

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 American Sod Producers Association, one member from the United States Golf Association (USGA) Green Section, one member from the Turfgrass Breeders Association, an executive director and a national program coordinator. 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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1996 NATIONAL ST. AUGUSTINEGRASS TEST

LOCATIONS SUBMITTING DATA FOR 1999

<u>State</u>	<u>Location</u>	<u>Code</u>
Alabama	Auburn	AL1
Arizona	Tucson	AZ1
Florida	Gainesville	FL1
Mississippi	Mississippi State	MS1
North Carolina	Raleigh	NC1
Texas	College Station	TX2

1996 National St. Augustinegrass Test

Entries and Sponsors

Entry No.	Name	Sponsor
1	Delmar	Standard entry
2	Raleigh	Standard entry
3	6-89-70	The Scotts Company
4	6-89-174	The Scotts Company
5	6-89-175	The Scotts Company
6	6-89-194	The Scotts Company
7	6-89-196	The Scotts Company
8	Floritam	Standard entry

TABLE A.

1999 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 1996 NATIONAL ST. AUGUSTINEGRASS TEST

LOCATION	SOIL TEXTURE	SOIL PH	SOIL PHOSPHOROUS (LBS/ACRE)	SOIL POTASSIUM (LBS/ACRE)	NITROGEN (LBS/1000 SQ FT)	SUN OR SHADE	MOWING HEIGHT (IN)	IRRIGATION PRACTICED
AL1	LOAMY SAND	5.6-6.0	61-150	241-375	5.1-6.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
AZ1	SANDY LOAM	7.6-8.5	0-60	501+	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
FL1	LOAMY SAND	7.1-7.5	271-450	151-240	2.1-3.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
LA2	SAND	6.6-7.0	0-60	0-150	-	FULL SUN	2.1-2.5	TO PREVENT STRESS
MS1	SANDY CLAY LOAM	6.1-6.5	151-270	0-150	4.1-5.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NC1	-	-	-	-	-	-	-	-
TX2	SANDY LOAM	7.6-8.5	0-60	0-150	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 1999

LOCATION	JANUARY QUALITY RATING	FEBRUARY QUALITY RATING	MARCH QUALITY RATING	APRIL QUALITY RATING	MAY QUALITY RATING	JUNE QUALITY RATING	JULY QUALITY RATING	AUGUST QUALITY RATING	SEPTEMBER QUALITY RATING	OCTOBER QUALITY RATING	NOVEMBER QUALITY RATING	DECEMBER QUALITY RATING	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SPRING DENSITY
AL1			X	X	X	X	X	X	X	X			X	X	X	
AZ1				X	X	X	X	X	X	X			X	X	X	X
FL1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LA2				X	X	X	X	X	X	X	X		X	X	X	X
MS1				X	X	X	X	X	X	X			X	X	X	
NC1				X	X	X	X	X	X	X	X				X	X
TX2				X	X	X	X	X	X	X	X		X		X	X

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1999

LOCATION	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	WINTER KILL	LEAF SPOT	BROWN PATCH (WARM TEMP.)	GRAY LEAF SPOT	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	SEEDHEAD RATING	MOWING QUALITY
AL1			X	X	X	X										
AZ1	X	X	X	X												X
FL1	X	X	X	X	X	X				X	X	X	X	X	X	
LA2	X	X	X	X	X											
MS1							X									
NC1	X			X				X								
TX2	X	X	X	X	X	X	X	X	X							

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
GROWN AT SEVEN LOCATIONS IN THE U.S. 1/
1999 DATA

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

NAME	AL1	AZ1	FL1	LA2	MS1	NC1	TX2	MEAN
* FLORATAM	5.0	4.9	5.8	6.7	4.8	5.0	4.8	5.3
* DELMAR	4.4	5.7	4.6	5.6	5.0	5.5	5.8	5.2
* RALEIGH	5.5	5.2	5.0	5.9	4.0	4.7	5.6	5.1
6-89-70	5.0	5.0	5.1	6.7	3.1	5.3	5.5	5.1
6-89-175	3.5	6.4	4.2	.	2.9	3.8	5.9	4.4
6-89-174	2.7	5.9	1.9	.	2.0	3.4	5.0	3.5
6-89-196	2.5	5.6	1.8	.	2.0	3.0	4.6	3.2
6-89-194	2.1	3.5	2.1	.	2.4	3.8	4.2	3.0
LSD VALUE	2.2	1.1	1.3	0.5	1.1	1.0	0.9	0.5
C.V. (%)	36.1	13.0	21.0	4.6	20.2	15.1	10.8	18.4

* COMMERCIALY AVAILABLE IN THE USA IN 2000.

