NATIONAL TURFGRASS EVALUATION PROGRAM

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

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

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

Executive Director - Kevin N. Morris, National Turfgrass Evaluation Program, Inc.

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Mr. Micah Gould, Barenbrug USA.
Dr. Cole Thompson, USGA Green Section
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Dr. Chas Schmid, Oregon State University
Dr. Casey Reynolds, Turfgrass Producers International
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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 2025

State	Location	Code
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)	NC6
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	Floratam	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 2026 or any other country

TABLE A. 2025 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	-	-	-	-	-	-	-	-
FL3	-	-	-	-	-	-	-	-
FL5	-	-	-	-	-	FULL SUN	1.6-2.0	-
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	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
NC6	SILTY CLAY LOAM	6.1-6.5	61-150	0-150	2.1-3.0	FULL SUN	2.6-3.0	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	3.1-3.5	ONLY DURING SEVERE STRESS
TX2	SILTY CLAY LOAM	-	-	-	-	FULL SUN	2.6-3.0	TO PREVENT STRESS

TABLE B. LOCATIONS AND DATA COLLECTED IN 2025

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	X	X	X	X
FL3			X	X	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						X	X	X	X	X		
OK1					X	X	X	X	X	X	X	
TX1					X		X					
TX2	X	X	X	X	X	X	X	X	X	X	X	X

TABLE B. LOCATIONS AND DATA COLLECTED IN 2025
(CONT'D)

LOCATION	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	PERCENT WINTER KILL	DROUGHT TOLERANCE DORMANCY	DROUGHT TOLERANCE RECOVERY	GRAY LEAF SPOT
FL1	X	X	X					X					
FL3	X	X	X				X						
FL5				X	X	X	X	X	X				
GA1	X	X											
MS1		X					X	X					
NC1	X	X	X		X	X	X	X	X				X
NC6	X	X											X
OK1	X	X	X		X	X	X	X	X	X			
TX1	X	X	X	X	X	X	X					X	X
TX2		X					X	X	X		X		

TABLE B. LOCATIONS AND DATA COLLECTED IN 2025
(CONT'D)

LOCATION	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	SEEDHEAD RATINGS	PERCENT TAKE-ALL ROOT ROT	YELLOW TUFT	GRAY LEAF SPOT RATINGS JULY	AUG	SEP	OCT	SEEDHEAD RATINGS JUNE	JULY	AUG	SEP
FL1															
FL3															
FL5															
GA1	X	X													
MS1			X												
NC1		X	X		X			X	X	X	X	X	X	X	X
* NC6	X	X													
OK1		X													
* TX1			X		X		X								
TX2				X		X									

TABLE 1. TURFGRASS QUALITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
GROWN IN LOCATION PERFORMANCE INDEX (LPI) GROUP 1 **/
2025 DATA

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

NAME	# Entry	NC1	GA1	FL3	MS1	MEAN
DALSA 1914	16	7.6	7.2	7.5	5.5	7.0
*COBALT	17	7.3	7.0	7.3	5.4	6.7
DALSA 2301	15	6.8	7.1	6.8	5.2	6.5
DALSA 1910	18	6.8	6.9	6.9	5.2	6.4
*PALMETTO	19	6.6	7.2	6.8	5.1	6.4
FSA 2026	11	6.5	6.8	6.9	5.3	6.4
FSA 1627	12	6.5	6.9	6.8	5.2	6.4
XSA 11027	3	6.5	6.7	6.7	5.4	6.3
XSA 11026	1	6.5	6.7	6.6	5.4	6.3
FSA 2301	5	6.5	6.8	6.6	5.2	6.3
FSA 1617	10	6.2	7.0	6.6	5.1	6.2
FSA 1907	8	6.2	6.9	6.7	5.1	6.2
FSA 2012	9	6.0	6.8	7.0	4.9	6.2
*RALEIGH	14	6.4	6.9	6.5	4.8	6.2
XSA 12155	2	5.8	6.9	6.3	5.4	6.1
XSA 11513	4	5.8	7.0	6.2	5.3	6.1
FSA 2013	7	5.4	7.0	6.1	4.8	5.8
*FLORATAM	13	5.3	7.1	6.2	4.7	5.8
FSA 2022	6	4.9	7.0	6.0	5.3	5.8
LSD VALUE		0.7	0.7	0.7	0.7	0.7
C.V. (%)		6.9	6.3	6.6	8.4	7.0

*/ COMMERCIALLY AVAILABLE IN THE USA IN 2026

**/ 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 */
2025 DATA

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

NAME	# Entry	FL5	TX2	OK1	MEAN
XSA 11513	4	7.0	5.0	6.7	6.2
DALSA 2301	15	6.3	5.6	6.5	6.1
PALMETTO	19	6.1	5.5	6.5	6.0
COBALT	17	6.5	5.5	5.9	5.9
RALEIGH	14	5.8	5.4	6.6	5.9
DALSA 1914	16	6.0	5.3	6.4	5.9
FSA 2301	5	6.5	4.9	6.1	5.8
XSA 11026	1	7.0	4.6	5.7	5.8
FSA 1617	10	6.5	5.2	5.6	5.8
XSA 11027	3	7.1	4.7	5.4	5.7
DALSA 1910	18	6.1	5.0	5.9	5.7
FSA 1627	12	6.2	5.0	5.8	5.7
XSA 12155	2	6.6	4.2	6.2	5.7
FSA 2013	7	6.2	5.1	5.2	5.5
FLORATAM	13	6.4	5.6	4.4	5.4
FSA 1907	8	6.6	5.0	4.3	5.3
FSA 2026	11	6.2	4.4	4.8	5.1
FSA 2022	6	6.0	3.1	4.7	4.6
FSA 2012	9	6.4	4.9	2.1	4.4
LSD VALUE		0.7	0.7	0.7	0.7
C.V. (%)		6.8	8.9	7.9	7.8

*/ 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 GROWN FOR SOD STRENGTH EVALUATIONS AT JACKSON SPRING, NC 1/ 2025 DATA/

