

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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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 ZOYSIAGRASS TEST

LOCATIONS SUBMITTING DATA FOR 2016

<u>State</u>	<u>Location</u>	<u>Code</u>
Alabama	Auburn	AL1
Arizona	Tucson	AZ1
Arkansas	Fayetteville	AR1
California	Riverside (Shade)	CA3
Florida	Jay	FL3
Florida	Citra	FL4
Georgia	Griffin	GA1
Indiana	West Lafayette	IN1
Kansas	Manhattan	KS1
Missouri	Columbia (Disease)	MO1
North Carolina	Raleigh	NC1
North Carolina	Raleigh (Traffic)	NC2
Tennessee	Knoxville	TN1
Texas	Dallas	TX1
Texas	College Station (Drought)	TX2

**2013 NATIONAL ZOYSIAGRASS TEST
Entries and Sponsors**

Entry No	Name	Type	Sponsor
*1	Meyer	Vegetative	Standard Entry
*2	Zeon	Vegetative	Standard Entry
*3	Empire	Vegetative	Standard Entry
4	10-TZ-35	Vegetative	Georgia Seed Development Commission
5	10-TZ-1254	Vegetative	Georgia Seed Development Commission
6	09-TZ-53-20	Vegetative	Georgia Seed Development Commission
7	09-TZ-54-9	Vegetative	Georgia Seed Development Commission
8	GGZ 504	Vegetative	UGA Research Foundation
9	11-TZ-4321	Vegetative	Bladerunner Farms
10	DALZ 1303	Vegetative	Bladerunner Farms
11	CSZ 1105	Vegetative	Texas A&M Agrilife Research
12	CSZ 1109	Vegetative	Texas A&M Agrilife Research
13	FAES 1303	Vegetative	University of Florida
14	FAES 1304	Vegetative	University of Florida
15	FAES 1305	Vegetative	University of Florida
16	FAES 1306	Vegetative	University of Florida
17	FAES 1307	Vegetative	University of Florida
18	FAES 1308	Vegetative	University of Florida
19	FAES 1309	Vegetative	University of Florida
20	FAES 1310	Vegetative	University of Florida
21	FAES 1312	Vegetative	University of Florida
22	FAES 1313	Vegetative	University of Florida
23	FAES 1314	Vegetative	University of Florida
24	FAES 1315	Vegetative	University of Florida
25	FAES 1316	Vegetative	University of Florida
26	FAES 1317	Vegetative	University of Florida
27	FAES 1318	Vegetative	University of Florida
28	FAES 1319	Vegetative	University of Florida
29	FAES 1322	Vegetative	University of Florida
30	FAES 1328	Vegetative	University of Florida
31	FAES 1329	Vegetative	University of Florida
32	DALZ 1301	Vegetative	Texas A&M Agrilife Research Dallas
33	DALZ 1302	Vegetative	Texas A&M Agrilife Research Dallas
34	KSUZ 1201	Vegetative	Texas A&M Agrilife/Kansas State University
*35	A-1	Vegetative	Gene Gro PTY LTD
* COMMERCIALY AVAILABLE IN THE USA IN 2017			

1/ Due to the unusually harsh winter of 2013, please note that some entries were replanted in spring/summer 2016 at selected locations (see next page).

PLEASE NOTE:

Due to the unusually harsh winter of 2013/2016, some location experienced severe winter injury. This injury, which did not allow all entries sufficient opportunity to fully establish, led NTEP to make the decision to replant some or all entries at selected locations. This unprecedented decision was made after careful consideration and consultation. The following locations requested plant material for replanting, which was accomplished in late spring or summer 2016. Therefore, please consider 2016 data from these locations with these considerations.

Carbondale, IL

THE FOLLOWING ENTRIES WERE REPLANTED IN SPRING 2016:

10-TZ-1254, 9-TZ-53-20, 9-TZ-54-9, GGZ 504, DALZ 1303, CSZ 1105, CSZ 1109, FAES 1303, FAES 1304, FAES 1305, FAES 1306, FAES 1307, FAES 1308, FAES 1309, FAES 1314, FAES 1315, FAES 1316, FAES 1317, FAES 1319, FAES 1322, FAES 1328, DALZ 1302, KSUZ 1201, A1

Knoxville, TN

THE FOLLOWING ENTRIES WERE REPLANTED IN SPRING 2016:

CSZ 1109, FAES 1308, FAES 1309

Griffin, GA

ALL ENTRIES WERE REPLANTED IN SPRING 2016.

W. Lafayette, IN

ALL ENTRIES WERE REPLANTED IN SPRING 2016.

