

## **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.

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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 SEASHORE PASPALUM TEST

### LOCATIONS SUBMITTING DATA FOR 2007-12

<u>State</u>	<u>Location</u>	<u>Code</u>
Arkansas	Fayetteville (Cold Tolerance)	AR1
Arizona	Tucson	AZ1
California	Riverside	CA3
Florida	Gainesville	FL1
Florida	Jay	FL3
Georgia	Griffin	GA1
Louisiana	Baton Rouge	LA1
New Mexico	Las Cruces (Saline Irrigation)	NM1

2007 NATIONAL SEASHORE PASPALUM TEST

Entries and Sponsors

Entry No.	Name	Type	Sponsor
*1	Salam	vegetative	Standard entry
*2	Sea Isle 1	vegetative	Standard entry
3	SRX 9HSCP	seeded	Seed Research of Oregon
4	UGA 7	vegetative	Univ. of Georgia
5	UGA 22	vegetative	Univ. of Georgia
6	UGA 31	vegetative	Univ. of Georgia

\* COMMERCIALY AVAILABLE IN THE USA IN 2013.

Taken from the 2007 Seashore Paspalum test - final data report with permission from NTEP

TABLE A. 2007-12 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN THE 2007 NATIONAL SEASHORE PASPALUM 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
AR1	SILT LOAM AND SILT	6.6-7.0	151-270	151-240	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
AZ1	SANDY LOAM	7.6-8.5	0-60	151-240	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
CA3	SANDY LOAM	7.1-7.5	0-60	0-150	2.1-3.0	FULL SUN	0.6-1.0	PREVENT STRESS
FL1	SAND	6.6-7.0	-	-	1.1-2.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
FL3	-	-	-	-	-	-	-	-
GA1	SANDY LOAM	5.6-6.0	0-60	241-375	2.1-3.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
LA1	SILTY CLAY AND CLAY	6.1-6.5	151-270	241-375	3.1-4.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
NM1	LOAMY SAND	7.6-8.5	-	-	5.1-6.0	FULL SUN	0.6-1.0	TO PREVENT STRESS

TABLE B. LOCATIONS AND DATA COLLECTED IN 2007-12

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
AR1					X	X	X	X	X	X			X	X	X
AZ1				X	X	X	X	X	X	X	X	X	X	X	X
CA3	X	X	X	X	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
FL3			X	X	X	X	X	X	X	X	X	X	X	X	
GA1			X		X	X	X	X	X	X	X	X	X	X	
LA1			X	X	X	X	X	X	X	X	X	X	X	X	X
NM1				X	X	X	X	X	X	X	X		X	X	

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2007-12

LOCATION	SEEDLING VIGOR	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT COVER FALL	FROST TOLERANCE	WINTER COLOR	PERCENT WINTER KILL	DOLLAR SPOT	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	FALL COLOR NOVEMBER	FALL COLOR DECEMBER
AR1	X		X		X	X				X	X		X		
AZ1	X	X	X	X	X	X	X		X			X	X	X	X
CA3	X	X	X	X				X	X					X	X
FL1		X	X	X	X				X			X	X	X	X
FL3		X	X	X									X	X	
GA1				X	X	X	X		X			X	X	X	X
LA1		X	X	X										X	
NM1					X	X	X					X	X	X	

TABLE B. (CONT'D)

LOCATIONS AND DATA COLLECTED IN 2007-12

LOCATION	SEEDHEAD RATINGS	PERCENT ESTABLISHMENT	WEED RATINGS	MOLE CRICKET DAMAGE	DOLLAR SPOT			PERCENT ESTABLISHMENT			PERCENT ESTABLISHMENT IN 2007				PERCENT ESTABLISHMENT			
					MAY	JUNE	JULY	JAN 2007	AUG 2008	SEP 2008	JULY	AUG	SEP	OCT	2-WEEKS	4-WEEKS	6-WEEKS	8-WEEKS
AR1	X										X	X	X	X				
AZ1		X																
CA3			X															
* FL1				X	X	X	X											
FL3								X	X	X								
GA1																		
LA1	X															X	X	X
NM1																		

\* MORE PERCENT ESTABLISHMENT DATA FOR FL1 IN TABLE 25.