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

NAME	GENETIC COLOR	SPRING GREENUP	GRAY LEAF SPOT	COLOR SEPTEMBER	COLOR OCTOBER	QUALITY RATINGS JUN	JUL	AUG	SEP	OCT	MEAN
COBALT	8.0	4.3	8.7	7.7	7.7	7.7	8.0	8.0	7.7	7.7	7.8
DALSA 1910	6.0	3.3	7.0	7.0	7.0	5.7	6.3	7.3	7.0	7.0	6.7
DALSA 1914	6.7	3.7	8.0	8.0	7.0	6.7	6.3	7.3	7.0	6.3	6.7
DALSA 2301	7.0	4.0	8.7	8.0	8.0	6.3	7.3	7.7	8.0	7.7	7.4
FLORATAM	5.7	2.7	5.7	6.7	6.7	5.7	5.0	6.0	5.7	5.3	5.5
FSA 1617	5.3	3.0	8.0	7.3	7.3	4.7	5.3	6.3	7.0	7.0	6.1
FSA 1627	6.7	3.7	8.0	8.0	7.0	6.3	6.7	7.3	7.0	7.0	6.9
FSA 1907	7.0	3.0	8.7	8.0	8.0	6.7	7.0	8.0	8.0	8.0	7.5
FSA 2012	5.7	2.7	8.0	7.0	7.3	5.7	6.0	7.3	7.0	7.0	6.6
FSA 2013	5.0	2.3	7.7	7.0	7.0	4.7	5.7	7.0	6.3	6.7	6.1
FSA 2022	4.0	2.3	8.0	7.0	7.0	4.3	4.7	6.3	6.3	7.0	5.7
FSA 2026	5.7	3.0	8.3	7.7	7.0	5.7	6.0	7.0	7.3	7.0	6.6
FSA 2301	7.3	4.3	6.3	8.0	7.7	6.3	6.0	7.7	7.7	7.3	7.0
PALMETTO	6.7	5.0	8.3	7.3	6.7	6.7	6.7	7.0	7.3	6.3	6.8
RALEIGH	6.7	4.7	8.3	7.0	7.0	6.7	6.3	7.0	6.7	6.3	6.6
XSA 11026	6.3	2.7	8.0	7.3	7.3	5.7	6.3	7.3	7.3	7.0	6.7
XSA 11027	5.3	3.0	8.0	7.7	7.0	5.3	5.3	7.0	7.3	7.0	6.4
XSA 11513	6.0	3.0	8.0	7.0	7.0	5.7	6.0	6.7	7.0	6.3	6.3
XSA 12155	5.3	2.3	7.3	7.0	7.0	5.0	5.3	6.7	7.0	7.0	6.2
LSD VALUE	2.0	1.0	0.7	0.6	0.6	2.4	1.7	0.9	0.7	0.7	0.8
C.V. (%)	16.6	18.5	5.4	4.7	4.8	18.5	14.4	7.0	6.1	5.9	7.2

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

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

TABLE 3. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS GROWN FOR SOD STRENGTH EVALUATIONS AT JACKSON SPRING, NC 1/ 2025 DATA/

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

	RECOVERY PERCENTAGE DAYS AFTER FIRST SOD HARVEST MAY-OCTOBER						RECOVERY PERCENTAGE DAYS AFTER SECOND HARVEST MAY-OCTOBER					
NAME	316 DAYS MAY 8	350 DAYS JUNE 11	379 DAYS JULY 10	415 DAYS AUGUST 15	446 DAYS SEPT 15	476 DAYS OCTOBER 15	233 DAYS MAY 8	267 DAYS JUNE 11	296 DAYS JULY 10	332 DAYS AUGUST 15	363 DAYS SEPT 15	393 DAYS OCTOBER 15
COBALT	48.3	86.7	96.0	99.0	99.0	99.0	8.7	35.0	53.3	73.3	93.3	97.3
DALSA 1910	56.7	85.0	93.3	96.3	99.0	99.0	4.0	20.0	40.0	56.7	85.0	91.7
DALSA 1914	45.0	71.7	88.3	93.0	96.0	97.7	5.0	15.0	38.3	53.3	81.7	89.3
DALSA 2301	51.7	88.3	97.7	99.0	99.0	99.0	8.7	23.3	50.0	66.7	93.3	95.7
FLORATAM	46.7	75.0	79.7	91.3	96.3	99.0	2.3	16.7	28.3	53.3	76.7	86.7
FSA 1617	21.7	70.0	86.7	91.7	98.3	99.0	1.3	18.3	41.7	56.7	85.0	94.3
FSA 1627	46.7	83.3	93.3	99.0	99.0	99.0	4.0	28.3	50.0	70.0	91.7	97.3
FSA 1907	51.7	86.3	92.3	96.0	98.7	99.0	7.0	25.0	41.7	63.3	90.0	96.3
FSA 2012	46.7	80.0	88.3	96.0	98.7	99.0	3.0	15.0	26.7	50.0	76.7	86.7
FSA 2013	48.3	80.0	94.7	97.7	99.0	99.0	3.0	28.3	46.7	61.7	86.7	91.0
FSA 2022	28.3	70.0	83.3	94.3	98.7	99.0	0.7	10.0	21.7	45.0	76.7	90.0
FSA 2026	53.3	83.3	93.0	97.7	99.0	99.0	3.0	10.0	20.0	38.3	71.7	83.3
FSA 2301	51.7	91.7	98.7	99.0	99.0	99.0	7.7	45.0	61.7	73.3	96.3	98.7
PALMETTO	35.0	78.3	88.3	96.3	99.0	99.0	4.0	23.3	38.3	51.7	81.7	88.3
RALEIGH	35.0	73.3	84.7	93.0	97.7	99.0	3.3	23.3	41.7	56.7	86.7	91.3
XSA 11026	48.3	88.0	96.0	97.7	99.0	99.0	4.0	15.0	43.3	56.7	83.3	92.7
XSA 11027	35.0	71.7	85.0	93.3	98.3	99.0	3.0	25.0	43.3	60.0	86.7	96.0
XSA 11513	38.3	78.3	88.3	95.0	98.7	99.0	3.0	10.0	30.0	60.0	86.7	91.0
XSA 12155	23.3	66.7	81.7	86.3	91.3	94.7	3.0	13.3	23.3	40.0	66.7	73.3
LSD VALUE	31.9	25.2	19.4	11.5	4.5	2.3	3.2	16.8	24.7	16.2	15.4	14.2
C.V. (%)	32.0	13.0	8.8	4.9	2.2	1.2	45.9	42.8	32.0	15.9	9.6	7.6

