

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.

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Mr. Ryan Jeffries, Columbia Seeds, Inc.
Dr. Mike Kenna, USGA Green Section
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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>.

2013 NATIONAL WARM-SEASON PUTTING GREEN TEST

LOCATIONS SUBMITTING DATA FOR 2016

<u>State</u>	<u>Location</u>	<u>Code</u>
Arizona	Tucson	AZ1
California	Rancho Mirage, CA (Tamarisk C.C.)	CA4
Florida	Jay	FL3
Georgia	Griffin	GA1
Indiana	Bloomington (Bloomington C.C.)	IN3
Kentucky	Lexington	KY1
Mississippi	Miss. St.	MS1
Texas	College Station	TX2
Virginia	Richmond, VA (C. C. of Richmond)	VA6

2013 NATIONAL WARM-SEASON PUTTING GREEN TEST

Entries and Sponsors

Entry No	Name	Species	Sponsor
*1	Tifwarf	Bermuda	Standard Entry
*2	Tifeagle	Bermuda	Standard Entry
*3	Mini-Verde	Bermuda	Standard Entry
*4	Sunday	Bermuda	Sod Solutions
5	08-T-18	Bermuda	Georgia Seed Development Commission
6	11-T-861	Bermuda	Georgia Seed Development Commission
7	FAES 1302	Bermuda	University of Florida
8	OKC-13-78-5	Bermuda	Oklahoma State University
9	OKC-1-75-2	Bermuda	Oklahoma State University
10	OKC-16-13-8	Bermuda	Oklahoma State University
11	MSB-264	Bermuda	Mississippi State University
12	MSB-285	Bermuda	Mississippi State University
13	CTF-E3	Bermuda	Champion Turf Farms
14	CTF-B10	Bermuda	Champion Turf Farms
15	JK 110521	Bermuda	Evergreen Turf Inc
16	FAES 1301	Zoysiagrass	University of Florida
17	10-TZ-74	Zoysiagrass	Georgia Seed Development
*18	L1F	Zoysiagrass	Bladerunner Farms
19	DALZ 1306	Zoysiagrass	Bladerunner Farms
20	DALZ 1307	Zoysiagrass	Bladerunner Farms
21	DALZ 1308	Zoysiagrass	Bladerunner Farms
22	DALZ 1309	Zoysiagrass	Bladerunner Farms
*23	Diamond	Zoysiagrass	Standard Entry
24	DALZ 1304	Zoysiagrass	Bladerunner Farms
25	DALZ 1305	Zoysiagrass	Bladerunner Farms
26	ZOYSIU	Zoysiagrass	Grassland Oregon
*27	SeaDwarf	Seashore Paspalum	Standard Entry
28	UGA 1743	Seashore Paspalum	UGA Research Foundation

* **COMMERCIALY AVAILABLE IN THE USA IN 2017**

TABLE A. 2016 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN THE 2013 NATIONAL WARM-SEASON PUTTING GREEN 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
AZ1	-	-	-	-	-	-	-	-
CA4	SAND	7.6-8.5	0-60	151-240	5.1-6.0	FULL SUN	0.140-0.165	TO PREVENT STRESS
FL3	-	-	-	-	-	-	0.140-0.165	-
GA1	SAND	-	-	-	3.1-4.0	FULL SUN	0.140-0.165	TO PREVENT STRESS
IN3	SANDY LOAM	7.1-7.5	-	-	-	FULL SUN	0.140-0.165	TO PREVENT DORMANCY
KY1	SAND	7.6-8.5	0-60	0-150	3.1-4.0	FULL SUN	0.140-0.165	TO PREVENT STRESS
MS1	SAND	6.1-6.5	0-60	0-150	-	FULL SUN	0.140-0.165	TO PREVENT STRESS
TX2	-	7.6-8.5	-	-	0.0-1.0	FULL SUN	0.140-0.165	TO PREVENT STRESS
VA6	SILTY CLAY LOAM	6.1-6.5	61-150	151-240	3.1-4.0	FULL SUN	0.140-0.165	TO PREVENT DORMANCY

TABLE 1A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BERMUDAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT TUCSON, AZ 1/
2016 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ BALL ROLL MEASURED IN INCHES																
NAME	GENETIC COLOR	LEAF TEXTURE	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	WINTER COLOR	BALL ROLL MEASUREMENTS		QUALITY RATINGS							
							JUNE	OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
11-T-861	5.0	6.0	8.0	7.0	7.3	2.3	62.0	57.0	6.3	6.3	7.3	8.0	8.3	8.7	7.3	5.3
08-T-18	5.3	8.3	9.0	7.7	9.0	5.7	65.7	56.0	5.7	6.0	7.0	8.0	8.7	8.3	7.0	6.3
OKC-1-75-2	8.0	6.7	7.3	6.3	7.3	7.7	69.7	66.0	5.7	5.7	7.0	7.7	8.0	8.3	7.0	6.0
MSB-264	5.7	8.0	8.7	8.7	8.0	5.3	67.3	63.0	5.7	5.7	6.7	8.0	9.0	7.7	6.7	5.0
JK 110521	5.3	7.0	7.3	6.7	7.3	4.0	83.0	77.0	5.7	6.0	7.0	8.0	7.3	7.3	6.7	5.3
MSB-285	6.3	8.3	8.0	7.0	8.3	5.7	67.3	63.0	6.0	6.0	6.7	7.7	8.0	7.0	6.7	5.7
SUNDAY	5.0	7.3	8.3	7.3	7.3	3.3	73.7	67.3	5.7	6.0	6.7	8.0	8.0	8.0	6.0	4.7
OKC-16-13-8	7.0	7.3	8.3	7.0	7.0	4.7	67.3	65.7	5.0	6.0	7.0	8.0	7.3	7.7	6.0	5.0
OKC-13-78-5	7.0	8.0	6.7	6.0	6.3	7.3	74.7	71.3	5.7	5.7	6.3	7.7	7.7	6.7	5.7	4.3
FAES 1302	5.3	7.7	7.3	7.0	6.7	4.3	89.0	90.0	5.3	5.0	6.0	7.3	7.3	7.3	5.7	5.0
TIFWARF	6.3	6.0	6.0	6.0	5.7	4.7	87.0	81.7	5.7	6.0	6.3	7.0	6.7	6.0	6.0	4.3
MINI-VERDE	6.0	7.3	6.7	6.3	5.3	3.3	91.7	89.3	5.3	5.3	6.0	6.7	6.3	6.7	5.3	4.7
TIFEAGLE	5.7	7.0	6.7	7.7	7.3	3.7	86.0	78.7	4.0	4.7	5.7	7.0	7.3	6.0	5.0	5.0
CTF-B10	4.3	7.7	5.7	5.7	5.0	4.0	98.7	92.3	4.0	4.3	6.0	6.3	6.3	6.0	5.0	4.7
CTF-E3	6.7	5.7	4.3	6.0	5.7	5.0	87.7	87.7	4.7	4.7	5.3	6.0	6.3	6.0	5.0	3.3
LSD VALUE	1.2	1.4	0.9	2.6	1.0	1.3	12.1	9.4	1.3	1.7	1.1	0.9	1.1	1.2	0.9	1.1
C.V. (%)	12.4	10.9	8.0	16.2	9.1	17.8	9.6	8.2	12.7	13.6	8.7	7.4	8.7	9.7	9.0	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.

