

TABLE 1. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
IN THE 2023 NATIONAL ST. AUGUSTINEGRASS TEST 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	QUALITY RATINGS								
				MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
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 1. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
(CONT'D) IN THE 2023 NATIONAL ST. AUGUSTINEGRASS TEST 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 2.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
IN THE 2023 NATIONAL ST. AUGUSTINEGRASS TEST AT JAY, FL 1/
2024 DATA

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

NAME	GENETIC	LEAF	PERCENT ESTABLISHMENT FROM AUGUST 2023-JULY 2024										QUALITY RATINGS							
	COLOR	TEXTURE	AUG 2023	SEPT 2023	OCT 2023	NOV 2023	MAR 24	APR 24	MAY 24	JUNE 24	JULY 24	JUN	JUL	AUG	SEP	OCT	NOV	MEAN		
XSA 11027	7.0	1.3	20.0	33.3	45.0	51.7	75.0	88.3	99.0	99.0	99.0	7.7	8.7	8.0	8.0	7.7	8.0	8.0		
FSA 2022	6.3	3.0	25.0	36.7	46.7	50.0	76.7	91.7	99.0	99.0	99.0	7.7	9.0	7.7	8.0	7.0	8.0	7.9		
DALSA 1914	6.7	2.0	15.0	23.3	36.7	38.3	63.3	83.3	97.7	99.0	99.0	8.0	8.3	7.7	7.7	7.3	7.7	7.8		
FSA 1907	8.7	1.3	18.3	31.7	41.7	41.7	50.0	73.3	91.7	96.0	97.7	7.7	8.0	8.0	7.7	7.7	7.3	7.7		
COBALT	7.0	1.3	10.0	13.3	23.3	25.0	78.3	93.0	96.0	97.7	99.0	7.3	8.0	7.7	8.0	7.0	7.7	7.6		
XSA 11513	6.3	2.3	18.3	30.0	46.7	51.7	85.0	94.7	99.0	99.0	99.0	8.7	8.0	7.3	7.0	7.3	7.3	7.6		
DALSA 1910	6.7	3.3	23.3	41.7	50.0	55.0	61.7	78.3	95.0	99.0	99.0	7.0	8.0	7.3	7.7	7.0	7.3	7.4		
FSA 1627	7.3	2.0	20.0	33.3	46.7	48.3	61.7	81.7	96.0	97.7	99.0	7.7	8.0	7.3	7.7	7.0	7.0	7.4		
XSA 11026	7.0	1.0	15.0	23.3	33.3	36.7	75.0	86.7	96.0	97.7	99.0	7.7	8.3	7.3	7.7	6.7	7.0	7.4		
XSA 12155	6.3	1.3	11.7	20.0	26.7	26.7	76.7	90.0	97.7	99.0	99.0	7.3	7.7	7.0	7.7	7.3	7.3	7.4		
DALSA 2301	6.3	1.7	15.0	26.7	38.3	38.3	63.3	85.0	92.7	96.0	99.0	7.0	7.7	7.0	7.7	7.0	7.3	7.3		
FSA 2013	6.3	2.0	21.7	30.0	46.7	50.0	86.7	96.3	99.0	99.0	99.0	8.0	7.7	7.3	7.3	6.3	7.0	7.3		
FSA 2026	6.7	5.0	18.3	28.3	41.7	41.7	70.0	85.0	97.7	97.7	99.0	7.0	8.3	7.3	6.7	6.7	7.0	7.2		
FSA 1617	7.3	3.7	11.7	16.7	30.0	36.7	65.0	86.7	96.0	97.7	99.0	6.3	7.7	7.0	7.3	6.7	7.3	7.1		
FSA 2012	7.7	1.7	28.3	36.7	56.7	58.3	41.7	65.0	88.3	94.7	99.0	6.7	7.0	7.0	7.3	7.0	7.0	7.0		
PALMETTO	6.7	3.0	16.7	23.3	40.0	48.3	63.3	85.0	97.7	99.0	99.0	7.3	7.3	6.7	7.3	6.3	6.3	6.9		
FSA 2301	6.7	1.7	15.0	21.7	33.3	31.7	43.3	71.7	94.7	96.3	99.0	7.0	8.0	6.7	6.7	6.3	6.3	6.8		
FLORATAM	6.3	1.3	16.7	21.7	33.3	33.3	58.3	76.7	97.7	99.0	99.0	6.3	6.3	6.3	7.0	6.0	7.0	6.5		
RALEIGH	6.7	3.0	18.3	26.7	43.3	46.7	45.0	73.3	94.7	97.7	99.0	6.3	6.7	6.3	6.7	6.0	6.0	6.3		
LSD VALUE	1.0	1.2	13.9	20.7	29.8	28.5	11.6	9.5	9.6	6.3	1.6	1.8	1.4	1.7	2.2	1.5	1.1	1.0		
C.V. (%)	8.3	33.8	34.0	33.9	30.1	29.2	11.4	7.0	4.1	2.2	0.5	11.1	9.1	9.6	10.1	9.4	7.9	6.9		

