.6	20.2	11.8

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

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

TABLE 4.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
GROWN UNDER DROUGHT STRESS AT DALLAS, TX 1/
2024 DATA

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

NAME	SEEDHEAD RATINGS			RECOVERY FROM WINTER INJURY IN 2023/2024				QUALITY 14 DAYS INTO DRYDOWN	QUALITY 26 DAYS INTO DRYDOWN	QUALITY 1 MONTH AFTER IRRIGATION	SPRING GREENUP	SPRING GREENUP	SPRING GREENUP
	JUNE 24	JULY 24	AUG 24	APRIL	MAY	JUNE	JULY	8/14/24	8/26/24	9/24/24	3/27	4/15	6/12
DALSA 2301	8.7	7.7	8.7	70.0	86.3	88.0	99.0	8.3	5.3	6.3	3.7	4.3	5.7
COBALT	6.0	4.0	8.7	65.0	85.0	88.0	97.7	6.3	3.7	7.0	3.0	3.7	4.7
DALSA 1910	3.3	5.3	9.0	71.7	83.3	88.0	99.0	6.7	5.0	7.7	4.0	4.3	5.3
FSA 1907	8.0	6.3	8.7	41.7	65.0	68.3	93.0	7.0	5.0	6.7	2.3	2.3	3.7
DALSA 1914	5.7	7.3	8.3	75.0	89.7	89.7	97.7	6.3	4.3	6.0	4.0	4.7	5.7
XSA 11027	5.7	5.0	8.3	48.3	78.3	86.7	99.0	5.7	4.0	7.0	2.0	2.7	3.7
FSA 2301	6.7	6.0	8.7	81.7	93.0	96.0	99.0	6.3	3.3	6.3	3.3	4.3	6.0
XSA 11026	6.7	5.0	8.7	43.3	83.3	76.7	94.3	5.7	3.3	6.7	2.7	2.7	3.7
FSA 2026	6.7	7.0	9.0	50.0	68.3	76.7	96.3	5.3	3.3	6.3	3.0	3.7	4.3
PALMETTO	3.3	4.3	8.3	76.7	91.7	96.3	99.0	4.3	3.0	5.7	3.3	4.3	6.0
XSA 11513	3.3	4.7	8.7	43.3	65.0	79.7	99.0	5.0	3.3	6.3	2.3	3.0	3.3
FSA 1617	7.0	2.0	7.3	35.0	55.0	68.0	99.0	4.7	3.0	6.7	2.3	2.3	3.3
FSA 2012	7.7	4.7	8.3	28.3	48.3	55.0	90.0	4.3	3.3	5.7	2.3	2.3	2.7
FSA 2013	8.0	7.0	8.7	40.0	70.0	86.7	99.0	5.0	3.0	6.0	2.0	2.0	3.3
FSA 2022	8.0	6.3	9.0	33.3	56.7	65.0	96.3	4.3	2.3	5.3	2.7	2.7	3.3
FSA 1627	7.0	6.0	8.7	48.3	68.3	78.3	97.7	4.7	2.7	6.0	2.3	2.7	3.7
FLORATAM	8.0	5.0	8.3	21.7	46.7	58.3	96.3	4.7	3.3	7.0	2.0	2.0	2.3
XSA 12155	3.0	1.7	8.0	53.3	71.7	83.0	99.0	4.3	2.7	6.3	3.3	3.0	4.3
RALEIGH	2.7	3.7	9.0	76.7	90.0	93.0	99.0	4.0	2.3	4.3	3.3	4.0	5.7
LSD VALUE	2.2	1.8	1.5	27.1	25.3	28.2	5.7	1.5	1.5	2.1	0.9	0.9	1.7
C.V. (%)	22.6	21.4	7.0	29.7	19.1	17.3	2.9	16.5	23.5	14.9	18.6	18.4	22.9

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 5.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
GROWN UNDER SHADE AT GAINESVILLE, FL 1/
2024 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	PERCENT GROUND COVER SPRING	MAY	JUN	JUL	QUALITY RATINGS		OCT	NOV	DEC	MEAN
							AUG	SEP				
XSA 11513	6.3	2.3	73.3	5.7	5.7	6.0	6.7	6.7	6.0	6.0	5.3	6.0
FSA 2026	6.0	2.0	60.0	4.7	5.7	6.7	6.7	5.7	5.0	5.3	6.0	5.7
COBALT	7.0	1.0	63.3	5.0	5.3	6.0	6.3	6.3	5.3	5.0	4.7	5.5
XSA 11026	5.0	2.0	70.0	5.3	5.7	5.3	5.3	5.3	5.7	5.3	5.7	5.5
DALSA 2301	6.7	1.3	56.7	4.3	5.3	6.0	6.0	5.3	5.0	5.0	5.0	5.3
DALSA 1914	6.3	1.3	63.3	4.7	5.3	5.7	6.0	5.3	4.7	4.7	5.3	5.2
XSA 11027	5.0	2.0	70.0	5.0	5.7	4.7	4.7	5.0	5.3	5.7	4.7	5.1
DALSA 1910	6.3	1.7	60.0	4.7	5.7	5.3	5.3	5.0	4.0	4.7	5.3	5.0
FSA 1907	6.7	1.0	60.0	4.7	4.3	4.3	5.3	5.7	4.3	4.7	5.0	4.8
XSA 12155	6.0	3.0	56.7	4.0	4.3	4.7	5.3	6.0	5.0	5.0	4.3	4.8
FSA 1627	6.0	1.3	53.3	4.3	4.7	5.3	5.3	4.7	3.7	4.0	4.3	4.5
PALMETTO	5.0	2.0	56.7	4.3	4.7	5.0	5.0	3.7	3.7	3.7	4.0	4.3
FSA 1617	5.7	2.3	66.7	4.7	5.0	5.3	5.3	3.7	2.7	3.0	3.7	4.2
FSA 2022	5.3	2.0	56.7	4.3	5.0	5.0	5.3	4.7	2.7	3.0	3.7	4.2
RALEIGH	5.3	2.7	46.7	3.7	3.7	4.3	4.3	4.0	3.0	3.3	3.7	3.8
FSA 2013	5.3	2.0	46.7	3.7	3.7	3.7	3.7	3.7	3.0	3.0	3.0	3.4
FSA 2012	6.7	1.3	46.7	3.7	3.7	4.3	4.3	2.3	2.0	2.3	2.3	3.1
FSA 2301	5.3	1.3	40.0	3.3	3.7	4.0	4.0	3.3	2.0	2.0	2.0	3.0
FLORATAM	5.7	1.3	33.3	3.3	3.3	3.0	3.0	2.7	2.0	2.0	2.0	2.7
LSD VALUE	1.6	1.0	13.2	1.1	0.9	0.6	0.9	1.1	1.0	1.2	1.1	0.6
C.V. (%)	12.8	30.3	14.0	14.2	12.2	8.0	11.5	15.3	16.4	18.0	16.1	8.9