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS FOR EACH
MONTH GROWN AT SEVEN LOCATIONS IN THE U.S. 1/
1999 DATA

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

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
FLORATAM	4.3	4.0	3.5	4.5	5.0	5.7	6.1	6.0	5.9	5.8	4.9	2.0	5.3
DELMAR	4.0	4.0	3.8	4.7	5.5	6.1	5.8	5.5	5.4	5.0	4.5	1.7	5.2
RALEIGH	3.3	2.3	3.8	4.9	5.2	5.9	5.8	5.5	5.4	5.0	4.8	2.3	5.1
6-89-70	3.3	3.3	3.2	4.3	4.6	5.3	5.8	6.0	6.0	5.4	4.6	2.0	5.0
6-89-175	2.3	1.7	3.8	3.4	4.1	5.3	5.1	4.7	4.8	4.5	5.1	2.3	4.4
6-89-174	1.3	2.0	2.5	2.6	3.0	3.8	3.9	3.8	3.7	3.6	3.6	1.3	3.5
6-89-196	1.0	1.0	2.3	2.3	2.7	3.4	3.7	3.8	3.7	3.4	3.0	1.3	3.2
6-89-194	1.3	2.3	2.8	2.5	2.5	3.4	3.5	3.4	3.1	3.1	3.7	1.3	3.0
LSD VALUE	1.0	2.4	1.4	0.9	0.9	1.1	1.0	1.1	1.1	1.0	1.3	1.3	0.8
C.V. (%)	23.3	57.0	38.1	36.1	33.2	34.5	32.8	35.5	36.8	33.2	34.9	44.1	28.2

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. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS GROWN AT SEVEN LOCATIONS IN THE U.S. 1/
1999 DATA

QUALITY RANKINGS; 1=HIGHEST MEAN; STATE LOCATIONS REPORTING 2/

NAME	AL1	AZ1	FL1	LA2	MS1	NC1	TX2	MEAN
FLORATAM	3	7	1	2	2	3	6	1
DELMAR	4	3	4	4	1	1	2	2
RALEIGH	1	5	3	3	3	4	3	3
6-89-70	2	6	2	1	4	2	4	4
6-89-175	5	1	5	.	5	6	1	5
6-89-174	6	2	7	.	7	7	5	6
6-89-196	7	4	8	.	8	8	7	7
6-89-194	8	8	6	.	6	5	8	8

- 1/ THIS TABLE CONTAINS NO STATISTICAL VALUES (LSD VALUES) THEREFORE IT SHOULD ONLY BE USED TO DETERMINE THE GENERAL PERFORMANCE OF AN ENTRY OR ENTRIES ACROSS SEVERAL LOCATIONS OR REGIONS. TO ASSESS STATISTICAL DIFFERENCES AMONG ENTRIES, REFER TO THE MEANS AND LSD VALUES FOUND IN TABLE 1.
- 2/ RANKING OF MEAN TURFGRASS QUALITY IS ACHIEVED BY ASSIGNING "1" TO THE HIGHEST MEAN, "2" TO THE SECOND HIGHEST MEAN, ETC. FOR EACH LOCATION. FOR EXAMPLE, IF TWO MEANS ARE TIED FOR THE SECOND AND THIRD RANKS, BOTH ARE ASSIGNED "2.5".