Columbia, MO

ALL ENTRIES EXCEPT THE FOLLOWING TWO WERE REPLANTED IN SPRING 2016:

MEYER, KSUZ 1201

TABLE A.

2016 LOCATIONS, SITE DESCRIPTIONS AND MANAGEMENT PRACTICES IN
THE 2013 NATIONAL ZOYSIAGRASS 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	-	-	-	-	-	-	-	-
AR1	SILT LOAM AND SILT	6.1-6.5	61-150	151-240	1.1-2.0	FULL SUN	0.0-0.5	TO PREVENT STRESS
AZ1	-	-	-	-	-	-	-	-
CA3	SANDY LOAM	7.1-7.5	0-60	151-240	2.1-3.0	UNIFORM SHADE	0.6-1.0	TO PREVENT STRESS
FL3	-	-	-	-	-	-	-	-
FL4	-	-	-	-	-	-	-	-
GA1	SANDY CLAY LOAM	5.6-6.0	0-60	151-240	1.1-2.0	FULL SUN	1.1-1.5	TO PREVENT STRESS
IL2	-	-	-	-	-	-	-	-
IN1	SILT LOAM AND SILT	6.6-7.0	-	-	-	FULL SUN	0.0-0.5	TO PREVENT DORMANCY
KS1	-	-	-	-	-	-	-	-
MO1	-	-	-	-	-	-	-	-
NC1	SILTY CLAY LOAM	6.1-6.5	61-150	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
NC2	SILTY CLAY LOAM	6.1-6.5	61-150	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
TN1	SILT LOAM AND SILT	6.1-6.5	0-60	0-150	3.1-4.0	FULL SUN	2.1-2.5	TO PREVENT STRESS
TX1	SILTY CLAY AND CLAY	7.6-8.5	151-270	241-375	3.1-4.0	FULL SUN	0.6-1.0	TO PREVENT STRESS
TX2	-	7.6-8.5	-	-	0.0-1.0	FULL SUN	1.6-2.0	TO PREVENT STRESS

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2016

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
AL1				X	X	X	X	X	X				X	X	X
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	X	X	X	X	X		
FL3				X	X	X		X	X	X	X	X	X	X	
FL4		X	X	X	X	X	X	X	X	X	X	X	X	X	
GA1				X	X	X	X	X	X	X	X	X	X	X	
IL2															
IN1					X	X	X	X	X				X		X
KS1						X	X	X	X					X	X
MO1				X	X	X	X	X	X	X	X			X	X
NC1				X	X	X	X	X	X	X			X	X	X
NC2															
TN1				X	X	X	X	X	X	X	X	X	X		X
TX1		X		X	X	X	X	X	X	X			X	X	X
TX2				X	X	X	X	X	X	X			X	X	X

TABLE B.

LOCATIONS AND DATA COLLECTED IN 2016

LOCATION	SPRING DENSITY	SUMMER DENSITY	FALL DENSITY	PERCENT COVER			WINTER COLOR	INSECT DAMAGE	FALL COLOR	FALL COLOR	FALL COLOR	FALL COLOR	SEEDHEAD RATINGS	LARGE PATCH	PERCENT GREEN COVER	
				SPRING	SUMMER	FALL			SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER			APRIL	MAY
AL1																
AR1		X													X	X
AZ1	X	X	X	X			X				X	X				
CA3		X					X									
FL3	X	X	X						X							
FL4	X	X	X		X	X		X	X	X	X	X				
GA1								X	X	X	X					
* IL2																
IN1						X										
KS1																
MO1	X								X	X					X	
NC1	X	X	X		X	X			X	X			X			
* NC2																
TN1				X	X	X		X	X	X	X	X				
TX1					X		X		X	X	X	X	X			
TX2							X									

* MORE DATA FOR IL2 AND NC2 IN TABLE 4 AND 2.

TABLE 1.