Taken from the 2007 Seashore Paspalum test - final data report with permission from NTEP

TABLE 1. MEAN TURFGRASS QUALITY RATINGS OF SEASHORE PASPALUM CULTIVARS  
GROWN AT SIX LOCATIONS IN THE U.S. 1/  
2007-12 DATA

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

NAME	AZ1	CA3	FL1	FL3	GA1	LA1	MEAN
UGA 22	7.0	6.4	5.9	5.8	7.3	6.3	6.5
SRX 9HSCP	6.3	6.5	5.5	5.3	7.0	6.4	6.2
* SALAM	6.4	6.0	5.4	5.7	7.3	6.5	6.2
UGA 31	6.1	5.9	5.6	5.6	7.5	6.0	6.0
* SEA ISLE 1	6.0	6.0	5.4	5.6	7.3	6.4	6.0
UGA 7	6.6	5.9	5.2	4.9	7.2	6.0	5.9
LSD VALUE	1.1	0.7	0.7	1.3	0.6	0.4	0.5
C.V. (%)	11.3	7.2	8.2	14.7	4.8	4.2	9.9

\* COMMERCIALY AVAILABLE IN THE USA IN 2013.

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.

Taken from the 2007 Seashore Paspalum test - final data report with permission from NTEP

TABLE 2. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SEASHORE PASPALUM CULTIVARS  
GROWN UNDER COLD STRESS AT FAYETTEVILLE, AR 1/  
2007-10 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	SEEDLING VIGOR	QUALITY RATINGS						MEAN
					MAY	JUN	JUL	AUG	SEP	OCT	
UGA 7	7.8	4.4	8.0	.	5.9	6.7	7.7	7.7	7.9	7.3	7.0
UGA 22	6.8	5.7	7.7	.	5.6	5.9	7.3	7.7	7.9	7.2	6.8
UGA 31	8.0	4.2	7.7	.	5.2	6.0	7.2	7.3	7.7	6.5	6.5
SEA ISLE 1	6.9	4.8	8.0	.	5.8	5.8	6.9	7.2	7.1	6.8	6.4
SRX 9HSCP	6.9	4.6	7.3	4	5.1	6.1	7.0	6.9	7.6	6.3	6.3
SALAM	6.9	5.4	7.0	.	4.9	5.6	6.6	6.6	6.7	6.0	6.0
LSD VALUE	0.4	0.6	0.3	.	1.4	1.2	0.9	0.8	0.4	1.9	0.6
C.V. (%)	6.2	14.0	3.9	.	19.4	15.8	10.8	10.1	5.7	17.3	10.5

TABLE 2. (CONT'D) MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SEASHORE PASPALUM CULTIVARS  
GROWN UNDER COLD STRESS AT FAYETTEVILLE, AR 1/  
2007-10 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/

NAME	DENSITY SUMMER	PERCENT COVER SPRING	PERCENT COVER SUMMER	PERCENT WINTER KILL	DOLLAR SPOT	FALL COLOR OCTOBER	SEEDHEAD RATINGS	PERCENT ESTABLISHMENT RATINGS			
								JULY	AUGUST	SEPTEMBER	OCTOBER
UGA 7	7.7	23.3	86.0	54.3	2.0	6.5	8.0	10.3	37.0	96.0	99.0
UGA 22	7.0	38.3	89.0	54.5	2.0	6.5	5.7	9.3	37.7	93.0	98.7
UGA 31	7.2	48.3	89.7	57.7	1.3	6.5	6.0	9.3	39.3	86.7	96.0
SEA ISLE 1	7.3	25.0	86.8	59.2	1.3	5.8	4.3	6.7	31.0	92.3	98.3
SRX 9HSCP	6.9	36.7	88.8	57.5	2.3	5.8	6.3	2.0	25.0	91.3	97.3
SALAM	6.3	58.3	94.1	48.3	5.0	6.2	3.7	10.7	41.0	93.0	99.0
LSD VALUE	0.7	22.7	23.7	86.3	2.3	0.6	0.8	2.2	9.3	13.2	5.4
C.V. (%)	9.4	30.0	17.1	78.8	50.1	7.6	8.5	16.0	13.6	6.0	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).