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 3.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
IN THE 2023 NATIONAL ST. AUGUSTINEGRASS TEST AT FORT LAUDERDALE, FL 1/
2024 DATA

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

NAME	GENETIC COLOR	LEAF TEXTURE	QUALITY RATINGS												MEAN
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
XSA 11513	6.7	4.0	7.0	6.7	7.0	7.3	7.0	7.3	6.7	7.0	8.0	7.0	7.0	7.0	7.1
XSA 11027	6.7	3.3	7.3	7.0	6.7	6.7	6.3	6.7	6.0	6.7	8.0	7.0	7.0	7.3	6.9
FSA 1907	7.3	2.3	7.0	6.7	6.7	7.3	6.7	6.7	6.0	6.0	7.3	6.0	6.0	7.0	6.6
XSA 11026	6.3	3.0	6.7	6.7	6.3	6.7	6.3	6.3	6.0	6.3	7.7	6.7	6.7	7.0	6.6
COBALT	7.3	1.3	6.7	6.3	6.3	7.0	6.3	6.7	6.3	6.3	7.0	6.3	6.3	6.3	6.5
XSA 12155	7.0	3.3	6.7	6.3	6.7	7.0	6.7	6.7	5.7	6.7	7.3	6.0	6.0	6.3	6.5
DALSA 2301	7.0	3.3	7.0	6.7	6.3	6.7	5.7	7.0	7.0	6.7	6.7	5.7	5.7	6.3	6.4
FSA 1617	5.3	2.7	6.7	6.3	6.0	6.3	6.0	6.3	6.0	6.0	7.7	6.0	6.0	6.0	6.3
DALSA 1914	7.0	3.3	7.0	6.0	6.0	6.3	5.3	6.0	6.0	5.7	7.0	6.0	6.0	6.0	6.1
FSA 1627	6.7	2.7	6.3	6.0	6.0	6.7	5.0	6.0	6.0	5.7	6.7	6.0	6.0	5.7	6.0
FSA 2301	5.7	2.3	6.7	6.0	6.3	6.7	6.0	6.0	6.0	4.3	6.3	6.0	6.0	6.0	6.0
DALSA 1910	6.3	3.0	6.3	5.3	5.0	6.3	5.7	6.7	5.7	6.0	7.0	5.3	5.3	5.7	5.9
FSA 2012	7.0	3.0	6.7	6.0	6.0	6.3	5.7	6.3	5.3	4.3	6.0	5.7	5.7	6.3	5.9
FSA 2013	5.7	3.7	6.3	5.7	5.7	6.0	5.3	6.0	5.7	5.7	6.7	5.7	5.7	6.3	5.9
FSA 2022	6.7	4.3	6.7	6.0	6.0	6.7	5.7	6.7	6.0	4.7	6.0	5.7	5.7	5.0	5.9
FSA 2026	5.0	4.3	6.3	5.3	5.7	6.0	5.3	6.7	6.0	5.3	7.0	6.0	6.0	5.7	5.9
PALMETTO	5.0	5.0	6.3	5.7	5.7	6.7	5.7	6.0	5.0	5.7	7.0	5.3	5.3	5.3	5.8
FLORATAM	5.3	3.0	6.7	5.7	6.0	5.7	5.3	5.7	5.3	4.7	6.0	5.7	5.7	6.0	5.7
RALEIGH	5.7	4.0	6.0	5.3	5.0	5.7	5.7	5.7	5.0	5.3	6.7	5.7	5.7	5.3	5.6
LSD VALUE	1.0	1.1	1.0	0.9	0.9	1.1	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.8	0.4
C.V. (%)	9.3	19.5	6.5	7.8	8.0	8.4	8.5	7.5	8.0	9.2	6.7	6.9	6.9	7.8	3.7