Taken from the 2013 National Warm-Season Putting Green test - 2016 data report with permission from NTEP

TABLE 1B.
MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT TUCSON, AZ 1/
2016 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ BALL ROLL MEASURED IN INCHES																		
NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	FALL DENSITY	PERCENT COVER SPRING	WINTER COLOR	BALL ROLL MEASUREMENTS		APR	MAY	JUN	QUALITY RATINGS						MEAN
							JUNE	OCTOBER				JUL	AUG	SEP	OCT	NOV	DEC	
DALZ 1309	5.0	9.0	8.7	8.3	99.0	7.7	99.3	96.3	7.0	7.7	8.0	9.0	8.0	8.0	8.0	8.3	7.7	8.0
DALZ 1306	4.7	7.0	9.0	8.7	99.0	6.0	95.3	89.0	7.0	7.3	7.3	8.7	7.7	8.7	8.7	8.3	5.3	7.7
DALZ 1304	5.3	8.7	8.0	8.0	97.7	8.0	89.3	84.7	6.7	7.3	6.0	7.7	7.0	8.0	8.3	7.7	8.0	7.4
DALZ 1307	5.3	7.7	8.0	7.3	99.0	5.3	99.0	94.3	7.3	7.7	7.7	8.7	8.3	7.0	6.0	8.0	5.7	7.4
DALZ 1305	4.7	9.0	7.0	7.7	99.0	7.0	100.0	87.0	6.3	7.0	6.7	8.0	7.0	7.7	7.7	7.3	7.0	7.2
DALZ 1308	4.7	6.0	8.0	7.3	94.3	5.3	105.0	93.7	7.0	7.0	7.3	8.7	8.0	6.7	5.7	7.3	5.0	7.0
DIAMOND	6.0	7.3	7.7	7.3	99.0	6.3	97.0	90.7	6.3	6.3	6.0	7.3	6.7	7.7	8.3	7.3	6.7	7.0
FAES 1301	6.0	7.3	9.0	9.0	99.0	7.0	91.0	82.3	6.0	7.0	6.7	8.0	7.3	7.0	6.7	7.0	7.0	7.0
L1F	4.7	6.3	7.3	7.3	99.0	6.0	91.3	82.3	6.3	7.3	6.3	7.3	7.0	7.0	7.3	7.3	5.7	6.9
10-TZ-74	6.0	8.0	9.0	8.3	89.7	4.3	108.0	101.0	6.7	6.7	6.0	6.7	6.0	5.3	4.7	6.7	4.0	5.9
ZOYSIU	5.3	8.0	5.7	4.7	96.0	2.0	98.7	95.0	4.7	5.3	4.7	6.0	5.3	5.0	5.0	5.3	3.3	5.0
LSD VALUE	1.8	4.2	1.1	1.3	9.2	1.2	14.0	15.3	0.9	0.8	0.9	0.7	0.8	0.9	1.5	1.1	1.7	0.6
C.V. (%)	14.7	21.5	8.3	9.8	4.1	12.5	6.8	7.9	8.2	6.8	8.3	5.3	6.6	7.5	12.7	8.8	16.7	5.8

TABLE 1C.
MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SEASHORE PASPALUM CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT TUCSON, AZ 1/
2016 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ BALL ROLL MEASURED IN INCHES																		
NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	FALL DENSITY	PERCENT COVER SPRING	WINTER COLOR	BALL ROLL MEASUREMENTS		APR	MAY	JUN	QUALITY RATINGS						MEAN
							JUNE	OCTOBER				JUL	AUG	SEP	OCT	NOV	DEC	
UGA 1743	6.7	4.7	5.7	6.3	99.0	2.7	96.7	87.7	6.0	6.3	6.0	7.3	6.7	6.7	7.0	7.0	4.0	6.3
SEADWARF	6.7	4.7	5.7	6.3	97.7	3.0	103.0	86.7	5.3	5.7	5.7	6.7	6.3	6.7	7.3	6.7	5.0	6.1
LSD VALUE	1.8	4.2	1.1	1.3	9.2	1.2	14.0	15.3	0.9	0.8	0.9	0.7	0.8	0.9	1.5	1.1	1.7	0.6
C.V. (%)	10.6	26.2	0.0	11.2	1.7	14.4	4.2	0.8	7.2	6.8	7.0	5.8	6.3	0.0	5.7	6.0	15.7	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).

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

TABLE 2A. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BERMUDAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT RANCHO MIRAGE, CA (TAMARISK C.C.) 1/
2016 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
BALL ROLL MEASURED IN INCHES

NAME	GENETIC COLOR	PERCENT COVER SPRING	WINTER COLOR	BALL ROLL MEASUREMENTS		QUALITY RATINGS												MEAN
				SEPTEMBER	OCTOBER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
OKC-16-13-8	8.0	81.7	6.0	62.0	60.7	5.7	6.0	5.7	6.0	6.3	7.0	7.0	6.0	6.0	6.0	5.7	5.3	6.1
11-T-861	7.0	89.7	4.3	58.7	60.0	5.0	5.7	5.3	5.0	6.7	7.0	7.0	6.3	5.3	5.0	4.7	5.0	5.7
SUNDAY	6.0	71.7	6.3	78.7	81.3	4.7	4.7	4.7	4.3	5.7	6.0	6.0	5.3	5.0	4.7	4.3	4.7	5.0
08-T-18	7.0	70.0	6.3	58.0	60.7	4.0	4.7	3.3	4.0	5.7	6.0	6.0	5.7	4.7	4.0	4.3	3.7	4.7
MSB-285	7.0	63.3	6.3	57.3	61.3	4.7	4.7	4.3	3.7	4.3	5.0	5.3	5.0	4.7	4.3	5.3	4.7	4.7
OKC-13-78-5	7.7	53.3	6.7	70.7	71.3	3.7	4.0	3.0	4.0	5.7	5.3	5.7	4.7	5.0	4.7	5.7	5.0	4.7
JK 110521	6.3	46.7	6.7	86.0	84.0	4.0	4.0	3.3	2.7	3.3	4.7	5.0	5.0	4.3	4.3	5.0	4.3	4.2
MSB-264	7.3	53.3	6.7	70.7	72.0	4.7	4.3	3.0	3.3	4.3	4.7	4.7	5.0	4.3	3.3	5.0	3.7	4.2
FAES 1302	6.0	50.0	6.7	76.7	80.0	4.7	4.3	3.0	3.0	4.0	5.0	5.0	4.3	3.7	4.0	4.3	3.7	4.1
OKC-1-75-2	7.7	31.7	7.0	63.3	70.7	3.7	3.7	2.3	3.0	4.3	4.7	4.7	4.7	4.0	4.0	5.0	4.3	4.0
TIFWARF	7.3	28.3	5.7	68.7	76.0	3.3	3.3	2.7	2.7	3.7	4.3	5.0	5.0	4.3	4.3	5.0	4.3	4.0
MINI-VERDE	7.0	35.0	6.3	87.3	90.0	3.3	3.0	2.3	3.0	4.7	4.7	4.7	4.7	4.0	3.7	4.3	3.3	3.8
TIFEAGLE	6.3	35.0	5.7	66.0	72.0	3.3	3.0	2.7	2.7	3.3	4.0	4.3	4.7	4.7	4.0	3.7	3.7	3.7
CTF-B10	5.3	11.7	6.3	60.7	63.3	1.3	1.3	1.3	1.7	2.0	2.0	3.0	3.3	3.3	3.0	3.3	2.7	2.4
CTF-E3	.	0.0	1.0	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
LSD VALUE	0.9	32.4	1.2	20.0	20.1	1.1	1.6	1.4	1.1	1.0	0.8	0.8	1.2	1.0	1.1	1.6	1.3	0.6
C.V. (%)	8.1	39.8	12.7	14.9	14.2	17.6	24.6	26.8	20.1	14.5	11.6	10.3	15.4	15.2	16.8	21.0	19.8	9.2