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

Taken from the 2007 Seashore Paspalum test - final data report with permission from NTEP

TABLE 3. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SEASHORE PASPALUM CULTIVARS GROWN UNDER SALT TOLERANCE AT LAS CRUCES, NM 1/ 2008-12 DATA

NAME	GENETIC COLOR	SPRING GREENUP	PERCENT COVER			FALL COLOR			QUALITY RATINGS							MEAN	
			SPRING	SUMMER	FALL	SEPTEMBER	OCTOBER	NOVEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT		NOV
SEA ISLE 1	7.3	4.3	50.2	88.0	80.8	8.5	6.3	5.2	5.2	5.2	6.0	6.3	6.5	6.6	6.5	5.3	6.1
UGA 7	7.6	5.0	32.3	75.9	71.6	7.2	7.0	5.8	4.5	4.9	5.9	6.0	6.5	6.2	5.7	5.5	5.8
SRX 9HSCP	7.1	3.7	37.4	82.8	67.3	7.2	7.0	5.2	5.0	5.1	5.7	6.3	6.0	5.8	5.6	4.7	5.6
UGA 22	7.4	4.3	43.3	83.4	69.6	6.7	7.0	5.8	4.9	5.0	5.6	5.9	6.0	5.8	5.5	5.0	5.6
UGA 31	7.7	4.3	30.7	77.3	66.3	7.3	7.3	5.8	4.5	4.8	5.7	5.6	5.7	5.5	5.5	4.6	5.4
SALAM	6.9	4.0	30.7	76.5	68.4	4.7	6.3	4.2	4.0	4.1	5.0	4.9	4.9	4.6	4.1	4.3	4.6
LSD VALUE	0.7	0.9	30.2	24.0	59.2	2.1	1.8	2.2	2.6	1.9	1.7	1.2	1.0	1.1	1.2	2.1	1.2
C.V. (%)	10.8	10.2	60.5	24.0	52.4	23.9	11.0	31.3	43.1	32.0	27.1	23.7	22.0	24.3	29.5	36.0	25.3

\*/ THE FOLLOWING IS INFORMATION ON SALINITY AT THIS SITE:

WATER QUALITY: PH 7.9, TOTAL DISSOLVED SOLIDS 1800, SAR 2.06

SOIL QUALITY (MEASURED IN JUNE, NOV.; 0-4 INCH DEPTH): PH 7.8, 7.8; EC (dS/m) 2.1, 5.2; SAR 2.1, 8.5

SOIL QUALITY (MEASURED IN JUNE, NOV.; 4-8 INCH DEPTH): PH 8.4, 8.0; EC (dS/m) 1.6, 2.4; SAR 2.2, 4.1

TABLE 4. GENETIC COLOR RATINGS OF SEASHORE PASPALUM CULTIVARS 1/ 2007-12 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/							MEAN
	AZ1	CA3	FL1	FL3	GA1	LA1		
UGA 31	7.1	7.4	7.5	7.1	7.8	6.3	7.2	
UGA 7	6.6	7.7	7.1	6.0	7.7	6.6	6.9	
UGA 22	6.2	6.7	7.1	6.5	7.5	6.2	6.7	
SEA ISLE 1	6.2	6.1	7.0	6.4	7.8	6.6	6.7	
SALAM	6.2	6.0	6.7	6.6	7.6	6.2	6.6	
SRX 9HSCP	5.8	6.4	7.2	5.9	7.5	6.0	6.4	
LSD VALUE	0.7	1.0	1.1	2.0	1.1	0.7	0.6	
C.V. (%)	6.6	9.4	9.9	19.3	8.3	6.4	11.4	