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

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

TABLE 4. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS GROWN UNDER DROUGHT STRESS AT DALLAS, TX 1/
2025 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	DENSITY RATINGS SPRING	DENSITY RATINGS SUMMER	DENSITY RATINGS FALL	PERCENT GROUND COVER SPRING	PERCENT GROUND RECOVERY	QUALITY RATINGS MAY	QUALITY RATINGS JUL	QUALITY RATINGS MEAN
COBALT	6.7	3.7	4.0	5.3	8.3	7.0	86.7	5.3	5.7	8.7	7.2
XSA 11027	6.3	2.3	5.0	5.0	7.7	5.3	66.7	4.0	5.0	7.0	6.0
DALSA 1910	6.3	2.3	5.0	3.7	8.0	7.0	48.3	4.7	4.0	7.0	5.5
DALSA 2301	6.3	2.7	5.0	4.0	8.0	7.7	55.0	5.3	4.3	6.7	5.5
FLORATAM	6.0	2.7	5.0	4.0	6.7	5.0	65.0	4.3	4.7	6.3	5.5
FSA 1907	7.3	2.0	5.3	4.0	7.7	6.7	51.7	5.0	4.0	6.7	5.3
XSA 11026	6.3	2.3	5.3	4.7	7.3	5.7	63.3	4.7	4.3	6.3	5.3
FSA 1617	6.0	3.0	6.0	5.0	6.7	4.7	71.7	3.7	4.3	5.7	5.0
FSA 1627	5.3	3.0	5.7	4.0	7.0	5.7	65.0	3.7	4.3	5.7	5.0
FSA 2013	5.3	2.7	5.7	4.0	6.7	4.7	60.0	3.7	3.7	6.3	5.0
FSA 2301	5.3	3.0	5.3	4.3	6.0	4.7	58.3	4.3	4.3	5.7	5.0
XSA 11513	6.0	2.0	6.0	3.0	7.7	4.7	53.3	3.3	3.7	6.0	4.8
PALMETTO	5.7	4.3	6.0	5.0	7.0	5.3	70.0	4.0	4.3	5.0	4.7
DALSA 1914	5.7	3.0	5.7	3.7	7.0	6.0	60.0	4.7	3.3	5.7	4.5
FSA 2026	5.7	2.7	6.3	3.7	6.3	4.0	53.3	3.7	3.3	5.0	4.2
FSA 2012	6.0	2.3	5.7	3.3	6.0	5.3	40.0	4.0	3.0	4.7	3.8
RALEIGH	6.0	3.7	6.0	3.0	5.7	2.3	48.3	3.0	3.0	4.7	3.8
XSA 12155	5.0	2.0	6.7	2.0	6.0	5.0	30.0	3.7	2.3	4.3	3.3
FSA 2022	4.7	1.7	6.7	2.0	4.3	3.0	18.7	2.7	2.0	3.3	2.7
LSD VALUE	1.1	1.5	1.2	2.6	5.0	1.9	44.7	1.5	1.8	3.6	2.6
C.V. (%)	10.5	27.4	11.3	30.2	24.7	20.8	35.2	19.2	24.1	26.7	25.1

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 4. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS GROWN UNDER DROUGHT STRESS AT DALLAS, TX 1/
2025 DATA

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

					QUALITY DURING DROUGHT AUGUST-OCTOBER				
NAME	GRAY LEAF SPOT	COLOR NOVEMBER	SEEDHEAD	YELLOW TUFF 5/15	24 DAYS AUGUST 7	37 DAYS AUGUST 20	56 DAYS SEPT 8	81 DAYS OCTOBER 2	87 DAYS OCTOBER 8
COBALT	8.0	4.0	5.3	8.0	8.3	6.3	7.3	5.3	5.0
XSA 11027	6.0	3.0	2.7	6.3	6.7	6.0	6.3	5.0	4.3
DALSA 1910	5.3	3.7	6.3	5.3	6.7	6.3	6.3	6.0	5.0
DALSA 2301	6.7	4.3	8.3	6.0	7.0	6.7	8.0	6.0	4.7
FLORATAM	3.7	3.7	4.7	8.0	5.7	5.0	5.7	5.0	4.3
FSA 1907	8.0	4.3	6.3	8.0	7.3	6.7	6.7	5.3	4.3
XSA 11026	6.0	3.7	4.0	6.7	5.7	5.0	6.0	5.0	4.0
FSA 1617	3.7	3.0	1.7	4.3	4.7	3.7	5.0	3.7	3.0
FSA 1627	4.0	2.3	6.3	4.3	4.7	4.0	5.0	4.3	3.7
FSA 2013	7.0	3.0	6.0	6.7	5.3	4.3	5.3	4.7	3.7
FSA 2301	3.7	3.7	5.7	7.3	5.0	4.7	5.7	4.7	4.3
XSA 11513	7.3	3.0	3.0	5.0	5.0	4.3	5.7	4.3	3.7
PALMETTO	3.3	3.7	3.7	4.3	3.3	3.0	4.3	3.3	3.3
DALSA 1914	6.3	3.7	7.7	4.3	5.7	4.7	6.0	5.0	4.0
FSA 2026	7.7	3.0	6.0	4.3	4.0	3.3	4.7	4.0	3.0
FSA 2012	6.0	2.7	5.7	6.0	4.3	3.3	4.7	4.3	3.3
RALEIGH	4.7	2.0	4.3	3.7	3.0	2.7	3.7	3.3	2.7
XSA 12155	6.0	3.0	8.7	5.0	4.0	3.7	4.7	4.0	3.7
FSA 2022	5.7	2.7	8.0	3.0	2.7	2.0	2.3	2.3	1.7
LSD VALUE	3.5	1.6	3.3	2.7	2.2	1.6	1.7	1.6	1.2
C.V. (%)	30.0	23.3	33.3	26.5	24.4	22.1	18.4	19.6	18.4

