

## 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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LOCATIONS SUBMITTING DATA FOR 1993

<u>State</u>	<u>Location</u>	<u>Code</u>
Alabama	Auburn University	AL1
Louisiana	Calhoun	LA2
Mississippi	Mississippi State	MS1
Texas	Dallas	TX1

1989 NATIONAL ST. AUGUSTINEGRASS TEST

Entries and Sponsors

<u>Entry No.</u>	<u>Name</u>	<u>Sponsor</u>
1	DALSA 8401	Texas A&M Univ. - 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	Floratom	-
21	Jade	Turfgrass Associates, Inc.
22	Mercedes	Patten Seed & Turfgrass Company
23	Raleigh	-
24	Seville	-
25	Sunclipse	Pacific Sod

TABLE A.

1993 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	-	-	-	-	-	-	-	-
LA2	SANDY LOAM	6.1-6.5	0-60	0-150	2.1-3.0	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 DORMANCY
TX1	SILTY CLAY AND CLAY	7.6-8.5	451+	501+	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS

TABLE B.

## LOCATIONS AND DATA COLLECTED IN 1993

LOCATION	JANUARY QUALITY RATINGS	FEBRUARY QUALITY RATINGS	MARCH QUALITY RATINGS	APRIL QUALITY RATINGS	MAY QUALITY RATINGS	JUNE QUALITY RATINGS	JULY QUALITY RATINGS	AUGUST QUALITY RATINGS	SEPTEMBER QUALITY RATINGS	OCTOBER QUALITY RATINGS	NOVEMBER QUALITY RATINGS	DECEMBER QUALITY RATINGS
AL1					X	X	X	X	X	X		X
LA2			X	X	X	X	X	X	X			
MS1					X	X	X	X	X	X		
TX1	X	X	X	X	X	X	X	X	X	X	X	X

TABLE B. (CONTINUED)

## LOCATIONS AND DATA COLLECTED IN 1993

LOCATION	GENETIC COLOR RATINGS	SPRING GREENUP RATINGS	LEAF TEXTURE RATINGS	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	WINTER COLOR	FALL COLOR OCTOBER	SEEDHEAD RATINGS
AL1	X								
LA2				X			X		
MS1		X							X
TX1	X	X	X	X	X	X	X	X	

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
GROWN AT FOUR LOCATIONS IN THE U.S.  
1993 DATA

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

NAME	AL1	LA2	MS1	TX1	MEAN
MSA-2	7.0	5.8	6.3	6.5	6.4
S-71-2090	7.1	5.5	6.7	6.2	6.4
S-71-770	7.0	5.5	6.7	6.2	6.3
MSA-11	7.1	5.3	6.2	6.5	6.3
MSA-20	6.8	5.7	6.2	6.3	6.2
* MERCEDES	7.1	5.2	6.3	6.2	6.2
DALSA 8401	6.7	6.0	5.7	6.4	6.2
S-6-71-138	6.7	5.6	5.9	6.4	6.2
* BITTERBLUE	6.7	5.6	5.9	6.1	6.1
* FLORATAM	6.8	6.0	5.7	5.6	6.0
* DELMAR	6.8	5.5	6.3	5.5	6.0
* SEVILLE	6.8	5.0	6.6	5.6	6.0
* FLORALAWN	7.0	5.7	5.6	5.6	6.0
* RALEIGH	6.3	4.9	6.6	6.0	6.0
M-1	6.5	5.6	5.8	5.7	5.9
FX-261	6.9	4.2	6.2	5.9	5.8
S-6-72-107	6.4	4.4	6.2	6.3	5.8
TR 6-10 (DD-II)	6.9	4.8	6.0	5.3	5.7
* SUNCLIPSE	6.9	4.0	6.2	5.7	5.7
FX-332	6.0	4.8	6.5	5.5	5.7
* JADE	6.6	4.0	5.9	6.1	5.7
FX-33	6.5	4.3	5.8	5.8	5.6
* FX-10	6.4	4.1	5.4	5.5	5.4
TR 6-3 (DD-I)	5.8	3.6	5.8	6.0	5.3
FX-313	5.6	3.4	5.6	5.6	5.0
LSD VALUE	0.9	1.1	0.8	0.9	0.5