TABLE 4. GENETIC COLOR RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

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

NAME	AL1	AZ1	FL1	LA2	MS1	TX2	MEAN
6-89-196	4.0	8.0	6.7	.	7.0	7.0	6.5
6-89-175	6.7	8.3	5.3	.	6.3	6.0	6.5
DELMAR	5.7	7.0	6.0	7.5	6.0	5.7	6.3
6-89-174	3.7	8.0	5.3	.	6.3	6.0	5.9
6-89-70	6.0	5.7	5.3	.	6.0	5.7	5.7
FLORATAM	5.0	7.0	5.7	6.3	5.3	4.3	5.6
RALEIGH	5.0	6.0	4.7	6.0	5.7	5.0	5.4
6-89-194	3.0	6.0	5.3	.	7.0	5.0	5.3
LSD VALUE	2.8	1.2	1.0	0.8	0.7	0.8	0.7
C.V. (%)	36.3	10.9	11.6	7.3	6.6	9.0	15.8

- 1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).
- 2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

TABLE 5. SPRING GREENUP RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

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

NAME	AL1	AZ1	FL1	LA2	MS1	MEAN
DELMAR	5.3	4.3	4.7	8.0	4.3	5.3
RALEIGH	4.3	5.0	4.0	6.3	3.7	4.7
FLORATAM	1.7	4.0	4.7	6.0	3.7	4.0
6-89-70	3.0	5.0	4.7	3.5	3.0	3.8
6-89-175	3.7	4.3	2.7	.	3.0	3.4
6-89-174	1.7	4.3	2.0	.	2.7	2.7
6-89-194	3.0	2.7	2.3	.	2.7	2.7
6-89-196	1.0	4.3	1.0	.	3.0	2.3
LSD VALUE	3.8	1.8	1.4	3.8	0.9	1.1
C.V. (%)	79.9	25.9	25.9	31.1	17.8	38.8

TABLE 6. LEAF TEXTURE RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

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

NAME	AL1	AZ1	FL1	LA2	MS1	NC1	TX2	MEAN
6-89-196	2.7	7.3	9.0	.	8.0	6.3	8.0	6.9
6-89-175	2.0	8.0	7.7	.	7.0	6.0	7.7	6.4
6-89-194	3.0	6.3	7.3	.	7.0	5.7	7.3	6.1
6-89-174	2.7	6.7	7.7	.	6.7	5.0	7.3	6.0
DELMAR	4.3	5.7	5.3	6.0	6.0	4.0	5.3	5.2
RALEIGH	4.3	5.3	5.0	5.7	5.7	4.3	5.3	5.1
6-89-70	3.7	4.3	6.7	3.0	6.0	3.7	6.3	4.8
FLORATAM	4.3	5.0	2.7	4.0	4.0	3.0	4.0	3.9
LSD VALUE	1.0	0.8	1.0	3.0	0.5	0.7	0.8	0.4
C.V. (%)	18.1	8.2	9.5	31.3	4.6	8.6	7.8	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.

TABLE 7. SPRING DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

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

NAME	AZ1	FL1	LA2	NC1	TX2	MEAN
6-89-70	6.0	6.0	6.0	4.7	6.0	5.7
DELMAR	5.7	6.3	3.0	5.0	6.0	5.2
RALEIGH	6.3	5.7	3.7	4.7	5.7	5.2
6-89-175	3.3	7.0	.	3.3	7.0	5.2
FLORATAM	3.7	6.3	4.3	4.3	4.7	4.7
6-89-174	4.0	2.7	.	4.0	6.7	4.3
6-89-194	2.0	2.3	.	4.0	7.7	4.0
6-89-196	2.0	1.0	.	2.7	8.0	3.4
LSD VALUE	2.3	0.9	1.7	1.4	1.2	0.7
C.V. (%)	34.6	12.4	22.2	20.6	11.4	19.9

TABLE 8. SUMMER DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

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

NAME	AZ1	FL1	LA2	NC1	TX2	MEAN
6-89-70	5.0	7.3	7.0	6.3	6.3	6.4
6-89-175	6.7	6.7	.	4.0	7.0	6.1
DELMAR	6.3	6.3	3.5	6.7	6.7	5.9
RALEIGH	6.0	6.7	4.0	5.7	5.7	5.6
FLORATAM	5.0	6.3	4.7	5.7	5.3	5.4
6-89-174	6.3	1.7	.	4.7	7.3	5.0
6-89-196	6.0	1.0	.	3.3	8.0	4.6
6-89-194	4.7	2.0	.	4.3	7.3	4.6
LSD VALUE	1.3	1.5	2.2	1.7	1.0	0.7
C.V. (%)	14.2	19.7	25.8	21.2	9.1	16.7