MEAN TURFGRASS QUALITY RATINGS OF ZOYSIAGRASS CULTIVARS
GROWN AT ELEVEN LOCATIONS IN THE U.S. 1/
2016 DATA

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

NAME	AL1	AR1	AZ1	FL3	FL4	GA1	IN1	KS1	NC1	TN1	TX1	MEAN
FAES 1305	7.2	8.4	7.3	6.1	5.8	6.4	7.4	8.5	6.0	7.1	7.0	7.0
FAES 1319	6.0	7.5	6.9	6.6	6.3	6.0	.	7.4	6.3	7.2	7.2	6.7
DALZ 1301	6.3	7.7	6.4	5.5	6.0	6.4	7.4	8.1	5.1	7.4	7.1	6.7
09-TZ-54-9	6.3	7.4	7.1	6.1	5.3	5.7	.	7.4	5.7	7.1	7.9	6.6
FAES 1312	6.7	6.7	6.5	6.4	5.7	5.5	7.6	7.1	6.3	6.9	6.9	6.6
FAES 1313	4.8	7.5	6.7	6.4	6.3	5.2	.	7.4	6.0	6.9	7.2	6.4
* ZEON	3.9	7.9	6.5	5.9	5.0	5.6	6.9	8.4	5.8	7.0	7.0	6.4
FAES 1307	5.4	7.1	7.0	6.0	5.2	5.4	.	7.3	5.6	6.7	7.2	6.3
11-TZ-4321	6.4	6.3	6.3	6.2	5.7	5.8	5.8	6.4	6.4	7.0	6.7	6.3
DALZ 1302	5.8	6.2	6.2	5.9	6.1	5.7	6.7	5.7	6.5	7.0	7.1	6.3
* A-1	3.6	8.3	7.1	5.3	5.8	5.4	.	7.5	5.3	6.9	6.9	6.2
10-TZ-1254	5.1	6.3	6.3	6.8	6.3	5.1	.	6.3	5.8	7.1	6.5	6.2
FAES 1304	3.5	6.9	6.8	6.1	5.5	5.6	7.0	7.3	5.3	7.1	6.6	6.2
KSUZ 1201	3.5	7.4	5.8	6.7	3.5	5.4	7.4	7.7	6.3	6.7	6.4	6.1
FAES 1318	3.6	6.6	6.7	5.9	5.0	5.4	.	7.8	5.8	6.9	6.8	6.0
FAES 1329	4.6	7.6	6.5	6.3	5.7	6.7	.	4.9	4.2	6.7	7.2	6.0
10-TZ-35	5.0	6.1	6.1	6.0	4.6	5.6	6.3	6.1	6.5	6.8	7.2	6.0
FAES 1314	5.2	5.3	6.5	5.9	4.2	5.6	.	7.3	5.7	7.0	6.7	5.9
FAES 1328	5.2	6.5	6.2	5.7	3.9	5.7	.	5.8	5.2	7.1	6.7	5.8
FAES 1315	4.7	4.9	7.0	6.0	4.8	5.5	.	5.8	5.2	6.8	7.4	5.8
FAES 1316	4.2	6.7	6.1	6.5	4.2	5.6	.	5.1	5.5	6.9	7.0	5.8
FAES 1317	5.6	5.9	6.6	5.8	3.5	4.4	.	6.8	5.9	6.8	6.6	5.8
DALZ 1303	3.3	7.1	7.3	5.3	6.3	5.3	.	3.6	5.2	6.7	7.4	5.8
* EMPIRE	4.3	6.0	6.3	6.2	4.4	5.4	4.7	5.8	6.0	7.0	6.3	5.7
CSZ 1105	4.3	6.3	6.3	6.1	4.9	5.7	.	3.3	4.9	6.5	6.8	5.5
FAES 1322	3.6	6.7	6.3	6.4	6.1	4.9	.	1.4	5.6	6.7	7.3	5.5
FAES 1306	4.2	7.0	7.6	4.9	5.7	5.5	.	1.1	4.5	6.5	7.5	5.4
* MEYER	1.8	6.9	6.1	6.3	2.3	3.7	7.5	5.7	4.8	6.8	6.5	5.3
FAES 1303	4.1	6.9	7.0	5.0	6.0	5.3	.	1.1	3.7	6.3	7.3	5.3
09-TZ-53-20	4.2	4.8	7.3	5.8	3.9	5.9	.	1.8	4.7	6.7	7.2	5.2
FAES 1310	3.6	5.8	7.6	5.3	5.6	5.4	.	1.0	4.0	6.4	7.0	5.2
GGZ 504	4.0	6.0	5.9	4.6	4.0	4.8	.	5.7	4.3	6.8	5.5	5.2
CSZ 1109	4.7	4.8	7.0	5.3	5.9	4.6	.	1.0	3.6	6.3	6.7	5.0
FAES 1309	4.4	1.5	7.7	6.0	6.0	5.7	.	1.0	3.6	6.7	6.7	4.9
FAES 1308	3.9	4.0	7.6	5.2	5.6	4.6	.	1.0	3.5	6.2	6.7	4.8
LSD VALUE	1.4	1.7	0.9	0.6	0.8	0.7	1.5	1.2	0.8	0.3	0.7	0.3
C.V. (%)	19.3	16.7	8.3	6.3	9.3	8.6	13.5	14.6	9.2	2.5	6.7	10.8

*/ COMMERCIALLY AVAILABLE IN THE USA IN 2017

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 2.

