

## **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 Maryland Turfgrass Council. 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, a national director, and an executive coordinator. The program will 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. The national director is responsible for the overall coordination and operation of the NTEP, including (1) soliciting entries and distribution of test seed sets to evaluators, (2) data summarization and distribution, and, (3) management of test materials, facilities, and finances.

National Director - Kevin N. Morris, Maryland Turfgrass Council  
Executive Coordinator, NTEP Policy Committee - J. Jack Murray

### **CURRENT POLICY COMMITTEE MEMBERS:**

Dr. Donald B. White, University of Minnesota  
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**LOCATIONS SUBMITTING DATA FOR 1990**

<u>State</u>	<u>Location</u>	<u>Code</u>
Alabama	Auburn University	AL1
California	Camarillo	CA1
Florida	Gainesville	FL1
Florida	Apopka	FL2
Florida	Belle Glade	FL3
Florida	New Smyrna Beach (light shade)	FL4
Florida	Monticello	FL5
Florida	Naples (partial shade)	FL6
Louisiana	Baton Rouge	LA1
Louisiana	Calhoun	LA2
Mississippi	Mississippi State	MS1
Texas	Dallas	TX1
Texas	Dallas (shade)	TX2
Texas	Cleveland	TX3

1989 NATIONAL ST. AUGUSTINEGRASS TEST

Entries and Sponsors

<u>Entry No.</u>	<u>Name</u>	<u>Sponsor</u>
1	DALSA 8401	Texas A&M University - M. C. Engelke
2	FX-10	University of Florida - P. Busey
3	FX-261	University of Florida - P. Busey
4	FX-313	University of Florida - P. Busey
5	FX-33	University of Florida - P. Busey
6	FX-332	University of Florida - P. Busey
7	M1	Milberger Turf Farms Company
8	MSA-2	Mississippi State Univ. - J. Krans
9	MSA-11	Mississippi State Univ. - J. Krans
10	MSA-20	Mississippi State Univ. - J. Krans
11	S-6-71-138	O. M. Scott & Sons
12	S-6-72-107	O. M. Scott & Sons
13	S-71-2090	O. M. Scott & Sons
14	S-71-770	O. M. Scott & Sons
15	TR 6-10 (DD II)	David Doguet
16	TR 6-3 (DD I)	David Doguet
17	Bitterblue	-
18	Delmar	Elsberry Farms
19	Floralawn	-
20	Floratam	-
21	Jade	Turfgrass Associates, Inc.
22	Mercedes	Patten Seed & Turfgrass Company
23	Raleigh	-
24	Seville	-
25	Sunclipse	Pacific Sod

TABLE A.

1990 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES  
IN THE 1989 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	5.6-6.0	151-270	151-240	0.0-1.0	FULL SUN	1.6-2.0	TO PREVENT STRESS
CA1	-	-	-	-	-	-	-	-
FL1	LOAMY SAND	6.6-7.0	151-270	151-240	5.1-6.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
FL2	-	-	-	-	-	FULL SUN	2.1-2.5	ONLY DURING SEVERE STRESS
FL3	-	6.6-7.0	0-60	0-150	-	FULL SUN	1.6-2.0	TO PREVENT STRESS
FL4	-	5.6-6.0	0-60	0-150	-	LIGHT SHADE	2.1-2.5	TO PREVENT DORMANCY
FL5	-	-	-	-	-	FULL SUN	-	TO PREVENT DORMANCY
FL6	-	-	-	-	-	PARTIAL SHADE	-	NO IRRIGATION
LA1	SILT LOAM AND SILT	4.6-5.5	0-60	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT DORMANCY
LA2	SANDY LOAM	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
MS1	SANDY CLAY LOAM	6.6-7.0	271-450	241-375	3.1-4.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
TX1	SILTY CLAY AND CLAY	7.6-8.5	451+	501+	1.1-2.0	FULL SUN	4.1+	TO PREVENT STRESS
TX2	SILTY CLAY AND CLAY	7.6-8.5	451+	501+	1.1-2.0	DENSE SHADE	1.6-2.0	TO PREVENT STRESS
TX3	SANDY LOAM	5.6-6.0	0-60	0-150	4.1-5.0	FULL SUN	2.1-2.5	TO PREVENT STRESS

TABLE B.

## LOCATIONS AND DATA COLLECTED IN 1990

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 RATING	LEAF TEXTURE RATING
AL1														
CA1					X	X		X	X	X	X	X		
FL1	X	X	X	X	X	X	X	X	X	X				
FL2							X			X				
FL3			X			X			X			X		
FL4			X	X			X			X			X	
FL5														
FL6														
LA1								X	X		X			X
LA2										X				
MS1														
TX1											X	X	X	X
TX2						X	X	X	X				X	
TX3													X	X

TABLE B. (CONTINUED)

## LOCATIONS AND DATA COLLECTED IN 1990

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	FROST TOLERANCE	WINTER COLOR	PERCENT WINTER KILL	DROUGHT TOLERANCE WILTING	DROUGHT TOLERANCE RECOVERY	GREY LEAF SPOT	COLOR RETENTION NOVEMBER	SPRING COLOR	SPREAD
AL1						X									
CA1				X	X	X		X					X		
FL1				X	X	X						X			
FL2		X	X		X	X			X						
FL3							X								X
FL4				X	X	X	X							X	
FL5										X					X
FL6											X				
LA1					X	X						X			
LA2						X		X							
MS1						X									
TX1			X			X	X	X					X		
TX2	X	X	X		X	X									
TX3			X						X						X

