

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 United States Golf Association (USGA) Green Section, one member from the Golf Course Superintendents Assoc. of America (GCSAA), one member for the Turfgrass Producers International (TPI), one member from the Turfgrass Breeders Association and an executive director. 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.

Executive Director - Kevin N. Morris, National Turfgrass Evaluation Program, Inc.

CURRENT POLICY COMMITTEE MEMBERS:

Dr. Steve Johnson, Peak Plant Genetics LLC
Mr. Steve Tubbs, Turf Merchants, Inc.
Dr. Jeff Nus, USGA Green Section
Dr. Michael Richardson, University of Arkansas
Dr. David Kopec, University of Arizona
Mr. Warren Bell, Biograss Sod Farms
Dr. Clark Throssell, Golf Course Superintendents Assoc. of America
Dr. Brian Horgan, University of Minnesota
Mr. Duane Klundt, Scotts Turf-Seed, Inc.
Dr. Scott Ebdon, University of Massachusetts

FOR ADDITIONAL REPORTS OR INFORMATION CONTACT:

Kevin Morris, Executive Director
National Turfgrass Evaluation Program
Beltsville Agricultural Research Center-West
Building 003, Room 218
Beltsville, Maryland 20705
kmorris@ntep.org
www.ntep.org

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A Guide to NTEP Turfgrass Ratings

Introduction

The quality and scientific merit of NTEP data is extremely important. However, the evaluation of turfgrass species and cultivars is a difficult and complex issue. Furthermore, turfgrass evaluation is generally a subjective process based on visual estimates of factors, like genetic color, stand density, leaf texture, uniformity and quality. These factors can not be measured in the same way as other agricultural crops. Turfgrass quality is not a measure of yield or nutritive value. Turfgrass quality is a measure of aesthetics (i.e. density, uniformity, texture, smoothness, growth habit and color), and functional use. The most common way of assessing turfgrass quality is a visual rating system that is based on the turfgrass evaluator's judgement.

General Considerations

Most visual ratings collected on NTEP trials are based on a 1 to 9 rating scale. One is the poorest or lowest and 9 is the best or highest rating. However, a few characteristics, such as winter kill or percent living ground cover, are rated on a percentage basis, again by using the evaluator's judgement. Most disease ratings found in NTEP reports will use the 1-9 scale, 9=no disease except where the evaluator made a judgement of the percentage of disease in each plot. Percent disease data will be found in separate tables and will normally not be included with disease data using the 1-9 scale.

Turfgrass Quality

Turfgrass Quality is based on 9 being outstanding or ideal turf and 1 being poorest or dead. A rating of 6 or above is generally considered acceptable. A quality rating value of 9 is reserved for a perfect or ideal grass, but it also can reflect an absolutely outstanding treatment plot. The NTEP requires quality ratings on a monthly basis. Quality ratings take into account the aesthetic and functional aspects of the turf. Quality ratings are not based on color alone, but on a combination of color, density, uniformity, texture, and disease or environmental stress.

Turfgrass quality ratings are grouped and presented by region, management level, a particular stress (shade, traffic, etc.) and in some cases, by individual location (starting with 2001 data, data from each location will be posted separately as well on the NTEP web site, <http://www.ntep.org>). Also available now is a summary table (Appendix) in the back of this report. This summary table includes various statistical measures not previously compiled for NTEP reports. For an explanation of this table and these changes, please go to the NTEP web site at <http://www.ntep.org/pdf/grandmean.mem.pdf>.

Other Ratings

More detailed information on the ratings of specific characteristics can be found on the NTEP web site at <http://www.ntep.org/reports/ratings.htm>.

2007 NATIONAL ST. AUGUSTINEGRASS TEST

LOCATIONS SUBMITTING DATA FOR 2008

<u>State</u>	<u>Location</u>	<u>Code</u>
Florida	Gainesville	FL1
Georgia	Griffin	GA1
Mississippi	Mississippi State	MS1
North Carolina	Raleigh	NC1
Texas	College Station	TX2

2007 NATIONAL ST. AUGUSTINEGRASS TEST

Entries and Sponsors

Entry No.	Name	Sponsor
*1	Floratom	Standard entry
*2	Raleigh	Standard entry
*3	Mercedes	Standard entry
4	DALSA 0406	Texas A&M University
5	DALSA 0602	Texas A&M University
6	NUF-76	Univ. of Florida/Florida Sod Growers Coop.