\* COMMERCIALY AVAILABLE IN THE USA IN 1994

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 FOUR LOCATIONS IN THE U.S. 1993 DATA

NAME	TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF: MONTHS 1/												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
MSA-2	3.7	4.0	3.5	5.8	7.1	7.3	6.7	6.7	6.8	6.7	8.0	6.8	6.4
S-71-2090	4.0	4.0	3.3	5.5	6.7	6.9	6.4	7.0	6.8	6.7	7.7	7.0	6.4
S-71-770	4.0	4.0	3.5	5.0	6.9	7.0	6.3	6.7	6.8	6.9	7.3	6.7	6.3
MSA-11	3.7	4.0	3.3	5.2	6.9	6.7	6.8	6.6	6.8	6.8	8.0	7.0	6.3
MSA-20	4.0	4.0	3.5	5.3	7.1	7.1	6.4	6.7	6.4	6.1	7.3	6.7	6.2
MERCEDES	4.0	4.0	3.3	4.7	7.1	7.3	6.8	6.2	6.2	6.6	8.0	6.8	6.2
DALSA 8401	4.0	4.0	3.3	5.5	6.5	6.8	6.5	6.5	6.8	6.8	8.3	6.5	6.2
S-6-71-138	4.0	4.0	3.3	5.7	6.8	6.8	6.8	6.3	6.5	6.3	8.0	6.8	6.2
BITTERBLUE	4.0	4.0	2.8	5.5	6.3	6.7	6.3	6.9	6.8	6.1	7.3	6.3	6.1
FLORATAM	3.3	3.3	2.8	4.7	6.0	6.8	6.4	7.1	6.8	5.9	7.0	6.3	6.0
DELMAR	3.3	3.3	3.0	5.7	6.8	6.8	6.2	6.3	6.2	6.1	6.7	6.2	6.0
SEVILLE	4.0	4.0	3.0	4.7	6.6	6.8	6.4	6.2	6.3	6.2	6.3	6.0	6.0
FLORALAWN	3.7	4.0	3.0	4.5	5.7	6.6	6.3	7.1	6.9	6.0	6.7	6.0	6.0
RALEIGH	4.0	4.0	3.3	5.2	6.3	6.8	6.3	6.2	6.2	6.3	7.7	5.8	6.0
M-1	3.3	3.7	3.3	5.3	6.5	7.0	6.2	5.9	6.3	5.9	6.7	6.2	5.9
FX-261	4.0	3.7	2.8	3.7	5.8	6.2	6.3	6.7	6.7	6.6	7.3	6.2	5.8
S-6-72-107	4.0	4.0	3.0	5.5	6.1	6.3	6.2	6.3	6.3	6.0	8.0	6.3	5.8
TR 6-10 (DD-II)	2.3	3.0	2.8	4.7	6.2	6.3	6.3	6.4	6.2	5.7	7.0	5.8	5.7
SUNCLIPSE	3.0	3.0	2.5	3.7	5.8	6.3	6.1	6.4	6.3	6.3	7.3	6.5	5.7
FX-332	4.0	4.0	2.8	4.3	5.8	6.3	5.8	6.5	6.3	5.9	7.0	5.3	5.7
JADE	3.7	3.7	2.7	4.2	6.0	6.2	6.2	6.3	6.3	6.1	7.3	6.5	5.7
FX-33	3.7	3.7	2.7	4.0	5.3	5.8	5.8	6.6	6.8	6.2	7.7	6.0	5.6
FX-10	3.0	3.3	2.7	3.8	5.1	5.7	5.3	6.5	6.5	6.0	7.0	6.0	5.4
TR 6-3 (DD-I)	3.7	3.7	2.5	3.8	5.7	5.9	5.8	5.6	5.9	5.9	7.3	5.7	5.3
FX-313	3.3	3.3	2.2	3.5	4.9	5.2	5.1	6.3	6.2	5.8	7.0	5.5	5.0
LSD VALUE	1.1	1.0	1.2	1.7	0.9	1.0	0.8	0.8	0.8	0.8	1.5	0.9	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  
GROWN AT FOUR LOCATIONS IN THE U.S. 1/  
1993 DATA