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 5. SPRING GREENUP RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007-12 DATA

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

NAME	AZ1	CA3	FL1	FL3	GA1	LA1	MEAN
SALAM	6.5	4.8	4.5	2.3	7.6	6.0	5.7
SEA ISLE 1	6.7	4.6	4.8	2.0	7.9	4.8	5.7
UGA 22	6.7	3.8	4.7	2.0	7.9	5.3	5.6
UGA 31	6.9	4.5	4.8	2.0	7.6	4.2	5.5
UGA 7	7.1	4.3	4.5	2.0	7.2	4.7	5.5
SRX 9HSCP	5.9	4.8	4.7	1.3	7.5	5.5	5.4
LSD VALUE	1.5	1.4	1.1	0.5	1.2	1.6	0.7
C.V. (%)	13.8	19.2	14.8	17.1	9.8	19.7	15.1

TABLE 6. LEAF TEXTURE RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007-12 DATA

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

NAME	AZ1	CA3	FL1	LA1	MEAN
UGA 31	6.9	7.9	7.0	6.3	6.9
UGA 22	6.7	7.7	7.2	6.1	6.8
UGA 7	6.8	7.0	6.8	6.8	6.8
SEA ISLE 1	6.6	7.0	6.7	6.0	6.5
SRX 9HSCP	6.1	7.2	6.7	6.4	6.4
SALAM	6.3	6.7	6.3	6.4	6.4
LSD VALUE	0.9	1.0	0.8	0.8	0.6
C.V. (%)	8.5	8.2	6.9	8.1	8.2

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 7. SEEDLING VIGOR RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007 DATA

SEEDLING VIGOR RATINGS 1-9; 9=MAXIMUM VIGOR 2/

NAME	AZ1	CA3	MEAN
SRX 9HSCP	8.0	7	7.5
LSD VALUE	1.6	0	0.8
C.V. (%)	12.5	0	9.4

TABLE 8. SPRING DENSITY RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007-12 DATA

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

NAME	AZ1	CA3	FL1	FL3	LA1	MEAN
UGA 22	7.1	6.1	5.9	4.9	5.7	6.0
SEA ISLE 1	6.6	6.3	5.5	4.8	5.3	5.7
SALAM	6.3	5.9	5.0	5.1	6.0	5.6
SRX 9HSCP	6.4	6.9	5.3	3.6	6.3	5.5
UGA 31	6.2	6.2	5.3	4.7	5.2	5.5
UGA 7	6.4	6.6	4.9	3.6	5.5	5.3
LSD VALUE	1.7	1.1	1.1	1.6	0.8	0.8
C.V. (%)	18.1	11.4	13.6	21.5	8.3	16.8

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 9. SUMMER DENSITY RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007-12 DATA

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

NAME	AZ1	CA3	FL1	FL3	LA1	MEAN
UGA 22	7.2	7.8	7.1	7.2	5.8	7.1
UGA 31	6.6	8.2	6.5	7.2	6.0	6.7
SRX 9HSCP	7.1	7.7	6.0	6.3	6.8	6.6
UGA 7	7.1	8.3	6.1	6.4	5.2	6.5
SALAM	6.3	7.3	6.4	6.8	6.3	6.5
SEA ISLE 1	6.3	7.7	6.2	6.8	5.8	6.5
LSD VALUE	1.2	0.8	1.1	1.7	0.8	0.7
C.V. (%)	11.5	6.6	11.3	16.0	8.7	12.7

TABLE 10. FALL DENSITY RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007-12 DATA