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 5. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS GROWN UNDER SHADE AT GAINESVILLE, FL 1/
2025 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	PERCENT GROUND COVER SUMMER	QUALITY RATINGS JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
FSA 2026	6.0	8.7	3.0	99.0	6.0	6.0	6.3	6.3	6.0	6.7	5.7	6.0	5.3	5.3	5.0	4.7	5.8
XSA 11026	6.3	9.0	3.0	90.0	5.7	5.7	5.7	6.3	6.0	6.0	5.3	6.3	6.0	6.0	5.7	5.0	5.8
COBALT	7.3	8.7	3.0	96.0	4.7	5.0	5.3	5.7	6.7	6.3	5.7	6.0	5.7	6.0	6.0	5.3	5.7
XSA 11027	7.3	8.7	3.0	86.3	5.7	6.0	6.0	6.0	5.3	5.7	5.3	6.3	5.7	5.7	5.3	5.0	5.7
DALSA 2301	6.0	8.7	3.0	92.7	5.3	5.7	5.7	6.0	6.3	7.0	4.7	6.0	5.0	5.0	4.3	4.0	5.4
FSA 1907	7.7	9.0	2.3	76.7	5.0	5.0	5.3	5.3	5.3	6.0	5.0	5.3	5.3	6.0	6.0	5.0	5.4
XSA 11513	7.3	8.3	3.7	89.3	5.7	5.3	5.3	5.7	5.7	5.7	4.3	5.7	5.3	5.7	5.7	5.3	5.4
DALSA 1914	6.3	9.0	3.0	96.0	5.3	4.7	5.0	6.0	6.0	6.0	5.0	5.3	5.7	4.7	5.0	4.3	5.3
DALSA 1910	5.7	8.7	2.7	86.7	5.3	4.7	5.7	5.7	5.7	5.3	4.7	4.3	5.0	4.7	5.3	4.7	5.1
XSA 12155	6.0	8.7	3.3	73.3	5.0	5.0	4.7	5.3	4.7	5.3	4.7	4.7	5.0	5.0	5.3	5.0	5.0
FSA 1627	6.3	9.0	3.0	80.0	4.3	4.0	4.7	5.0	5.0	5.7	4.7	5.0	5.7	5.3	5.3	4.7	4.9
PALMETTO	5.7	8.7	3.7	83.3	4.7	4.3	5.0	4.7	5.0	6.3	4.7	5.0	4.3	4.7	4.0	4.0	4.7
FSA 1617	5.7	8.3	2.7	66.7	4.0	3.7	4.0	4.7	4.7	4.3	4.0	4.3	4.3	5.3	4.7	4.3	4.4
RALEIGH	6.0	8.7	3.0	70.0	3.7	3.7	4.0	4.3	4.3	5.3	4.0	5.0	4.3	4.7	4.3	4.0	4.3
FSA 2022	5.3	8.3	4.0	66.7	4.0	4.0	4.0	4.0	3.0	4.3	4.0	4.3	4.3	4.3	3.7	4.0	4.0
FSA 2013	4.7	9.0	3.0	46.7	3.0	3.3	3.3	3.7	3.7	4.0	3.3	3.0	3.0	3.7	3.3	3.3	3.4
FSA 2012	5.7	9.0	3.0	33.3	2.3	2.3	2.3	2.7	2.7	3.0	2.7	2.7	2.7	3.3	2.7	2.7	2.7
FSA 2301	5.7	8.7	3.3	23.3	2.0	2.0	2.0	2.3	2.0	2.7	2.0	3.0	3.0	3.0	2.7	2.7	2.4
FLORATAM	4.7	9.0	3.7	30.0	2.3	2.3	2.3	2.7	2.3	2.7	2.0	2.7	2.0	2.0	2.0	2.0	2.3
LSD VALUE	1.5	1.3	1.8	16.1	1.0	1.1	1.2	1.1	1.2	1.2	1.6	1.6	1.2	1.0	1.0	0.8	0.9
C.V. (%)	13.3	4.9	21.0	14.5	14.5	16.4	16.6	14.0	16.2	15.1	21.9	20.2	15.9	13.3	14.6	12.9	12.5

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

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

TABLE 6. GENETIC COLOR RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA

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

NAME	FL3	GA1	NC1	OK1	MEAN
FSA 1907	8.7	7.7	9.0	8.0	8.3
FLORATAM	8.0	8.0	7.7	7.0	7.7
FSA 2012	7.7	7.3	7.7	8.0	7.7
FSA 2301	7.7	7.0	8.0	7.7	7.6
FSA 1617	7.3	7.3	8.0	7.7	7.6
DALSA 1910	7.3	7.0	8.0	7.0	7.3
DALSA 1914	7.3	7.3	8.0	6.7	7.3
FSA 1627	7.0	7.3	8.0	7.0	7.3
XSA 11026	6.7	7.0	8.0	7.3	7.3
COBALT	7.0	7.0	8.0	6.7	7.2
DALSA 2301	6.7	7.7	8.0	6.3	7.2
FSA 2022	6.7	7.7	7.3	7.0	7.2
XSA 11027	6.7	7.3	7.7	7.0	7.2
FSA 2026	6.3	7.3	7.7	7.3	7.2
XSA 11513	6.7	7.7	7.7	6.3	7.1
PALMETTO	6.7	7.7	7.7	6.0	7.0
RALEIGH	6.7	7.3	8.0	6.0	7.0
FSA 2013	6.7	8.0	7.0	6.0	6.9
XSA 12155	6.0	7.0	7.3	6.3	6.7
LSD VALUE	0.8	0.7	0.6	0.7	0.4
C.V. (%)	7.3	6.2	4.8	5.8	6.0