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 2B.
MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT RANCHO MIRAGE, CA (TAMARISK C.C.) 1/
2016 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ BALL ROLL MEASURED IN INCHES																		
NAME	GENETIC COLOR	PERCENT COVER SPRING	WINTER COLOR	BALL ROLL MEASUREMENTS		QUALITY RATINGS												
				SEPTEMBER	OCTOBER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
L1F	7.0	98.7	7.0	64.7	68.0	6.7	7.0	7.0	7.7	7.7	7.0	6.7	7.0	6.0	6.3	5.3	5.3	6.6
ZOYSIU	6.3	99.0	7.0	64.0	69.3	6.0	6.0	6.3	7.3	7.0	6.7	6.7	6.7	6.7	6.7	7.0	6.0	6.6
DALZ 1306	7.0	92.7	6.3	70.7	74.7	6.3	6.7	7.0	6.7	6.7	7.0	6.3	6.3	5.7	6.0	4.7	5.3	6.2
DALZ 1308	7.0	97.3	6.7	64.7	66.7	6.0	6.0	7.0	7.7	6.3	6.3	6.3	6.7	6.0	5.0	3.7	5.0	6.0
DALZ 1305	7.0	96.0	7.0	63.3	66.7	5.7	6.7	6.7	6.7	6.0	5.7	5.3	5.3	5.7	5.3	5.7	5.0	5.8
DALZ 1307	7.0	96.3	7.0	62.0	64.7	4.7	4.3	4.3	7.3	6.7	7.0	7.0	6.7	6.7	5.3	4.3	4.7	5.8
10-TZ-74	6.7	82.3	7.0	64.7	71.3	4.7	4.7	5.0	5.3	6.0	5.7	6.0	5.3	5.3	6.0	6.3	5.3	5.5
DALZ 1309	7.0	89.7	7.0	73.3	72.7	4.7	5.7	5.7	6.3	5.3	6.0	6.0	6.0	6.0	5.0	4.7	4.3	5.5
DALZ 1304	7.0	96.0	6.3	58.7	64.7	4.3	5.0	5.0	6.0	6.3	5.7	5.7	5.7	5.7	5.3	4.0	4.3	5.3
DIAMOND	7.0	97.3	6.7	64.0	72.0	4.0	4.7	4.7	5.7	6.0	6.3	6.0	6.3	5.7	5.3	4.3	4.3	5.3
FAES 1301	6.7	86.7	6.3	56.0	55.3	4.7	5.3	4.7	5.0	5.0	5.3	5.3	5.3	4.7	4.0	4.0	4.3	4.8
LSD VALUE	0.6	22.8	1.6	16.3	22.7	1.3	1.4	1.8	1.5	1.0	2.7	2.4	1.8	2.0	1.3	1.7	1.6	1.0
C.V. (%)	4.1	9.5	8.7	10.7	13.0	13.6	13.6	16.6	12.6	9.4	16.7	15.0	13.1	14.2	12.4	18.9	14.8	9.0

TABLE 2C.
MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SEASHORE PASPALUM CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT RANCHO MIRAGE, CA (TAMARISK C.C.) 1/
2016 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/ BALL ROLL MEASURED IN INCHES																		
NAME	GENETIC COLOR	PERCENT COVER SPRING	WINTER COLOR	BALL ROLL MEASUREMENTS		QUALITY RATINGS												
				SEPTEMBER	OCTOBER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN
SEADWARF UGA 1743	7.0	90.0	6.7	54.7	56.0	6.0	6.0	5.7	6.3	6.7	6.7	6.0	5.7	4.7	4.3	4.7	4.3	5.6
	7.0	80.0	6.7	60.0	56.7	4.7	4.7	4.0	5.0	5.3	5.7	5.3	5.7	5.0	4.3	3.3	4.0	4.8
LSD VALUE	0.6	22.8	1.6	16.3	22.7	1.3	1.4	1.8	1.5	1.0	2.7	2.4	1.8	2.0	1.3	1.7	1.6	1.0
C.V. (%)	0.0	0.0	10.6	10.3	6.3	7.7	15.3	8.4	14.4	13.6	11.5	7.2	12.5	16.9	16.3	20.4	9.8	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).

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

TABLE 3A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BERMUDAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT JAY, FL 1/
2016 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
BALL ROLL SPEED MEASURED IN INCHES

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	FALL COLOR OCTOBER	BALL ROLL MEASUREMENTS		APR	MAY	QUALITY RATINGS					MEAN
							JULY	AUGUST			JUN	JUL	AUG	SEP	OCT	
MSB-264	7.0	6.0	5.0	7.3	6.7	6.7	70.0	71.3	6.0	7.3	7.0	6.3	5.3	5.0	5.7	6.1
MSB-285	7.0	6.0	5.0	7.0	6.3	6.7	65.3	65.3	6.3	7.3	7.3	6.3	5.0	5.0	5.3	6.1
08-T-18	6.7	4.3	4.0	7.7	6.0	6.0	70.3	67.7	5.0	6.3	7.3	7.3	5.3	5.3	5.7	6.0
11-T-861	7.0	5.3	4.7	6.3	6.7	6.3	67.0	68.7	5.0	7.0	5.7	6.0	6.7	6.3	5.7	6.0
OKC-13-78-5	7.7	3.3	3.3	7.0	6.0	6.3	65.0	67.3	5.0	5.3	7.3	6.7	6.7	5.7	5.3	6.0
SUNDAY	5.3	6.3	6.7	7.0	5.0	4.7	77.3	75.3	5.0	6.7	6.3	7.0	5.7	5.3	4.7	5.8
JK 110521	6.0	6.3	6.0	7.0	4.7	5.0	76.7	74.7	5.0	6.0	6.3	6.0	6.0	4.7	4.3	5.5
TIFEAGLE	6.0	6.3	7.0	6.7	4.7	6.0	79.3	78.7	6.3	5.7	6.3	5.7	5.3	4.3	4.3	5.4
FAES 1302	5.3	6.3	6.0	6.3	5.7	5.3	84.0	80.0	4.7	5.0	5.7	6.3	5.0	5.0	5.3	5.3
TIFWARF	6.7	4.3	5.0	6.0	5.7	7.0	76.0	72.7	5.0	5.7	7.0	5.0	5.0	5.0	4.7	5.3
MINI-VERDE	6.7	7.0	7.0	6.7	5.3	6.7	82.3	78.7	6.0	5.3	5.3	5.3	5.0	4.0	4.0	5.0
OKC-1-75-2	8.0	3.7	2.3	6.0	5.0	6.7	65.0	66.7	3.3	5.0	5.3	6.3	5.0	4.0	4.7	4.8
OKC-16-13-8	8.0	3.3	1.7	5.3	5.0	7.0	69.3	69.0	2.0	5.3	5.7	5.7	5.0	4.0	5.0	4.7
CTF-B10	5.3	6.7	5.7	6.3	5.0	4.7	82.7	76.7	4.7	4.3	4.3	4.3	5.0	3.7	4.0	4.3
CTF-E3	5.0	4.0	3.3	5.3	5.7	5.7	83.3	80.0	2.7	5.0	4.7	4.0	4.0	4.7	5.3	4.3
LSD VALUE	0.9	1.9	1.2	1.3	1.6	1.2	6.9	5.8	1.5	1.6	2.0	1.4	2.2	1.4	1.7	0.8
C.V. (%)	9.0	20.2	15.8	10.5	13.9	11.3	5.8	4.8	18.4	14.8	16.8	13.3	17.3	15.6	15.3	8.5

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 3B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT JAY, FL 1/
2016 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
BALL ROLL SPEED MEASURED IN INCHES

