

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 1997

<u>State</u>	<u>Location</u>	<u>Code</u>
Alabama	Auburn	AL1
Arizona	Tucson	AZ1
Florida	Gainesville	FL1
Louisiana	Calhoun	LA2
Mississippi	Mississippi State	MS1
North Carolina	Raleigh	NC1
Texas	College Station	TX1

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.

1997 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	SANDY LOAM	6.1-6.5	61-150	241-375	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
AZ1	SANDY CLAY 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	3.1-4.0	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	6.6-7.0	151-270	241-375	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT DORMANCY
NC1	-	-	-	-	-	-	-	-
TX2	SANDY LOAM	7.6-8.5	61-150	0-150	4.1-5.0	FULL SUN	2.6-3.0	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 1997

LOCATION	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	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY
AL1	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
LA2	X	X	X	X	X	X	X		X	X	X				
MS1			X	X	X	X	X		X		X				
NC1						X	X	X	X		X				
TX2	X	X	X	X	X	X	X		X	X	X	X	X	X	X

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 1997

LOCATION	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	PERCENT WINTER KILL	LEAF SPOT	BROWN PATCH	PERCENT ESTABLISHMENT AFTER PLANTING		ESTABLISHMENT JUNE	ESTABLISHMENT JULY	ESTABLISHMENT AUGUST	ESTABLISHMENT OCTOBER
								5 WEEKS	11 WEEKS				
AL1	X	X	X	X	X	X							
AZ1	X	X	X										
FL1	X	X	X	X									
LA2	X	X	X										
MS1								X	X				
NC1										X	X	X	X
TX2	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/
1997 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/							MEAN
	AL1	AZ1	FL1	LA2	MS1	NC1	TX2	
6-89-70	5.3	4.5	5.9	6.5	6.1	4.6	5.7	5.5
* RALEIGH	5.3	4.3	6.4	6.6	6.7	3.7	5.1	5.4
6-89-175	5.6	5.1	4.1	5.8	5.9	5.1	4.8	5.2
* DELMAR	3.7	4.6	6.4	6.2	6.2	3.9	5.0	5.2
* FLORATAM	3.8	4.4	6.1	5.4	5.0	6.1	4.7	5.1
6-89-194	4.9	3.7	2.8	5.8	4.7	5.7	4.6	4.6
6-89-196	6.1	4.7	2.4	6.2	5.3	3.3	3.4	4.5
6-89-174	4.1	3.8	2.1	5.6	4.1	6.3	3.8	4.3
LSD VALUE	2.2	0.8	1.0	0.5	0.9	0.4	0.8	0.4
C.V. (%)	28.6	10.7	13.4	4.8	10.3	5.6	10.7	13.7

* COMMERCIALY AVAILABLE IN THE USA IN 1998.

TABLE 2. MEAN TURFGRASS QUALITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS FOR EACH
MONTH GROWN AT SEVEN LOCATIONS IN THE U.S. 1/
1997 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 2/								MEAN
	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
6-89-70	4.6	6.2	6.2	5.8	5.5	5.2	5.6	6.3	5.5
RALEIGH	5.2	5.9	5.6	5.6	5.7	5.5	5.8	4.7	5.4
6-89-175	4.9	5.7	4.8	4.9	5.7	5.2	5.3	4.3	5.2
DEIMAR	4.4	5.1	5.3	5.3	5.2	5.5	5.7	5.3	5.2
FLORATAM	3.8	5.2	4.7	4.8	5.1	5.4	5.7	6.0	5.1
6-89-194	4.3	5.4	4.7	4.6	4.7	4.2	4.7	2.0	4.6
6-89-196	4.0	5.5	4.7	4.4	5.0	4.4	4.1	2.0	4.5
6-89-174	3.9	5.2	4.1	3.7	4.2	4.3	4.3	2.0	4.3
LSD VALUE	1.5	1.3	0.9	1.0	0.9	1.1	0.9	1.0	0.7
C.V. (%)	35.7	29.8	26.7	30.2	29.4	32.5	23.2	15.8	23.8

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 3. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
GROWN AT SEVEN LOCATIONS IN THE U.S. 1/
1997 DATA