PERCENT GROUND COVER RATINGS OF ZOYSIAGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT RALEIGH, NC 1/
2016 DATA

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

NAME	NO_TRAFFIC 8_25	TRAFFIC 8_25	NO_TRAFFIC 9_01	TRAFFIC 9_01	NO_TRAFFIC 9_08	TRAFFIC 9_08	NO_TRAFFIC 9_15	TRAFFIC 9_15	NO_TRAFFIC 9_22	TRAFFIC 9_22	NO_TRAFFIC 9_29	TRAFFIC 9_29
09-TZ-54-9	99.0	96.3	99.0	96.3	99.0	94.7	96.3	91.7	91.7	88.3	89.0	80.0
FAES 1313	99.0	99.0	99.0	99.0	99.0	99.0	99.0	97.7	99.0	97.7	99.0	93.3
A-1	99.0	99.0	97.7	99.0	97.7	99.0	97.7	96.3	97.7	96.3	97.7	90.0
CSZ 1105	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	96.3	96.3	86.7
DALZ 1303	99.0	99.0	99.0	99.0	99.0	99.0	99.0	97.7	99.0	97.7	99.0	93.3
FAES 1315	99.0	99.0	99.0	99.0	99.0	99.0	97.7	96.3	96.3	91.7	93.3	86.7
09-TZ-53-20	99.0	97.7	99.0	97.7	97.7	97.7	97.7	96.3	96.3	96.3	93.3	90.0
DALZ 1302	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	94.7
FAES 1304	99.0	99.0	99.0	99.0	99.0	99.0	97.7	96.3	96.0	93.0	94.7	85.0
FAES 1317	99.0	99.0	99.0	99.0	99.0	99.0	99.0	97.7	99.0	95.0	99.0	93.3
FAES 1307	99.0	99.0	99.0	99.0	99.0	99.0	99.0	96.3	99.0	91.7	99.0	83.3
FAES 1309	99.0	93.3	97.7	93.3	96.0	88.3	93.3	83.3	90.0	76.7	88.3	66.7
FAES 1322	99.0	99.0	99.0	99.0	99.0	99.0	99.0	97.7	97.7	97.7	97.7	91.7
10-TZ-1254	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	96.3	96.3	88.3
FAES 1306	99.0	99.0	99.0	99.0	99.0	93.0	97.7	86.3	94.7	84.7	94.7	76.7
FAES 1312	99.0	99.0	99.0	99.0	99.0	99.0	99.0	97.7	99.0	97.7	97.7	94.7
EMPIRE	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	95.0
FAES 1316	99.0	99.0	99.0	99.0	99.0	99.0	99.0	95.0	99.0	91.7	99.0	85.0
FAES 1318	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	97.7	99.0	90.0
FAES 1303	99.0	94.7	99.0	94.7	96.3	91.3	96.3	86.7	96.3	83.3	93.0	75.0
FAES 1305	99.0	99.0	99.0	99.0	99.0	99.0	99.0	97.7	99.0	93.3	99.0	85.0
FAES 1308	99.0	93.0	97.7	91.7	96.3	88.3	96.3	88.3	94.7	83.3	93.3	73.3
10-TZ-35	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	94.7
FAES 1319	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	97.7	99.0	91.7
FAES 1329	99.0	99.0	99.0	99.0	99.0	99.0	99.0	93.3	99.0	91.7	97.7	85.0
CSZ 1109	96.0	58.3	94.7	58.3	94.7	54.0	93.3	50.7	90.0	47.3	88.3	40.7
FAES 1310	99.0	97.7	99.0	97.7	99.0	95.0	96.3	90.0	93.3	83.3	90.0	76.7
FAES 1328	99.0	99.0	99.0	99.0	99.0	99.0	97.7	94.7	97.7	93.0	97.7	88.3
ZEON	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	95.0	97.7	86.7
GGZ 504	99.0	99.0	99.0	99.0	99.0	96.3	96.3	91.7	94.7	85.0	91.7	73.3
DALZ 1301	99.0	99.0	99.0	99.0	99.0	99.0	99.0	96.3	99.0	93.3	95.0	80.0
KSUZ 1201	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	91.7
MEYER	99.0	96.0	97.7	96.0	97.7	96.0	97.7	94.7	97.7	93.0	96.3	86.7
11-TZ-4321	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	93.3
FAES 1314	99.0	99.0	99.0	99.0	99.0	99.0	99.0	97.7	99.0	93.3	99.0	88.3
LSD VALUE	3.0	16.6	2.5	16.5	3.6	15.1	2.7	14.7	4.7	15.2	5.3	14.9
C.V. (%)	0.9	8.4	1.1	8.4	1.5	8.5	1.5	8.9	2.7	9.6	3.2	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 2. (CONT'D)