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 5.
(CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
GROWN UNDER SHADE AT GAINESVILLE, FL 1/
2024 DATA

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

NAME	PERCENT ESTABLISHMENT RATINGS FROM AUGUST 2023-APRIL 2024								
	AUG 2023	SEPT 2023	OCT 2023	NOV 2023	DEC 2023	JAN 2024	FEB 2024	MAR 2024	APR 2024
XSA 11513	36.7	55.0	66.7	60.0	80.0	83.3	83.0	83.0	86.3
FSA 2026	40.0	63.3	73.3	80.0	83.3	83.3	71.7	71.7	73.3
COBALT	28.3	43.3	56.7	56.7	63.3	63.3	63.3	63.3	76.7
XSA 11026	40.0	45.0	53.3	60.0	73.3	73.3	73.3	75.0	86.3
DALSA 2301	33.3	50.0	66.7	70.0	76.7	80.0	63.3	63.3	73.3
DALSA 1914	36.7	50.0	60.0	66.7	73.3	80.0	66.7	63.3	73.3
XSA 11027	38.3	43.3	50.0	63.3	76.7	80.0	73.3	73.3	86.7
DALSA 1910	33.3	50.0	60.0	63.3	76.7	80.0	70.0	70.0	80.0
FSA 1907	28.3	38.3	43.3	46.7	50.0	53.3	56.7	56.7	66.7
XSA 12155	36.7	43.3	53.3	56.7	66.7	66.7	60.0	60.0	63.3
FSA 1627	33.3	46.7	53.3	56.7	63.3	66.7	60.0	60.0	73.3
PALMETTO	36.7	40.0	50.0	53.3	56.7	60.0	50.0	50.0	63.3
FSA 1617	36.7	33.3	46.7	50.0	56.7	63.3	60.0	60.0	70.0
FSA 2022	40.0	46.7	56.7	63.3	70.0	73.3	70.0	66.7	73.3
RALEIGH	31.7	35.0	38.3	43.3	46.7	50.0	43.3	43.3	46.7
FSA 2013	33.3	40.0	43.3	50.0	60.0	66.7	60.0	60.0	60.0
FSA 2012	33.3	43.3	56.7	63.3	76.7	80.0	76.7	70.0	70.0
FSA 2301	33.3	36.7	43.3	46.7	50.0	56.7	46.7	46.7	43.3
FLORATAM	31.7	31.7	33.3	40.0	53.3	53.3	50.0	46.7	46.7
LSD VALUE	15.0	11.8	13.1	12.1	20.5	18.2	27.1	28.7	21.9
C.V. (%)	15.9	15.4	14.8	12.8	16.9	14.8	20.2	21.0	17.6

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 6.

GENETIC COLOR RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2024 DATA

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

NAME	FL1	FL3	FL5	GA1	NC1	MEAN
FSA 1907	6.7	8.7	7.3	6.7	9.0	7.7
COBALT	7.0	7.0	7.3	7.3	8.0	7.3
FSA 2012	6.7	7.7	7.0	6.7	8.0	7.2
DALSA 1914	6.3	6.7	7.0	7.0	8.0	7.0
DALSA 2301	6.7	6.3	7.0	7.0	8.0	7.0
FSA 1627	6.0	7.3	6.7	7.0	8.0	7.0
DALSA 1910	6.3	6.7	6.3	7.0	8.0	6.9
XSA 11513	6.3	6.3	6.7	7.3	7.7	6.9
XSA 12155	6.0	6.3	7.0	7.3	7.7	6.9
XSA 11027	5.0	7.0	6.7	7.3	8.0	6.8
FSA 1617	5.7	7.3	5.3	7.3	8.0	6.7
XSA 11026	5.0	7.0	6.3	7.3	8.0	6.7
FSA 2022	5.3	6.3	6.7	7.0	8.0	6.7
FSA 2026	6.0	6.7	5.0	7.3	8.0	6.6
FSA 2301	5.3	6.7	5.7	7.3	8.0	6.6
RALEIGH	5.3	6.7	5.7	7.0	8.0	6.5
FSA 2013	5.3	6.3	5.7	7.3	8.0	6.5
PALMETTO	5.0	6.7	5.0	6.7	8.0	6.3
FLORATAM	5.7	6.3	5.3	7.0	7.0	6.3
LSD VALUE	1.2	1.0	0.9	0.8	0.3	0.4
C.V. (%)	12.9	9.1	9.2	7.2	2.4	8.3

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

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

TABLE 7.

SPRING GREENUP RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2024 DATA

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

NAME	MS1	TX2	MEAN
XSA 12155	6.0	2.3	4.2
FSA 2026	6.3	1.3	3.8
DALSA 2301	4.7	2.3	3.5
COBALT	4.7	2.0	3.3
FSA 1627	5.0	1.7	3.3
PALMETTO	5.0	1.7	3.3
DALSA 1914	4.7	1.7	3.2
XSA 11513	4.7	1.7	3.2
FSA 2022	4.7	1.0	2.8
XSA 11026	3.0	2.3	2.7
DALSA 1910	3.7	1.7	2.7
RALEIGH	3.7	1.7	2.7
FSA 1617	3.3	1.3	2.3
XSA 11027	3.0	1.7	2.3
FSA 2013	2.3	1.3	1.8
FSA 2301	2.0	1.7	1.8
FSA 2012	1.0	2.0	1.5
FLORATAM	1.0	1.7	1.3
FSA 1907	1.0	1.3	1.2
LSD VALUE	2.9	1.2	1.6
C.V. (%)	48.6	43.3	50.8

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 8.

LEAF TEXTURE RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2024 DATA

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

NAME	FL1	FL3	FL5	MEAN
FSA 2026	2.0	5.0	4.3	3.8
PALMETTO	2.0	3.0	5.0	3.3
RALEIGH	2.7	3.0	4.0	3.2
FSA 2022	2.0	3.0	4.3	3.1
XSA 11513	2.3	2.3	4.0	2.9
FSA 1617	2.3	3.7	2.7	2.9
DALSA 1910	1.7	3.3	3.0	2.7
FSA 2013	2.0	2.0	3.7	2.6
XSA 12155	3.0	1.3	3.3	2.6
DALSA 1914	1.3	2.0	3.3	2.2
XSA 11027	2.0	1.3	3.3	2.2
DALSA 2301	1.3	1.7	3.3	2.1
FSA 1627	1.3	2.0	2.7	2.0
FSA 2012	1.3	1.7	3.0	2.0
XSA 11026	2.0	1.0	3.0	2.0
FLORATAM	1.3	1.3	3.0	1.9
FSA 2301	1.3	1.7	2.3	1.8
FSA 1907	1.0	1.3	2.3	1.6
COBALT	1.0	1.3	1.3	1.2
LSD VALUE	0.9	1.2	1.0	0.6
C.V. (%)	29.6	33.9	19.9	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 9.