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
AT NINE LOCATIONS IN THE UNITED STATES  
1990 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 1/									MEAN
	CA1	FL1	FL2	FL3	FL4	LA1	LA2	TX1	TX2	
FX-332	6.8	8.3	7.7	7.3	7.6	7.9	8.0	5.5	4.9	7.1
FX-261	8.4	7.1	7.3	7.8	7.3	8.4	7.0	5.2	5.3	7.1
FX-313	7.3	6.1	7.0	7.3	8.4	8.1	6.3	4.5	6.5	6.8
* SEVILLE	5.9	7.2	7.7	6.9	7.7	7.1	7.0	5.5	4.3	6.6
S-6-72-107	6.3	6.7	7.5	6.5	6.6	7.1	6.7	5.0	4.8	6.4
* DELMAR	5.9	6.1	8.5	6.2	6.4	7.1	6.3	5.7	4.8	6.3
MSA-20	4.2	7.1	7.0	5.7	7.3	6.7	7.0	6.5	5.1	6.3
TR 6-10 (DD-II)	6.1	5.5	7.2	6.3	7.5	7.0	7.0	4.3	5.5	6.3
MSA-11	4.5	7.4	7.2	6.1	5.8	6.4	6.3	6.5	4.9	6.1
MSA-2	5.0	6.6	6.8	5.8	6.5	6.4	6.7	6.7	4.3	6.1
* JADE	5.9	6.5	7.2	6.0	6.4	6.7	6.0	4.5	5.5	6.1
FX-33	5.5	6.3	6.8	6.3	5.5	7.4	6.3	5.5	4.9	6.1
S-6-71-138	4.2	7.3	6.7	6.3	5.8	6.4	7.0	6.0	4.8	6.1
S-71-770	4.2	7.5	6.8	5.7	6.2	6.4	7.0	5.8	4.7	6.0
* MERCEDES	4.3	6.8	6.5	6.0	5.7	6.8	6.3	6.5	4.8	6.0
* FLORALAWN	4.2	6.8	7.2	5.5	5.9	7.1	7.3	5.0	4.5	6.0
S-71-2090	4.2	7.0	6.8	5.6	5.8	6.3	6.7	6.5	4.4	5.9
* BITTERBLUE	5.6	6.0	7.7	6.3	5.3	6.9	5.7	5.2	3.8	5.8
* RALEIGH	4.3	7.2	5.8	4.9	6.2	6.8	7.0	5.8	3.9	5.8
* FLORATAM	4.1	6.4	6.7	5.4	5.4	7.1	7.0	5.3	4.1	5.7
DALSA 8401	4.0	6.4	6.8	5.1	5.1	6.2	7.3	5.2	4.8	5.7
TR-6-3 (DD-I)	5.6	6.6	6.7	5.0	4.5	6.2	5.0	5.2	5.3	5.6
* FX-10	5.3	5.8	6.7	6.7	5.2	6.4	6.0	4.0	4.0	5.6
* SUNCLIPSE	7.7	2.0	7.2	6.3	4.6	6.7	6.3	3.8	4.9	5.5
M-1	4.1	2.2	6.3	4.8	3.5	5.2	5.3	4.7	5.7	4.7
LSD VALUE	0.8	1.4	1.3	0.7	2.3	0.5	1.3	0.9	1.3	0.4

\* COMMERCIALY AVAILABLE IN THE UNITED STATES IN 1991

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).

TABLE 2.

MEAN TURFGRASS QUALITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
FOR EACH MONTH GROWN AT NINE LOCATIONS IN THE UNITED STATES  
1990 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 1/												MEAN
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
FX-332	7.0	7.7	7.3	8.3	7.0	7.0	7.6	7.3	6.9	7.7	7.4	5.8	7.1
FX-261	3.3	4.7	6.7	7.2	7.8	7.5	7.8	7.6	7.5	7.6	7.9	6.7	7.1
FX-313	1.0	2.3	6.7	7.8	7.2	7.3	7.7	7.7	7.4	7.1	7.1	5.8	6.8
SEVILLE	3.0	4.3	7.0	7.8	6.2	5.8	7.5	6.3	6.6	7.5	6.9	6.0	6.6
S-6-72-107	3.3	4.3	5.8	7.2	6.7	5.9	7.0	6.2	6.6	7.1	6.9	6.0	6.4
DELMAR	1.7	3.3	5.3	6.3	6.3	6.4	7.4	6.5	6.3	6.7	6.4	5.3	6.3
MSA-20	4.3	5.3	6.0	7.3	5.8	5.7	7.4	6.0	6.0	6.5	5.9	5.3	6.3
TR 6-10 (DD-II)	1.3	2.3	5.8	6.8	5.8	6.0	7.2	6.6	6.3	6.7	6.6	5.6	6.3
MSA-11	4.3	4.7	5.6	6.8	6.3	5.7	7.1	6.0	6.3	6.5	6.1	5.3	6.1
MSA-2	1.7	3.7	5.3	6.7	6.0	6.0	7.4	5.5	6.0	6.5	6.3	5.6	6.1
JADE	2.0	3.7	5.0	6.8	6.0	5.9	7.3	6.4	6.6	6.7	6.7	5.5	6.1
FX-33	1.3	3.0	5.8	6.7	6.7	6.5	6.5	6.2	5.7	6.5	6.8	4.8	6.1
S-6-71-138	4.3	5.7	5.9	6.8	6.0	6.0	7.3	5.8	5.9	6.1	5.7	5.0	6.1
S-71-770	4.0	5.7	5.4	6.8	6.0	5.9	7.0	5.8	5.9	6.9	5.7	5.2	6.0
MERCEDES	1.3	3.3	5.3	6.5	6.2	5.8	6.7	6.1	6.1	6.4	6.2	5.1	6.0
FLORALAWN	4.0	4.3	4.7	6.2	5.3	5.7	7.0	5.9	5.8	6.9	6.2	4.1	6.0
S-71-2090	1.7	4.7	5.4	6.3	6.2	5.7	7.3	5.6	5.7	6.3	5.9	5.0	5.9
BITTERBLUE	2.7	3.0	3.9	5.2	5.8	6.0	6.7	5.8	6.0	6.6	6.8	5.2	5.8
RALEIGH	2.7	4.7	5.6	6.8	6.2	5.5	6.9	5.6	5.4	6.3	6.0	4.6	5.8
FLORATAM	3.0	4.0	4.4	5.3	5.3	5.8	6.4	5.8	5.6	6.3	6.1	4.3	5.7
DALSA 8401	1.0	2.7	4.2	6.3	5.7	5.5	6.8	5.6	5.8	6.3	5.3	4.4	5.7
TR-6-3 (DD-I)	3.0	3.7	4.0	5.7	6.3	6.3	6.3	6.1	6.0	6.1	6.3	5.0	5.6
FX-10	1.0	2.3	4.2	5.2	5.5	5.9	6.4	5.8	5.9	6.4	5.9	5.2	5.6
SUNCLIPSE	1.0	1.7	4.0	3.5	4.2	5.2	5.2	5.1	5.8	5.7	6.6	5.7	5.5
M-1	1.0	1.7	3.3	2.8	3.5	4.1	4.8	4.3	4.4	4.5	5.2	3.9	4.7
LSD VALUE	2.6	2.2	1.6	2.0	2.1	1.2	1.4	1.7	1.3	1.0	1.1	1.4	0.7