PERCENT GROUND COVER RATINGS OF ZOYSIAGRASS CULTIVARS
GROWN UNDER TRAFFIC STRESS AT RALEIGH, NC 1/
2016 DATA

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

NAME	NO_TRAFFIC 10_6	TRAFFIC 10_6	NO_TRAFFIC 10_13	TRAFFIC 10_13	NO_TRAFFIC 10_20	TRAFFIC 10_20	NO_TRAFFIC 10_27	TRAFFIC 10_27	NO_TRAFFIC 11_3	TRAFFIC 11_3	NO_TRAFFIC 11_10	TRAFFIC 11_10
09-TZ-54-9	86.7	68.3	85.0	66.7	83.3	63.3	80.0	61.7	76.7	53.3	66.7	40.0
FAES 1313	96.3	86.7	94.7	80.0	91.7	70.0	88.3	61.7	80.0	51.7	71.7	38.3
A-1	94.7	85.0	94.7	76.7	94.7	63.3	91.7	56.7	85.0	48.3	65.0	36.7
CSZ 1105	91.7	68.3	88.3	51.7	86.7	46.7	78.3	45.0	73.3	41.7	50.0	36.7
DALZ 1303	99.0	85.0	97.7	81.7	93.3	61.7	88.3	58.3	78.3	56.7	71.7	36.7
FAES 1315	90.0	75.0	88.3	70.0	86.7	61.7	81.7	58.3	73.3	50.0	58.3	36.7
09-TZ-53-20	90.0	83.3	85.0	80.0	83.3	70.0	80.0	63.3	80.0	51.7	68.3	35.0
DALZ 1302	99.0	90.0	97.7	85.0	93.3	70.0	88.3	68.3	85.0	60.0	63.3	35.0
FAES 1304	93.0	81.7	91.7	76.7	85.0	65.0	76.7	56.7	70.0	48.3	63.3	35.0
FAES 1317	97.7	86.7	96.3	76.7	95.0	70.0	91.7	58.3	90.0	46.7	76.7	35.0
FAES 1307	96.3	73.3	93.3	68.3	93.3	60.0	86.7	51.7	83.3	43.3	65.0	33.3
FAES 1309	83.3	60.0	83.3	56.7	81.7	46.7	75.0	45.0	73.3	41.7	58.3	33.3
FAES 1322	96.3	83.3	93.3	75.0	91.7	60.0	85.0	51.7	80.0	45.0	65.0	33.3
10-TZ-1254	96.3	78.3	91.7	68.3	90.0	50.0	83.3	45.0	73.3	36.7	58.3	30.0
FAES 1306	91.7	66.7	85.0	58.3	85.0	55.0	80.0	51.7	76.7	41.7	63.3	28.3
FAES 1312	97.7	88.3	94.7	81.7	93.0	68.3	85.0	63.3	80.0	46.7	56.7	28.3
EMPIRE	99.0	90.0	96.3	85.0	93.3	70.0	88.3	58.3	81.7	43.3	60.0	26.7
FAES 1316	99.0	78.3	96.3	66.7	93.3	56.7	86.7	50.0	85.0	38.3	65.0	25.0
FAES 1318	96.3	81.7	93.3	75.0	91.7	63.3	78.3	50.0	78.3	41.7	58.3	25.0
FAES 1303	91.3	61.7	88.3	53.3	85.0	50.0	78.3	48.3	71.7	35.0	55.0	23.3
FAES 1305	97.7	80.0	95.0	76.7	91.7	60.0	81.7	53.3	76.7	36.7	58.3	23.3
FAES 1308	90.0	63.3	85.0	53.3	85.0	48.3	81.7	45.0	75.0	33.3	58.3	23.3
10-TZ-35	97.7	88.3	96.3	83.3	93.3	73.3	88.3	63.3	78.3	45.0	63.3	21.7
FAES 1319	97.7	81.7	95.0	66.7	91.7	48.3	83.3	40.0	76.7	31.7	53.3	21.7
FAES 1329	95.0	71.7	93.3	63.3	88.3	53.3	81.7	45.0	73.3	36.7	51.7	21.7
CSZ 1109	88.3	34.0	80.0	29.0	73.3	23.7	70.0	23.7	70.0	23.7	60.0	20.3
FAES 1310	86.7	58.3	85.0	46.7	83.3	40.0	76.7	35.0	70.0	26.7	56.7	20.0
FAES 1328	96.3	80.0	90.0	73.3	88.3	60.0	80.0	48.3	68.3	36.7	45.0	20.0
ZEON	94.7	75.0	94.7	66.7	90.0	55.0	81.7	41.7	70.0	33.3	48.3	20.0
GGZ 504	86.7	56.7	81.7	46.7	80.0	38.3	71.7	35.0	63.3	28.3	55.0	16.7
DALZ 1301	90.0	68.3	86.7	60.0	86.7	45.0	78.3	31.7	70.0	23.3	51.7	11.7
KSUZ 1201	99.0	88.3	96.3	81.7	90.7	60.0	78.3	43.3	68.3	35.0	41.7	11.7
MEYER	91.7	80.0	90.0	75.0	86.7	56.7	75.0	41.7	50.0	30.0	35.0	11.7
11-TZ-4321	97.7	85.0	96.3	78.3	90.0	55.0	80.0	36.7	68.3	18.3	51.7	6.7
FAES 1314	99.0	78.3	96.3	60.0	91.7	40.0	76.7	26.7	71.7	16.7	40.0	6.7
LSD VALUE	5.2	16.0	6.5	17.5	8.0	15.1	12.0	14.6	16.3	14.1	13.8	12.1
C.V. (%)	3.5	12.8	4.4	15.6	5.2	16.1	7.4	18.2	11.1	21.8	14.0	28.6