SEEDLING VIGOR RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2024 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

NAME	MS1
XSA 12155	5.7
DALSA 2301	5.3
FSA 1617	5.3
FSA 2301	5.3
PALMETTO	5.3
XSA 11513	5.3
COBALT	5.0
FLORATAM	5.0
FSA 2022	5.0
FSA 2026	5.0
XSA 11026	5.0
XSA 11027	5.0
DALSA 1914	4.7
FSA 2013	4.7
RALEIGH	4.7
DALSA 1910	4.3
FSA 1627	4.3
FSA 1907	4.0
FSA 2012	4.0
LSD VALUE	1.0
C.V. (%)	13.0

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 10.

SPRING DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2024 DATA

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

NAME	FL5
DALSA 1910	8.3
FSA 2022	8.3
XSA 11513	8.3
XSA 12155	8.3
COBALT	8.0
DALSA 1914	8.0
DALSA 2301	8.0
FSA 1617	8.0
FSA 1627	8.0
FSA 1907	8.0
FSA 2012	8.0
FSA 2013	8.0
FSA 2026	8.0
FSA 2301	8.0
PALMETTO	8.0
RALEIGH	8.0
XSA 11026	8.0
XSA 11027	8.0
FLORATAM	7.7
LSD VALUE	0.6
C.V. (%)	4.7

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 11.

SUMMER DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2024 DATA

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

NAME	FL5	NC1	MEAN
XSA 12155	8.3	9.0	8.7
XSA 11513	8.3	8.3	8.3
DALSA 2301	8.0	8.3	8.2
XSA 11027	8.3	8.0	8.2
DALSA 1910	7.7	8.3	8.0
FSA 1617	7.3	8.7	8.0
FSA 2022	7.0	9.0	8.0
FSA 2026	7.0	9.0	8.0
PALMETTO	7.3	8.7	8.0
FSA 1627	7.7	8.0	7.8
XSA 11026	7.3	8.3	7.8
COBALT	7.7	7.7	7.7
DALSA 1914	7.3	8.0	7.7
RALEIGH	7.0	8.0	7.5
FSA 1907	7.0	7.7	7.3
FSA 2012	7.0	7.7	7.3
FSA 2013	7.0	7.7	7.3
FLORATAM	7.0	6.3	6.7
FSA 2301	7.0	6.3	6.7
LSD VALUE	0.9	0.7	0.6
C.V. (%)	7.1	5.7	6.4

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

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

TABLE 12.

FALL DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2024 DATA

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

NAME	FL5	NC1	MEAN
XSA 12155	8.7	9.0	8.8
FSA 1627	8.3	8.3	8.3
FSA 2022	7.7	9.0	8.3
FSA 2026	7.7	9.0	8.3
XSA 11026	8.3	8.3	8.3
XSA 11027	8.7	8.0	8.3
XSA 11513	8.7	8.0	8.3
FSA 1617	8.3	8.0	8.2
COBALT	8.3	7.7	8.0
DALSA 1914	8.0	8.0	8.0
DALSA 2301	8.0	8.0	8.0
PALMETTO	7.7	8.3	8.0
FSA 1907	8.0	7.7	7.8
DALSA 1910	7.0	8.0	7.5
RALEIGH	7.3	7.7	7.5
FSA 2012	7.3	7.3	7.3
FSA 2013	7.3	7.3	7.3
FLORATAM	7.0	6.7	6.8
FSA 2301	7.3	6.0	6.7
LSD VALUE	1.0	0.7	0.6
C.V. (%)	8.1	5.8	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 13. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2024 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/							
NAME	FL1	FL5	GA1	MS1	NC1	OK1	MEAN
PALMETTO	56.7	86.7	76.7	61.7	85.0	13.3	63.3
FSA 2026	60.0	86.7	76.7	78.3	76.7	1.3	63.3
DALSA 1914	63.3	90.0	80.0	51.7	91.7	0.7	62.9
XSA 12155	56.7	91.3	76.7	80.0	65.0	0.7	61.7
XSA 11513	73.3	96.3	73.3	53.3	71.7	0.7	61.4
COBALT	63.3	95.0	70.0	60.0	80.0	0.0	61.4
DALSA 2301	56.7	86.7	76.7	56.7	83.3	0.0	60.0
FSA 1627	53.3	90.0	80.0	60.0	75.0	1.3	59.9
FSA 1617	66.7	90.0	80.0	40.0	68.3	1.3	57.7
XSA 11027	70.0	88.0	71.7	36.7	71.7	1.0	56.5
DALSA 1910	60.0	81.7	80.0	43.3	73.3	0.0	56.4
FSA 2022	56.7	90.0	73.3	53.3	63.3	0.0	56.1
XSA 11026	70.0	88.3	66.7	33.3	75.0	0.3	55.6
RALEIGH	46.7	86.7	71.7	46.7	63.3	15.0	55.0
FSA 1907	60.0	93.3	76.7	8.3	58.3	0.0	49.4
FSA 2013	46.7	81.7	80.0	26.7	33.3	0.0	44.7
FSA 2012	46.7	81.7	76.7	8.3	53.3	0.0	44.4
FSA 2301	40.0	80.0	73.3	26.7	33.3	1.7	42.5
FLORATAM	33.3	76.7	80.0	10.0	22.7	0.0	37.1
LSD VALUE	13.5	11.1	16.1	37.1	12.6	4.9	7.7
C.V. (%)	14.7	7.9	13.2	52.4	11.9	155.8	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 14. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2024 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	FL5	MS1	NC1	MEAN
XSA 11513	95.0	96.0	98.7	96.6
DALSA 2301	93.3	96.0	99.0	96.1
XSA 12155	93.0	99.0	95.3	95.8
XSA 11027	91.7	96.0	97.3	95.0
COBALT	85.0	99.0	97.7	93.9
XSA 11026	90.0	92.7	98.7	93.8
DALSA 1914	86.7	92.7	99.0	92.8
FSA 1617	83.3	96.0	97.7	92.3
FSA 1627	86.7	92.7	96.0	91.8
DALSA 1910	85.0	99.0	91.3	91.8
FSA 2026	78.3	99.0	96.0	91.1
PALMETTO	78.3	96.0	98.3	90.9
RALEIGH	76.7	99.0	94.3	90.0
FSA 2022	68.3	99.0	98.3	88.6
FSA 2013	80.0	89.3	91.7	87.0
FSA 2301	75.0	96.0	85.0	85.3
FSA 1907	86.7	56.7	89.0	77.4
FLORATAM	76.7	79.7	75.0	77.1
FSA 2012	71.7	56.7	91.0	73.1
LSD VALUE	9.9	17.9	8.5	7.4
C.V. (%)	7.4	12.2	5.6	8.9