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

NAME	AL1	AZ1	FL1	LA2	MS1	NC1	TX2	MEAN
6-89-70	3	4	4	2.0	3	5	1	1
RALEIGH	4	6	2	1.0	1	7	2	2
6-89-175	2	1	5	5.0	4	4	4	3
DELMAR	8	3	1	3.5	2	6	3	4
FLORATAM	7	5	3	8.0	6	2	5	5
6-89-194	5	8	6	6.0	7	3	6	6
6-89-196	1	2	7	3.5	5	8	8	7
6-89-174	6	7	8	7.0	8	1	7	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
1997 DATA 1/

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

NAME	AL1	AZ1	FL1	LA2	MS1	NC1	TX2	MEAN
6-89-196	8.0	8.0	8.0	7.3	6.7	6.0	8.0	7.4
6-89-175	6.7	7.7	6.0	7.0	6.7	5.7	8.0	6.8
6-89-174	5.7	6.3	7.0	7.0	6.0	6.0	7.3	6.5
6-89-194	6.3	6.7	6.3	7.7	6.0	5.0	7.0	6.4
DELMAR	5.0	6.3	7.0	7.7	6.0	5.3	7.0	6.3
6-89-70	6.7	6.3	6.0	7.3	6.0	5.7	6.0	6.3
FLORATAM	4.7	5.7	5.7	6.3	5.0	6.0	4.7	5.4
RALEIGH	6.0	4.7	3.7	6.0	6.0	5.7	5.7	5.4
LSD VALUE	3.6	1.0	1.0	0.9	0.5	0.7	1.4	0.6
C.V. (%)	36.4	10.0	9.9	8.2	4.8	7.2	12.9	15.9

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

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

TABLE 5. SPRING GREENUP RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
1997 DATA 1/

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

NAME	AL1	AZ1	FL1	LA2	TX2	MEAN
DELMAR	4.0	5.3	7.3	7.3	6.7	6.1
6-89-70	4.3	4.3	9.0	7.3	4.3	5.9
RALEIGH	4.0	4.3	9.0	6.0	5.0	5.7
6-89-175	5.0	5.3	6.7	6.0	4.7	5.5
FLORATAM	4.0	5.0	8.0	6.0	4.3	5.5
6-89-194	4.0	4.3	4.7	7.0	3.3	4.7
6-89-174	4.7	4.3	3.7	6.7	2.7	4.4
6-89-196	4.3	5.7	4.0	5.7	2.3	4.4
LSD VALUE	2.3	1.0	1.0	1.0	1.0	0.6
C.V. (%)	34.0	13.4	9.9	9.9	15.5	16.5

TABLE 6. LEAF TEXTURE RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
1997 DATA 1/

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

NAME	AL1	AZ1	FL1	LA2	MS1	NC1	TX2	MEAN
6-89-196	8.0	7.3	8.7	9.0	8.0	7.0	7.0	7.9
6-89-175	6.7	7.0	8.0	9.0	6.7	4.3	5.7	6.8
6-89-194	4.3	6.3	7.3	9.0	7.0	4.0	5.3	6.2
6-89-174	3.3	5.7	7.3	9.0	7.0	4.0	6.0	6.0
6-89-70	3.7	4.3	6.7	7.7	7.0	6.0	5.3	5.8
RALEIGH	5.7	4.3	4.7	5.7	5.3	6.0	4.3	5.1
DELMAR	3.0	4.3	4.7	5.7	5.7	6.0	4.0	4.8
FLORATAM	1.7	4.3	1.7	4.0	4.0	5.3	4.3	3.6
LSD VALUE	4.0	0.9	1.0	1.5	0.6	0.5	0.9	0.7
C.V. (%)	54.5	9.9	10.5	12.7	5.6	5.4	11.0	18.8

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. SEEDLING VIGOR RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
1997 DATA 1/

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/				
NAME	AZ1	FL1	TX2	MEAN
RALEIGH	5.3	9.0	5.7	6.7
FLORATAM	4.0	7.7	6.0	5.9
6-89-70	4.0	9.0	4.3	5.8
DELMAR	4.7	7.3	4.0	5.3
6-89-175	3.7	6.3	5.0	5.0
6-89-174	2.7	3.3	3.0	3.0
6-89-194	2.0	3.7	3.0	2.9
6-89-196	2.0	3.7	2.0	2.6
LSD VALUE	1.7	1.1	1.9	0.9
C.V. (%)	30.5	11.3	28.0	21.6