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 3. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
(CONT'D) IN THE 2023 NATIONAL ST. AUGUSTINEGRASS TEST AT FORT LAUDERDALE, FL 1/
2024 DATA

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

NAME	SPRING	SUMMER	FALL	PERCENT GROUND COVER			PERCENT	DENSITY
	DENSITY	DENSITY	DENSITY	SPRING	SUMMER	FALL	ESTABLISHMENT	FALL 2023
XSA 11513	8.3	8.3	8.7	96.3	95.0	99.0	68.0	8.7
XSA 11027	8.0	8.3	8.7	88.0	91.7	99.0	94.7	8.7
FSA 1907	8.0	7.0	8.0	93.3	86.7	97.7	88.3	8.0
XSA 11026	8.0	7.3	8.3	88.3	90.0	99.0	94.7	8.3
COBALT	8.0	7.7	8.3	95.0	85.0	99.0	97.3	8.3
XSA 12155	8.3	8.3	8.7	91.3	93.0	99.0	97.7	8.7
DALSA 2301	8.0	8.0	8.0	86.7	93.3	97.7	95.7	8.7
FSA 1617	8.0	7.3	8.3	90.0	83.3	99.0	90.7	7.7
DALSA 1914	8.0	7.3	8.0	90.0	86.7	97.7	94.3	8.7
FSA 1627	8.0	7.7	8.3	90.0	86.7	97.7	92.3	8.0
FSA 2301	8.0	7.0	7.3	80.0	75.0	94.7	86.7	8.0
DALSA 1910	8.3	7.7	7.0	81.7	85.0	91.3	86.7	7.7
FSA 2012	8.0	7.0	7.3	81.7	71.7	90.0	70.0	6.7
FSA 2013	8.0	7.0	7.3	81.7	80.0	97.7	90.0	8.0
FSA 2022	8.3	7.0	7.7	90.0	68.3	93.3	94.7	8.3
FSA 2026	8.0	7.0	7.7	86.7	78.3	97.7	90.0	8.0
PALMETTO	8.0	7.3	7.7	86.7	78.3	96.3	96.7	8.7
FLORATAM	7.7	7.0	7.0	76.7	76.7	94.7	81.7	7.7
RALEIGH	8.0	7.0	7.3	86.7	76.7	99.0	88.3	8.0
LSD VALUE	1.3	0.9	1.1	12.2	8.9	7.5	31.9	1.0
C.V. (%)	4.6	6.5	7.4	6.8	6.6	3.5	13.8	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 4. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
IN THE 2023 NATIONAL ST. AUGUSTINEGRASS TEST AT GRIFFIN, GA 1/
2024 DATA

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

NAME	GENETIC COLOR	PERCENT GROUND COVER SPRING	COLOR SEPTEMBER	COLOR OCTOBER	MAY	JUN	QUALITY RATINGS				OCT	MEAN
FSA 1617	7.3	80.0	7.0	7.0	7.3	7.7	8.0	7.3	7.3	7.3	7.3	7.5
FSA 2012	6.7	76.7	6.7	6.7	7.0	7.3	7.3	7.7	7.3	7.0	7.0	7.3
FSA 1907	6.7	76.7	7.0	7.0	7.3	7.7	7.3	7.3	7.0	6.7	7.2	7.2
PALMETTO	6.7	76.7	7.0	6.7	7.7	7.3	7.3	7.0	7.0	6.7	7.2	7.2
DALSA 1914	7.0	80.0	7.0	6.7	7.0	7.7	7.3	7.0	7.0	6.3	7.1	7.1
DALSA 2301	7.0	76.7	7.0	7.0	6.7	7.3	7.7	7.0	7.0	7.0	7.1	7.1
FSA 2013	7.3	80.0	7.0	7.0	7.0	7.3	7.3	7.3	7.0	6.7	7.1	7.1
COBALT	7.3	70.0	7.7	7.0	7.0	7.0	7.3	7.0	6.7	6.7	6.9	6.9
FSA 1627	7.0	80.0	7.0	6.7	7.0	7.0	7.0	7.0	7.0	6.3	6.9	6.9
FSA 2022	7.0	73.3	7.0	7.0	7.0	7.0	7.0	7.0	6.7	6.7	6.9	6.9
XSA 11513	7.3	73.3	7.0	7.0	7.0	7.3	7.0	7.0	7.0	6.3	6.9	6.9
XSA 12155	7.3	76.7	7.3	7.0	7.0	7.0	7.0	7.0	7.0	6.3	6.9	6.9
DALSA 1910	7.0	80.0	7.0	7.0	6.7	7.0	7.0	6.7	6.7	6.7	6.8	6.8
FLORATAM	7.0	80.0	7.0	6.3	6.7	7.0	7.0	6.7	7.0	6.7	6.8	6.8
FSA 2301	7.3	73.3	7.0	7.0	7.0	7.0	7.0	6.7	7.0	6.3	6.8	6.8
RALEIGH	7.0	71.7	7.0	7.0	6.7	7.0	7.0	6.7	7.0	6.7	6.8	6.8
XSA 11027	7.3	71.7	7.0	7.0	6.7	7.0	7.0	7.0	6.7	6.7	6.8	6.8
FSA 2026	7.3	76.7	7.0	7.0	6.7	7.0	7.0	7.0	6.7	6.0	6.7	6.7
XSA 11026	7.3	66.7	7.0	7.0	6.3	7.0	7.0	6.7	6.7	6.0	6.6	6.6
LSD VALUE	1.7	32.9	0.9	0.8	0.8	1.0	0.8	1.0	1.2	1.5	0.5	0.5
C.V. (%)	7.1	12.3	4.5	4.2	5.3	5.2	5.0	5.8	5.5	8.0	3.5	3.5