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	FALL COLOR OCTOBER	BALL ROLL MEASUREMENTS		APR	MAY	QUALITY RATINGS					
							JULY	AUGUST			JUN	JUL	AUG	SEP	OCT	MEAN
ZOYSIU	7.0	5.3	6.0	7.7	7.0	6.0	65.3	67.3	6.7	6.7	8.0	7.7	6.7	7.3	7.0	7.1
DIAMOND	7.3	7.0	6.0	7.7	7.3	6.3	68.7	68.7	5.3	6.0	8.3	7.0	7.7	7.0	6.7	6.9
FAES 1301	7.0	7.7	7.0	7.7	7.7	6.0	67.3	68.7	5.7	6.3	7.7	7.3	7.7	7.7	5.7	6.9
L1F	8.0	7.0	6.3	7.7	7.3	6.0	66.0	66.0	5.7	6.0	8.0	7.7	7.3	7.3	6.0	6.9
DALZ 1306	6.7	7.7	6.7	7.3	7.3	5.0	64.7	64.0	5.7	6.0	7.3	7.7	7.7	7.7	5.7	6.8
DALZ 1305	8.7	7.0	5.7	7.3	7.7	6.7	66.0	65.3	5.0	5.0	8.0	7.7	7.0	7.3	6.7	6.7
DALZ 1308	7.3	7.7	7.0	7.7	7.7	6.7	69.7	71.3	4.0	5.3	7.0	8.0	7.0	8.0	7.7	6.7
DALZ 1304	8.7	4.7	6.7	7.0	7.3	6.3	68.7	69.3	4.7	6.3	7.0	7.3	7.7	6.7	6.7	6.6
DALZ 1307	5.7	6.0	7.3	7.3	7.7	6.7	70.0	70.3	3.3	6.0	7.3	6.0	7.0	6.7	7.3	6.2
DALZ 1309	7.0	6.3	7.0	6.3	7.3	6.0	73.3	71.3	4.7	5.3	6.0	5.7	6.7	6.0	5.7	5.7
10-TZ-74	7.3	7.7	7.0	7.3	7.0	6.7	72.0	70.0	5.3	4.7	5.7	5.7	5.7	6.0	5.7	5.5
LSD VALUE	2.0	2.2	0.7	1.6	1.0	1.9	11.7	8.1	1.7	1.2	0.8	2.1	1.6	1.3	2.3	0.5
C.V. (%)	13.3	16.4	6.1	8.7	5.3	12.4	6.7	5.0	17.4	10.5	6.9	14.1	10.4	9.4	15.6	4.6

TABLE 3C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SEASHORE PASPALUM CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT JAY, FL 1/
2016 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
BALL ROLL SPEED MEASURED IN INCHES

NAME	GENETIC COLOR	SPRING GREENUP	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	DOLLAR SPOT	FALL COLOR	BALL ROLL MEASUREMENTS		APR	MAY	QUALITY RATINGS						
							OCTOBER	JULY	AUGUST			JUN	JUL	AUG	SEP	OCT	MEAN	
SEADWARF	5.0	5.0	5.0	5.7	7.0	3.7	6.3	72.7	64.7	5.3	5.3	6.3	5.0	6.3	6.3	6.3	5.9	
UGA 1743	6.3	4.0	4.7	6.7	6.3	7.0	6.7	70.0	65.3	4.0	5.3	7.7	6.7	5.7	6.0	6.0	5.9	
LSD VALUE	2.0	2.2	0.7	1.6	1.0	.	1.9	11.7	8.1	1.7	1.2	0.8	2.1	1.6	1.3	2.3	0.5	
C.V. (%)	7.2	0.0	8.4	11.5	6.1	15.3	6.3	1.1	6.6	17.5	13.3	11.7	7.0	6.8	13.2	6.6	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 4A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BERMUDAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT GRIFFIN, GA 1/
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	APR	MAY	JUN	QUALITY RATINGS				MEAN
NA								JUL	AUG	SEP	OCT	
OKC-13-78-5	6.3	4.7	7.0	7.0	4.0	5.0	7.3	7.7	7.3	7.7	7.3	6.6
OKC-1-75-2	6.3	3.7	7.3	7.0	3.7	4.7	7.3	7.0	7.3	7.7	7.0	6.4
11-T-861	6.3	6.3	7.0	7.0	3.3	5.0	7.0	7.0	7.0	7.0	7.0	6.2
MSB-285	6.0	4.0	7.0	7.0	3.3	5.3	7.0	7.0	7.0	7.0	7.0	6.2
08-T-18	6.0	3.7	7.0	7.0	3.3	5.0	7.0	7.0	7.0	7.0	6.7	6.1
CTF-B10	7.0	4.3	7.7	6.7	2.7	5.0	7.0	7.0	7.0	7.0	7.0	6.1
FAES 1302	6.3	6.0	7.0	7.0	3.3	4.3	7.0	7.0	7.0	7.0	7.0	6.1
TIFWARF	6.3	3.3	7.0	7.0	3.0	5.0	7.0	7.0	7.0	7.0	7.0	6.1
JK 110521	6.7	5.0	7.3	7.3	2.7	5.0	7.0	7.0	7.0	7.0	6.7	6.0
MSB-264	6.0	3.7	7.3	7.3	3.0	4.3	7.0	7.0	7.0	7.0	7.0	6.0
OKC-16-13-8	6.3	4.0	7.3	7.0	3.3	4.7	6.7	6.7	6.7	7.0	7.0	6.0
SUNDAY	5.7	4.3	7.0	7.0	2.7	4.7	7.0	6.7	7.0	7.3	7.0	6.0
MINI-VERDE	6.0	4.7	7.7	7.0	2.7	4.7	7.0	6.7	7.0	7.0	6.3	5.9
TIFEAGLE	6.0	4.7	7.7	7.7	3.0	5.0	6.7	6.7	6.7	6.7	6.7	5.9
CTF-E3	6.3	4.7	7.0	6.7	2.7	4.3	6.3	6.7	6.7	6.3	6.3	5.6
LSD VALUE	1.4	1.4	1.3	1.4	1.0	1.1	1.1	0.9	1.0	1.0	1.1	0.4
C.V. (%)	8.4	17.4	6.5	6.8	15.2	9.0	5.9	5.4	4.9	6.0	6.0	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).

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

TABLE 4B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT GRIFFIN, GA 1/
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
DALZ 1304	7.0	5.0	7.0	7.0	4.0	6.7	7.0	7.0	7	7.0	7.3	6.6
DALZ 1309	6.3	5.7	6.7	7.3	4.3	6.7	7.0	7.3	7	7.0	7.0	6.6
L1F	6.7	6.0	7.0	7.0	4.0	6.7	7.0	7.0	7	7.0	7.0	6.5
10-TZ-74	6.0	6.0	6.7	6.7	3.3	6.7	7.0	7.0	7	7.0	6.7	6.4
DALZ 1305	6.7	5.0	7.0	7.0	4.0	6.3	6.7	7.0	7	7.0	6.7	6.4
DALZ 1306	6.3	5.3	7.0	7.3	3.7	6.3	7.0	7.0	7	7.0	6.7	6.4
DALZ 1308	7.0	5.7	7.0	7.3	3.3	6.7	6.7	7.0	7	7.0	7.0	6.4
DIAMOND	6.3	6.7	7.0	7.0	4.0	6.3	6.7	7.0	7	7.0	7.0	6.4
DALZ 1307	6.3	5.0	7.0	7.0	3.3	6.3	7.0	7.0	7	7.0	6.7	6.3
ZOYSIU	6.7	5.7	7.0	7.0	4.0	6.7	7.0	7.0	7	6.7	6.0	6.3
FAES 1301	7.0	5.7	7.0	6.7	2.7	6.0	7.0	7.0	7	7.0	6.7	6.2
LSD VALUE	1.1	2.8	1.2	1.4	1.1	1.5	0.8	0.5	0	0.5	0.8	0.4
C.V. (%)	7.0	18.0	5.5	7.0	14.7	8.1	4.4	2.5	0	2.5	5.6	2.7

TABLE 4C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SEASHORE PASPALUM CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT GRIFFIN, GA 1/
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	FALL COLOR SEPTEMBER	FALL COLOR OCTOBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
SEADWARF	6.0	4.7	7.0	7.0	5.3	6.7	6.7	7.0	7	7.0	7.0	6.7
UGA 1743	6.3	4.3	7.0	7.0	5.0	6.3	7.0	7.0	7	7.0	7.0	6.6
LSD VALUE	1.1	2.8	1.2	1.4	1.1	1.5	0.8	0.5	0	0.5	0.8	0.4
C.V. (%)	6.6	9.1	0.0	0.0	7.9	12.6	6.0	0.0	0	0.0	0.0	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.