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 3.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
UNDER SHADE AT RIVERSIDE, CA 1/
2016 DATA

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

NAME	GENETIC COLOR	DENSITY SUMMER	WINTER COLOR	QUALITY RATINGS												MEAN
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
DALZ 1301	6.7	6.7	5.7	6.3	6.3	6.3	6.7	6.7	6.3	6.3	6.3	6.0	6.0	5.7	5.7	6.2
DALZ 1303	6.3	6.0	6.0	6.7	6.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.3	6.3	6.2
09-TZ-53-20	7.0	6.3	6.7	7.0	7.0	5.7	5.0	5.7	6.0	6.3	6.3	6.3	6.0	6.0	6.0	6.1
FAES 1306	6.0	6.0	5.3	7.0	7.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.7	5.7	5.7	6.1
09-TZ-54-9	7.0	6.3	6.7	6.3	6.3	5.7	5.7	5.7	6.0	6.3	6.3	6.0	6.0	6.0	6.0	6.0
CSZ 1109	6.3	5.7	5.3	7.0	7.0	6.0	5.3	5.3	6.0	6.0	6.0	5.7	6.0	6.0	6.0	6.0
FAES 1303	6.0	5.3	5.0	6.7	6.7	6.0	5.7	5.7	5.3	5.3	5.3	6.0	6.0	6.0	6.0	5.9
FAES 1309	6.0	5.0	5.3	6.7	6.7	6.0	5.0	5.0	5.3	5.3	5.3	5.7	6.0	6.0	6.0	5.8
FAES 1318	6.7	5.7	6.0	5.7	5.7	5.7	5.3	5.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.8
ZEON	5.7	5.3	5.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.3	5.3	5.3	5.8
A-1	6.3	5.7	6.3	5.7	5.7	5.3	5.3	5.3	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.7
FAES 1307	6.0	5.7	5.7	6.3	6.3	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.3	5.3	5.7
FAES 1310	6.0	5.7	5.7	6.7	6.7	5.7	5.0	5.0	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
FAES 1329	6.0	5.7	6.3	6.7	6.7	5.7	5.7	5.7	5.3	5.3	5.3	5.3	5.7	5.7	5.7	5.7
FAES 1304	6.3	5.3	6.0	6.0	6.0	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.3	5.3	5.3	5.6
FAES 1305	5.3	5.3	5.0	6.0	6.0	6.0	6.0	6.0	5.3	5.0	5.0	5.3	5.3	5.3	5.3	5.6
FAES 1317	6.0	5.3	5.3	6.0	6.0	5.7	5.7	5.7	5.3	5.7	5.3	6.0	5.7	5.3	5.3	5.6
FAES 1328	5.7	6.0	4.3	5.7	5.7	5.7	5.7	5.7	6.0	6.0	6.0	6.0	5.7	4.7	4.7	5.6
10-TZ-35	6.7	5.7	6.0	5.3	5.3	5.3	5.3	5.7	5.7	5.7	5.7	5.7	5.7	5.3	5.3	5.5
FAES 1322	6.7	5.0	6.0	5.7	5.7	5.0	4.3	4.7	5.7	6.0	6.0	6.0	5.7	5.7	5.7	5.5
FAES 1308	5.7	4.3	5.0	6.3	6.3	5.7	5.3	5.3	5.0	5.0	5.0	5.0	5.3	5.3	5.3	5.4
FAES 1319	6.0	5.0	6.3	5.7	5.7	5.0	5.0	5.0	5.3	5.3	5.3	5.7	5.7	5.7	5.7	5.4
FAES 1312	6.0	5.3	5.0	5.3	5.3	5.0	5.0	5.0	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
FAES 1314	5.3	5.3	5.3	6.0	6.0	5.0	5.0	5.0	5.3	5.3	5.3	5.0	5.0	5.0	5.0	5.3
DALZ 1302	6.7	5.3	5.3	6.0	6.0	5.3	4.7	5.0	5.3	5.3	5.3	5.0	4.7	4.7	4.7	5.2
FAES 1315	6.0	5.0	4.7	6.3	6.3	5.7	5.7	5.7	5.3	5.0	5.3	4.7	4.3	4.0	4.0	5.2
GGZ 504	6.0	4.7	5.7	6.0	6.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.9
KSUZ 1201	5.7	5.0	3.7	5.0	5.0	4.7	4.7	4.7	5.0	5.0	5.0	5.0	4.3	4.3	4.3	4.8
10-TZ-1254	5.0	4.0	4.7	5.7	5.7	5.3	5.0	5.3	4.3	4.0	4.0	4.3	4.3	4.0	4.0	4.7
EMPIRE	5.7	4.7	5.3	5.3	5.3	4.7	4.3	5.0	4.7	4.7	4.7	4.7	4.3	4.3	4.3	4.7
CSZ 1105	5.0	4.3	5.0	5.7	5.7	4.7	4.3	5.0	4.3	4.3	4.3	4.3	4.3	4.0	4.0	4.6
11-TZ-4321	5.7	4.7	4.7	5.0	5.0	4.3	4.3	4.3	4.7	4.7	5.0	4.7	4.0	4.0	4.0	4.5
FAES 1316	4.5	4.0	3.5	5.0	5.0	4.0	4.0	4.0	4.5	4.5	4.5	4.5	4.0	4.0	4.0	4.3
FAES 1313	4.3	4.0	4.3	5.7	5.7	4.3	3.3	3.7	4.0	4.0	4.0	4.0	3.7	3.7	3.7	4.1
MEYER	5.3	3.7	6.0	4.0	4.0	3.7	3.3	3.7	4.0	4.0	4.0	3.3	3.7	4.0	4.0	3.8
LSD VALUE	1.0	1.1	1.0	0.7	0.7	1.0	1.0	0.9	1.2	1.1	1.1	1.0	1.0	1.0	1.0	0.6
C.V. (%)	9.8	11.9	11.0	7.7	7.7	10.9	11.9	10.5	12.4	11.7	11.7	10.9	11.6	11.3	11.3	7.4