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 15. PERCENT LIVING GROUND COVER (FALL) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2024 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/					
NAME	FL5	MS1	NC1	OK1	MEAN
FSA 2013	97.7	99.0	99.0	96.0	97.9
FSA 1617	99.0	99.0	99.0	94.3	97.8
XSA 11026	99.0	99.0	99.0	93.3	97.6
XSA 11027	99.0	99.0	99.0	93.3	97.6
XSA 11513	99.0	99.0	99.0	93.3	97.6
XSA 12155	99.0	99.0	99.0	93.3	97.6
RALEIGH	99.0	99.0	98.3	93.3	97.4
FSA 1627	97.7	99.0	99.0	93.3	97.3
FLORATAM	94.7	99.0	98.0	95.0	96.7
PALMETTO	96.3	99.0	99.0	90.0	96.1
FSA 2301	94.7	99.0	96.0	91.0	95.2
DALSA 1910	91.3	99.0	99.0	91.0	95.1
FSA 2026	97.7	99.0	99.0	83.3	94.8
DALSA 1914	97.7	99.0	99.0	80.0	93.9
COBALT	99.0	99.0	99.0	78.3	93.8
FSA 2022	93.3	99.0	99.0	80.0	92.8
FSA 1907	97.7	89.3	99.0	80.0	91.5
DALSA 2301	97.7	99.0	77.7	83.3	89.4
FSA 2012	90.0	82.7	99.0	75.0	86.7
LSD VALUE	5.4	12.1	13.7	9.6	5.3
C.V. (%)	3.4	7.7	8.7	6.8	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 16.

PERCENT WINTER KILL RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2024 DATA

PERCENT WINTER KILL RATINGS: LOCATIONS 2/

NAME	OK1
COBALT	99.0
DALSA 1910	99.0
DALSA 2301	99.0
FLORATAM	99.0
FSA 1907	99.0
FSA 2012	99.0
FSA 2013	99.0
FSA 2022	99.0
XSA 11026	99.0
DALSA 1914	98.7
XSA 11513	98.7
XSA 12155	98.7
FSA 1617	98.3
FSA 1627	98.3
FSA 2026	98.3
XSA 11027	98.3
FSA 2301	97.7
PALMETTO	92.0
RALEIGH	84.0
LSD VALUE	4.7
C.V. (%)	3.0

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

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

TABLE 17. BROWN PATCH (WARM TEMPERATURE) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2024 DATA

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

NAME	MS1
DALSA 2301	9.0
XSA 11513	9.0
XSA 12155	9.0
COBALT	8.7
DALSA 1910	8.7
DALSA 1914	8.7
FSA 1627	8.7
FSA 1617	8.3
XSA 11027	8.3
FSA 1907	7.7
FSA 2013	7.7
XSA 11026	7.3
FSA 2301	7.0
PALMETTO	7.0
FLORATAM	6.7
FSA 2022	6.7
RALEIGH	6.7
FSA 2012	6.3
FSA 2026	6.0
LSD VALUE	3.7
C.V. (%)	29.9

- 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 18.

GRAY LEAF SPOT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2024 DATA

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

NAME	NC1	TX2	MEAN
XSA 11026	9.0	9.0	9.0
XSA 11513	9.0	8.3	8.7
FSA 2026	8.7	8.3	8.5
COBALT	9.0	7.7	8.3
DALSA 1910	9.0	7.7	8.3
FSA 2012	8.0	8.3	8.2
XSA 11027	9.0	7.3	8.2
DALSA 2301	9.0	7.0	8.0
FSA 1907	9.0	6.7	7.8
FSA 1617	8.0	7.0	7.5
FSA 1627	9.0	6.0	7.5
XSA 12155	9.0	6.0	7.5
PALMETTO	8.7	6.0	7.3
DALSA 1914	9.0	5.3	7.2
FSA 2013	9.0	5.3	7.2
FSA 2022	9.0	5.0	7.0
RALEIGH	9.0	5.0	7.0
FSA 2301	5.3	5.3	5.3
FLORATAM	6.0	3.3	4.7
LSD VALUE	0.7	3.3	1.7
C.V. (%)	5.4	31.6	19.9

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

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

TABLE 19.

FALL COLOR (SEPTEMBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2024 DATA

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

NAME	GA1	NC1	MEAN
FSA 1907	7.0	9.0	8.0
COBALT	7.7	8.0	7.8
FLORATAM	7.0	8.7	7.8
FSA 1617	7.0	8.3	7.7
DALSA 1910	7.0	8.0	7.5
DALSA 1914	7.0	8.0	7.5
FSA 1627	7.0	8.0	7.5
FSA 2012	6.7	8.3	7.5
FSA 2301	7.0	8.0	7.5
XSA 11026	7.0	8.0	7.5
XSA 12155	7.3	7.7	7.5
DALSA 2301	7.0	7.7	7.3
FSA 2022	7.0	7.7	7.3
FSA 2026	7.0	7.7	7.3
XSA 11027	7.0	7.7	7.3
RALEIGH	7.0	7.3	7.2
FSA 2013	7.0	7.0	7.0
PALMETTO	7.0	7.0	7.0
XSA 11513	7.0	7.0	7.0
LSD VALUE	0.5	0.6	0.4
C.V. (%)	4.6	5.1	4.9

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 20.

FALL COLOR (OCTOBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2024 DATA

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

NAME	GA1	NC1	MEAN
FSA 1907	7.0	9.0	8.0
DALSA 1910	7.0	8.0	7.5
FSA 1617	7.0	8.0	7.5
FSA 2012	6.7	8.3	7.5
FSA 2022	7.0	8.0	7.5
FSA 2026	7.0	8.0	7.5
XSA 11026	7.0	8.0	7.5
COBALT	7.0	7.7	7.3
DALSA 1914	6.7	8.0	7.3
DALSA 2301	7.0	7.7	7.3
FSA 1627	6.7	8.0	7.3
XSA 11027	7.0	7.3	7.2
FSA 2301	7.0	7.0	7.0
PALMETTO	6.7	7.3	7.0
RALEIGH	7.0	7.0	7.0
XSA 12155	7.0	7.0	7.0
FSA 2013	7.0	6.7	6.8
XSA 11513	7.0	6.7	6.8
FLORATAM	6.3	6.7	6.5
LSD VALUE	0.5	1.0	0.6
C.V. (%)	4.3	8.4	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 21.

FALL COLOR (NOVEMBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2024 DATA

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

NAME	MS1	NC1	MEAN
FSA 1907	7.0	7.7	7.3
DALSA 1914	6.3	7.3	6.8
COBALT	6.3	6.3	6.3
DALSA 1910	6.3	6.0	6.2
FSA 1617	6.3	6.0	6.2
FSA 2012	6.3	6.0	6.2
FSA 2026	6.3	5.7	6.0
FSA 2301	6.7	5.3	6.0
XSA 11026	6.3	5.7	6.0
XSA 11027	6.3	5.7	6.0
FLORATAM	6.0	5.7	5.8
PALMETTO	6.3	5.3	5.8
FSA 2013	6.3	4.7	5.5
DALSA 2301	6.0	4.7	5.3
FSA 1627	6.0	4.7	5.3
XSA 11513	6.3	4.3	5.3
FSA 2022	6.0	4.3	5.2
XSA 12155	6.0	4.3	5.2
RALEIGH	6.0	4.0	5.0
LSD VALUE	0.7	1.5	0.8
C.V. (%)	7.3	16.8	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 22.