* COMMERCIALY AVAILABLE IN THE USA IN 2009.

TABLE A.

2008 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2007 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
FL1	SAND	6.6-7.0	-	-	1.1-2.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
GA1	LOAMY SAND	5.6-6.0	61-150	151-240	-	FULL SUN	2.6-3.0	TO PREVENT STRESS
MS1	SANDY LOAM	6.6-7.0	151-270	241-375	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS
NC1	SILTY CLAY AND CLAY	6.1-6.5	61-150	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
TX2	SANDY CLAY	7.6-8.5	0-60	0-150	2.1-3.0	FULL SUN	2.6-3.0	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2008

LOCATION	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	SUMMER DENSITY	FALL DENSITY
FL1				X	X	X	X	X	X	X		X	X	X	X
GA1		X	X	X	X	X	X	X		X					
MS1	X	X	X	X	X	X	X	X		X	X	X			
NC1	X	X	X	X	X	X	X	X		X	X	X		X	
TX2			X	X	X	X	X	X		X	X	X		X	

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2008

LOCATION	PERCENT COVER	PERCENT COVER	PERCENT COVER	PERCENT WINTER	GRAY LEAF SPOT	FALL COLOR	FALL COLOR	FALL COLOR	FALL COLOR	SEEDHEAD RATINGS	PERCENT ESTABLISHMENT RATINGS				
	SPRING	SUMMER	FALL	KILL		SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER		AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	
* FL1									X						
GA1		X	X			X	X		X						
MS1	X								X		X				
NC1	X	X		X	X		X	X							
TX2	X	X									X	X	X	X	X

* MORE PERCENT ESTABLISHMENT DATA FOR FL1 IN TABLE 19.

TABLE 1. TURFGRASS QUALITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
GROWN AT FOUR LOCATIONS IN THE U.S. FOR AMMI GROUP 1 **/
2008 DATA

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

NAME	TX2	FL1	GA1	MS1	MEAN
DALSA 0406	5.5	6.0	6.9	6.9	6.3
* MERCEDES	4.5	5.2	6.4	6.8	5.7
* RALEIGH	4.9	5.3	6.3	6.3	5.7
DALSA 0602	4.8	5.3	6.2	6.2	5.6
* FLORATAM	5.2	5.5	6.0	5.6	5.6
NUF-76	4.3	5.0	6.3	6.7	5.6
LSD VALUE	1.1	1.1	1.1	1.1	1.1
C.V. (%)	14.3	13.0	11.0	10.9	12.1

TABLE 2. TURFGRASS QUALITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
GROWN AT ONE LOCATIONS IN THE U.S. FOR AMMI GROUP 2 **/
2008 DATA

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

NAME	NC1
MERCEDES	7.0
NUF-76	7.0
DALSA 0406	6.1
RALEIGH	5.5
DALSA 0602	5.4
FLORATAM	3.3
LSD VALUE	1.1
C.V. (%)	12.2

* COMMERCIALY AVAILABLE IN THE USA IN 2009.

** ENTRIES WITHIN THIS TABLE ARE ORDERED BY THE OVERALL MEAN AND HAVE SIMILAR TURF QUALITY PERFORMANCES IN ALL TEST LOCATIONS INCLUDED IN THIS AMMI GROUP. IF YOUR STATE IS NOT REPRESENTED, THEN CHOOSE AN AMMI GROUP THAT CONTAINS A LOCATION AND MANAGEMENT SIMILAR TO YOUR PLANTING CONDITIONS. FOR MORE INFORMATION ON AMMI, GO TO WWW.NTEP.OR/AMMI_Q&A.PDF

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. GENETIC COLOR RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2008 DATA

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

NAME	FL1	GA1	MS1	NC1	TX2	MEAN
NUF-76	6.7	7.3	7.7	7.7	8.0	7.5
DALSA 0406	7.7	6.0	7.0	7.0	7.0	6.9
FLORATAM	8.0	6.7	7.0	5.3	7.3	6.9
RALEIGH	5.0	7.7	6.7	6.3	6.3	6.4
DALSA 0602	6.3	6.0	5.0	5.7	7.0	6.0
MERCEDES	3.3	7.0	6.3	5.7	6.3	5.7
LSD VALUE	1.0	2.5	0.7	1.1	0.7	0.6
C.V. (%)	10.1	22.5	6.2	10.6	5.8	12.7

TABLE 4. SPRING GREENUP RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2008 DATA