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 4.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
GROWN UNDER DROUGHT STRESS AT COLLEGE STATION, TX 1/
2015 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 1303	6.3	6.0	6.7	4.3	7.0	7.0	7.3	7.7	7.7	7.7	6.0	7.2
FAES 1303	7.0	5.7	7.3	3.7	6.3	7.3	7.3	7.7	7.3	7.3	7.3	7.2
FAES 1309	6.7	7.3	7.7	4.3	6.7	7.0	7.7	7.3	7.3	7.7	7.0	7.2
FAES 1310	6.3	6.0	7.3	4.0	7.0	7.0	8.0	7.3	7.0	7.0	6.7	7.1
FAES 1305	7.0	8.0	7.0	3.0	7.3	7.3	7.7	6.7	7.7	7.0	5.7	7.0
FAES 1306	7.7	5.0	7.0	4.3	7.0	7.7	7.0	6.7	7.3	6.7	6.7	7.0
ZEON	6.0	6.0	7.7	4.0	6.3	8.0	6.7	7.3	7.0	6.3	6.3	6.9
FAES 1329	7.3	7.7	6.0	5.3	7.0	6.0	7.0	7.0	6.7	6.7	6.7	6.7
A-1	6.7	6.0	7.3	4.7	5.7	6.7	7.3	7.0	7.0	6.0	6.7	6.6
CSZ 1105	6.0	3.0	6.3	3.7	6.3	6.7	7.0	6.0	7.0	7.3	6.0	6.6
FAES 1313	7.0	7.7	5.7	5.3	7.0	5.7	6.3	7.3	6.7	6.7	6.0	6.5
FAES 1315	7.3	5.7	6.3	6.0	6.3	6.0	6.7	7.3	6.3	6.7	6.3	6.5
FAES 1308	7.0	5.7	7.7	4.3	6.0	6.3	6.3	5.7	7.0	7.0	6.3	6.4
FAES 1307	7.0	5.3	6.3	5.3	6.3	6.3	6.3	5.7	7.0	6.0	6.0	6.2
FAES 1319	7.0	5.7	5.7	4.3	7.0	6.0	5.3	6.3	6.0	6.3	5.7	6.1
09-TZ-53-20	8.0	4.0	5.0	4.7	5.7	6.0	6.7	6.3	6.0	5.7	6.0	6.0
CSZ 1109	7.3	6.3	6.7	4.0	6.3	6.0	5.7	5.3	6.3	5.7	6.7	6.0
FAES 1322	7.3	6.3	5.0	4.7	6.3	6.0	5.7	6.0	6.7	5.7	5.7	6.0
FAES 1314	6.7	4.0	5.3	3.7	5.0	5.7	6.3	7.0	6.3	5.7	5.3	5.9
FAES 1318	6.3	5.3	5.7	4.7	5.3	5.7	6.0	6.0	6.0	6.3	5.7	5.9
KSUZ 1201	7.3	7.0	5.3	2.7	5.3	5.7	6.3	6.0	6.3	6.0	5.7	5.9
09-TZ-54-9	7.3	5.0	5.0	4.0	5.7	5.7	5.7	5.3	5.7	6.3	6.0	5.8
FAES 1304	7.7	7.0	4.7	5.3	5.3	5.7	5.7	5.7	5.7	6.0	6.0	5.7
FAES 1312	6.7	6.7	4.0	5.7	6.3	5.3	5.3	5.7	6.3	5.7	5.3	5.7
DALZ 1301	7.0	5.3	6.0	3.0	4.3	7.0	6.0	5.3	6.3	5.0	5.0	5.6
FAES 1316	7.0	7.3	5.0	5.7	5.7	5.3	5.7	6.0	5.7	6.0	5.0	5.6
GGZ 504	7.0	5.3	5.0	4.3	5.7	5.7	5.0	5.7	6.0	5.0	6.3	5.6
10-TZ-1254	8.0	4.7	5.0	5.3	6.0	5.3	5.0	5.7	6.0	5.3	5.0	5.5
MEYER	6.3	6.0	4.0	1.7	5.7	5.7	5.3	5.3	6.0	5.3	5.0	5.5
FAES 1317	7.0	5.3	4.3	4.3	5.7	5.3	4.7	4.7	5.0	6.0	5.7	5.3
FAES 1328	5.7	6.3	4.0	3.3	5.3	5.0	5.7	5.3	5.7	5.0	5.0	5.3
10-TZ-35	7.0	5.7	4.3	5.0	5.0	4.7	5.3	5.3	5.7	5.0	5.0	5.1
DALZ 1302	5.7	6.3	4.0	5.7	5.3	4.7	5.0	5.3	5.7	5.0	5.0	5.1
11-TZ-4321	7.0	3.3	4.0	2.3	3.3	5.3	5.0	5.3	6.0	5.0	5.0	5.0
EMPIRE	6.0	5.3	4.7	4.7	4.3	5.0	5.0	5.7	5.0	5.3	5.0	5.0
LSD VALUE	2.5	1.9	1.0	1.2	1.6	1.1	0.9	1.4	1.2	1.1	0.8	0.6
C.V. (%)	12.9	18.8	11.5	17.3	14.8	11.0	9.8	12.7	10.5	11.1	8.7	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 5.