TABLE 5A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BERMUDAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT BLOOMINGTON, IN 1/
2016 DATA

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

NAME	SPRING	LEAF	SCALPING	SEEDHEAD RATINGS		APR	MAY	JUN	QUALITY RATINGS			SEP	MEAN
	GREENUP	TEXTURE	RATINGS	SPRIL	MAY				JUL	AUG			
TIFEAGLE	3.7	6.0	6.7	9	9	3.0	6.7	6.0	6.0	6.7	6.3	5.8	
CTF-B10	2.3	6.0	7.7	9	9	2.0	5.7	6.0	7.0	6.7	7.0	5.7	
MINI-VERDE	2.3	6.0	6.7	9	9	2.0	6.0	5.7	6.3	6.7	7.7	5.7	
JK 110521	2.3	6.0	7.3	9	9	2.3	6.0	6.0	6.0	6.0	6.3	5.4	
08-T-18	3.3	6.0	7.7	9	9	2.3	6.3	6.0	5.3	5.3	5.0	5.1	
SUNDAY	4.0	6.0	6.3	9	9	3.3	5.7	5.0	5.0	5.7	5.7	5.1	
FAES 1302	2.0	6.0	7.0	9	9	2.0	5.7	5.0	5.7	5.7	5.3	4.9	
TIFWARF	3.3	5.0	6.0	9	9	2.3	5.7	4.7	5.0	5.3	6.0	4.8	
MSB-264	4.0	6.0	5.7	9	9	3.3	6.3	5.0	3.7	4.7	4.0	4.5	
MSB-285	3.3	6.0	5.0	9	9	3.0	6.0	4.3	4.0	4.0	4.0	4.2	
OKC-16-13-8	4.7	5.3	3.3	9	9	3.0	6.0	3.7	2.7	4.7	3.0	3.8	
11-T-861	3.3	5.3	3.7	9	9	2.0	4.0	3.0	3.3	4.0	4.0	3.4	
OKC-13-78-5	4.7	5.7	2.0	9	9	3.0	5.0	2.0	2.7	4.0	3.0	3.3	
OKC-1-75-2	4.3	5.0	2.0	9	9	2.7	5.3	1.7	2.0	4.0	2.7	3.1	
CTF-E3	.	.	.	.	.	.	.	.	.	.	.	.
LSD VALUE	1.3	0.5	1.3	0	0	0.6	1.3	0.8	0.7	1.0	0.9	0.5	
C.V. (%)	21.6	4.8	14.9	0	0	14.7	11.8	11.5	10.4	12.1	11.8	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.

TABLE 5B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT BLOOMINGTON, IN 1/
2016 DATA

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

NAME	SPRING GREENUP	LEAF TEXTURE	SCALPTING RATINGS	SEEDHEAD RATINGS		QUALITY RATINGS						MEAN
				APRIL	MAY	APR	MAY	JUN	JUL	AUG	SEP	
DALZ 1309	9.0	8.0	8.7	2.0	3.3	6.7	7.3	8.7	8.7	8.7	9.0	8.2
DALZ 1308	9.0	7.7	8.7	1.3	4.3	6.3	7.3	8.7	8.0	8.3	8.3	7.8
DALZ 1306	9.0	8.0	8.7	2.3	9.0	6.0	7.7	7.3	8.3	7.7	8.0	7.5
DIAMOND	8.3	6.7	8.0	6.0	5.3	5.7	7.7	7.3	6.7	7.0	7.3	6.9
DALZ 1304	9.0	6.0	8.0	7.0	3.0	5.7	6.7	7.7	6.7	6.7	7.0	6.7
DALZ 1307	9.0	7.7	7.0	3.3	3.3	5.3	6.7	5.7	6.3	6.7	7.0	6.3
ZOYSIU	8.7	5.3	6.0	1.7	8.0	4.0	6.3	5.7	5.3	5.7	5.7	5.4
DALZ 1305	9.0	5.3	7.3	2.3	6.3	3.7	5.7	5.0	5.3	6.0	6.0	5.3
10-TZ-74	7.7	8.3	8.3	1.0	9.0	3.3	5.3	5.3	5.7	5.0	5.7	5.1
L1F	7.7	6.0	7.7	1.0	9.0	2.3	4.7	4.3	5.0	5.7	5.7	4.6
FAES 1301	6.3	8.0	.	1.0	9.0	1.3	3.3	2.7	2.7	3.0	3.3	2.7
LSD VALUE	1.4	0.6	1.3	1.6	1.2	1.0	1.0	1.4	1.2	0.9	1.1	0.8
C.V. (%)	8.8	5.8	9.3	36.9	12.3	13.9	10.2	13.9	12.3	8.9	10.3	8.1

TABLE 5C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SEASHORE PASPALUM CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT BLOOMINGTON, IN 1/
2016 DATA

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

NAME	SPRING	LEAF	APR	MAY	QUALITY RATINGS				MEAN
	GREENUP	TEXTURE			JUN	JUL	AUG	SEP	
SEADWARF	1.0	.	1	1	1.0	1.0	1.0	1.0	1.0
UGA 1743	1.0	.	1	1	1.0	1.0	1.0	1.0	1.0
LSD VALUE	1.4	0.6	1	1	1.4	1.2	0.9	1.1	0.8
C.V. (%)	.	.	0	0	0.0	0.0	0.0	0.0	0.0

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 6A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BERMUDAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT LEXINGTON, KY 1/
2016 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
STIMP METER BALL ROLL SPEED MEASURED IN INCHES

NAME	SPRING	BALL ROLL SPEED MEASUREMENTS				QUALITY RATINGS			
	GREENUP	JUNE	JULY	AUGUST	JUN	JUL	AUG	SEP	MEAN
08-T-18	3.7	62.7	63.3	75.3	7.7	7.0	6.7	6.7	7.0
MSB-264	3.7	65.7	68.7	65.3	6.7	7.3	6.7	6.3	6.8
OKC-13-78-5	5.0	67.3	68.0	74.0	7.3	7.0	7.0	6.0	6.8
MSB-285	4.3	67.0	72.0	69.7	6.7	7.0	6.7	6.0	6.6
OKC-16-13-8	4.3	65.3	72.0	74.3	7.0	6.7	6.7	5.7	6.5
CTF-E3	2.3	58.5	63.0	79.0	7.0	6.5	6.7	6.0	6.4
11-T-861	4.0	70.0	69.3	78.7	6.3	6.7	6.3	4.3	5.9
FAES 1302	3.0	74.0	72.7	79.7	5.0	6.0	6.3	5.3	5.7
MINI-VERDE	3.3	87.0	78.7	88.7	4.7	6.0	6.0	5.0	5.4
CTF-B10	2.7	75.0	76.0	86.0	5.3	5.3	6.0	4.3	5.3
JK 110521	3.7	82.0	76.0	83.5	4.5	5.7	6.5	4.7	5.3
TIFWARF	3.7	71.0	78.0	90.0	5.0	5.3	5.7	5.0	5.3
SUNDAY	3.7	77.3	84.0	90.0	4.0	5.5	6.0	5.3	5.2
OKC-1-75-2	3.3	61.0	63.3	64.0	4.7	5.0	5.3	5.0	5.0
TIFEAGLE	3.7	99.0	84.7	93.3	4.3	5.3	6.0	4.3	5.0
LSD VALUE	2.3	12.6	24.5	24.8	1.3	1.7	1.0	1.3	0.7
C.V. (%)	26.2	9.5	13.0	13.8	13.0	13.3	7.6	13.1	7.6