SEEDHEAD RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2024 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	MS1	NC1	MEAN
DALSA 2301	8.7	8.0	8.3
DALSA 1910	9.0	7.3	8.2
FSA 1627	8.3	7.7	8.0
FSA 2013	9.0	7.0	8.0
XSA 12155	8.3	7.7	8.0
DALSA 1914	9.0	6.7	7.8
FLORATAM	8.3	7.3	7.8
FSA 2022	9.0	6.7	7.8
XSA 11027	8.7	6.3	7.5
FSA 2012	8.0	6.7	7.3
COBALT	8.7	6.0	7.3
FSA 2026	8.7	6.0	7.3
XSA 11026	8.7	6.0	7.3
PALMETTO	8.3	6.0	7.2
XSA 11513	7.7	6.7	7.2
RALEIGH	8.0	6.3	7.2
FSA 2301	7.0	7.0	7.0
FSA 1617	6.7	6.3	6.5
FSA 1907	5.7	6.0	5.8
LSD VALUE	2.1	0.7	1.1
C.V. (%)	15.6	6.5	12.8

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

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

TABLE 23.

SEEDHEAD RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
AT RALEIGH, NC 1/
2024 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	SEEDHEAD	SDHDAUG	SDHDMEAN
FSA 1617	6.3	6.7	6.5
PALMETTO	6.0	7.7	6.8
XSA 11026	6.0	7.7	6.8
FSA 1907	6.0	8.0	7.0
FSA 2012	6.7	7.3	7.0
FSA 2026	6.0	8.0	7.0
XSA 11513	6.7	7.3	7.0
FSA 2301	7.0	7.3	7.2
RALEIGH	6.3	8.0	7.2
XSA 11027	6.3	8.0	7.2
COBALT	6.0	8.7	7.3
DALSA 1914	6.7	8.3	7.5
FSA 1627	7.7	7.7	7.7
FSA 2022	6.7	8.7	7.7
FSA 2013	7.0	8.7	7.8
DALSA 1910	7.3	9.0	8.2
FLORATAM	7.3	9.0	8.2
XSA 12155	7.7	8.7	8.2
DALSA 2301	8.0	9.0	8.5
LSD VALUE	0.7	1.0	0.6
C.V. (%)	6.2	7.0	5.0

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.

LARGE PATCH DISEASE RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
AT RALEIGH, NC 1/
2024 DATA

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

NAME	AUGUST	OCTOBER	NOVEMBER	MEAN
COBALT	9.0	9.0	9.0	9.0
DALSA 1910	9.0	9.0	9.0	9.0
FSA 1617	9.0	9.0	9.0	9.0
FSA 1907	9.0	9.0	9.0	9.0
FSA 2012	9.0	9.0	9.0	9.0
FSA 2013	9.0	9.0	9.0	9.0
XSA 12155	9.0	9.0	9.0	9.0
DALSA 1914	9.0	8.7	9.0	8.9
PALMETTO	9.0	8.7	9.0	8.9
XSA 11026	8.7	9.0	9.0	8.9
XSA 11027	9.0	8.7	9.0	8.9
XSA 11513	9.0	8.3	9.0	8.8
FSA 2022	9.0	8.0	9.0	8.7
FSA 2026	9.0	9.0	8.0	8.7
RALEIGH	9.0	7.0	9.0	8.3
FLORATAM	9.0	6.3	9.0	8.1
FSA 1627	9.0	8.3	6.7	8.0
FSA 2301	9.0	5.7	9.0	7.9
DALSA 2301	7.7	6.7	9.0	7.8
LSD VALUE	1.6	2.3	3.1	1.7
C.V. (%)	6.2	13.9	11.5	7.3

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

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

TABLE 25.

ESTABLISHMENT AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
AT STILLWATER, OK 2/
2024 DATA

2024 DATA													
NAME	PERCENT GROUND COVER		PERCENT	PERCENT ESTABLISHMENT		ESTABLISHMENT RATINGS 1-9 (9=FULL COVERAGE)						10/2	MEAN
	SPRING	FALL	WINTER KILL	10/16	10/22	MEAN	7/26	8/12	8/22	9/6			
FLORATAM	0.0	95.0	99.0	44.3	53.3	48.8	2.0	4.0	4.0	7.3	8.0	5.1	
FSA 2013	0.0	96.0	99.0	45.0	48.3	46.7	2.3	4.0	4.0	7.0	8.0	5.1	
XSA 11026	0.3	93.3	99.0	46.0	56.7	51.3	2.7	3.7	3.7	6.3	8.0	4.9	
XSA 11513	0.7	93.3	98.7	38.3	41.7	40.0	2.3	3.3	4.3	6.7	8.0	4.9	
XSA 12155	0.7	93.3	98.7	36.0	48.3	42.2	2.0	3.3	4.0	7.0	8.0	4.9	
DALSA 1910	0.0	91.0	99.0	36.0	35.0	35.5	3.0	3.3	3.3	5.7	8.0	4.7	
FSA 1627	1.3	93.3	98.3	39.3	41.7	40.5	2.0	3.7	3.3	6.7	7.7	4.7	
FSA 1617	1.3	94.3	98.3	33.3	40.0	36.7	2.3	3.0	3.7	6.0	8.0	4.6	
PALMETTO	13.3	90.0	92.0	36.0	43.3	39.7	2.0	3.3	3.3	6.7	7.7	4.6	
RALEIGH	15.0	93.3	84.0	33.7	36.7	35.2	2.0	3.3	3.3	5.7	8.0	4.5	
XSA 11027	1.0	93.3	98.3	34.3	41.7	38.0	2.0	3.3	4.0	5.0	8.0	4.5	
DALSA 2301	0.0	83.3	99.0	40.0	43.3	41.7	2.3	3.7	3.7	5.3	7.0	4.4	
FSA 2301	1.7	91.0	97.7	36.0	40.0	38.0	2.0	3.7	3.3	5.3	7.7	4.4	
FSA 2026	1.3	83.3	98.3	31.0	30.0	30.5	2.7	3.0	3.0	4.3	7.0	4.0	
COBALT	0.0	78.3	99.0	32.7	26.7	29.7	2.0	3.0	3.0	4.0	6.7	3.7	
DALSA 1914	0.7	80.0	98.7	34.3	33.3	33.8	2.3	3.0	2.7	3.7	7.0	3.7	
FSA 1907	0.0	80.0	99.0	33.3	31.7	32.5	2.0	3.3	2.3	4.0	6.7	3.7	
FSA 2022	0.0	80.0	99.0	30.0	25.0	27.5	2.0	3.0	3.0	3.0	7.0	3.6	
FSA 2012	0.0	75.0	99.0	33.3	26.7	30.0	2.3	3.0	2.3	3.3	6.3	3.5	
LSD VALUE	5.0	10.2	5.0	15.2	19.7	14.7	0.9	1.6	1.9	2.3	0.9	0.8	
C.V. (%)	155.2	6.6	3.0	17.3	25.3	19.3	17.2	16.3	23.1	23.7	7.1	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.