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 5.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
IN THE 2023 NATIONAL ST. AUGUSTINEGRASS TEST AT MISS. ST., MS 1/
2024 DATA

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

NAME	SPRING GREENUP	SEEDLING VIGOR	PERCENT GROUND COVER			BROWN PATCH WEAR	COLOR NOVEMBER	SEEDHEAD	PERCENT ESTABLISHMENT					QUALITY RATINGS						
			SPRING	SUMMER	FALL				SEPT	2023	OCT	2023	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
FSA 2026	6.3	5.0	78.3	99.0	99.0	6.0	6.3	8.7	40.0	83.3	6.0	5.7	5.7	6.7	6.7	6.0	6.0	6.1		
XSA 12155	6.0	5.7	80.0	99.0	99.0	9.0	6.0	8.3	46.7	89.7	5.7	5.3	6.0	6.7	6.3	6.3	6.3	6.1		
DALSA 1914	4.7	4.7	51.7	92.7	99.0	8.7	6.3	9.0	40.0	73.3	4.7	5.3	6.3	6.0	6.0	6.0	6.0	5.8		
XSA 11513	4.7	5.3	53.3	96.0	99.0	9.0	6.3	7.7	50.0	86.3	4.7	5.3	6.3	6.0	6.3	6.0	6.0	5.8		
DALSA 2301	4.7	5.3	56.7	96.0	99.0	9.0	6.0	8.7	40.0	83.0	5.0	5.7	6.0	5.7	5.7	6.0	6.0	5.7		
FSA 2022	4.7	5.0	53.3	99.0	99.0	6.7	6.0	9.0	40.0	83.3	4.7	5.0	6.0	6.0	6.0	6.0	6.0	5.7		
PALMETTO	5.0	5.3	61.7	96.0	99.0	7.0	6.3	8.3	36.7	70.0	5.3	5.0	5.3	5.7	6.0	6.0	6.0	5.6		
XSA 11026	3.0	5.0	33.3	92.7	99.0	7.3	6.3	8.7	43.3	86.3	3.0	4.7	6.0	6.7	6.3	6.3	6.0	5.6		
COBALT	4.7	5.0	60.0	99.0	99.0	8.7	6.3	8.7	40.0	70.0	4.7	5.0	5.3	5.7	5.7	6.0	6.0	5.5		
XSA 11027	3.0	5.0	36.7	96.0	99.0	8.3	6.3	8.7	33.3	76.7	3.3	4.7	6.0	6.0	6.0	6.0	6.0	5.4		
DALSA 1910	3.7	4.3	43.3	99.0	99.0	8.7	6.3	9.0	33.3	66.7	4.0	4.3	5.3	6.0	5.7	6.0	6.0	5.3		
FSA 1627	5.0	4.3	60.0	92.7	99.0	8.7	6.0	8.3	30.0	66.7	4.7	5.0	5.3	5.7	5.7	5.3	5.7	5.3		
FSA 1617	3.3	5.3	40.0	96.0	99.0	8.3	6.3	6.7	53.3	83.3	3.7	4.3	5.3	5.3	5.3	5.7	6.0	5.1		
FSA 2013	2.3	4.7	26.7	89.3	99.0	7.7	6.3	9.0	50.0	89.7	3.0	4.3	5.7	4.7	4.7	5.7	6.0	4.9		
FSA 1907	1.0	4.0	8.3	56.7	89.3	7.7	7.0	5.7	33.3	63.3	2.0	4.0	5.7	5.0	5.7	5.7	5.3	4.8		
FSA 2301	2.0	5.3	26.7	96.0	99.0	7.0	6.7	7.0	41.7	80.0	3.0	4.0	5.0	4.7	5.3	5.3	6.0	4.8		
RALEIGH	3.7	4.7	46.7	99.0	99.0	6.7	6.0	8.0	26.7	56.7	4.3	4.3	4.7	4.7	5.0	5.0	5.7	4.8		
FSA 2012	1.0	4.0	8.3	56.7	82.7	6.3	6.3	8.0	23.3	53.3	2.0	4.0	6.0	5.0	5.3	5.3	5.0	4.7		
FLORATAM	1.0	5.0	10.0	79.7	99.0	6.7	6.0	8.3	36.7	66.7	2.0	3.3	5.0	4.7	5.0	5.7	6.0	4.5		
LSD VALUE	2.6	1.3	30.8	15.1	21.6	7.6	1.3	3.0	18.3	13.6	1.7	1.4	1.9	0.9	1.3	1.6	1.6	0.8		
C.V. (%)	39.7	12.0	40.8	10.2	7.5	28.9	7.0	15.2	23.1	11.0	25.5	14.8	12.8	9.9	10.7	9.9	8.9	8.5		