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).

TABLE 3. RANKING OF MEAN TURFGRASS QUALITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS AT NINE LOCATIONS IN THE UNITED STATES 1/ 1990 DATA

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

NAME	CA1	FL1	FL2	FL3	FLA	LA1	LA2	TX1	TX2	MEAN
FX-332	4.0	1.0	3.0	2.5	3.0	3.0	1.0	11.0	9.5	1
FX-261	1.0	7.0	6.0	1.0	6.0	1.0	7.5	15.5	6.0	2
FX-313	3.0	19.5	12.5	2.5	1.0	2.0	17.5	21.5	1.0	3
SEVILLE	7.5	5.0	3.0	4.0	2.0	7.5	7.5	11.0	20.0	4
S-6-72-107	5.0	12.0	5.0	6.0	7.0	5.0	13.0	18.5	12.5	5
DELMAR	9.0	19.5	1.0	12.0	9.5	7.5	17.5	9.0	12.5	6
MSA-20	20.5	8.0	12.5	17.5	5.0	15.0	7.5	3.5	7.0	7
TR 6-10 (DD-II)	6.0	23.0	9.0	7.5	4.0	10.0	7.5	23.0	3.5	8
MSA-11	15.0	3.0	9.0	13.0	15.5	17.0	17.5	3.5	9.5	9
MSA-2	14.0	13.0	16.0	16.0	8.0	19.5	13.0	1.0	21.0	10
JADE	7.5	15.0	9.0	14.0	9.5	15.0	21.5	21.5	3.5	11
FX-33	12.0	18.0	16.0	10.0	18.0	4.0	17.5	11.0	9.5	12
S-6-71-138	20.5	4.0	20.5	10.0	14.0	19.5	7.5	6.0	15.0	13
S-71-770	18.0	2.0	16.0	17.5	11.5	19.5	7.5	7.5	17.0	14
MERCEDES	16.5	10.5	23.0	15.0	17.0	12.5	17.5	3.5	15.0	15
FLORALAWN	20.5	10.5	9.0	20.0	13.0	7.5	2.5	18.5	18.0	16
S-71-2090	20.5	9.0	16.0	19.0	15.5	22.0	13.0	3.5	19.0	17
BITTERBLUE	10.5	21.0	3.0	10.0	20.0	11.0	23.0	15.5	25.0	18
RALEIGH	16.5	6.0	25.0	24.0	11.5	12.5	7.5	7.5	24.0	19
FLORATAM	24.0	17.0	20.5	21.0	19.0	7.5	7.5	13.0	22.0	20
DALSA 8401	25.0	16.0	16.0	22.0	22.0	24.0	2.5	15.5	15.0	21
TR-6-3 (DD-I)	10.5	14.0	20.5	23.0	24.0	23.0	25.0	15.5	5.0	22
FX-10	13.0	22.0	20.5	5.0	21.0	19.5	21.5	24.0	23.0	23
SUNCLIPSE	2.0	25.0	9.0	7.5	23.0	15.0	17.5	25.0	9.5	24
M-1	23.0	24.0	24.0	25.0	25.0	25.0	24.0	20.0	2.0	25