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

NAME	AL1	LA2	MS1	TX1	MEAN
MSA-2	4.0	3.0	6.0	1.0	1
S-71-2090	2.5	9.0	1.5	8.0	2
S-71-770	5.5	10.5	1.5	9.0	3
MSA-11	2.5	12.0	10.5	2.0	4
MSA-20	13.0	4.5	10.5	6.0	5
MERCEDES	1.0	13.0	7.5	7.0	6
DALSA 8401	15.5	1.0	21.0	4.0	7
S-6-71-138	14.0	6.0	17.0	3.0	8
BITTERBLUE	15.5	7.5	15.5	11.0	9
FLORATAM	11.0	2.0	22.0	18.5	10
DELMAR	11.0	10.5	7.5	22.5	11
SEVILLE	11.0	14.0	4.0	20.5	12
FLORALAWN	5.5	4.5	23.5	18.5	13
RALEIGH	22.0	15.0	3.0	12.0	14
M-1	18.5	7.5	18.0	16.0	15
FX-261	7.5	20.0	10.5	14.0	16
S-6-72-107	20.5	18.0	13.0	5.0	17
TR 6-10 (DD-II)	9.0	16.0	14.0	25.0	18
SUNCLIPSE	7.5	23.0	10.5	17.0	19
FX-332	23.0	17.0	5.0	24.0	20
JADE	17.0	22.0	15.5	10.0	21
FX-33	18.5	19.0	19.5	15.0	22
FX-10	20.5	21.0	25.0	22.5	23
TR 6-3 (DD-I)	24.0	24.0	19.5	13.0	24
FX-313	25.0	25.0	23.5	20.5	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  
1993 DATA

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

NAME	AL1	TX1	MEAN
BITTERBLUE	7.0	8.0	7.5
FX-261	7.0	8.0	7.5
TR 6-10 (DD-II)	7.0	8.0	7.5
FLORALAWN	7.0	7.7	7.3
FX-33	7.0	7.7	7.3
JADE	6.7	8.0	7.3
MSA-2	6.7	8.0	7.3
S-6-72-107	6.7	8.0	7.3
SEVILLE	7.0	7.7	7.3
TR 6-3 (DD-I)	6.7	8.0	7.3
DALSA 8401	6.7	7.7	7.2
FX-313	6.7	7.7	7.2
MERCEDES	6.7	7.7	7.2
FLORATAM	7.0	7.3	7.2
FX-10	7.0	7.3	7.2
MSA-20	6.3	8.0	7.2
S-6-71-138	6.3	8.0	7.2
DELMAR	6.7	7.3	7.0
MSA-11	6.3	7.7	7.0
RALEIGH	6.0	8.0	7.0
S-71-2090	6.0	8.0	7.0
S-71-770	6.0	8.0	7.0
SUNCLIPSE	6.3	7.7	7.0
FX-332	6.0	7.7	6.8
M-1	5.7	7.7	6.7
LSD VALUE	0.9	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 5. SPRING GREENUP RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1993 DATA