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.

PERCENT LIVING GROUND COVER AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
IN THE 2023 NATIONAL ST. AUGUSTINEGRASS TEST AT RALEIGH, NC 1/
2023 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE 2/

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

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 7. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
IN THE 2023 NATIONAL ST. AUGUSTINEGRASS TEST AT RALEIGH, NC 1/
2024 DATA

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

NAME	GENETIC	SUMMER	FALL	PERCENT	GROUND COVER	GRAY		QUALITY RATINGS							MEAN
	COLOR	DENSITY	DENSITY	SPRING	SUMMER	FALL	LEAF SPOT	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
DALSA 1914	8.0	8.0	8.0	91.7	99.0	99.0	9.0	5.3	8.0	7.3	9.0	9.0	9.0	7.0	7.8
COBALT	8.0	7.7	7.7	80.0	97.7	99.0	9.0	4.3	6.7	7.3	9.0	9.0	8.7	6.7	7.4
PALMETTO	8.0	8.7	8.3	85.0	98.3	99.0	8.7	5.0	7.7	7.3	8.7	8.3	8.3	6.3	7.4
FSA 1627	8.0	8.0	8.3	75.0	96.0	99.0	9.0	4.0	7.7	7.7	9.0	9.0	8.3	5.3	7.3
FSA 2026	8.0	9.0	9.0	76.7	96.0	99.0	8.7	4.0	6.7	7.3	9.0	9.0	9.0	6.0	7.3
XSA 12155	7.7	9.0	9.0	65.0	95.3	99.0	9.0	3.7	7.7	8.0	8.3	9.0	8.7	5.7	7.3
DALSA 1910	8.0	8.3	8.0	73.3	91.3	99.0	9.0	3.7	6.0	6.7	9.0	9.0	8.3	7.0	7.1
XSA 11026	8.0	8.3	8.3	75.0	98.7	99.0	9.0	4.3	6.3	7.0	8.3	9.0	8.7	6.3	7.1
DALSA 2301	8.0	8.3	8.0	83.3	99.0	77.7	9.0	4.7	7.7	7.7	9.0	8.0	7.0	5.3	7.0
FSA 1617	8.0	8.7	8.0	68.3	97.7	99.0	8.0	3.7	6.3	6.7	8.3	8.7	8.7	6.7	7.0
XSA 11027	8.0	8.0	8.0	71.7	97.3	99.0	9.0	4.0	6.7	7.0	8.0	8.7	8.3	6.0	7.0
FSA 2022	8.0	9.0	9.0	63.3	98.3	99.0	9.0	3.3	6.3	7.0	9.0	9.0	8.0	5.3	6.9
XSA 11513	7.7	8.3	8.0	71.7	98.7	99.0	9.0	4.0	7.0	7.0	8.0	8.7	8.3	5.0	6.9
FSA 1907	9.0	7.7	7.7	58.3	89.0	99.0	9.0	3.0	5.0	5.7	9.0	9.0	8.7	6.7	6.7
FSA 2012	8.0	7.7	7.3	53.3	91.0	99.0	8.0	3.3	5.3	6.3	8.0	8.0	8.7	5.7	6.5
FSA 2013	8.0	7.7	7.3	33.3	91.7	99.0	9.0	2.3	5.3	6.7	8.0	8.3	8.7	5.3	6.4
RALEIGH	8.0	8.0	7.7	63.3	94.3	98.3	9.0	3.7	6.3	6.0	8.0	7.3	7.3	4.7	6.2
FSA 2301	8.0	6.3	6.0	33.3	85.0	96.0	5.3	2.3	4.3	4.7	6.7	6.7	6.7	5.3	5.2
FLORATAM	7.0	6.3	6.7	22.7	75.0	98.0	6.0	1.3	3.7	4.7	7.0	7.0	7.3	5.0	5.1
LSD VALUE	0.3	0.7	0.7	11.5	8.2	25.1	0.7	1.0	2.0	1.5	0.7	1.0	2.5	1.7	0.8
C.V. (%)	2.4	5.6	5.9	11.6	5.2	8.7	5.1	16.5	17.7	12.6	5.3	6.9	12.0	14.1	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 7. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
(CONT'D) IN THE 2023 NATIONAL ST. AUGUSTINEGRASS TEST AT RALEIGH, NC 1/
2024 DATA