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

NAME	AZ1	CA3	FL1	FL3	GA1	LA1	MEAN
UGA 22	8.0	8.0	6.1	6.5	7	6.3	6.9
SRX 9HSCP	7.9	7.7	5.7	6.5	7	6.4	6.8
SALAM	7.3	7.3	5.6	6.8	7	6.8	6.7
UGA 31	7.3	8.0	5.7	6.3	7	5.7	6.4
UGA 7	7.4	7.0	5.5	5.8	7	6.0	6.3
SEA ISLE 1	6.7	8.0	5.4	6.3	7	5.9	6.2
LSD VALUE	1.3	0.5	1.0	2.2	0	1.0	0.7
C.V. (%)	10.6	4.3	11.0	22.0	0	10.4	12.9

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 11. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007-12 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	FL1	GA1	MEAN
SRX 9HSCP	73.8	70.0	80.0	77.6
UGA 31	73.2	70.8	86.7	76.8
SEA ISLE 1	72.5	66.7	93.0	76.4
SALAM	72.9	69.2	83.3	75.8
UGA 7	75.3	66.7	83.3	75.6
UGA 22	71.3	65.0	90.0	75.3
LSD VALUE	17.7	12.6	11.9	11.7
C.V. (%)	20.9	12.3	8.6	14.3

TABLE 12. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007-12 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/

NAME	AZ1	GA1	MEAN
UGA 22	95.0	92.5	94.4
SRX 9HSCP	94.7	87.5	93.6
UGA 7	95.1	80.0	93.3
SEA ISLE 1	93.5	90.0	92.6
UGA 31	92.8	88.3	91.9
SALAM	94.8	66.7	91.6
LSD VALUE	5.4	40.9	8.2
C.V. (%)	3.7	24.0	6.2

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 13. PERCENT LIVING GROUND COVER (FALL) RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007-12 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	AZ1	GA1	MEAN
SALAM	89.3	98.3	90.1
UGA 22	88.4	98.3	88.5
UGA 7	86.9	96.7	87.5
SRX 9HSCP	86.4	97.5	86.8
UGA 31	84.6	99.0	86.0
SEA ISLE 1	82.9	99.0	85.1
LSD VALUE	9.3	4.4	8.3
C.V. (%)	9.8	2.7	9.6

TABLE 14. FROST TOLERANCE RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007-12 DATA

FROST TOLERANCE RATINGS 1-9; 9=NO INJURY 2/ 3/

NAME	CA3
SALAM	4.7
SRX 9HSCP	4.0
UGA 31	4.0
UGA 22	3.8
UGA 7	3.7
SEA ISLE 1	3.5
LSD VALUE	1.4
C.V. (%)	23.7

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.

3/ FROST TOLERANCE RATED IN 2010-11.

TABLE 15. WINTER COLOR RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007-12 DATA

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

NAME	AZ1	CA3	FL1	GA1	MEAN
UGA 22	2.5	4.2	1.3	5.5	3.7
SALAM	2.5	4.3	1.3	5.7	3.6
UGA 31	2.1	4.4	1.3	5.5	3.4
SRX 9HSCP	2.1	3.9	1.0	5.8	3.4
UGA 7	2.2	4.0	1.3	5.0	3.4
SEA ISLE 1	2.1	3.8	1.0	5.2	3.3
LSD VALUE	1.1	1.6	0.8	1.2	1.0
C.V. (%)	33.7	26.0	38.6	13.0	26.6

TABLE 16. FALL COLOR (SEPTEMBER) RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007-12 DATA

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

NAME	AZ1	FL1	GA1	MEAN
UGA 31	6.9	6.8	7.9	7.2
UGA 22	6.5	7.0	7.7	7.0
UGA 7	6.6	6.6	7.5	6.9
SALAM	6.0	6.8	7.7	6.8
SEA ISLE 1	5.9	6.4	7.8	6.8
SRX 9HSCP	5.8	6.8	6.9	6.5
LSD VALUE	1.1	1.2	1.0	0.7
C.V. (%)	11.3	11.3	8.2	10.5

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 (OCTOBER) RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007-12 DATA