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 9. FALL DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

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

NAME	AZ1	FL1	LA2	TX2	MEAN
6-89-175	7.7	7.0	.	7.7	7.4
6-89-70	5.0	7.3	7.5	6.7	6.6
FLORATAM	4.7	7.0	5.0	6.7	5.8
DELMAR	5.7	6.7	3.5	7.3	5.8
RALEIGH	5.0	7.0	4.0	6.3	5.6
6-89-196	7.3	1.0	.	8.0	5.4
6-89-194	7.0	1.3	.	7.3	5.2
6-89-174	7.0	1.3	.	7.0	5.1
LSD VALUE	1.3	0.9	2.6	1.0	0.7
C.V. (%)	12.3	11.2	29.4	8.6	13.3

TABLE 10. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AL1	AZ1	FL1	LA2	TX2	MEAN
6-89-70	83.0	68.3	31.7	52.5	67.7	60.6
DELMAR	83.3	63.3	46.7	17.5	90.0	60.2
RALEIGH	86.3	71.7	37.7	21.7	66.0	56.7
FLORATAM	92.7	46.7	41.0	30.0	61.7	54.4
6-89-196	73.3	28.3	36.0	.	45.0	45.7
6-89-175	59.7	43.3	25.7	.	43.3	43.0
6-89-174	43.0	48.3	8.7	.	53.3	38.3
6-89-194	46.3	26.7	10.3	.	8.3	22.9
LSD VALUE	47.7	24.2	33.3	23.1	31.7	16.4
C.V. (%)	41.8	30.4	69.6	42.3	36.2	43.6

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 11. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AL1	AZ1	FL1	LA2	NC1	TX2	MEAN
6-89-70	89.7	85.7	97.7	65.0	94.7	99.0	88.6
FLORATAM	86.3	78.3	99.0	41.7	97.0	99.0	83.6
RALEIGH	93.0	89.0	96.0	26.7	96.0	99.0	83.3
6-89-175	50.0	75.0	96.3	.	75.0	99.0	79.1
DELMAR	70.0	83.0	88.7	30.0	98.0	99.0	78.1
6-89-174	36.3	75.7	68.3	.	76.7	99.0	71.2
6-89-196	26.7	65.7	63.3	.	56.7	98.3	62.1
6-89-194	16.7	59.0	44.3	.	88.3	97.3	61.1
LSD VALUE	46.1	13.7	38.9	27.3	22.0	1.8	12.5
C.V. (%)	48.9	11.2	29.6	37.2	16.1	1.1	23.6

TABLE 12. PERCENT LIVING GROUND COVER (FALL) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AL1	FL1	LA2	TX2	MEAN
6-89-70	86.0	90.0	80.0	94.3	87.6
FLORATAM	84.7	90.0	56.7	99.0	82.6
RALEIGH	73.0	90.0	31.7	94.3	72.3
6-89-175	26.7	90.0	.	99.0	71.9
DELMAR	46.7	82.3	37.5	99.0	66.4
6-89-174	30.0	64.0	.	99.0	64.3
6-89-196	26.7	55.0	.	99.0	60.2
6-89-194	3.3	42.7	.	99.0	48.3
LSD VALUE	44.1	32.9	30.2	6.5	17.2
C.V. (%)	58.2	27.1	32.7	4.1	27.8

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. WINTER COLOR RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

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

NAME	AL1	FL1	TX2	MEAN
6-89-196	2.3	7.0	2.3	3.9
DELMAR	2.3	5.3	3.7	3.8
6-89-174	2.7	6.3	2.0	3.7
RALEIGH	2.0	4.7	3.7	3.4
6-89-175	1.3	6.3	2.0	3.2
FLORATAM	1.7	5.7	2.0	3.1
6-89-194	1.7	5.7	1.7	3.0
6-89-70	1.7	5.7	1.7	3.0
LSD VALUE	2.6	0.9	0.7	0.9
C.V. (%)	81.4	9.3	19.2	29.7

TABLE 14. PERCENT WINTER KILL RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