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  
1990 DATA

GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 1/					
NAME	FL4	TX1	TX2	TX3	MEAN
FX-313	7.7	9.0	9.0	8.7	8.6
DELMAR	8.3	8.3	8.0	7.7	8.1
FX-261	6.0	9.0	8.7	7.7	7.8
S-6-72-107	5.7	9.0	8.7	7.3	7.7
FX-332	6.0	8.7	8.7	6.7	7.5
SEVILLE	6.3	8.0	8.7	7.0	7.5
SUNCLIPSE	6.3	8.3	8.3	6.3	7.3
JADE	4.3	8.3	8.7	6.7	7.0
TR-6-3 (DD-I)	4.7	8.3	8.7	6.3	7.0
BITTERBLUE	4.0	8.7	9.0	5.7	6.8
FX-33	6.0	8.0	8.0	5.3	6.8
TR 6-10 (DD-II)	2.0	8.3	9.0	7.7	6.8
FLORATAM	5.7	7.7	8.3	5.3	6.8
M-1	4.0	7.3	9.0	6.7	6.8
FLORALAWN	5.0	8.0	7.7	6.0	6.7
S-6-71-138	4.3	7.7	8.0	6.7	6.7
MSA-11	3.7	7.7	8.7	6.3	6.6
S-71-770	3.0	8.3	8.7	6.3	6.6
DALSA 8401	3.7	7.3	8.0	7.0	6.5
FX-10	4.3	7.0	8.3	6.3	6.5
MSA-20	3.7	7.7	8.3	6.0	6.4
S-71-2090	3.7	7.7	8.3	6.0	6.4
MSA-2	4.3	7.7	7.3	6.0	6.3
MERCEDES	3.3	7.7	8.0	6.0	6.3
RALEIGH	2.7	8.0	8.0	6.0	6.2
LSD VALUE	2.9	0.8	1.1	0.8	0.8

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).

TABLE 5. LEAF TEXTURE RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1990 DATA

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

NAME	LA1	TX1	TX3	MEAN
FX-313	9.0	9.0	5.0	7.7
FX-261	8.0	9.0	4.3	7.1
TR 6-10 (DD-II)	7.7	9.0	4.3	7.0
SUNCLIPSE	7.7	9.0	4.0	6.9
JADE	8.0	6.3	3.7	6.0
S-6-72-107	8.0	6.3	3.3	5.9
TR-6-3 (DD-I)	7.7	6.3	3.3	5.8
M-1	7.0	5.0	3.3	5.1
MSA-11	7.0	5.0	3.0	5.0
MSA-2	7.0	5.0	3.0	5.0
S-71-2090	7.0	5.0	3.0	5.0
SEVILLE	7.0	5.0	3.0	5.0
S-6-71-138	7.3	5.0	2.7	5.0
MERCEDES	7.0	5.0	2.7	4.9
MSA-20	7.0	5.0	2.7	4.9
S-71-770	7.0	5.0	2.7	4.9
DALSA 8401	7.0	5.0	2.3	4.8
DELMAR	7.0	5.0	2.3	4.8
RALEIGH	7.0	3.7	2.3	4.3
FX-332	7.0	2.3	3.0	4.1
BITTERBLUE	7.0	1.0	1.7	3.2
FX-10	6.3	1.0	1.7	3.0
FX-33	6.7	1.0	1.3	3.0
FLORALAWN	6.3	1.0	1.0	2.8
FLORATAM	6.0	1.0	1.0	2.7
LSD VALUE	0.5	1.7	0.7	0.6

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).

TABLE 6. SPRING DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1990 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM 1/

NAME	TX2	MEAN
FX-33	3.3	3.3
FX-261	3.0	3.0
FX-313	3.0	3.0
FX-332	3.0	3.0
MSA-20	3.0	3.0
TR-6-3 (DD-I)	3.0	3.0
DALSA 8401	2.7	2.7
FLORATAM	2.7	2.7
FX-10	2.7	2.7
S-6-71-138	2.7	2.7
S-6-72-107	2.7	2.7
DELMAR	2.3	2.3
M-1	2.3	2.3
MSA-2	2.3	2.3
RALEIGH	2.3	2.3
SUNCLIPSE	2.3	2.3
TR 6-10 (DD-II)	2.3	2.3
BITTERBLUE	2.0	2.0
FLORALAWN	2.0	2.0
MERCEDES	2.0	2.0
MSA-11	2.0	2.0
S-71-770	2.0	2.0
S-71-2090	1.7	1.7
JADE	1.3	1.3
SEVILLE	1.3	1.3
ISD VALUE	1.1	1.1

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).

TABLE 7. SUMMER DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1990 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM 1/		
	FL2	TX2	MEAN
FX-33	5.7	5.3	5.5
FX-313	5.7	5.0	5.3
DELMAR	6.0	4.0	5.0
DALSA 8401	5.7	4.0	4.8
S-6-72-107	6.7	3.0	4.8
TR 6-10 (DD-II)	5.7	4.0	4.8
S-71-770	6.0	3.7	4.8
FLORALAWN	5.7	3.7	4.7
JADE	5.7	3.7	4.7
MERCEDES	6.0	3.3	4.7
MSA-11	6.0	3.3	4.7
FX-332	6.3	3.0	4.7
SUNCLIPSE	6.3	3.0	4.7
TR-6-3 (DD-I)	5.3	4.0	4.7
BITTERBLUE	6.0	3.0	4.5
FLORATAM	5.7	3.3	4.5
S-6-71-138	5.7	3.0	4.3
FX-261	5.3	3.3	4.3
M-1	5.0	3.7	4.3
MSA-20	5.3	3.3	4.3
FX-10	5.3	3.0	4.2
SEVILLE	5.7	2.0	3.8
RALEIGH	5.3	2.3	3.8
S-71-2090	5.0	2.7	3.8
MSA-2	5.3	2.0	3.7
LSD VALUE	1.1	2.0	1.1

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).