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 6B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT LEXINGTON, KY 1/
2016 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
STIMP METER BALL ROLL SPEED MEASURED IN INCHES

NAME	SPRING GREENUP	BALL ROLL JUNE	SPEED JULY	MEASUREMENTS AUGUST	JUN	JUL	AUG	SEP	MEAN
DALZ 1305	5.7	68.0	84.7	69.7	7.0	7.0	7.7	7.7	7.3
ZOYSIU	7.3	52.0	68.7	67.3	7.0	7.0	8.0	6.7	7.2
DALZ 1308	4.7	75.7	79.3	77.0	7.0	6.3	8.0	7.0	7.1
DALZ 1309	4.3	68.7	78.7	70.0	6.7	6.7	7.3	7.3	7.0
DALZ 1304	4.0	69.3	78.7	73.7	6.0	6.0	7.3	7.0	6.6
DALZ 1307	3.7	82.0	89.3	83.3	6.3	6.0	6.7	6.0	6.3
DIAMOND	5.0	63.5	73.0	68.0	7.0	6.0	5.7	6.0	5.9
10-TZ-74	4.3	65.5	80.0	83.3	5.0	5.0	6.0	5.7	5.6
DALZ 1306	5.3	56.7	69.0	79.0	6.0	5.7	5.0	6.0	5.6
FAES 1301	3.7	64.5	72.7	72.3	5.3	5.0	6.0	5.7	5.5
L1F	2.0	72.3	79.3	64.3	5.3	5.0	5.7	6.0	5.5
LSD VALUE	1.4	7.3	9.9	23.8	1.2	0.5	1.8	1.4	1.0
C.V. (%)	18.3	6.2	6.2	12.8	9.6	4.9	14.6	10.7	8.9

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 7A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BERMUDAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT MISS. ST., MS 1/
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	APR	MAY	JUN	JUL	QUALITY RATINGS				OCT	NOV	MEAN
MSB-264	6.7	6.0	7.0	5.0	6.0	6.0	6.3	7.0	5.7	6.7	6.0	6.7	6.0	6.1
MSB-285	6.7	6.0	7.0	5.0	6.0	6.0	6.3	6.7	6.0	6.7	6.0	6.7	6.0	6.1
CTF-B10	6.0	5.7	7.0	4.7	6.0	6.0	6.0	7.0	6.0	6.0	5.0	6.0	5.0	5.8
MINI-VERDE	5.7	5.0	7.0	4.3	5.7	6.0	5.7	7.0	6.0	5.7	4.7	5.7	4.7	5.6
SUNDAY	6.0	6.0	6.7	5.0	6.0	5.7	6.7	6.0	5.3	5.3	5.0	5.3	5.0	5.6
TIFEAGLE	6.0	5.0	6.7	4.7	5.7	6.0	6.3	7.0	5.0	5.7	4.3	5.7	4.3	5.6
JK 110521	5.3	5.0	6.3	4.7	5.3	5.7	6.0	6.0	4.7	5.3	4.3	5.3	4.3	5.3
FAES 1302	5.0	4.0	6.7	4.3	5.0	4.7	5.7	5.7	5.0	5.3	4.0	5.3	4.0	5.0
11-T-861	6.0	5.0	6.0	4.0	5.0	5.3	5.3	5.3	5.0	5.0	3.7	5.0	3.7	4.8
OKC-16-13-8	7.3	6.3	6.3	5.7	6.3	6.0	5.0	4.0	3.7	4.0	3.7	4.0	3.7	4.8
OKC-13-78-5	6.7	5.7	5.7	5.0	6.0	6.0	4.7	4.0	3.7	4.0	4.0	4.0	4.0	4.7
OKC-1-75-2	5.0	4.3	6.3	4.7	5.3	5.0	5.0	3.7	4.0	4.3	3.7	4.3	3.7	4.5
08-T-18	5.3	4.3	6.3	5.0	5.3	5.0	5.0	4.3	3.3	4.0	3.3	4.0	3.3	4.4
TIFWARF	5.7	4.3	6.0	4.0	4.7	4.7	5.0	5.0	3.7	4.3	3.0	4.3	3.0	4.3
CTF-E3	5.0	3.0	5.0	2.0	2.3	2.7	3.0	3.7	4.0	2.0	3.0	2.0	3.0	2.6
LSD VALUE	1.1	0.9	0.7	0.6	0.7	1.0	1.6	1.3	0.9	1.2	0.8	1.2	0.8	0.7
C.V. (%)	9.6	11.3	6.1	8.6	8.0	10.9	16.1	15.0	11.2	13.1	10.7	13.1	10.7	8.9

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.

7A. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BERMUDAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT MISS. ST., MS 1/
2016 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
BALL ROLL MEASURED IN INCHES

NAME	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	LEAF SPOT	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	BALL ROLL MEASUREMENTS	
							JUNE	SEPTEMBER
MSB-264	6.0	6.3	6.0	3.3	6.0	5.0	80.7	87.7
MSB-285	6.0	6.7	6.0	3.3	6.0	5.0	87.3	96.7
CTF-B10	5.0	6.3	5.0	7.7	4.0	2.0	112.0	103.3
MINI-VERDE	5.0	6.3	5.3	7.7	4.0	2.3	119.0	103.7
SUNDAY	6.0	6.3	5.0	4.3	5.0	4.0	89.7	112.0
TIFEAGLE	5.7	6.7	4.7	7.0	3.7	2.3	102.3	117.3
JK 110521	5.0	5.7	4.7	2.7	4.0	3.0	99.3	126.0
FAES 1302	4.0	5.7	4.3	5.3	3.3	2.3	105.3	113.0
11-T-861	5.0	4.7	4.0	5.0	3.3	2.3	88.0	105.3
OKC-16-13-8	6.0	4.3	4.0	1.3	3.0	2.0	80.3	93.0
OKC-13-78-5	5.3	4.3	4.0	1.0	3.7	3.0	79.7	108.7
OKC-1-75-2	5.0	5.0	4.0	1.0	4.0	2.7	80.7	100.3
08-T-18	5.0	4.7	3.7	1.0	3.3	2.7	85.7	108.3
TIFWARF	4.3	4.3	3.7	4.7	3.0	2.7	107.7	134.3
CTF-E3	2.7	3.7	4.0	3.0	3.0	3.0	93.0	102.0
LSD VALUE	0.8	1.5	1.0	1.8	1.0	0.7	9.8	12.8
C.V. (%)	9.6	15.9	12.6	27.1	14.0	14.0	6.7	7.2