PERCENT WINTER KILL RATINGS: LOCATIONS 2/

NAME	MS1	NC1	TX2	MEAN
6-89-194	83.3	36.7	46.7	55.6
6-89-196	86.7	50.0	21.7	52.8
6-89-174	80.0	50.0	19.3	49.8
FLORATAM	70.0	36.7	41.7	49.4
6-89-175	75.0	41.7	16.7	44.4
6-89-70	83.3	23.3	26.7	44.4
RALEIGH	70.0	31.7	18.3	40.0
DELMAR	53.3	23.3	4.3	27.0
LSD VALUE	17.4	24.3	21.9	12.3
C.V. (%)	14.4	41.2	55.7	29.2

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 15. LEAF SPOT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

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

NAME	TX2
6-89-196	8.3
6-89-194	8.0
6-89-70	8.0
FLORATAM	8.0
DELMAR	7.0
6-89-174	6.7
RALEIGH	6.7
6-89-175	6.0
LSD VALUE	1.0
C.V. (%)	8.4

TABLE 16. BROWN PATCH (WARM TEMPERATURE) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

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

NAME	TX2
6-89-174	9.0
6-89-175	9.0
6-89-194	9.0
6-89-196	9.0
DELMAR	9.0
FLORATAM	9.0
6-89-70	8.3
RALEIGH	8.3
LSD VALUE	0.9
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 17. GRAY LEAF SPOT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

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

NAME	FL1
6-89-196	8.0
6-89-70	8.0
FLORATAM	7.7
6-89-194	7.0
6-89-175	6.3
RALEIGH	6.3
6-89-174	4.3
DELMAR	3.3
LSD VALUE	1.2
C.V. (%)	12.0

TABLE 18. FALL COLOR (SEPTEMBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

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

NAME	AL1	FL1	MEAN
6-89-70	6.7	6.7	6.7
6-89-175	6.3	6.3	6.3
DELMAR	4.7	5.7	5.2
RALEIGH	4.0	6.0	5.0
6-89-174	3.7	6.0	4.8
6-89-194	2.7	6.7	4.7
FLORATAM	3.0	6.3	4.7
6-89-196	2.0	6.7	4.3
LSD VALUE	3.0	1.1	1.6
C.V. (%)	45.9	11.2	27.4

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 19. FALL COLOR (OCTOBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

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

NAME	FL1
6-89-175	6.3
6-89-194	6.3
6-89-70	6.3
6-89-174	6.0
6-89-196	6.0
FLORATAM	6.0
RALEIGH	6.0
DELMAR	5.7
LSD VALUE	1.2
C.V. (%)	12.1

TABLE 20. FALL COLOR (NOVEMBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

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

NAME	FL1
6-89-70	6.3
6-89-174	6.0
6-89-175	6.0
6-89-194	6.0
DELMAR	6.0
FLORATAM	6.0
RALEIGH	5.7
6-89-196	5.3
LSD VALUE	1.0
C.V. (%)	10.3

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 21. FALL COLOR (DECEMBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

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

NAME	AL1	FL1	MEAN
6-89-174	3.7	6.0	4.8
DELMAR	3.3	5.7	4.5
6-89-70	2.7	6.0	4.3
6-89-194	2.7	5.7	4.2
RALEIGH	3.0	5.3	4.2
6-89-175	2.0	6.0	4.0
6-89-196	3.0	5.0	4.0
FLORATAM	2.3	5.7	4.0
LSD VALUE	2.8	1.2	1.5
C.V. (%)	60.7	13.0	31.1

TABLE 22. SEEDHEAD RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	FL1
FLORATAM	8.0
6-89-196	7.0
DELMAR	7.0
6-89-70	6.0
6-89-175	4.7
RALEIGH	4.7
6-89-174	3.3
6-89-194	3.3
LSD VALUE	1.4
C.V. (%)	16.2

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 23. MOWING QUALITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
1999 DATA

MOWING QUALITY RATINGS 1-9; 9=CLEANEST CUT 2/

NAME	AZ1
RALEIGH	4.0
DELMAR	3.7
FLORATAM	3.7
6-89-175	2.7
6-89-70	2.7
6-89-174	2.3
6-89-196	2.0
6-89-194	1.5
LSD VALUE	1.6
C.V. (%)	34.1

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.