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 7. SPRING GREENUP RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA

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

NAME	FL3	GA1	MS1	NC1	OK1	TX2	MEAN
RALEIGH	6.0	9.0	5.7	5.3	7.0	3.3	6.1
PALMETTO	6.7	9.0	6.7	6.0	4.3	3.3	6.0
DALSA 1914	6.3	8.7	4.7	6.3	3.3	3.7	5.5
COBALT	4.7	8.3	4.3	7.0	4.0	3.0	5.2
DALSA 2301	5.3	8.7	5.0	5.3	2.7	4.0	5.2
FSA 2026	6.0	8.3	4.7	5.3	1.0	2.0	4.6
FSA 1627	5.0	9.0	3.0	4.0	3.3	2.7	4.5
FSA 2301	4.7	8.0	2.7	6.0	2.3	2.3	4.3
DALSA 1910	4.0	8.3	3.7	5.0	2.3	2.3	4.3
FSA 1617	5.0	8.7	4.3	4.0	1.0	2.3	4.2
XSA 11026	5.0	6.0	3.7	5.3	2.0	2.0	4.0
XSA 11513	3.7	8.0	3.0	3.3	3.7	2.0	3.9
XSA 11027	3.0	7.7	4.3	4.7	1.0	2.3	3.8
FLORATAM	3.7	9.0	4.0	3.0	1.0	2.0	3.8
FSA 2012	4.3	9.0	1.3	3.7	1.0	2.0	3.6
FSA 1907	4.0	9.0	1.0	3.7	1.0	2.3	3.5
FSA 2013	3.0	9.0	2.0	3.0	1.0	2.7	3.4
XSA 12155	4.7	6.0	2.7	3.0	1.7	2.3	3.4
FSA 2022	2.3	8.7	3.0	2.3	1.3	2.0	3.3
LSD VALUE	2.0	2.5	3.3	1.1	2.1	1.1	0.9
C.V. (%)	27.5	19.0	56.0	14.6	53.9	27.8	31.0

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 8. LEAF TEXTURE RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA

	LEAF TEXTURE RATINGS 1-9; 9=VERY FINE 2/			
NAME	FL3	NC1	OK1	MEAN
FSA 2026	4.0	7.0	6.3	5.8
PALMETTO	3.0	7.0	7.0	5.7
RALEIGH	3.0	7.0	7.0	5.7
FSA 1617	3.3	6.7	6.0	5.3
FSA 2022	2.3	7.0	6.7	5.3
XSA 11513	2.3	7.0	6.7	5.3
XSA 12155	2.7	7.0	6.3	5.3
XSA 11026	2.7	7.0	5.7	5.1
FSA 2012	1.7	7.0	6.0	4.9
DALSA 1910	2.0	6.3	6.0	4.8
FSA 1627	1.7	6.3	6.3	4.8
FSA 2013	1.3	7.0	5.7	4.7
DALSA 2301	2.0	6.0	5.3	4.4
XSA 11027	1.3	6.3	5.7	4.4
COBALT	1.7	6.0	5.0	4.2
DALSA 1914	1.7	6.0	5.0	4.2
FLORATAM	1.3	6.0	5.3	4.2
FSA 2301	1.0	6.0	5.7	4.2
FSA 1907	1.0	6.0	5.0	4.0
LSD VALUE	1.1	0.4	0.7	0.5
C.V. (%)	32.7	4.0	7.5	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 9. SPRING DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA

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

NAME	FL5
FSA 1907	8.7
XSA 11026	8.7
XSA 11513	8.7
FSA 1617	8.3
FSA 1627	8.3
XSA 11027	8.3
XSA 12155	8.3
COBALT	8.0
DALSA 2301	8.0
FSA 2012	8.0
FSA 2026	8.0
FSA 2301	8.0
DALSA 1910	7.7
DALSA 1914	7.7
FSA 2013	7.7
PALMETTO	7.7
RALEIGH	7.7
FLORATAM	7.3
FSA 2022	7.0
LSD VALUE	0.9
C.V. (%)	7.2

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

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

TABLE 10. SUMMER DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA

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

NAME	FL5	NC1	OK1	MEAN
DALSA 1914	8.0	8.3	7.7	8.0
DALSA 1910	8.0	8.0	8.0	8.0
DALSA 2301	8.0	7.7	7.7	7.8
FSA 2026	8.0	8.0	7.3	7.8
COBALT	8.0	8.0	7.0	7.7
PALMETTO	8.0	7.7	7.0	7.6
FSA 1627	8.0	7.3	7.0	7.4
XSA 11026	8.0	8.0	6.3	7.4
XSA 12155	8.0	7.0	7.3	7.4
FSA 1617	8.0	7.7	6.3	7.3
FSA 1907	8.0	7.7	6.3	7.3
FSA 2022	7.7	7.3	6.7	7.2
XSA 11513	8.0	6.7	6.7	7.1
FSA 2012	8.0	7.0	6.0	7.0
RALEIGH	8.0	7.0	6.0	7.0
XSA 11027	8.0	7.3	5.7	7.0
FSA 2301	8.0	7.0	5.7	6.9
FSA 2013	8.0	6.0	5.7	6.6
FLORATAM	8.0	6.0	4.7	6.2
LSD VALUE	0.2	0.6	1.0	0.4
C.V. (%)	1.7	5.4	8.9	5.7

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. FALL DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA