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

NAME	MS1	NC1	TX2	MEAN
DALSA 0406	5.0	3.7	7.0	5.2
MERCEDES	5.7	5.7	4.3	5.2
NUF-76	5.3	4.0	5.3	4.9
RALEIGH	5.0	4.3	4.3	4.6
DALSA 0602	4.0	3.3	6.0	4.4
FLORATAM	3.0	1.3	5.0	3.1
LSD VALUE	0.5	1.4	2.4	0.9
C.V. (%)	7.1	23.7	27.6	22.1

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 5. LEAF TEXTURE RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2008 DATA

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

NAME	FL1	MS1	NC1	TX2	MEAN
NUF-76	7.0	7.0	8.0	5.7	6.9
MERCEDES	6.3	6.3	7.0	5.3	6.3
DALSA 0406	5.0	6.3	6.3	5.3	5.8
RALEIGH	6.0	6.0	6.3	4.0	5.6
DALSA 0602	5.7	5.7	3.3	4.7	4.8
FLORATAM	5.0	5.0	3.0	3.0	4.0
LSD VALUE	0.5	0.7	0.7	1.5	0.5
C.V. (%)	5.7	6.7	7.2	20.2	10.4

TABLE 6. SPRING DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2008 DATA

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

NAME	FL1
NUF-76	7.3
DALSA 0406	6.3
MERCEDES	6.3
FLORATAM	6.0
RALEIGH	6.0
DALSA 0602	5.3
LSD VALUE	1.0
C.V. (%)	10.0

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 7. SUMMER DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2008 DATA

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

NAME	FL1	NC1	TX2	MEAN
DALSA 0406	6.7	6.3	6.7	6.6
NUF-76	7.7	7.3	3.7	6.2
MERCEDES	6.3	7.3	4.7	6.1
DALSA 0602	6.0	5.3	5.0	5.4
RALEIGH	6.0	4.7	5.0	5.2
FLORATAM	6.0	2.7	5.0	4.6
LSD VALUE	0.9	1.6	2.3	1.0
C.V. (%)	9.0	17.8	28.3	18.5

TABLE 8. FALL DENSITY RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2008 DATA

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

NAME	FL1
FLORATAM	6.7
DALSA 0406	6.3
DALSA 0602	5.7
MERCEDES	5.3
NUF-76	5.3
RALEIGH	5.3
LSD VALUE	1.1
C.V. (%)	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.

TABLE 9. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2008 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	MS1	NC1	TX2	MEAN
DALSA 0406	92.7	97.7	41.7	77.3
RALEIGH	93.3	97.7	26.7	72.6
MERCEDES	93.3	94.7	26.7	71.6
FLORATAM	76.7	90.0	36.7	67.8
DALSA 0602	85.0	91.7	25.0	67.2
NUF-76	90.0	95.0	8.3	64.4
LSD VALUE	7.9	5.3	28.0	9.9
C.V. (%)	5.6	3.5	63.3	15.1

TABLE 10. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2008 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	GA1	NC1	TX2	MEAN
FLORATAM	86.3	99.0	55.0	80.1
DALSA 0406	69.5	99.0	65.0	77.8
RALEIGH	89.7	99.0	35.0	74.6
DALSA 0602	90.0	97.7	31.7	73.1
MERCEDES	76.7	97.7	36.7	70.3
NUF-76	80.0	96.3	21.7	66.0
LSD VALUE	31.2	2.6	31.3	14.4
C.V. (%)	21.9	1.7	47.7	20.6

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 (FALL) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2008 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	GA1
RALEIGH	96.0
FLORATAM	93.0
NUF-76	92.7
MERCEDES	88.0
DALSA 0602	76.0
DALSA 0406	63.0
LSD VALUE	37.2
C.V. (%)	27.3

TABLE 12. PERCENT WINTER SURVIVAL RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2008 DATA

PERCENT WINTER SURVIVAL RATINGS: LOCATIONS 2/

NAME	NC1
MERCEDES	80.0
RALEIGH	66.7
NUF-76	60.0
DALSA 0406	53.3
DALSA 0602	53.3
FLORATAM	6.7
LSD VALUE	11.5
C.V. (%)	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).