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

NAME	MS1	TX1	MEAN
MSA-2	6.0	7.0	6.5
MSA-11	5.7	7.0	6.3
DELMAR	6.3	6.0	6.2
M-1	6.3	6.0	6.2
S-71-2090	6.0	6.3	6.2
S-71-770	6.3	6.0	6.2
MERCEDES	5.7	6.3	6.0
MSA-20	5.3	6.7	6.0
RALEIGH	6.0	6.0	6.0
S-6-71-138	5.7	6.3	6.0
S-6-72-107	5.7	6.3	6.0
JADE	5.0	6.3	5.7
DALSA 8401	5.0	6.0	5.5
SEVILLE	5.0	6.0	5.5
TR 6-10 (DD-II)	5.3	5.7	5.5
BITTIERBLUE	5.0	5.7	5.3
FX-313	4.7	5.3	5.0
FLORATAM	4.0	5.7	4.8
FX-261	4.0	5.7	4.8
SUNCLIPSE	4.0	5.7	4.8
FLORALAWN	4.3	5.3	4.8
TR 6-3 (DD-I)	3.7	5.7	4.7
FX-33	4.3	5.0	4.7
FX-332	3.7	5.3	4.5
FX-10	3.0	5.3	4.2
LSD VALUE	1.6	1.2	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 6. LEAF TEXTURE RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1993 DATA

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

NAME	TX1
S-6-72-107	4.7
SUNCLIPSE	4.7
DALSA 8401	4.3
FX-261	4.3
FX-332	4.3
MERCEDES	4.3
S-71-2090	4.3
RALEIGH	4.0
FLORALAWN	3.7
FX-313	3.7
MSA-11	3.7
S-6-71-138	3.7
S-71-770	3.7
FX-33	3.3
JADE	3.3
MSA-2	3.3
MSA-20	3.3
SEVILLE	3.3
TR 6-3 (DD-I)	3.3
M-1	3.0
TR 6-10 (DD-II)	3.0
BITTERBLUE	2.7
DELMAR	2.7
FLORATAM	2.7
FX-10	2.7
LSD VALUE	1.3

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 7. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1993 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 1/

NAME	LA2	TX1	MEAN
MERCEDES	91.7	95.7	93.7
MSA-2	91.7	95.7	93.7
MSA-20	88.3	95.0	91.7
S-6-71-138	85.0	95.3	90.2
SEVILLE	85.0	94.3	89.7
S-71-770	80.0	95.0	87.5
DALSA 8401	80.0	94.7	87.3
DELMAR	81.7	91.7	86.7
M-1	81.7	91.7	86.7
MSA-11	78.3	93.3	85.8
BITTERBLUE	76.7	94.7	85.7
FLORALAWN	75.0	94.3	84.7
S-71-2090	73.3	95.0	84.2
FLORATAM	71.7	95.0	83.3
RALEIGH	70.0	95.7	82.8
FX-332	68.3	94.7	81.5
S-6-72-107	68.3	94.3	81.3
FX-261	66.7	94.7	80.7
TR 6-10 (DD-II)	70.0	90.7	80.3
SUNCLIPSE	63.3	92.7	78.0
TR 6-3 (DD-I)	56.7	95.0	75.8
JADE	56.7	93.3	75.0
FX-33	53.3	92.3	72.8
FX-10	53.3	91.7	72.5
FX-313	40.0	89.3	64.7
LSD VALUE	21.1	5.1	10.8

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 8. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1993 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 1/

NAME	TX1
MSA-11	99.0
MSA-2	99.0
MERCEDES	98.7
S-6-71-138	98.7
BITTERBLUE	97.7
DALSA 8401	97.7
JADE	97.7
MSA-20	97.7
S-6-72-107	97.7
SUNCLIPSE	97.7
TR 6-3 (DD-I)	97.7
RALEIGH	97.3
FX-313	96.7
S-71-770	96.0
SEVILLE	95.7
S-71-2090	95.0
FX-10	94.7
FX-261	94.3
FLORALAWN	94.0
FLORATAM	94.0
FX-332	88.3
TR 6-10 (DD-II)	88.3
DELMAR	87.7
FX-33	84.7
M-1	78.0
LSD VALUE	14.6