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

NAME	COLOR SEPTEMBER	COLOR OCTOBER	COLOR NOVEMBER	SEEDHEAD JULY	SEEDHEAD AUGUST	LARGE PATCH RATINGS AUGUST	OCTOBER	NOVEMBER
DALSA 1914	8.0	8.0	7.3	6.7	8.3	9.0	8.7	9.0
COBALT	8.0	7.7	6.3	6.0	8.7	9.0	9.0	9.0
PALMETTO	7.0	7.3	5.3	6.0	7.7	9.0	8.7	9.0
FSA 1627	8.0	8.0	4.7	7.7	7.7	9.0	8.3	6.7
FSA 2026	7.7	8.0	5.7	6.0	8.0	9.0	9.0	8.0
XSA 12155	7.7	7.0	4.3	7.7	8.7	9.0	9.0	9.0
DALSA 1910	8.0	8.0	6.0	7.3	9.0	9.0	9.0	9.0
XSA 11026	8.0	8.0	5.7	6.0	7.7	8.7	9.0	9.0
DALSA 2301	7.7	7.7	4.7	8.0	9.0	7.7	6.7	9.0
FSA 1617	8.3	8.0	6.0	6.3	6.7	9.0	9.0	9.0
XSA 11027	7.7	7.3	5.7	6.3	8.0	9.0	8.7	9.0
FSA 2022	7.7	8.0	4.3	6.7	8.7	9.0	8.0	9.0
XSA 11513	7.0	6.7	4.3	6.7	7.3	9.0	8.3	9.0
FSA 1907	9.0	9.0	7.7	6.0	8.0	9.0	9.0	9.0
FSA 2012	8.3	8.3	6.0	6.7	7.3	9.0	9.0	9.0
FSA 2013	7.0	6.7	4.7	7.0	8.7	9.0	9.0	9.0
RALEIGH	7.3	7.0	4.0	6.3	8.0	9.0	7.0	9.0
FSA 2301	8.0	7.0	5.3	7.0	7.3	9.0	5.7	9.0
FLORATAM	8.7	6.7	5.7	7.3	9.0	9.0	6.3	9.0
LSD VALUE	0.6	1.1	1.6	0.7	1.0	1.6	2.3	3.1
C.V. (%)	4.9	8.0	16.9	6.2	7.0	6.2	13.9	11.5

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

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

TABLE 8.

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

NAME	SEPT 27	NOV 6
XSA 11026	53.3	71.7
DALSA 1914	35.0	68.3
FSA 2026	41.7	68.3
COBALT	45.0	66.7
DALSA 2301	43.3	66.7
FSA 2013	46.7	66.7
FSA 2022	45.0	66.7
FSA 2301	36.7	66.7
XSA 11513	43.3	65.0
XSA 12155	51.7	65.0
DALSA 1910	36.7	63.3
FLORATAM	31.7	63.3
XSA 11027	48.3	63.3
FSA 1617	25.0	61.7
FSA 1907	36.7	61.7
FSA 1627	38.3	60.0
RALEIGH	31.7	60.0
FSA 2012	33.3	58.3
PALMETTO	31.7	58.3
LSD VALUE	14.0	23.0
C.V. (%)	19.0	11.2

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. SOD STRENGTH AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
IN THE 2023 NATIONAL ST. AUGUSTINEGRASS TEST 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 10.