TABLE 8. FALL DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1990 DATA

NAME	DENSITY RATINGS 1-9; 9=MAXIMUM 1/				MEAN
	FL2	TX1	TX2	TX3	
FX-332	8.3	8.7	3.3	5.7	6.5
FLORALAWN	7.7	8.3	3.3	6.0	6.3
SEVILLE	7.7	7.7	3.7	5.7	6.2
FLORATAM	7.3	9.0	3.0	5.0	6.1
FX-33	7.7	8.0	4.7	2.0	5.6
FX-261	7.3	8.0	3.3	3.7	5.6
S-71-2090	7.3	7.7	3.3	4.0	5.6
FX-313	7.7	6.3	6.0	2.0	5.5
MSA-11	7.7	7.3	3.7	2.7	5.3
DELMAR	8.3	6.3	3.7	2.3	5.2
MSA-20	7.3	7.3	3.3	2.3	5.1
M-1	6.7	6.3	5.0	2.0	5.0
MERCEDES	8.0	6.0	3.3	2.7	5.0
RALEIGH	7.3	7.3	2.3	3.0	5.0
MSA-2	7.3	7.3	3.3	1.7	4.9
S-6-72-107	8.7	5.3	3.7	2.0	4.9
BITTERBLUE	8.0	6.3	3.0	2.0	4.8
TR 6-10 (DD-II)	7.7	4.7	3.7	3.3	4.8
DALSA 8401	7.0	5.7	4.0	2.3	4.8
S-6-71-138	7.3	6.7	2.7	2.3	4.8
TR-6-3 (DD-I)	7.3	6.3	3.7	1.7	4.8
S-71-770	8.3	4.7	3.0	2.7	4.7
FX-10	6.7	5.0	3.7	2.3	4.4
JADE	6.7	4.3	5.0	1.7	4.4
SUNCLIPSE	8.0	4.0	3.7	2.0	4.4
LSD VALUE	1.3	2.8	1.5	1.9	1.0

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).

TABLE 9. PERCENT LIVING GROUND COVER (SPRING)  
RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/  
1990 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	CA1	FL1	FL4	MEAN
SEVILLE	38.0	85.3	.	61.7
RALEIGH	26.5	84.7	.	55.6
JADE	28.0	79.7	.	53.8
TR 6-10 (DD-II)	22.7	85.0	.	53.8
FX-261	21.5	82.3	52.3	52.1
MERCEDES	20.0	83.3	.	51.7
TR-6-3 (DD-I)	25.0	77.3	.	51.2
FX-332	34.0	.	65.7	49.8
FLORALAWN	31.0	71.7	45.0	49.2
FLORATAM	37.5	63.7	43.3	48.2
MSA-20	32.5	.	62.7	47.6
DELMAR	22.0	72.0	.	47.0
FX-313	17.5	73.3	43.3	44.7
DALSA 8401	24.5	76.3	28.0	42.9
FX-10	21.0	60.0	.	40.5
BITTERBLUE	23.3	64.3	29.0	38.9
FX-33	43.0	.	31.7	37.3
S-6-72-107	20.0	.	50.7	35.3
MSA-11	27.5	.	35.3	31.4
S-71-2090	24.0	.	37.0	30.5
S-71-770	30.0	.	.	30.0
MSA-2	22.0	.	33.3	27.7
S-6-71-138	20.0	.	33.7	26.8
SUNCLIPSE	24.0	15.3	.	19.7
M-1	13.0	.	21.0	17.0
LSD VALUE	11.2	18.0	23.9	15.3

1/ PERCENT LIVING GROUND COVER RATINGS IN 1990 MOST LIKELY REFLECTS ESTABLISHMENT RATE AND/OR WINTER INJURY.

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

TABLE 10. PERCENT LIVING GROUND COVER (SUMMER)  
RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/  
1990 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/							
NAME	CA1	FL1	FL2	FL4	LA1	TX2	MEAN
DELMAR	60.0	92.3	70.0	.	.	96.5	79.7
S-71-2090	65.0	.	65.0	92.0	.	96.5	79.6
TR 6-10 (DD-II)	58.3	84.0	65.0	.	.	98.5	76.5
TR-6-3 (DD-I)	65.0	91.0	65.0	.	.	80.0	75.3
MSA-11	75.0	.	67.5	82.0	.	74.0	74.6
S-6-72-107	50.0	.	66.7	93.7	.	87.0	74.3
BITTERBLUE	53.3	87.7	70.0	78.7	.	75.0	72.9
SEVILLE	85.0	96.7	67.5	.	16.0	99.0	72.8
FX-332	72.5	.	67.5	99.0	24.3	97.0	72.1
FX-261	52.5	94.3	75.0	93.7	18.0	94.5	71.3
FLORATAM	77.5	92.3	67.5	98.3	16.0	75.0	71.1
S-6-71-138	52.5	.	66.7	76.3	.	87.5	70.8
MSA-20	67.5	.	66.7	95.0	.	52.5	70.4
S-71-770	70.0	.	70.0	.	.	65.0	68.3
JADE	75.0	92.3	60.0	.	10.7	99.0	67.4
RALEIGH	62.5	96.3	60.0	.	15.7	99.0	66.7
FLORALAWN	85.0	93.3	75.0	96.3	22.5	25.0	66.2
DALSA 8401	57.5	95.7	60.0	79.7	14.3	82.5	64.9
MERCEDES	50.0	96.3	66.7	.	15.7	90.0	63.7
FX-313	45.0	92.0	65.0	64.7	13.3	98.5	63.1
FX-33	80.0	.	63.3	77.3	14.0	77.5	62.4
MSA-2	65.0	.	62.5	79.7	13.3	91.5	62.4
FX-10	57.5	90.7	67.5	.	8.7	65.0	57.9
M-1	30.0	.	63.3	58.0	4.7	96.5	50.5
SUNCLIPSE	30.5	14.7	66.7	.	9.3	75.0	39.2
LSD VALUE	33.2	13.3	10.0	19.6	15.1	33.0	9.0

1/ PERCENT LIVING GROUND COVER RATINGS IN 1990 MOST LIKELY REFLECTS ESTABLISHMENT RATE AND/OR WINTER INJURY.