3/ DUE TO WINTER KILL THIS SITE WAS REPLANTED 7/22/2024.

TABLE 26.

ESTABLISHMENT AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
AT STILLWATER, OK 1/
2023 DATA

NAME	PERCENT GROUND COVER FALL	ESTABLISHMENT SEPT 15	RATINGS OCT 2	MEAN
XSA 11027	96.3	6.0	8.0	7.0
FLORATAM	95.7	6.0	7.7	6.8
XSA 12155	96.3	5.7	8.0	6.8
FSA 2013	96.3	5.3	8.0	6.7
FSA 2026	96.0	4.0	8.0	6.0
FSA 2301	95.0	4.3	7.7	6.0
FSA 1627	95.3	4.0	7.7	5.8
XSA 11026	96.0	3.7	8.0	5.8
FSA 2012	94.7	3.3	8.0	5.7
DALSA 2301	95.7	3.3	7.7	5.5
FSA 1617	98.0	3.0	8.0	5.5
DALSA 1914	96.3	2.3	8.0	5.2
FSA 1907	95.0	2.3	8.0	5.2
RALEIGH	95.7	2.7	7.7	5.2
XSA 11513	96.0	2.7	7.7	5.2
DALSA 1910	95.7	2.0	8.0	5.0
COBALT	93.3	2.3	7.3	4.8
PALMETTO	95.7	2.0	7.7	4.8
FSA 2022	93.0	2.0	7.0	4.5
LSD VALUE	8.8	2.1	1.1	1.0
C.V. (%)	2.7	34.2	5.5	10.8

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 27.

PERCENT ESTABLISHMENT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
AT GAINESVILLE, FL 2/
2023-24 DATA

NAME	PERCENT ESTABLISHMENT RATINGS FROM AUGUST 2023-APRIL 2024									
	AUG 2023	SEPT 2023	OCT 2023	NOV 2023	DEC 2023	JAN 2024	FEB 2024	MAR 2024	APR 2024	MEAN
XSA 11513	36.7	55.0	66.7	60.0	80.0	83.3	83.0	83.0	86.3	71.8
FSA 2026	40.0	63.3	73.3	80.0	83.3	83.3	71.7	71.7	73.3	71.5
XSA 11027	38.3	43.3	50.0	63.3	76.7	80.0	73.3	73.3	86.7	66.3
DALSA 1910	33.3	50.0	60.0	63.3	76.7	80.0	70.0	70.0	80.0	65.8
XSA 11026	40.0	45.0	53.3	60.0	73.3	73.3	73.3	75.0	86.3	65.7
DALSA 2301	33.3	50.0	66.7	70.0	76.7	80.0	63.3	63.3	73.3	64.7
FSA 2012	33.3	43.3	56.7	63.3	76.7	80.0	76.7	70.0	70.0	64.4
DALSA 1914	36.7	50.0	60.0	66.7	73.3	80.0	66.7	63.3	73.3	64.1
FSA 2022	40.0	46.7	56.7	63.3	70.0	73.3	70.0	66.7	73.3	63.1
COBALT	28.3	43.3	56.7	56.7	63.3	63.3	63.3	63.3	76.7	58.2
FSA 1627	33.3	46.7	53.3	56.7	63.3	66.7	60.0	60.0	73.3	57.8
XSA 12155	36.7	43.3	53.3	56.7	66.7	66.7	60.0	60.0	63.3	56.9
FSA 1617	36.7	33.3	46.7	50.0	56.7	63.3	60.0	60.0	70.0	54.0
FSA 2013	33.3	40.0	43.3	50.0	60.0	66.7	60.0	60.0	60.0	53.5
PALMETTO	36.7	40.0	50.0	53.3	56.7	60.0	50.0	50.0	63.3	51.6
FSA 1907	28.3	38.3	43.3	46.7	50.0	53.3	56.7	56.7	66.7	49.8
FSA 2301	33.3	36.7	43.3	46.7	50.0	56.7	46.7	46.7	43.3	45.2
FLORATAM	31.7	31.7	33.3	40.0	53.3	53.3	50.0	46.7	46.7	43.6
RALEIGH	31.7	35.0	38.3	43.3	46.7	50.0	43.3	43.3	46.7	42.4
LSD VALUE	15.0	11.8	13.1	12.1	20.5	18.2	27.1	28.7	21.9	14.5
C.V. (%)	15.9	15.4	14.8	12.8	16.9	14.8	20.2	21.0	17.6	20.4

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 28.

PERCENT ESTABLISHMENT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
 AT JAY, FL 2/
 2023-24 DATA

NAME	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	MARCH	APRIL	MAY	JUNE	JULY	MEAN
FSA 2013	21.7	30.0	46.7	50.0	86.7	96.3	99.0	99.0	99.0	66.5
FSA 2022	25.0	36.7	46.7	50.0	76.7	91.7	99.0	99.0	99.0	66.3
XSA 11513	18.3	30.0	46.7	51.7	85.0	94.7	99.0	99.0	99.0	66.0
XSA 11027	20.0	33.3	45.0	51.7	75.0	88.3	99.0	99.0	99.0	64.8
DALSA 1910	23.3	41.7	50.0	55.0	61.7	78.3	95.0	99.0	99.0	64.6
FSA 1627	20.0	33.3	46.7	48.3	61.7	81.7	96.0	97.7	99.0	62.1
FSA 2012	28.3	36.7	56.7	58.3	41.7	65.0	88.3	94.7	99.0	61.4
FSA 2026	18.3	28.3	41.7	41.7	70.0	85.0	97.7	97.7	99.0	61.2
PALMETTO	16.7	23.3	40.0	48.3	63.3	85.0	97.7	99.0	99.0	60.4
XSA 11026	15.0	23.3	33.3	36.7	75.0	86.7	96.0	97.7	99.0	59.0
DALSA 1914	15.0	23.3	36.7	38.3	63.3	83.3	97.7	99.0	99.0	58.4
DALSA 2301	15.0	26.7	38.3	38.3	63.3	85.0	92.7	96.0	99.0	58.4
RALEIGH	18.3	26.7	43.3	46.7	45.0	73.3	94.7	97.7	99.0	57.8
FSA 1907	18.3	31.7	41.7	41.7	50.0	73.3	91.7	96.0	97.7	57.5
XSA 12155	11.7	20.0	26.7	26.7	76.7	90.0	97.7	99.0	99.0	56.9
FSA 1617	11.7	16.7	30.0	36.7	65.0	86.7	96.0	97.7	99.0	56.3
FLORATAM	16.7	21.7	33.3	33.3	58.3	76.7	97.7	99.0	99.0	56.2
COBALT	10.0	13.3	23.3	25.0	78.3	93.0	96.0	97.7	99.0	55.4
FSA 2301	15.0	21.7	33.3	31.7	43.3	71.7	94.7	96.3	99.0	53.2
LSD VALUE	13.9	20.7	29.8	28.5	11.6	9.5	9.6	6.3	1.6	104.9
C.V. (%)	34.0	33.9	30.1	29.2	11.4	7.0	4.1	2.2	0.5	53.8