PERCENT LIVING GROUND COVER AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
IN THE 2023 NATIONAL ST. AUGUSTINEGRASS TEST AT STILLWATER, OK 1/
2023 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE 2/

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

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.

PERCENT LIVING GROUND COVER AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
IN THE 2023 NATIONAL ST. AUGUSTINEGRASS TEST AT STILLWATER, OK 1/
2024 DATA

ESTABLISHMENT RATINGS 1-9; 9=FULL COVERAGE 2/

NAME	PERCET WINTER KILL	AUG 16	AUG 22	JUL 26	AUG 12	AUG 22	SEPT 6	OCT 2	PERCENT GROUND COVER SPRING	COVER FALL
FSA 2013	99.0	45.0	48.3	2.3	4.0	4.0	7.0	8.0	0.0	96.0
FLORATAM	99.0	44.3	53.3	2.0	4.0	4.0	7.3	8.0	0.0	95.0
FSA 1617	98.3	33.3	40.0	2.3	3.0	3.7	6.0	8.0	1.3	94.3
FSA 1627	98.3	39.3	41.7	2.0	3.7	3.3	6.7	7.7	1.3	93.3
RALEIGH	84.0	33.7	36.7	2.0	3.3	3.3	5.7	8.0	15.0	93.3
XSA 11026	99.0	46.0	56.7	2.7	3.7	3.7	6.3	8.0	0.3	93.3
XSA 11027	98.3	34.3	41.7	2.0	3.3	4.0	5.0	8.0	1.0	93.3
XSA 11513	98.7	38.3	41.7	2.3	3.3	4.3	6.7	8.0	0.7	93.3
XSA 12155	98.7	36.0	48.3	2.0	3.3	4.0	7.0	8.0	0.7	93.3
DALSA 1910	99.0	36.0	35.0	3.0	3.3	3.3	5.7	8.0	0.0	91.0
FSA 2301	97.7	36.0	40.0	2.0	3.7	3.3	5.3	7.7	1.7	91.0
PALMETTO	92.0	36.0	43.3	2.0	3.3	3.3	6.7	7.7	13.3	90.0
DALSA 2301	99.0	40.0	43.3	2.3	3.7	3.7	5.3	7.0	0.0	83.3
FSA 2026	98.3	31.0	30.0	2.7	3.0	3.0	4.3	7.0	1.3	83.3
DALSA 1914	98.7	34.3	33.3	2.3	3.0	2.7	3.7	7.0	0.7	80.0
FSA 1907	99.0	33.3	31.7	2.0	3.3	2.3	4.0	6.7	0.0	80.0
FSA 2022	99.0	30.0	25.0	2.0	3.0	3.0	3.0	7.0	0.0	80.0
COBALT	99.0	32.7	26.7	2.0	3.0	3.0	4.0	6.7	0.0	78.3
FSA 2012	99.0	33.3	26.7	2.3	3.0	2.3	3.3	6.3	0.0	75.0
LSD VALUE	5.0	15.2	19.7	0.9	1.6	1.9	2.3	0.9	5.0	10.2
C.V. (%)	3.0	17.3	25.3	17.2	16.3	23.1	23.7	7.1	155.2	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.

3/ PLOT WAS RESEEDDED 7/22/2024.

TABLE 12.

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

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

NAME	GENETIC	LEAF	LEAF SPOT	COLOR	PERCENT ESTABLISHMENT AUGUST-DECEMBER 2023						AUG	QUALITY RATINGS				MEAN
	COLOR	TEXTURE		DECEMBER	AUG 21	SEPT 11	SEPT 25	OCT 16	NOV 16	DEC 1		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 13.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
IN THE 2023 NATIONAL ST. AUGUSTINEGRASS TEST 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 RATINGS				MEAN
										JUN	JUL	OCT	NOV	
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 13. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
(CONT'D) IN THE 2023 NATIONAL ST. AUGUSTINEGRASS TEST 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 DRODOWN	QUALITY 26 DAYS INTO DRODOWN	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 14. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
IN THE 2023 NATIONAL ST. AUGUSTINEGRASS TEST AT COLLEGE STATION, TX 1/
2023 DATA