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

TABLE 11.

PERCENT LIVING GROUND COVER (FALL)  
RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/  
1990 DATA

NAME	PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/										
	AL1	CA1	FL1	FL2	FL4	LA1	LA2	MS1	TX1	TX2	MEAN
FX-332	45.0	90.0	.	82.5	99.0	90.7	94.7	94.3	87.5	87.5	85.7
MERCEDES	87.5	55.0	97.7	81.7	.	81.3	80.0	81.7	90.0	95.0	83.3
FLORALAWN	27.5	95.0	94.3	85.0	99.0	81.5	90.0	82.5	94.0	80.0	82.9
FX-261	40.0	65.0	93.7	92.5	97.7	85.7	85.0	85.0	95.0	85.0	82.5
RALEIGH	50.0	77.5	96.0	77.5	.	72.7	87.5	88.3	77.5	99.0	80.7
FX-33	62.5	90.0	.	83.3	88.3	82.0	65.0	73.3	91.5	82.5	79.8
SEVILLE	12.5	90.0	97.7	85.0	.	77.0	82.5	92.5	80.0	99.0	79.6
FLORATAM	12.5	82.5	95.0	82.5	99.0	85.0	78.3	85.0	90.0	80.0	79.0
S-6-71-138	77.5	65.0	.	83.3	93.3	.	83.3	65.0	82.5	67.5	77.2
MSA-20	67.5	82.5	.	85.0	96.7	.	75.0	65.0	85.0	60.0	77.1
S-71-770	52.5	80.0	.	85.0	.	.	86.7	73.3	80.0	80.0	76.8
DALSA 8401	70.0	70.0	96.3	75.0	90.7	64.3	86.7	60.0	75.0	67.5	75.6
MSA-2	45.0	80.0	.	80.0	91.0	72.7	76.7	57.5	87.5	89.5	75.5
FX-313	20.0	57.5	94.7	80.0	78.0	66.3	78.3	82.5	94.0	97.0	74.8
MSA-11	50.0	82.5	.	85.0	89.7	.	68.3	60.0	77.5	85.0	74.8
S-6-72-107	50.0	65.0	.	90.0	97.7	.	75.0	65.0	77.5	77.5	74.7
JADE	47.5	85.0	94.3	75.0	.	51.0	61.7	75.0	85.0	95.0	74.4
TR 6-10 (DD-II)	55.0	68.3	63.0	83.3	.	.	78.3	78.3	72.5	90.0	73.6
S-71-2090	42.5	70.0	.	82.5	97.5	.	76.7	40.0	82.5	94.5	73.3
DELMAR	52.5	72.5	92.0	85.0	.	.	70.0	46.7	77.5	89.5	73.2
TR-6-3 (DD-I)	32.5	85.0	88.7	81.7	.	.	55.0	58.3	77.5	94.5	71.6
BITTERBLUE	25.0	65.0	86.7	90.0	87.0	.	58.3	55.0	90.0	75.0	70.2
FX-10	27.5	80.0	94.7	80.0	.	46.7	70.0	46.7	90.0	72.5	67.6
SUNCLIPSE	57.5	70.0	13.7	90.0	.	55.0	72.5	56.7	85.0	90.0	65.6
M-1	55.0	40.0	.	80.0	73.0	34.3	51.7	20.0	80.0	82.5	57.4
LSD VALUE	62.9	25.1	13.8	10.7	16.4	24.5	20.0	27.9	10.4	29.4	9.0

1/ PERCENT LIVING GROUND COVER RATINGS IN 1990 MOST LIKELY REFLECTS ESTABLISHMENT RATE AND/OR WINTER INJURY.

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

TABLE 12. FROST TOLERANCE RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1990 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 1/				
NAME	FL3	FL4	TX1	MEAN
DELMAR	6.0	7.3	4.7	6.0
FX-313	3.0	9.0	6.0	6.0
MSA-20	6.3	6.7	4.3	5.8
MSA-11	4.7	5.7	6.3	5.6
S-71-770	5.3	6.3	4.3	5.3
SEVILLE	4.7	5.3	6.0	5.3
S-71-2090	5.7	5.7	4.3	5.2
FX-261	2.7	6.7	5.7	5.0
RALEIGH	6.3	4.7	4.0	5.0
SUNCLIPSE	4.3	5.3	5.3	5.0
DALSA 8401	5.7	3.0	6.0	4.9
MERCEDES	5.7	5.7	3.3	4.9
FX-332	3.0	5.7	5.7	4.8
FX-10	7.0	3.0	4.3	4.8
FX-33	6.3	2.3	5.3	4.7
S-6-72-107	2.7	4.3	7.0	4.7
JADE	2.5	5.0	6.3	4.6
MSA-2	4.7	4.7	3.7	4.3
S-6-71-138	6.3	4.3	2.3	4.3
M-1	3.0	5.0	3.7	3.9
TR 6-10 (DD-II)	3.3	4.3	3.3	3.7
FLORALAWN	4.3	1.3	3.0	2.9
FLORATAM	3.7	2.0	2.7	2.8
BITTERBLUE	2.3	3.0	2.7	2.7
TR-6-3 (DD-I)	2.0	3.3	2.7	2.7
LSD VALUE	1.9	2.7	4.4	1.8

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).