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

TABLE 13. GRAY LEAF SPOT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2008 DATA

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

NAME	NC1
DALSA 0602	8.0
NUF-76	8.0
DALSA 0406	7.7
MERCEDES	7.0
RALEIGH	7.0
FLORATAM	4.0
LSD VALUE	1.8
C.V. (%)	15.9

TABLE 14. FALL COLOR (SEPTEMBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2008 DATA

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

NAME	GA1
MERCEDES	7.7
RALEIGH	7.7
FLORATAM	7.3
NUF-76	7.3
DALSA 0406	6.7
DALSA 0602	6.7
LSD VALUE	1.5
C.V. (%)	12.6

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 15. FALL COLOR (OCTOBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2008 DATA

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

NAME	GA1	NC1	MEAN
DALSA 0406	6.7	7.7	7.2
DALSA 0602	6.3	8.0	7.2
MERCEDES	7.0	7.0	7.0
NUF-76	6.3	7.7	7.0
FLORATAM	6.3	6.3	6.3
RALEIGH	7.3	4.7	6.0
LSD VALUE	0.8	1.2	0.7
C.V. (%)	7.9	10.8	9.5

TABLE 16. FALL COLOR (NOVEMBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2008 DATA

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

NAME	FL1	GA1	MS1	NC1	MEAN
MERCEDES	4.7	6.3	7.0	7.3	6.3
DALSA 0406	5.3	6.7	5.0	6.7	5.9
DALSA 0602	5.7	6.3	4.0	7.7	5.9
RALEIGH	4.7	6.0	6.0	5.0	5.4
FLORATAM	5.7	5.7	4.7	5.0	5.3
NUF-76	5.0	5.7	3.0	6.7	5.1
LSD VALUE	1.4	1.1	0.4	1.4	0.6
C.V. (%)	17.1	10.9	4.8	13.3	12.5

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. FALL COLOR (DECEMBER) RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2008 DATA

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

NAME	FL1
DALSA 0602	5.7
MERCEDES	5.3
DALSA 0406	5.0
NUF-76	5.0
FLORATAM	4.3
RALEIGH	3.7
LSD VALUE	1.5
C.V. (%)	19.5

TABLE 18. SEEDHEAD RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
2008 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	MS1
DALSA 0602	8.7
FLORATAM	6.7
NUF-76	6.0
MERCEDES	5.7
DALSA 0406	5.3
RALEIGH	4.3
LSD VALUE	0.8
C.V. (%)	8.6

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 19.

PERCENT ESTABLISHMENT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
AT GAINESVILLE, FL 2/
2008 DATA

NAME	NOVEMBER 2007	DECEMBER 2007	JANUARY 2008	FEBRUARY 2008	MARCH 2008	APRIL 2008	MAY 2008	JUNE 2008	JULY 2008	AUGUST 2008	SEPTEMBER 2008	MEAN
FLORATAM	15.0	25.0	30.0	28.3	33.3	76.7	83.3	93.3	96.3	97.7	99	61.6
DALSA 0406	11.7	21.7	25.0	28.3	28.3	66.7	80.0	94.7	97.7	99.0	99	59.3
DALSA 0602	10.0	13.3	21.7	21.7	23.3	53.3	60.0	83.3	91.7	96.3	99	52.2
RALEIGH	5.0	10.0	18.3	18.3	21.7	50.0	63.3	88.3	90.0	94.3	99	50.8
MERCEDES	10.0	13.3	18.3	18.3	25.0	46.7	53.3	73.3	83.3	88.3	99	48.1
NUF-76	6.7	10.0	16.7	18.3	20.0	33.3	50.0	76.7	83.3	91.7	99	46.0
LSD VALUE	2.6	7.9	5.5	9.8	8.4	18.4	16.1	14.0	12.1	10.4	0	5.9
C.V. (%)	15.3	27.3	14.0	21.6	16.8	18.3	13.5	8.4	6.6	5.1	0	6.2

TABLE 20. PERCENT ESTABLISHMENT RATINGS OF ST. AUGUSTINEGRASS CULTIVARS 1/
AT COLLEGE STATION, TX 2/
2008 DATA

NAME	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER
FLORATAM	12.3	17.7	22.7	25.0
DALSA 0406	6.3	11.7	18.3	23.3
RALEIGH	7.0	12.3	16.0	19.3
DALSA 0602	8.7	11.3	11.3	16.7
MERCEDES	5.7	8.0	9.3	13.3
NUF-76	5.7	7.3	7.0	8.3
LSD VALUE	6.3	11.3	21.2	21.2
C.V. (%)	38.5	44.3	65.2	52.6

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.