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 7B. MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT MISS. ST., MS 1/
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	QUALITY RATINGS								MEAN
				APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
DALZ 1306	6.3	6.0	7.0	6.7	7.0	6.7	7.0	6.3	5.0	5.7	5.3	6.2
DALZ 1308	6.7	6.3	7.0	6.0	5.7	7.0	7.0	6.7	5.3	6.0	6.0	6.2
DALZ 1307	7.0	6.3	7.0	4.0	5.7	6.3	6.7	7.0	5.7	6.0	6.7	6.0
DALZ 1305	6.3	5.7	6.0	6.0	5.3	5.3	6.3	6.0	6.0	6.3	5.7	5.9
DIAMOND	6.7	6.0	6.3	5.0	5.7	6.0	6.0	6.0	5.3	6.3	6.0	5.8
DALZ 1309	6.3	7.3	7.0	5.3	6.0	6.3	7.0	6.3	4.0	4.7	5.3	5.6
DALZ 1304	6.3	6.0	6.0	4.0	5.3	5.7	5.3	6.0	6.0	6.0	6.0	5.5
L1F	6.0	6.7	6.0	6.0	5.3	5.3	6.0	6.0	4.0	5.0	5.3	5.4
FAES 1301	6.7	6.7	8.0	7.0	6.0	6.0	6.0	5.7	3.0	3.3	5.0	5.3
ZOYSIU	5.7	5.7	5.0	5.0	5.7	5.3	5.3	5.0	4.3	4.7	4.7	5.0
10-TZ-74	6.0	6.5	8.0	4.5	5.0	4.5	5.0	.	.	.	.	4.8
LSD VALUE	1.3	1.7	0.3	0.7	0.8	0.9	0.7	0.9	2.0	1.5	0.9	0.5
C.V. (%)	7.9	11.3	2.8	7.9	7.4	8.8	5.9	7.8	20.4	14.9	9.0	5.1

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.

7B. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT MISS. ST., MS 1/
2016 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
BALL ROLL MEASURED IN INCHES

NAME	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	BALL ROLL MEASUREMENTS	
						JUNE	SEPTEMBER
DALZ 1306	8.0	7.3	7.0	6.0	6.3	72.3	67.0
DALZ 1308	6.7	7.7	7.3	7.0	7.0	76.0	68.0
DALZ 1307	6.7	7.0	7.3	7.0	7.0	85.3	74.7
DALZ 1305	5.3	6.7	6.0	7.0	7.0	72.3	61.3
DIAMOND	6.3	6.7	7.0	7.0	6.3	75.0	63.3
DALZ 1309	7.3	7.3	6.3	6.7	6.3	70.0	69.3
DALZ 1304	5.0	6.3	6.0	7.0	7.0	81.3	66.0
L1F	5.3	6.3	6.7	6.0	6.0	70.3	72.3
FAES 1301	7.7	8.0	6.3	5.3	6.0	63.3	72.7
ZOYSIU	5.3	6.0	5.3	6.0	6.0	70.0	66.3
10-TZ-74	5.5	7.0	.	.	.	77.0	66.0
LSD VALUE	1.4	0.8	1.0	0.4	0.5	17.8	24.8
C.V. (%)	12.4	5.9	8.6	3.9	4.9	10.5	12.1

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 7C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SEASHORE PASPALUM CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT MISS. ST., MS 1/
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	MEAN
SEADWARF	7.0	5.3	5.0	5.0	6.0	6.0	6.0	5.7	6.0	6.0	6.0	5.8
UGA 1743	7.0	4.0	5.3	4.0	5.7	6.0	6.0	6.0	6.3	6.0	5.3	5.7
LSD VALUE	1.3	1.7	0.3	0.7	0.8	0.9	0.7	0.9	2.0	1.5	0.9	0.5
C.V. (%)	0.0	8.7	7.9	0.0	7.0	0.0	0.0	7.0	6.6	0.0	7.2	0.9

7C. (CONT'D)

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SEASHORE PASPALUM CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT MISS. ST., MS 1/
2016 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
BALL ROLL MEASURED IN INCHES

NAME	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	FALL COLOR NOVEMBER	FALL COLOR DECEMBER	BALL ROLL MEASUREMENTS JUNE	SEPTEMBER
SEADWARF	4.0	6.0	6	7.0	5.7	66.7	72.3
UGA 1743	3.3	6.0	6	6.0	5.0	74.7	73.3
LSD VALUE	1.4	0.8	1	0.4	0.5	17.8	24.8
C.V. (%)	11.1	0.0	0	0.0	7.7	9.5	4.2

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 8A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BERMUDAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT COLLEGE STATION, TX 1/
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	WINTER COLOR	APR	MAY	JUN	QUALITY RATINGS				MEAN
								JUL	AUG	SEP	OCT	
MSB-285	8.0	7.0	7.3	7.0	7.0	8.0	6.0	5.3	6.3	7.3	7.3	6.8
MSB-264	8.0	7.0	8.3	7.7	6.3	7.7	6.0	6.0	6.7	6.7	7.3	6.7
OKC-13-78-5	6.0	7.7	8.3	4.0	7.0	6.3	7.3	5.3	5.7	6.7	6.7	6.4
08-T-18	7.7	5.3	8.3	4.3	7.0	6.0	6.7	5.0	6.0	6.7	6.7	6.3
11-T-861	4.0	4.7	6.7	4.7	5.3	6.0	5.7	7.0	6.7	6.3	5.7	6.1
MINI-VERDE	8.0	3.0	7.3	5.0	4.3	4.7	7.3	7.7	8.0	5.0	5.7	6.1
OKC-16-13-8	7.0	7.0	8.0	3.3	8.0	5.7	6.3	4.7	5.3	5.7	5.0	5.8
SUNDAY	6.7	3.3	6.3	5.0	4.0	4.3	7.0	6.7	7.3	5.3	6.0	5.8
FAES 1302	8.0	3.0	5.7	5.3	3.3	4.0	6.0	7.7	7.0	5.3	6.0	5.6
JK 110521	7.3	2.7	6.3	5.7	3.3	4.3	6.3	7.0	6.0	5.0	6.0	5.4
TIFEAGLE	7.3	3.0	6.3	5.0	3.7	3.7	5.7	6.3	7.0	5.0	6.3	5.4
CTF-E3	7.7	3.7	6.7	5.3	4.3	3.3	6.3	6.3	6.3	4.7	5.7	5.3
TIFWARF	6.0	3.3	6.0	5.7	4.3	4.3	5.7	6.3	6.7	4.0	5.0	5.2
OKC-1-75-2	7.0	5.3	7.7	5.0	5.3	4.7	4.7	5.0	5.3	5.7	5.0	5.1
CTF-B10	7.0	2.3	5.7	4.3	2.3	2.3	5.0	6.0	6.7	5.3	5.7	4.8
LSD VALUE	0.9	1.5	1.2	1.1	1.5	1.1	2.0	1.9	2.3	0.9	1.0	0.8
C.V. (%)	7.9	21.5	10.2	12.9	19.0	14.6	15.1	16.1	15.2	10.2	9.9	7.9