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

NAME	FL5	NC1	OK1	MEAN
DALSA 1910	8.0	8.0	8.0	8.0
DALSA 1914	7.7	8.0	7.7	7.8
FSA 1627	8.7	7.3	7.3	7.8
XSA 11513	9.0	7.0	7.3	7.8
XSA 11026	8.7	7.7	6.7	7.7
COBALT	7.7	7.7	7.3	7.6
DALSA 2301	7.7	7.3	7.7	7.6
FSA 1617	8.3	8.0	6.3	7.6
FSA 2026	7.7	7.3	7.7	7.6
XSA 12155	8.3	7.0	7.3	7.6
XSA 11027	9.0	7.3	6.0	7.4
FSA 1907	8.3	7.3	6.3	7.3
PALMETTO	7.7	7.3	7.0	7.3
FSA 2022	7.7	7.7	6.3	7.2
FSA 2012	8.7	7.0	5.5	7.1
RALEIGH	8.0	7.0	6.0	7.0
FSA 2301	8.0	7.0	5.7	6.9
FSA 2013	8.0	6.0	5.3	6.4
FLORATAM	8.0	5.3	4.3	5.9
LSD VALUE	0.8	0.8	1.1	0.5
C.V. (%)	6.3	6.6	10.5	7.7

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

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

TABLE 12. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	FL3	FL5	MS1	NC1	OK1	TX2	MEAN
RALEIGH	96.0	91.7	86.3	55.0	70.0	96.0	82.5
PALMETTO	97.7	91.7	83.3	60.0	45.0	86.7	77.4
COBALT	96.3	95.0	86.7	71.7	13.3	88.0	75.2
DALSA 1914	99.0	91.7	73.3	66.7	28.3	86.3	74.2
XSA 11026	97.7	96.0	80.0	50.0	18.3	96.3	73.1
XSA 11027	96.3	96.3	83.3	46.7	6.0	91.3	70.0
FSA 2301	97.7	94.3	56.7	61.7	21.7	81.3	68.9
DALSA 1910	95.0	91.7	60.0	50.0	16.3	96.0	68.2
FSA 1627	94.7	95.0	73.3	41.7	30.0	71.7	67.7
DALSA 2301	97.7	88.3	60.0	56.7	21.7	75.0	66.6
FSA 1617	96.3	91.7	63.3	41.7	9.3	94.7	66.2
XSA 11513	90.0	96.3	53.3	33.3	33.3	81.3	64.6
FLORATAM	88.3	90.0	53.3	28.3	3.7	97.7	60.2
FSA 2026	97.7	88.3	53.3	51.7	9.3	53.3	58.9
FSA 2013	86.7	90.0	40.0	25.0	4.0	97.7	57.2
XSA 12155	93.0	96.3	33.3	33.3	14.0	72.7	57.1
FSA 2012	94.7	93.3	13.3	35.0	0.7	68.3	50.9
FSA 1907	90.0	97.7	33.3	33.3	3.7	36.7	49.1
FSA 2022	86.7	80.0	20.0	16.7	6.0	31.7	40.2
LSD VALUE	6.5	7.9	19.7	15.1	16.1	34.6	7.8
C.V. (%)	4.3	5.3	21.0	20.8	53.8	27.2	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 13. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	FL5	MS1	NC1	OK1	TX2	MEAN
RALEIGH	97.7	96.0	94.3	98.7	96.0	96.5
COBALT	99.0	99.0	97.7	93.3	90.0	95.8
XSA 11026	97.7	96.0	91.7	95.7	97.7	95.7
DALSA 1914	93.3	99.0	95.7	97.0	92.7	95.5
PALMETTO	97.7	99.0	94.7	97.3	86.7	95.1
DALSA 1910	93.3	96.0	96.0	95.0	89.7	94.0
DALSA 2301	95.0	99.0	96.0	97.3	80.0	93.5
FSA 2301	95.0	96.0	94.3	97.0	84.7	93.4
FSA 1617	94.7	93.0	86.7	91.0	99.0	92.9
XSA 11027	99.0	96.0	88.3	91.0	88.3	92.5
XSA 11513	97.7	96.0	76.7	97.0	93.0	92.1
FSA 1627	97.7	92.7	91.7	92.7	85.0	91.9
FLORATAM	99.0	93.0	73.3	86.7	99.0	90.2
FSA 2013	96.3	89.3	61.7	90.0	99.0	87.3
XSA 12155	97.7	86.0	75.0	96.0	63.0	83.5
FSA 2026	97.7	96.0	89.3	73.3	56.7	82.6
FSA 1907	94.7	69.7	73.3	68.3	53.3	71.9
FSA 2012	96.3	64.7	73.3	15.0	65.0	62.9
FSA 2022	86.7	79.7	43.3	85.0	16.7	62.3
LSD VALUE	5.4	24.6	13.2	11.1	31.0	8.7
C.V. (%)	3.5	16.7	9.8	7.9	23.8	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 14. PERCENT LIVING GROUND COVER (FALL) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	FL5	NC1	OK1	TX2	MEAN
FSA 2013	99.0	98.3	98.7	85.0	95.3
PALMETTO	96.0	98.0	99.0	86.7	94.9
FSA 1627	97.7	98.7	99.0	83.3	94.7
FLORATAM	99.0	97.0	95.7	86.3	94.5
XSA 11513	99.0	98.3	99.0	76.7	93.3
XSA 11027	99.0	98.3	99.0	75.0	92.8
DALSA 1914	94.7	99.0	99.0	78.3	92.8
DALSA 1910	96.3	98.7	98.7	76.7	92.6
COBALT	97.7	98.7	99.0	71.7	91.8
FSA 1617	97.7	98.7	99.0	68.3	90.9
FSA 2301	96.0	98.7	98.7	63.3	89.2
DALSA 2301	94.7	89.3	99.0	70.0	88.3
XSA 11026	97.7	98.7	99.0	56.7	88.0
RALEIGH	96.3	97.7	99.0	56.7	87.4
FSA 2026	94.7	99.0	97.7	50.0	85.3
FSA 1907	99.0	99.0	93.7	46.7	84.6
XSA 12155	96.0	97.7	99.0	29.0	80.4
FSA 2022	94.7	97.3	95.7	16.7	76.1
FSA 2012	99.0	99.0	35.0	60.0	73.3
LSD VALUE	5.1	6.4	11.8	34.1	9.3
C.V. (%)	3.3	4.1	7.8	32.6	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 15. PERCENT WINTER KILL RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA