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

NAME	GRAY	PERCENT ESTABLISHMENT		QUALITY RATINGS				MEAN
	LEAF SPOT	SUMMER	FALL	AUG	OCT	NOV	DEC	
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 15.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
IN THE 2023 NATIONAL ST. AUGUSTINEGRASS TEST AT COLLEGE STATION, TX 1/
2024 DATA

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

NAME	GREENUP	GRAY	PERCENT ESTABLISHMENT			QUALITY RATINGS										MEAN
		LEAF SPOT	SPRING	SUMMER	FALL	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DALSA 2301	2.3	7.0	26.7	60.0	76.7	4.3	4.0	6.7	7.0	6.0	6.0	6.0	6.0	6.7	5.0	5.8
FSA 1617	1.3	7.0	43.3	78.3	97.3	4.0	3.0	6.3	6.7	6.3	7.0	7.0	5.7	7.0	5.3	5.8
FLORATAM	1.7	3.3	25.0	81.7	96.0	4.0	2.3	6.3	6.3	6.0	6.7	7.3	6.0	6.7	5.7	5.7
XSA 11026	2.3	9.0	45.0	81.7	97.3	5.3	3.0	6.3	7.0	6.0	6.7	6.0	5.7	5.7	5.0	5.7
COBALT	2.0	7.7	36.7	68.3	89.3	4.0	3.3	6.7	6.7	6.0	6.7	5.3	6.0	6.3	5.0	5.6
DALSA 1910	1.7	7.7	35.0	75.0	92.7	3.7	3.0	6.7	6.7	6.3	6.0	5.7	6.0	6.7	5.3	5.6
FSA 2012	2.0	8.3	26.7	40.0	76.7	4.3	2.7	6.3	6.3	6.0	6.3	6.3	6.0	6.3	5.3	5.6
PALMETTO	1.7	6.0	25.0	50.0	83.3	3.3	2.7	6.0	7.0	6.3	6.7	5.7	5.7	6.7	5.7	5.6
XSA 11027	1.7	7.3	28.3	70.0	89.3	4.3	3.3	6.0	7.0	6.0	6.7	6.0	5.7	6.0	5.0	5.6
XSA 11513	1.7	8.3	33.3	76.7	94.0	4.3	2.7	6.0	6.7	6.3	6.7	6.0	5.7	5.7	5.7	5.6
DALSA 1914	1.7	5.3	31.7	65.0	89.7	4.0	2.3	5.7	6.7	6.3	6.3	5.7	5.3	7.0	5.7	5.5
FSA 1627	1.7	6.0	16.7	41.7	80.0	2.7	2.7	6.0	7.0	6.0	6.0	6.3	5.7	6.0	5.3	5.4
FSA 2301	1.7	5.3	26.7	73.3	88.0	3.7	2.7	6.7	7.0	6.0	5.3	5.3	5.7	5.7	5.7	5.4
RALEIGH	1.7	5.0	45.0	75.0	97.7	3.7	2.7	6.0	6.3	6.3	5.7	5.7	5.7	6.3	5.7	5.4
FSA 2013	1.3	5.3	28.3	83.3	98.7	2.7	2.7	6.0	6.7	6.3	6.0	6.0	6.0	6.0	5.0	5.3
XSA 12155	2.3	6.0	36.7	68.3	74.7	5.0	3.3	6.0	6.7	6.0	5.7	5.0	4.0	5.0	5.0	5.2
FSA 1907	1.3	6.7	16.7	28.3	60.0	2.7	1.7	5.3	6.0	6.0	5.3	6.0	5.3	5.7	5.3	4.9
FSA 2026	1.3	8.3	23.3	38.3	63.3	2.3	1.7	4.3	5.7	6.3	6.0	5.7	4.7	6.0	6.0	4.9
FSA 2022	1.0	5.0	18.3	21.7	43.3	2.7	2.0	3.7	3.7	4.0	3.3	3.7	3.7	4.0	3.7	3.4
LSD VALUE	1.5	3.3	17.3	25.6	42.7	4.7	1.4	2.7	1.7	2.0	3.3	1.9	2.1	2.2	2.4	1.4
C.V. (%)	32.7	25.2	30.3	24.6	22.8	41.1	25.1	18.4	13.3	12.7	20.6	15.4	16.2	15.8	15.8	12.2

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.