TABLE 8. SPRING DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
1997 DATA 1/

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/	
NAME	TX2
FLORATAM	4.0
6-89-175	3.7
RALEIGH	3.7
6-89-194	3.3
6-89-70	3.3
6-89-174	3.0
DELMAR	3.0
6-89-196	2.7
LSD VALUE	0.9
C.V. (%)	17.3

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 9. SUMMER DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
1997 DATA 1/

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

NAME	AZ1	FL1	TX2	MEAN
6-89-196	7.7	6.3	7.7	7.2
6-89-175	6.3	6.7	8.0	7.0
DELMAR	4.3	7.0	8.0	6.4
6-89-70	5.0	6.0	8.0	6.3
6-89-194	5.3	4.7	8.0	6.0
RALEIGH	4.7	6.0	6.7	5.8
6-89-174	4.7	4.3	8.0	5.7
FLORATAM	4.3	5.7	5.0	5.0
LSD VALUE	1.8	1.1	0.7	0.8
C.V. (%)	21.5	11.6	6.2	13.1

TABLE 10. FALL DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
1997 DATA 1/

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

NAME	AZ1	FL1	TX2	MEAN
DELMAR	6.7	7.3	6.7	6.9
6-89-175	7.0	6.3	7.0	6.8
6-89-70	6.3	6.3	7.0	6.6
RALEIGH	6.0	7.3	5.7	6.3
6-89-196	6.7	6.0	5.7	6.1
6-89-174	6.0	5.0	6.7	5.9
6-89-194	4.3	5.0	7.3	5.6
FLORATAM	5.3	6.3	4.7	5.4
LSD VALUE	1.8	1.1	1.3	0.8
C.V. (%)	18.2	10.9	12.5	14.1

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 11. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
1997 DATA 1/

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AL1	AZ1	FL1	LA2	TX2	MEAN
RALEIGH	41.7	76.3	89.3	99.0	40.0	69.3
DELMAR	33.3	63.7	76.7	38.3	28.3	48.1
6-89-70	40.0	52.0	92.0	30.0	20.7	46.9
FLORATAM	36.7	51.0	78.3	25.0	21.7	42.5
6-89-175	38.3	43.7	63.7	25.0	23.3	38.8
6-89-194	51.7	10.3	44.0	28.3	11.7	29.2
6-89-174	43.3	28.7	37.3	20.0	6.7	27.2
6-89-196	28.3	18.7	42.7	16.7	5.0	22.3
LSD VALUE	24.3	30.0	10.0	19.7	16.1	9.5
C.V. (%)	38.7	43.3	9.5	34.7	50.8	32.5

TABLE 12. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
1997 DATA 1/

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AL1	AZ1	FL1	LA2	TX2	MEAN
RALEIGH	75.0	96.3	96.7	99.0	86.7	90.7
DELMAR	76.7	86.0	90.7	60.0	90.0	80.7
6-89-70	86.7	86.3	97.3	38.3	91.0	79.9
FLORATAM	80.0	90.7	90.0	36.7	85.0	76.5
6-89-175	85.0	84.7	83.7	30.0	82.7	73.2
6-89-194	85.0	58.0	80.7	33.3	96.0	70.6
6-89-174	71.7	78.7	70.0	28.3	94.3	68.6
6-89-196	71.7	57.0	76.7	15.0	90.0	62.1
LSD VALUE	19.8	11.9	7.8	22.3	10.5	6.9
C.V. (%)	15.6	9.3	5.6	32.5	7.3	12.8

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

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

TABLE 13. PERCENT LIVING GROUND COVER (FALL) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
1997 DATA 1/

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AL1	AZ1	FL1	LA2	TX2	MEAN
RALEIGH	79.7	98.3	96.3	99.0	91.0	92.9
DELMAR	78.3	98.7	94.3	68.3	93.3	86.6
FLORATAM	86.7	97.3	91.7	61.7	91.7	85.8
6-89-70	83.3	98.7	94.0	56.7	78.3	82.2
6-89-175	83.3	98.0	79.3	33.3	93.3	77.5
6-89-194	93.0	86.0	77.3	35.0	85.0	75.3
6-89-174	83.3	95.0	73.7	21.7	85.0	71.7
6-89-196	75.0	88.3	76.0	10.0	85.0	66.9
LSD VALUE	16.3	6.9	10.3	37.7	16.3	9.2
C.V. (%)	12.3	4.5	7.5	48.6	11.6	16.0