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 9. PERCENT LIVING GROUND COVER (FALL) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1993 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 1/

NAME	TX1
MSA-2	98.7
S-6-72-107	98.0
MSA-11	97.7
TR 6-3 (DD-I)	97.7
BITTERBLUE	97.0
FLORATAM	97.0
MERCEDES	97.0
MSA-20	96.3
RALEIGH	96.0
FX-261	95.7
DALSA 8401	95.3
JADE	94.3
FX-332	94.0
S-6-71-138	94.0
FLORALAWN	93.0
S-71-2090	92.7
SEVILLE	91.7
SUNCLIPSE	91.0
FX-33	90.7
M-1	89.7
TR 6-10 (DD-II)	88.7
S-71-770	88.3
FX-313	87.3
FX-10	85.7
DELMAR	82.3
LSD VALUE	13.4

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 10.

WINTER COLOR RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1993 DATA

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

NAME	LA2	TX1	MEAN
S-71-770	3.7	1.3	2.5
MSA-11	3.0	1.7	2.3
MSA-20	3.3	1.3	2.3
S-71-2090	3.0	1.7	2.3
M-1	2.7	2.0	2.3
DALSA 8401	3.0	1.3	2.2
S-6-71-138	2.7	1.7	2.2
MERCEDES	2.0	2.0	2.0
FLORALAWN	2.0	1.7	1.8
RALEIGH	2.3	1.3	1.8
TR 6-10 (DD-II)	2.3	1.3	1.8
FX-33	1.7	1.7	1.7
BITTERBLUE	2.0	1.3	1.7
MSA-2	2.0	1.3	1.7
SUNCLIPSE	2.0	1.3	1.7
DELMAR	1.7	1.3	1.5
FLORATAM	2.0	1.0	1.5
FX-10	2.0	1.0	1.5
FX-332	2.0	1.0	1.5
JADE	2.0	1.0	1.5
TR 6-3 (DD-I)	1.3	1.7	1.5
S-6-72-107	1.7	1.0	1.3
FX-261	1.3	1.0	1.2
SEVILLE	1.3	1.0	1.2
FX-313	1.0	1.0	1.0
LSD VALUE	1.1	0.9	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 11. FALL COLOR (OCTOBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1993 DATA

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

NAME	TX1
BITTERBLUE	6.7
SUNCLIPSE	6.7
FX-10	6.0
FX-261	6.0
FX-33	6.0
S-6-71-138	6.0
S-71-770	6.0
JADE	5.7
MSA-11	5.7
FX-313	5.3
DALSA 8401	5.0
FLORALAWN	5.0
FX-332	5.0
M-1	5.0
MERCEDES	5.0
MSA-2	5.0
S-6-72-107	5.0
TR 6-3 (DD-I)	5.0
DELMAR	4.7
FLORATAM	4.7
RALEIGH	4.7
MSA-20	4.3
S-71-2090	4.3
TR 6-10 (DD-II)	4.3
SEVILLE	3.7
LSD VALUE	2.2

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 12. SEEDHEAD RATINGS OF ST. AUGUSTINEGRASS CULTIVARS  
1993 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 1/

NAME	MS1
FX-33	7.7
BITTERBLUE	6.3
FLORALAWN	6.3
FLORATAM	5.7
FX-10	5.7
M-1	5.0
MSA-2	5.0
S-71-2090	5.0
FX-261	4.7
FX-313	4.7
FX-332	4.7
S-6-71-138	4.7
DELMAR	4.3
JADE	4.3
MSA-11	4.3
MSA-20	4.3
RALEIGH	4.3
S-6-72-107	4.3
TR 6-3 (DD-I)	4.3
DALSA 8401	4.0
MERCEDES	4.0
S-71-770	4.0
SUNCLIPSE	4.0
SEVILLE	3.7
TR 6-10 (DD-II)	3.7
LSD VALUE	1.3

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).