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 29. PERCENT ESTABLISHMENT AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
AT FORT LAUDERDALE, FL 2/
2023 DATA

NAME	FALL DENSITY	PERCENT ESTABLISHMENT
XSA 12155	8.7	97.7
COBALT	8.3	97.3
PALMETTO	8.7	96.7
DALSA 2301	8.7	95.7
FSA 2022	8.3	94.7
XSA 11026	8.3	94.7
XSA 11027	8.7	94.7
DALSA 1914	8.7	94.3
FSA 1627	8.0	92.3
FSA 1617	7.7	90.7
FSA 2013	8.0	90.0
FSA 2026	8.0	90.0
FSA 1907	8.0	88.3
RALEIGH	8.0	88.3
DALSA 1910	7.7	86.7
FSA 2301	8.0	86.7
FLORATAM	7.7	81.7
FSA 2012	6.7	70.0
XSA 11513	8.7	68.0
LSD VALUE	1.0	31.9
C.V. (%)	6.3	13.8

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

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

TABLE 30.

PERCENT ESTABLISHMENT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
 AT MISS. ST., MS 2/
 2023 DATA

NAME	SEPTEMBER	OCTOBER	MEAN
FSA 2013	50.0	89.7	69.8
FSA 1617	53.3	83.3	68.3
XSA 11513	50.0	86.3	68.2
XSA 12155	46.7	89.7	68.2
XSA 11026	43.3	86.3	64.8
FSA 2022	40.0	83.3	61.7
FSA 2026	40.0	83.3	61.7
DALSA 2301	40.0	83.0	61.5
FSA 2301	41.7	80.0	60.8
DALSA 1914	40.0	73.3	56.7
COBALT	40.0	70.0	55.0
XSA 11027	33.3	76.7	55.0
PALMETTO	36.7	70.0	53.3
FLORATAM	36.7	66.7	51.7
DALSA 1910	33.3	66.7	50.0
FSA 1627	30.0	66.7	48.3
FSA 1907	33.3	63.3	48.3
RALEIGH	26.7	56.7	41.7
FSA 2012	23.3	53.3	38.3
LSD VALUE	18.3	13.6	13.0
C.V. (%)	23.1	11.0	13.4

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 31.

PERCENT ESTABLISHMENT AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
AT RALEIGH, NC 1/
2023 DATA

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

NAME	COLOR NOVEMBER	PERCENT ESTABLISHMENT JULY 13	FROM JULY-OCTOBER AUG 1	SEPT 22	OCT 9	MEAN
DALSA 1914	4.0	15.0	20.0	94.0	94.0	55.8
XSA 11026	3.7	10.0	13.3	95.7	97.0	54.0
XSA 11513	2.7	9.0	15.0	94.7	97.3	54.0
PALMETTO	3.3	10.0	15.0	92.3	96.7	53.5
FSA 1627	3.0	10.0	11.7	93.3	94.3	52.3
XSA 11027	3.7	11.7	11.7	90.0	95.7	52.3
FSA 2026	2.3	9.0	11.7	93.0	94.0	51.9
FSA 2022	2.0	13.3	13.3	89.0	89.7	51.3
XSA 12155	4.0	10.0	13.3	90.7	91.3	51.3
RALEIGH	2.0	10.7	15.3	86.7	91.7	51.1
DALSA 2301	3.0	10.7	16.7	87.3	88.3	50.8
FSA 2013	3.3	10.0	11.7	88.3	92.3	50.6
FLORATAM	3.3	7.0	11.7	89.3	90.7	49.7
FSA 2012	3.0	10.7	13.3	86.7	85.0	48.9
FSA 1617	3.3	8.0	11.7	86.7	88.3	48.7
FSA 1907	3.3	10.0	11.7	83.3	87.3	48.1
COBALT	3.3	9.0	13.3	83.3	81.7	46.8
DALSA 1910	3.0	10.0	10.0	80.0	83.3	45.8
FSA 2301	1.3	11.7	15.0	71.7	80.0	44.6
LSD VALUE	1.0	3.9	10.5	12.9	9.8	6.3
C.V. (%)	18.7	19.1	28.1	7.3	5.8	6.3

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 32.

PERCENT ESTABLISHMENT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
 AT RALEIGH (SOD), NC 1/
 2023 DATA 2/

NAME	SEPTEMBER	NOVEMBER	MEAN
XSA 11026	53.3	71.7	62.5
XSA 12155	51.7	65.0	58.3
FSA 2013	46.7	66.7	56.7
COBALT	45.0	66.7	55.8
FSA 2022	45.0	66.7	55.8
XSA 11027	48.3	63.3	55.8
DALSA 2301	43.3	66.7	55.0
FSA 2026	41.7	68.3	55.0
XSA 11513	43.3	65.0	54.2
DALSA 1914	35.0	68.3	51.7
FSA 2301	36.7	66.7	51.7
DALSA 1910	36.7	63.3	50.0
FSA 1627	38.3	60.0	49.2
FSA 1907	36.7	61.7	49.2
FLORATAM	31.7	63.3	47.5
FSA 2012	33.3	58.3	45.8
RALEIGH	31.7	60.0	45.8
PALMETTO	31.7	58.3	45.0
FSA 1617	25.0	61.7	43.3
LSD VALUE	14.0	23.0	16.4
C.V. (%)	19.0	11.2	13.4