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

NAME	AZ1	FL1	FL3	GA1	MEAN
UGA 31	7.6	6.9	6.6	7.4	7.1
UGA 22	6.6	7.0	6.4	7.4	6.8
SEA ISLE 1	6.7	6.4	6.4	7.5	6.7
SALAM	6.3	6.7	6.6	7.4	6.7
UGA 7	6.5	6.6	5.5	7.5	6.6
SRX 9HSCP	6.0	6.7	5.8	7.3	6.4
LSD VALUE	1.2	1.2	1.8	1.0	0.7
C.V. (%)	10.9	10.8	19.3	7.9	12.1

TABLE 18. FALL COLOR (NOVEMBER) RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007-12 DATA

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

NAME	AZ1	CA3	FL1	FL3	GA1	LA1	MEAN
UGA 31	7.0	7.0	6.2	5.5	6.0	5.3	6.4
SALAM	6.2	6.7	6.2	5.7	6.4	5.8	6.2
UGA 7	6.6	6.0	5.9	5.2	6.4	5.2	6.2
UGA 22	5.9	6.7	6.1	5.7	5.8	4.8	6.0
SEA ISLE 1	6.1	6.3	5.9	5.2	5.9	5.5	5.9
SRX 9HSCP	5.4	5.3	5.9	4.3	6.0	4.7	5.4
LSD VALUE	1.2	1.0	1.2	1.0	1.0	1.1	0.7
C.V. (%)	11.8	9.8	12.5	12.2	9.3	13.2	12.0

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. FALL COLOR (DECEMBER) RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007-12 DATA

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

NAME	AZ1	CA3	FL1	GA1	MEAN
SALAM	4.0	6.7	5.1	5.0	4.6
UGA 31	4.1	6.3	5.1	5.0	4.6
UGA 22	3.8	6.0	5.1	4.7	4.6
UGA 7	4.1	7.0	4.5	4.0	4.4
SEA ISLE 1	3.7	6.7	4.5	4.3	4.2
SRX 9HSCP	3.5	5.7	4.4	5.0	4.1
LSD VALUE	1.2	1.2	1.0	1.0	0.8
C.V. (%)	23.2	11.7	16.9	12.4	18.8

TABLE 20. SEEDHEAD RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007-12 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/ 3/

NAME	LA1
SRX 9HSCP	9.0
SALAM	8.0
UGA 7	7.7
SEA ISLE 1	7.3
UGA 22	7.3
UGA 31	7.3
LSD VALUE	0.8
C.V. (%)	6.1

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.

3/ SEEDHEAD RATED IN 2007 ONLY.

TABLE 21. PERCENT ESTABLISHMENT RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007 DATA 2/

NAME	AZ1
UGA 22	93.3
SALAM	93.0
SRX 9HSCP	92.7
SEA ISLE 1	81.7
UGA 7	75.0
UGA 31	63.3
LSD VALUE	21.0
C.V. (%)	15.7

TABLE 22. WEED RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007-12 DATA

WEED RATINGS 1-9; 9=NONE 2/ 3/

NAME	CA3
SRX 9HSCP	8.3
SALAM	5.3
UGA 7	5.3
UGA 22	5.0
SEA ISLE 1	4.3
UGA 31	3.3
LSD VALUE	1.7
C.V. (%)	20.0

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.

3/ WEED RATED IN 2007 ONLY.

TABLE 23. MOLE CRICKET DAMAGE RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
2007-12 DATA

MOLE CRICKET DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/ 3/

NAME	FL1
UGA 7	7.7
SEA ISLE 1	6.7
SALAM	6.0
UGA 22	6.0
UGA 31	6.0
SRX 9HSCP	5.7
LSD VALUE	2.5
C.V. (%)	24.1

TABLE 24. DOLLAR SPOT RATINGS OF SEASHORE PASPALUM CULTIVARS  
AT GAINESVILLE, FL 1/  
2007-12 DATA

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

NAME	MAY	JUNE	JULY	MEAN
SALAM	6.3	3.7	6.0	5.3
SEA ISLE 1	6.7	6.0	7.0	6.6
SRX 9HSCP	6.0	5.7	6.7	6.1
UGA 22	5.7	3.3	6.0	5.0
UGA 31	6.7	5.3	7.0	6.3
UGA 7	5.3	4.3	4.3	4.7
LSD VALUE	1.6	2.6	1.8	1.9
C.V. (%)	11.8	25.8	14.5	15.5

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.