PERCENT WINTER KILL RATINGS: LOCATIONS 2/

NAME	OK1
FSA 2012	99.0
FLORATAM	96.0
FSA 1907	96.0
FSA 2013	95.3
XSA 11027	93.7
FSA 2022	92.7
FSA 1617	90.0
FSA 2026	89.3
COBALT	85.0
XSA 12155	84.3
XSA 11026	80.3
DALSA 1910	79.7
DALSA 2301	75.3
FSA 2301	75.0
DALSA 1914	67.3
FSA 1627	65.0
XSA 11513	63.3
PALMETTO	42.7
RALEIGH	20.0
LSD VALUE	18.2
C.V. (%)	14.4

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 16. DROUGHT TOLERANCE (DORMANCY) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA

DROUGHT TOLERANCE (DORMANCY) RATINGS 1-9; 9=NO DORMANCY 2/

NAME	TX2
DALSA 2301	5.7
FLORATAM	5.3
FSA 1627	5.3
FSA 2012	5.3
PALMETTO	5.3
DALSA 1914	5.0
FSA 1907	5.0
XSA 11513	5.0
DALSA 1910	4.7
FSA 1617	4.7
FSA 2013	4.7
FSA 2026	4.7
FSA 2301	4.3
XSA 11026	4.3
XSA 11027	4.3
COBALT	4.0
RALEIGH	3.7
XSA 12155	3.7
FSA 2022	3.5
LSD VALUE	1.6
C.V. (%)	20.5

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 17. GRAY LEAF SPOT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA

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

NAME	NC1
FSA 1907	9.0
COBALT	8.7
DALSA 2301	8.3
DALSA 1914	8.0
FSA 2022	8.0
RALEIGH	8.0
XSA 11513	8.0
XSA 12155	8.0
FSA 2012	7.7
FSA 2026	7.7
XSA 11026	7.7
XSA 11027	7.7
FSA 1617	7.3
FSA 1627	7.3
DALSA 1910	7.0
FSA 2013	7.0
PALMETTO	7.0
FLORATAM	6.7
FSA 2301	6.7
LSD VALUE	0.7
C.V. (%)	5.5

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. FALL COLOR (SEPTEMBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA

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

NAME	GA1
DALSA 2301	8.0
FLORATAM	8.0
FSA 1907	8.0
FSA 2013	8.0
XSA 11027	8.0
FSA 1617	7.7
FSA 1627	7.7
FSA 2012	7.7
FSA 2022	7.7
PALMETTO	7.7
XSA 11026	7.7
XSA 11513	7.7
XSA 12155	7.7
COBALT	7.3
DALSA 1910	7.3
DALSA 1914	7.3
FSA 2026	7.3
FSA 2301	7.3
RALEIGH	7.3
LSD VALUE	0.8
C.V. (%)	6.5

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

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

TABLE 19. FALL COLOR (OCTOBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA

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

NAME	GA1	NC1	OK1	MEAN
FSA 1907	7.7	9.0	8.0	8.2
FSA 2012	7.3	8.3	8.0	7.9
FSA 1617	7.7	8.7	7.3	7.9
XSA 11027	8.0	8.7	7.0	7.9
FSA 1627	7.7	8.0	7.7	7.8
FSA 2022	7.7	8.3	7.0	7.7
COBALT	7.3	8.3	7.0	7.6
DALSA 1910	7.3	8.3	7.0	7.6
FSA 2026	7.3	8.7	6.7	7.6
XSA 11026	7.7	8.0	7.0	7.6
XSA 11513	7.7	8.3	6.7	7.6
DALSA 1914	7.3	8.3	6.7	7.4
PALMETTO	7.3	8.0	7.0	7.4
RALEIGH	7.3	8.0	7.0	7.4
DALSA 2301	7.7	7.7	6.7	7.3
FSA 2301	7.3	7.7	7.0	7.3
FLORATAM	7.0	8.0	6.7	7.2
FSA 2013	7.7	8.0	6.0	7.2
XSA 12155	7.0	7.7	6.0	6.9
LSD VALUE	0.9	1.1	0.8	0.5
C.V. (%)	7.1	8.4	6.9	7.6

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

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

TABLE 20. FALL COLOR (NOVEMBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA

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

NAME	MS1	NC1	MEAN
FSA 1907	6.7	7.0	6.8
COBALT	6.3	7.0	6.7
DALSA 1914	6.3	7.0	6.7
FSA 1617	6.3	6.7	6.5
FSA 2012	6.7	6.3	6.5
XSA 11027	6.3	6.7	6.5
FSA 2301	6.7	5.7	6.2
DALSA 1910	6.3	6.0	6.2
XSA 11026	6.0	6.3	6.2
PALMETTO	6.3	5.7	6.0
RALEIGH	6.0	6.0	6.0
DALSA 2301	6.0	5.7	5.8
FSA 2013	6.7	5.0	5.8
XSA 11513	6.3	5.3	5.8
FLORATAM	6.0	5.3	5.7
FSA 2026	6.3	5.0	5.7
XSA 12155	6.0	5.3	5.7
FSA 1627	6.0	5.0	5.5
FSA 2022	6.0	4.7	5.3
LSD VALUE	0.7	1.1	0.7
C.V. (%)	7.3	12.1	9.9

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

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

TABLE 21. FALL COLOR (DECEMBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA

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

NAME	TX2
FLORATAM	7.7
FSA 2012	7.7
COBALT	7.3
DALSA 1910	7.0
DALSA 1914	7.0
DALSA 2301	7.0
FSA 1907	7.0
FSA 2013	7.0
FSA 1617	6.7
PALMETTO	6.3
RALEIGH	6.3
XSA 11513	6.3
FSA 1627	6.0
FSA 2022	6.0
FSA 2301	6.0
XSA 11026	6.0
XSA 11027	6.0
XSA 12155	6.0
FSA 2026	5.7
LSD VALUE	1.3
C.V. (%)	11.7