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 33.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
AT DALLAS, TX 1/
2023 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	LEAF SPOT	COLOR DECEMBER	AUG 21	PERCENT ESTABLISHMENT SEPT 11	SEPT 25	AUGUST-DECEMBER 2023 OCT 16	NOV 16	DEC 1	AUG	QUALITY RATINGS				MEAN
												SEP	OCT	NOV		
COBALT	8.3	3.0	6.0	4.3	30.0	51.7	80.0	90.0	91.7	94.3	7.3	7.3	8.0	6.3		7.3
FSA 1907	8.7	3.0	6.0	4.7	20.0	35.0	58.3	70.0	78.0	79.7	7.7	7.7	8.0	5.7		7.3
DALSA 1910	7.3	5.7	5.0	3.7	21.7	45.0	76.7	91.3	94.7	96.3	7.0	6.3	8.0	5.7		6.8
FSA 2301	8.0	4.7	5.3	4.0	28.3	55.0	85.0	94.7	94.7	96.0	6.7	6.7	8.0	5.7		6.8
XSA 11026	7.3	4.7	5.0	4.0	30.0	51.7	78.3	91.3	91.3	93.0	7.3	6.7	8.3	5.0		6.8
XSA 11027	7.7	4.7	5.0	4.0	26.7	51.7	85.0	96.3	97.7	97.7	7.0	7.0	7.7	5.7		6.8
DALSA 2301	7.3	4.3	4.7	4.7	25.0	53.3	80.0	91.3	92.7	94.3	7.0	6.0	7.7	6.0		6.7
FSA 2012	7.7	4.3	5.7	3.7	23.3	40.0	65.0	83.3	85.0	90.0	7.0	6.7	7.0	4.7		6.3
FSA 1617	6.3	5.7	3.3	3.0	16.7	45.0	70.0	88.0	86.3	93.0	6.7	6.3	7.0	4.7		6.2
FSA 2026	7.7	6.0	4.0	3.0	15.0	36.7	60.0	75.0	81.7	80.0	6.3	6.3	7.3	4.7		6.2
PALMETTO	7.0	5.3	3.7	3.7	16.7	36.7	66.7	81.7	88.0	92.7	6.7	6.0	7.0	5.0		6.2
XSA 12155	6.3	6.0	3.3	3.3	26.7	46.7	66.7	76.3	84.7	84.7	7.3	6.7	6.3	4.3		6.2
FSA 2022	8.0	6.0	3.0	2.3	18.3	35.0	63.3	83.3	90.0	91.3	6.7	6.0	7.3	4.3		6.1
DALSA 1914	7.3	5.0	6.3	4.0	16.7	43.3	71.7	88.3	93.0	97.7	6.0	5.3	7.3	5.3		6.0
FSA 2013	7.0	4.3	4.3	2.7	20.0	48.3	80.0	94.7	93.0	97.7	6.0	6.3	7.3	4.3		6.0
XSA 11513	6.3	6.0	3.3	3.0	20.0	46.7	81.7	93.0	93.0	94.7	6.7	6.3	6.7	4.0		5.9
FSA 1627	6.3	5.7	3.3	2.0	21.7	45.0	66.7	81.3	86.3	83.0	6.3	5.7	6.3	4.3		5.7
FLORATAM	6.3	4.3	3.3	3.3	20.0	50.0	85.0	93.0	96.0	97.7	5.7	5.0	6.7	4.0		5.3
RALEIGH	6.3	6.0	4.0	2.7	11.7	38.3	60.0	81.3	83.0	88.0	5.3	5.3	6.3	4.0		5.3
LSD VALUE	1.4	0.7	2.3	1.1	18.9	36.5	53.0	38.7	36.6	29.7	1.6	0.8	1.2	1.1		0.7
C.V. (%)	10.5	9.6	26.4	18.6	34.9	26.4	23.6	15.1	12.4	11.1	11.1	8.1	8.7	12.6		6.6

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 34. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
AT COLLEGE STATION, TX 1/
2023 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/								
NAME	GRAY LEAF SPOT	PERCENT ESTABLISHMENT SUMMER	FALL	AUG	OCT	NOV	DEC	MEAN
FLORATAM	9.0	26.7	25.0	6.0	5.7	6.3	6.3	6.1
FSA 2012	9.0	18.3	26.7	5.3	5.7	7.3	6.0	6.1
COBALT	9.0	30.0	35.0	6.0	5.3	6.3	6.3	6.0
FSA 2013	9.0	18.3	28.3	5.7	5.7	6.3	6.3	6.0
DALSA 2301	8.7	20.0	26.7	5.7	5.7	6.3	6.0	5.9
FSA 1617	9.0	35.0	43.3	5.3	6.0	6.0	6.3	5.9
XSA 11026	9.0	26.7	43.3	5.3	5.7	6.3	6.3	5.9
DALSA 1910	7.3	26.7	35.0	5.7	5.0	6.3	5.7	5.7
FSA 2301	9.0	21.7	26.7	5.0	5.7	6.3	5.7	5.7
PALMETTO	8.3	25.0	25.0	5.7	5.7	6.3	5.0	5.7
XSA 11027	9.0	21.7	28.3	5.0	5.3	5.7	6.0	5.5
XSA 11513	8.3	21.7	33.3	5.0	5.0	6.3	5.7	5.5
XSA 12155	9.0	26.7	36.7	5.0	5.0	5.3	6.3	5.4
FSA 1627	9.0	10.0	16.7	4.3	5.3	6.0	5.3	5.3
RALEIGH	7.7	28.3	45.0	5.0	4.7	6.0	5.3	5.3
DALSA 1914	8.7	26.7	31.7	5.0	4.7	5.7	5.3	5.2
FSA 1907	9.0	13.3	16.7	4.3	4.0	6.7	5.7	5.2
FSA 2022	8.0	13.3	18.3	4.7	5.0	5.7	5.3	5.2
FSA 2026	9.0	18.3	23.3	4.7	5.0	6.0	5.0	5.2
LSD VALUE	1.6	11.5	16.9	1.8	1.5	2.1	1.7	1.0
C.V. (%)	7.9	27.6	29.8	14.0	12.2	11.7	11.8	7.8

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 34. PERCENT ESTABLISHMENT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
(CONT'D) AT COLLEGE STATION, TX 2/
2024 DATA

NAME	SPRING	SUMMER	FALL	MEAN
XSA 11026	45.0	81.7	97.3	74.7
FSA 1617	43.3	78.3	97.3	73.0
RALEIGH	45.0	75.0	97.7	72.6
FSA 2013	28.3	83.3	98.7	70.1
XSA 11513	33.3	76.7	94.0	68.0
DALSA 1910	35.0	75.0	92.7	67.6
FLORATAM	25.0	81.7	96.0	67.6
COBALT	36.7	68.3	89.3	64.8
FSA 2301	26.7	73.3	88.0	62.7
XSA 11027	28.3	70.0	89.3	62.6
DALSA 1914	31.7	65.0	89.7	62.1
XSA 12155	36.7	68.3	74.7	59.9
DALSA 2301	26.7	60.0	76.7	54.4
PALMETTO	25.0	50.0	83.3	52.8
FSA 2012	26.7	40.0	76.7	47.8
FSA 1627	16.7	41.7	80.0	46.1
FSA 2026	23.3	38.3	63.3	41.7
FSA 1907	16.7	28.3	60.0	35.0
FSA 2022	18.3	21.7	43.3	27.8
LSD VALUE	17.3	25.6	42.7	22.7
C.V. (%)	30.3	24.6	22.8	21.6

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.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR ST. AUGUSTINEGRASS CULTIVARS
2024 DATA

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

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
COBALT	6.4	22.2
DALSA 1910	6.2	0.0
DALSA 1914	6.5	33.3
DALSA 2301	6.4	11.1
FLORATAM	5.3	11.1
FSA 1617	6.1	22.2
FSA 1627	6.1	11.1
FSA 1907	6.1	33.3
FSA 2012	5.7	11.1
FSA 2013	5.8	0.0
FSA 2022	5.8	11.1
FSA 2026	6.3	22.2
FSA 2301	5.4	0.0
PALMETTO	6.1	22.2
RALEIGH	5.6	0.0
XSA 11026	6.4	33.3
XSA 11027	6.4	22.2
XSA 11513	6.6	33.3
XSA 12155	6.3	22.2
LSD VALUE	0.3	
C.V. (%)	8.2	

- */ 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.