3/ MOLE CRICKET DAMAGE AND DOLLAR SPOT RATED IN 2009 ONLY.

TABLE 25. Taken from the 2007 Seashore Paspalum test - final data report with permission from NTEP  
 PERCENT ESTABLISHMENT RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
 AT GAINESVILLE, FL 2/  
 2008 DATA

NAME	11_01 2007	11_15 2007	11_30 2007	12_04 2007	01_04 2008	01_17 2008	02_13 2008	03_10 2008	03_28 2008	04_23 2008	05_08 2008	05_28 2008	06_15 2008	07_05 2008	07_30 2008	MEAN
SALAM	10	10.0	11.7	25.0	26.7	31.7	31.7	36.7	58.3	76.7	73.3	88.3	97.7	99.0	99	51.7
UGA 22	10	11.7	13.3	26.7	28.3	31.7	26.7	28.3	60.0	76.7	73.3	85.0	97.7	99.0	99	51.2
SEA ISLE 1	10	11.7	11.7	26.7	26.7	30.0	25.0	28.3	46.7	76.7	70.0	78.3	94.7	99.0	99	49.0
UGA 31	10	13.3	15.0	28.3	28.3	33.3	26.7	23.3	43.3	70.0	60.0	78.3	95.0	99.0	99	48.2
UGA 7	10	11.7	13.3	21.7	23.3	23.3	21.7	23.3	33.3	73.3	63.3	76.7	93.3	97.7	99	45.7
SRX 9HSCP	2	2.0	5.0	10.0	11.7	11.7	13.3	13.3	33.3	60.0	63.3	76.7	95.0	99.0	99	39.7
LSD VALUE	0	4.6	4.9	7.4	7.1	11.4	6.4	9.9	23.1	18.8	17.1	16.6	6.5	2.2	0	6.3
C.V. (%)	0	25.1	22.1	17.6	16.0	22.4	14.6	20.7	24.6	11.8	11.4	9.0	2.9	1.0	0	7.0

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 26. PERCENT ESTABLISHMENT RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
 AT JAY, FL 2/  
 2008 DATA

NAME	JANUARY	AUGUST	SEPTEMBER	MEAN
UGA 22	7.7	89.3	88.0	61.7
SALAM	8.7	85.0	88.3	60.7
SEA ISLE 1	2.7	76.7	85.0	54.8
UGA 7	3.7	73.3	75.0	50.7
UGA 31	6.0	56.7	68.3	43.7
SRX 9HSCP	0.0	55.0	68.3	41.1
LSD VALUE	4.7	31.3	36.0	21.2
C.V. (%)	51.2	20.6	19.6	19.0

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 27. PERCENT ESTABLISHMENT RATINGS OF SEASHORE PASPALUM CULTIVARS 1/  
AT BATON ROUGE, LA 2/  
2007 DATA

NAME	2-WEEKS	4-WEEKS	6-WEEKS	8-WEEKS	MEAN
SRX 9HSCP	30.0	58.3	83.3	96.3	67.0
SALAM	15.0	46.7	78.3	91.7	57.9
UGA 22	15.0	41.7	76.7	95.0	57.1
SEA ISLE 1	13.3	41.7	65.0	90.0	52.5
UGA 7	11.7	36.7	68.3	88.3	51.3
UGA 31	15.0	40.0	63.3	85.0	50.8
LSD VALUE	7.2	6.2	13.6	7.9	4.5
C.V. (%)	23.9	8.0	9.5	4.3	4.6

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.