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 22. SEEDHEAD RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	NC1
DALSA 1910	8.7
DALSA 2301	8.3
FLORATAM	8.3
FSA 1627	8.3
FSA 2013	8.3
PALMETTO	8.3
COBALT	8.0
DALSA 1914	8.0
FSA 2022	8.0
FSA 2026	8.0
XSA 12155	8.0
FSA 2301	7.7
RALEIGH	7.7
FSA 1617	7.3
FSA 2012	7.3
XSA 11513	7.3
FSA 1907	7.0
XSA 11026	7.0
XSA 11027	7.0
LSD VALUE	0.9
C.V. (%)	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 23. PERCENT TAKE-ALL ROOT ROT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2025 DATA 2/

NAME	TX2
DALSA 1910	46.7
PALMETTO	46.7
XSA 11026	46.7
DALSA 1914	43.3
FSA 1627	43.3
XSA 11027	43.3
FSA 2013	40.0
FLORATAM	36.7
XSA 11513	36.7
XSA 12155	36.7
COBALT	33.3
FSA 1617	33.3
FSA 2012	33.3
FSA 2301	33.3
RALEIGH	33.3
DALSA 2301	30.0
FSA 2026	30.0
FSA 1907	20.0
FSA 2022	6.7
LSD VALUE	27.9
C.V. (%)	48.9

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 24. GRAY LEAF SPOT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS AT RALEIGH (LAKE WHEELER CENTER) 1/ 2025 DATA

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

NAME	JULY	AUGUST	SEPTEMBER	OCTOBER	MEAN
FSA 1907	9.0	9.0	9.0	9.0	9.0
COBALT	8.7	9.0	9.0	9.0	8.9
DALSA 1914	8.0	9.0	9.0	9.0	8.8
FSA 2022	8.0	9.0	8.7	9.0	8.7
XSA 11026	7.7	9.0	9.0	9.0	8.7
XSA 11513	8.0	8.7	9.0	9.0	8.7
XSA 12155	8.0	9.0	8.7	9.0	8.7
RALEIGH	8.0	9.0	8.3	9.0	8.6
FSA 2012	7.7	8.7	8.7	9.0	8.5
XSA 11027	7.7	8.3	9.0	9.0	8.5
FSA 2026	7.7	8.7	8.7	8.7	8.4
FSA 1627	7.3	8.7	8.7	8.7	8.3
DALSA 2301	8.3	9.0	7.7	7.7	8.2
DALSA 1910	7.0	8.3	8.3	8.7	8.1
FSA 2013	7.0	8.3	8.3	8.7	8.1
FSA 1617	7.3	8.3	8.0	8.0	7.9
FSA 2301	6.7	8.0	8.0	8.3	7.8
PALMETTO	7.0	8.0	8.0	8.3	7.8
FLORATAM	6.7	8.0	7.7	8.3	7.7
LSD VALUE	0.6	0.6	2.3	2.6	0.8
C.V. (%)	4.8	4.1	9.3	9.2	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 25. SEEDHEAD RATINGS OF ST. AUGUSTINEGRASS CULTIVARS AT RALEIGH (LAKE WHEELER CENTER) 1/ 2025 DATA

NAME	SEEDHEAD RATINGS 1-9; 9=NONE 2/ JUNE	JULY	AUGUST	SEPTEMBER	MEAN
DALSA 1910	9.0	8.7	9.0	9.0	8.9
DALSA 1914	9.0	8.0	9.0	9.0	8.8
DALSA 2301	9.0	8.3	9.0	9.0	8.8
FLORATAM	9.0	8.3	9.0	9.0	8.8
FSA 1627	9.0	8.3	9.0	9.0	8.8
FSA 2013	9.0	8.3	9.0	9.0	8.8
FSA 2026	9.0	8.0	8.7	8.7	8.6
COBALT	8.0	8.0	9.0	9.0	8.5
PALMETTO	8.3	8.3	9.0	8.3	8.5
FSA 2301	8.3	7.7	9.0	8.7	8.4
FSA 2012	8.7	7.3	8.3	8.7	8.3
FSA 2022	9.0	8.0	8.0	8.0	8.3
RALEIGH	8.3	7.7	8.7	8.7	8.3
XSA 12155	9.0	8.0	8.3	8.0	8.3
FSA 1617	9.0	7.3	8.0	8.0	8.1
XSA 11513	9.0	7.3	8.0	7.7	8.0
FSA 1907	8.7	7.0	7.3	8.0	7.8
XSA 11026	7.7	7.0	8.3	8.3	7.8
XSA 11027	7.0	7.0	8.0	8.0	7.5
LSD VALUE	0.7	1.0	0.5	0.6	0.4
C.V. (%)	5.0	6.8	3.8	4.2	3.2

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.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR ST. AUGUSTINEGRASS CULTIVARS
2025 DATA

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

NAME	QUALITY MEAN 1/	MAXIMUM IN TOP 25% 2/
COBALT	6.4	71.4
DALSA 1910	6.1	14.3
DALSA 1914	6.5	42.9
DALSA 2301	6.3	42.9
FLORATAM	5.7	28.6
FSA 1617	6.0	0.0
FSA 1627	6.1	0.0
FSA 1907	5.8	14.3
FSA 2012	5.4	14.3
FSA 2013	5.7	0.0
FSA 2022	5.3	14.3
FSA 2026	5.8	0.0
FSA 2301	6.1	0.0
PALMETTO	6.3	57.1
RALEIGH	6.1	14.3
XSA 11026	6.1	14.3
XSA 11027	6.1	28.6
XSA 11513	6.1	28.6
XSA 12155	5.9	14.3
LSD VALUE	0.3	
C.V. (%)	7.3	

*/ 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.