TABLE 13. PERCENT WINTER KILL RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1990 DATA

PERCENT WINTER KILL: LOCATIONS REPORTING 1/

NAME	FL2	TX3	MEAN
TR-6-3 (DD-I)	61.7	96.0	78.8
FX-33	63.3	83.3	73.3
FLORALAWN	46.7	97.7	72.2
BITTERBLUE	38.3	97.7	68.0
FLORATAM	38.3	96.0	67.2
FX-10	36.7	96.3	66.5
S-71-770	36.7	96.0	66.3
DALSA 8401	35.0	91.7	63.3
FX-332	50.0	76.3	63.2
S-71-2090	30.0	96.0	63.0
S-6-72-107	40.0	85.0	62.5
MSA-2	31.7	91.7	61.7
RALEIGH	30.0	88.3	59.2
FX-261	23.3	94.3	58.8
MSA-20	25.0	91.7	58.3
SEVILLE	46.7	70.0	58.3
SUNCLIPSE	20.0	95.0	57.5
MSA-11	23.3	91.3	57.3
S-6-71-138	16.7	97.7	57.2
JADE	23.3	89.7	56.5
DELMAR	21.7	90.0	55.8
M-1	15.0	96.0	55.5
MERCEDES	25.0	84.7	54.8
TR 6-10 (DD-II)	25.0	78.3	51.7
FX-313	8.3	73.3	40.8
LSD VALUE	14.7	16.3	11.0

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).

TABLE 14. DROUGHT TOLERANCE (WILTING) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1990 DATA

WILTING RATINGS 1-9; 9=NO WILTING 1/		
NAME	FL5	MEAN
DELMAR	7.0	7.0
FX-33	7.0	7.0
BITTERBLUE	3.3	3.3
FX-332	3.3	3.3
MSA-2	3.3	3.3
FX-10	2.7	2.7
MSA-11	2.7	2.7
MSA-20	2.7	2.7
SUNCLIPSE	2.7	2.7
DALSA 8401	2.3	2.3
FLORALAWN	2.3	2.3
S-71-2090	2.3	2.3
S-71-770	2.3	2.3
SEVILLE	2.3	2.3
TR-6-3 (DD-I)	2.3	2.3
FX-261	2.0	2.0
FX-313	2.0	2.0
JADE	2.0	2.0
M-1	2.0	2.0
MERCEDES	2.0	2.0
RALEIGH	2.0	2.0
S-6-71-138	2.0	2.0
TR 6-10 (DD-II)	2.0	2.0
S-6-72-107	1.7	1.7
FLORATAM	1.3	1.3
ISD VALUE	1.4	1.4

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).

TABLE 15. DROUGHT TOLERANCE (RECOVERY) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1990 DATA

RECOVERY RATINGS 1-9; 9=COMPLETE RECOVERY 1/

NAME	FL6	MEAN
FLORALAWN	6.0	6.0
FX-10	6.0	6.0
FX-33	5.3	5.3
MERCEDES	5.3	5.3
M-1	5.0	5.0
FLORATAM	4.7	4.7
FX-332	3.7	3.7
FX-261	3.3	3.3
PALEIGH	3.3	3.3
SEVILLE	3.3	3.3
JADE	3.0	3.0
S-6-71-138	3.0	3.0
S-71-770	3.0	3.0
BITTERBLUE	2.3	2.3
DALSA 8401	2.3	2.3
MSA-2	2.3	2.3
DELMAR	2.0	2.0
FX-313	2.0	2.0
MSA-11	1.7	1.7
MSA-20	1.7	1.7
S-71-2090	1.7	1.7
S-6-72-107	1.3	1.3
SUNCLIPSE	1.3	1.3
TR 6-10 (DD-II)	1.3	1.3
TR-6-3 (DD-I)	1.0	1.0
ISD VALUE	3.4	3.4

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).

TABLE 16. GREY LEAFSPOT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1990 DATA

GREY LEAFSPOT RATINGS 1-9; 9=NO DISEASE 1/

NAME	FL1	LA1	MEAN
TR 6-10 (DD-II)	9.0	.	9.0
DELMAR	6.7	.	6.7
TR-6-3 (DD-I)	6.3	.	6.3
FX-313	9.0	1.7	5.3
JADE	8.7	2.0	5.3
FX-10	7.3	2.7	5.0
M-1	.	5.0	5.0
MERCEDES	7.7	2.3	5.0
RALEIGH	7.7	2.3	5.0
SEVILLE	8.3	1.7	5.0
FX-261	8.7	1.0	4.8
SUNCLIPSE	7.0	2.7	4.8
DALSA 8401	7.0	2.0	4.5
BITTERBLUE	4.3	.	4.3
FLORALAWN	5.7	1.5	3.6
FLORATAM	5.7	1.3	3.5
MSA-2	.	2.7	2.7
FX-33	.	1.7	1.7
FX-332	.	1.3	1.3
LSD VALUE	2.0	1.3	1.5

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).