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 8B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT COLLEGE STATION, TX 1/
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	WINTER COLOR	QUALITY RATINGS							MEAN
					APR	MAY	JUN	JUL	AUG	SEP	OCT	
DALZ 1304	6.3	5.7	5.0	3.7	5.3	5.3	6.3	5.7	6.7	5.3	5.7	5.8
DALZ 1308	8.0	4.7	7.0	5.7	4.7	5.7	5.3	5.7	6.7	6.0	6.3	5.8
DALZ 1305	5.7	4.7	4.3	4.3	5.3	5.7	5.7	6.3	6.0	5.7	5.3	5.7
DALZ 1307	7.0	4.7	6.3	4.7	5.0	5.7	5.0	5.0	6.0	6.3	5.7	5.5
ZOYSIU	6.0	7.0	4.3	3.0	6.0	5.7	5.3	5.7	6.0	4.7	5.3	5.5
DIAMOND	6.7	5.7	6.3	4.0	5.7	5.0	5.7	5.3	6.3	4.7	5.3	5.4
DALZ 1306	7.3	5.7	7.0	4.3	4.0	4.7	5.3	5.3	6.3	5.3	5.3	5.2
DALZ 1309	6.7	5.3	6.7	4.7	4.0	4.7	4.7	5.7	7.0	5.3	5.3	5.2
10-TZ-74	6.7	6.3	5.0	4.7	5.0	3.7	4.7	4.3	5.3	5.7	5.3	4.9
FAES 1301	7.3	6.3	6.0	5.0	4.0	3.3	3.7	4.3	5.7	4.7	6.0	4.5
L1F	7.0	4.0	4.3	4.7	2.3	2.3	4.0	4.7	6.7	5.3	5.7	4.4
LSD VALUE	1.6	3.3	1.8	1.4	3.1	2.2	3.2	2.6	2.3	1.0	1.9	1.7
C.V. (%)	11.4	24.7	17.3	16.3	29.0	23.8	24.6	19.4	13.9	9.7	12.0	13.5

TABLE 8C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SEASHORE PASPALUM CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT COLLEGE STATION, TX 1/
2016 DATA

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

NAME	GENETIC COLOR	SPRING GREENUP	LEAF TEXTURE	WINTER COLOR	QUALITY RATINGS							MEAN
					APR	MAY	JUN	JUL	AUG	SEP	OCT	
SEADWARF	5.0	7.0	5.0	4.0	6.0	4.7	5.3	5.7	6.3	5	5.0	5.4
UGA 1743	5.0	5.7	5.0	5.0	4.7	4.3	5.7	5.3	6.3	5	5.0	5.2
LSD VALUE	1.6	3.3	1.8	1.4	3.1	2.2	3.2	2.6	2.3	1	1.9	1.7
C.V. (%)	0.0	6.4	0.0	0.0	7.7	9.1	7.4	14.8	11.2	0	0.0	2.9

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 9A.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF BERMUDAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT RICHMOND, VA 1/
2016 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
STIMP DATA MEASURED IN INCHES

NAME	FALL COLOR OCTOBER	BALL ROLL MEASUREMENTS				QUALITY RATINGS						
		JULY	AUGUST	SEPTEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	MEAN
JK 110521	5.3	89.7	94.7	85.7	2.3	5.0	5.3	5.3	5.3	6.3	5.0	5.0
CTF-B10	4.7	95.7	99.3	98.7	2.0	5.7	5.3	5.3	5.7	4.0	3.7	4.5
MSB-285	3.7	68.3	84.7	84.3	2.7	5.3	5.7	6.3	5.0	3.0	2.7	4.4
OKC-16-13-8	2.3	72.3	79.7	79.3	2.7	5.0	5.3	6.0	4.3	4.7	2.7	4.4
MSB-264	4.7	70.0	85.3	75.0	2.7	4.7	5.7	6.3	4.7	3.0	3.3	4.3
08-T-18	3.7	68.7	83.0	77.3	1.7	3.7	6.3	6.7	5.0	3.3	3.0	4.2
FAES 1302	5.0	92.7	91.0	91.0	2.3	4.3	4.0	4.3	4.0	5.0	3.7	4.0
OKC-1-75-2	2.3	67.7	84.7	77.7	2.3	4.7	4.3	5.7	5.0	4.3	2.0	4.0
OKC-13-78-5	3.0	70.0	79.7	77.7	2.0	3.7	4.0	6.0	4.3	4.0	3.0	3.9
TIFEAGLE	4.0	87.7	94.3	89.7	2.0	3.7	3.7	4.3	5.3	4.3	3.7	3.9
SUNDAY	4.3	76.3	89.3	84.3	2.0	3.7	3.3	4.0	5.3	4.3	4.0	3.8
11-T-861	2.0	68.3	80.3	82.7	1.7	2.7	3.0	4.3	4.3	5.0	2.7	3.4
MINI-VERDE	4.3	92.3	94.3	97.3	1.7	3.0	3.3	4.0	4.3	4.0	3.3	3.4
TIFWARF	2.7	85.3	90.3	95.0	2.0	3.3	2.7	3.7	4.3	3.3	2.3	3.1
CTF-E3	3.0	84.3	87.0	77.0	1.0	3.3	2.3	2.3	2.3	2.3	2.0	2.2
LSD VALUE	1.1	8.4	7.3	9.5	0.8	2.3	1.0	0.9	1.3	0.9	0.8	0.5
C.V. (%)	19.1	6.7	5.0	6.7	20.6	26.4	15.1	11.1	15.3	13.3	16.6	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 9B.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT RICHMOND, VA 1/
2016 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
STIMP DATA MEASURED IN INCHES

NAME	FALL COLOR OCTOBER	BALL ROLL MEASUREMENTS			QUALITY RATINGS							MEAN
		JULY	AUGUST	SEPTEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	
DALZ 1308	9.0	73.0	88.3	81.0	5.0	3.7	7.0	6.7	8.0	8.7	8.0	6.7
FAES 1301	8.7	66.0	85.0	78.0	4.0	6.3	6.7	6.7	7.7	8.0	7.7	6.7
DALZ 1306	8.0	73.7	84.7	81.3	4.0	6.3	7.0	6.7	7.7	7.3	7.3	6.6
DALZ 1307	8.3	82.0	92.7	84.7	4.0	3.3	7.7	7.0	8.7	7.7	7.0	6.5
DALZ 1304	6.7	66.7	79.7	76.3	4.3	5.3	6.3	6.0	5.7	6.7	5.7	5.7
DIAMOND	6.0	73.3	91.0	84.7	3.0	4.7	5.7	6.3	7.3	7.0	5.3	5.6
DALZ 1309	9.0	83.7	86.7	88.7	3.7	4.7	6.0	6.0	6.7	6.7	5.0	5.5
L1F	6.0	73.0	82.7	76.0	4.3	5.7	6.3	6.7	5.3	5.3	5.0	5.5
ZOYSIU	5.7	58.7	80.3	75.3	4.3	5.0	6.0	5.3	4.7	6.0	4.7	5.1
DALZ 1305	6.7	82.3	84.7	77.7	4.0	4.0	5.7	5.0	5.0	5.7	5.3	5.0
10-TZ-74	9.0	106.0	104.0	95.3	3.3	5.3	4.7	2.0	2.0	3.3	3.7	3.5
LSD VALUE	0.9	9.4	11.5	7.8	1.5	1.4	0.9	0.9	1.0	1.0	0.7	0.5
C.V. (%)	7.3	7.7	7.1	5.5	16.9	16.2	8.4	9.6	10.2	9.4	8.0	5.3

TABLE 9C.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF SEASHORE PASPALUM CULTIVARS
IN THE 2013 NATIONAL WARM-SEASON PUTTING GREENS TEST AT RICHMOND, VA 1/
2016 DATA

TURFGRASS QUALITY AND OTHER RATINGS 1-9; 9=BEST 2/
STIMP DATA MEASURED IN INCHES

NAME	FALL COLOR OCTOBER	BALL ROLL MEASUREMENTS			QUALITY RATINGS							MEAN
		JULY	AUGUST	SEPTEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT	
SEADWARF	7.0	68.0	73.7	68.3	2.7	2.0	3.0	3.0	3	4	4.0	3.1
UGA 1743	7.0	58.0	75.0	68.7	2.0	2.0	3.0	3.0	3	4	4.0	3.0
LSD VALUE	0.9	9.4	11.5	7.8	1.5	1.4	0.9	0.9	1	1	0.7	0.5
C.V. (%)	0.0	.	16.0	1.6	17.5	0.0	0.0	0.0	0	0	0.0	1.9

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.