TABLE 14. WINTER COLOR RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
1997 DATA 1/

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

NAME	AL1	FL1	MEAN
6-89-196	7.0	8.7	7.8
6-89-174	6.3	8.3	7.3
6-89-175	7.0	7.0	7.0
6-89-194	6.0	7.0	6.5
FLORATAM	4.7	8.3	6.5
6-89-70	6.7	5.7	6.2
DELMAR	5.3	5.7	5.5
RALEIGH	7.0	3.7	5.3
LSD VALUE	2.4	1.5	1.4
C.V. (%)	23.6	13.8	18.9

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

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

TABLE 15. PERCENT WINTER KILL RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
1997 DATA 1/

PERCENT WINTER KILL RATINGS: LOCATIONS 2/

NAME	MS1	TX2	MEAN
6-89-174	83.0	63.3	73.2
6-89-196	84.7	55.0	69.8
6-89-194	91.7	35.0	63.3
FLORATAM	94.7	30.0	62.3
6-89-70	83.3	18.3	50.8
6-89-175	73.3	25.0	49.2
DELMAR	81.7	6.7	44.2
RALEIGH	63.3	25.0	44.2
LSD VALUE	16.2	15.9	11.4
C.V. (%)	12.3	30.7	17.5

TABLE 16. LEAF SPOT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
1997 DATA 1/

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

NAME	AL1	TX2	MEAN
6-89-70	8.0	8.0	8.0
FLORATAM	7.3	8.0	7.7
6-89-196	8.3	6.0	7.2
6-89-194	7.3	6.7	7.0
RALEIGH	8.3	5.7	7.0
6-89-175	8.3	5.3	6.8
DELMAR	7.0	4.7	5.8
6-89-174	6.7	3.7	5.2
LSD VALUE	2.5	1.6	1.5
C.V. (%)	20.6	16.3	19.2

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 17. BROWN PATCH RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
1997 DATA 1/

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

NAME	TX2
6-89-174	9.0
6-89-194	9.0
6-89-196	9.0
RALEIGH	9.0
DELMAR	8.7
FLORATAM	8.7
6-89-175	8.0
6-89-70	7.0
LSD VALUE	1.7
C.V. (%)	12.2

TABLE 18. PERCENT ESTABLISHMENT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
AT MISS. ST., MS 1/
1997 DATA

PERCENT ESTABLISHMENT RATINGS AFTER PLANTING 2/

NAME	5 WEEKS	11 WEEKS	MEAN
FLORATAM	26.0	58.3	42.2
RALEIGH	20.7	56.7	38.7
DELMAR	18.0	43.3	30.7
6-89-70	11.0	45.0	28.0
6-89-175	8.7	26.7	17.7
6-89-174	7.7	25.0	16.3
6-89-194	5.7	25.0	15.3
6-89-196	6.3	20.0	13.2
LSD VALUE	2.7	5.4	3.6
C.V. (%)	13.2	9.0	9.0

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 19. ESTABLISHMENT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS
 AT RALEIGH, NC 1/
 1997 DATA

ESTABLISHMENT RATINGS 1-9; 9=BEST 2/

NAME	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	MEAN
6-89-175	7.0	8.7	8.7	9.0	9	8.5
6-89-194	6.7	8.3	8.7	9.0	9	8.3
FLORATAM	5.0	8.3	9.0	9.0	9	8.1
6-89-174	5.7	8.0	8.3	9.0	9	8.0
DELMAR	4.3	6.0	7.0	8.3	9	6.9
6-89-70	4.0	5.0	6.0	7.3	9	6.3
RALEIGH	4.0	5.3	6.3	7.0	9	6.3
6-89-196	3.7	4.3	5.3	7.0	9	5.9
LSD VALUE	1.1	1.6	1.3	0.8	-	0.8
C.V. (%)	13.3	13.9	10.7	5.9	0	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.