TABLE 17. SPRING COLOR RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1990 DATA

SPRING COLOR RATINGS 1-9; 9=BEST 1/		
NAME	FL4	MEAN
FX-332	8.3	8.3
FX-261	8.0	8.0
FX-313	7.7	7.7
DELMAR	7.0	7.0
FX-33	7.0	7.0
JADE	6.7	6.7
SEVILLE	6.7	6.7
MSA-20	6.3	6.3
PALEIGH	6.3	6.3
S-71-770	6.3	6.3
FX-10	6.0	6.0
MSA-2	6.0	6.0
S-6-72-107	6.0	6.0
BITTERBLUE	5.7	5.7
MSA-11	5.7	5.7
FLORALAWN	5.3	5.3
MERCEDES	5.3	5.3
S-6-71-138	5.3	5.3
S-71-2090	5.3	5.3
SUNCLIPSE	5.3	5.3
DALSA 8401	5.0	5.0
FLORATAM	5.0	5.0
TR 6-10 (DD-II)	5.0	5.0
TR-6-3 (DD-I)	5.0	5.0
M-1	4.0	4.0
ISD VALUE	2.3	2.3

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).

TABLE 18. FALL COLOR RETENTION (NOVEMBER) RATINGS  
OF ST. AUGUSTINEGRASS CULTIVARS  
1990 DATA

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

NAME	CA1	MEAN
FX-261	8.7	8.7
S-6-72-107	8.3	8.3
TR 6-10 (DD-II)	7.7	7.7
FX-313	7.3	7.3
DELMAR	7.0	7.0
JADE	7.0	7.0
SUNCLIPSE	7.0	7.0
FX-332	6.7	6.7
MERCEDES	6.0	6.0
SEVILLE	6.0	6.0
TR-6-3 (DD-I)	5.7	5.7
BITTERBLUE	5.3	5.3
FX-10	5.3	5.3
MSA-2	5.3	5.3
FX-33	5.0	5.0
M-1	5.0	5.0
MSA-20	5.0	5.0
MSA-11	4.7	4.7
DALSA 8401	4.3	4.3
FLORALAWN	4.3	4.3
FLORATAM	4.3	4.3
S-6-71-138	4.3	4.3
S-71-770	4.3	4.3
RALEIGH	4.0	4.0
S-71-2090	4.0	4.0
ISD VALUE	1.2	1.2

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).

TABLE 19. WINTER COLOR RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1990 DATA

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

NAME	CA1	LA2	TX1	MEAN
SUNCLIPSE	8.0	3.0	7.3	6.1
S-6-72-107	7.7	2.0	8.0	5.9
JADE	6.7	3.0	7.3	5.7
FX-261	8.3	1.3	6.7	5.4
TR 6-10 (DD-II)	6.3	2.7	7.0	5.3
FX-313	7.0	1.7	6.7	5.1
DELMAR	6.7	2.0	6.0	4.9
MSA-11	4.3	2.0	8.0	4.8
DALSA 8401	4.3	2.0	7.7	4.7
FX-332	6.3	1.0	6.7	4.7
SEVILLE	6.0	1.3	6.7	4.7
FX-10	7.0	1.0	5.7	4.6
MERCEDES	6.0	2.0	5.7	4.6
S-71-770	4.7	2.3	6.7	4.6
M-1	4.3	3.3	5.7	4.4
RALEIGH	3.7	2.7	6.7	4.3
FX-33	5.3	1.0	6.3	4.2
S-6-71-138	4.7	2.7	5.3	4.2
TR-6-3 (DD-I)	5.7	1.7	5.3	4.2
BITTERBLUE	6.0	1.0	5.3	4.1
FLORATAM	5.3	1.0	6.0	4.1
MSA-2	4.7	2.3	5.0	4.0
MSA-20	4.3	2.3	5.3	4.0
S-71-2090	4.0	2.0	6.0	4.0
FLORALAWN	4.7	1.0	5.0	3.6
LSD VALUE	1.4	0.7	2.5	1.0

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).

TABLE 20. SPREAD RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1990 DATA

SPREAD RATINGS 1-9; 9=BEST 1/

NAME	FL3	FL5	TX3	MEAN
FX-332	7.3	6.0	7.3	6.9
FLORALAWN	6.3	4.0	7.7	6.0
SEVILLE	7.0	3.7	6.3	5.7
FLORATAM	5.3	3.7	7.3	5.4
MSA-11	6.3	4.0	5.0	5.1
S-71-770	6.3	4.0	4.3	4.9
BITTERBLUE	5.7	3.3	5.3	4.8
S-6-71-138	6.7	3.7	4.0	4.8
MSA-2	6.0	3.7	4.3	4.7
MSA-20	6.0	3.3	4.7	4.7
FX-10	6.0	3.3	4.3	4.6
FX-33	6.3	3.0	4.3	4.6
DALSA 8401	5.7	2.7	5.0	4.4
S-71-2090	6.0	3.3	4.0	4.4
FX-261	6.0	3.3	3.7	4.3
S-6-72-107	6.0	3.0	4.0	4.3
FX-313	5.7	3.0	4.0	4.2
MERCEDES	6.3	3.0	3.3	4.2
DELMAR	6.0	2.3	4.0	4.1
RALEIGH	5.3	2.7	4.3	4.1
TR 6-10 (DD-II)	5.7	2.7	3.7	4.0
JADE	5.3	3.3	2.7	3.8
SUNCLIPSE	5.0	2.7	3.7	3.8
TR-6-3 (DD-I)	4.3	2.3	3.3	3.3
M-1	5.3	2.0	2.0	3.1
LSD VALUE	1.0	1.0	1.4	0.7

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).