MEAN TURFGRASS QUALITY AND OTHER RATINGS OF ZOYSIAGRASS CULTIVARS
AT COLUMBIA (ANCILLARY), MO 1/
2015 DATA

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

NAME	SPRING GREENUP	DENSITY SPRING	LARGE PATCH	FALL COLOR RATINGS		QUALITY RATINGS							MEAN	
				OCTOBER	NOVEMBER	APR	MAY	JUN	JUL	AUG	SEP	OCT		NOV
DALZ 1301	.	6.0	6.3	6.3	7.7	6.0	6.7	7.3	7.0	7.0	7.3	6.0	7.3	6.8
KSUZ 1201	9	5.7	4.3	5.0	6.0	5.7	6.7	7.0	6.7	6.7	6.7	6.0	6.0	6.4
FAES 1305	.	5.3	6.7	6.7	7.0	5.7	5.7	7.0	6.3	6.7	6.3	6.3	6.3	6.3
MEYER	.	5.0	3.7	4.3	4.3	4.7	4.0	4.7	6.3	6.7	6.0	5.7	6.0	5.5
11-TZ-4321	.	5.0	6.0	6.3	6.7	4.0	4.0	4.3	4.3	4.7	6.0	5.7	5.3	4.8
FAES 1319	1	4.0	8.7	6.7	6.7	4.3	3.0	4.7	4.3	4.7	5.0	5.7	6.0	4.7
FAES 1312	1	3.3	6.0	6.0	6.0	3.0	3.0	3.7	4.0	4.0	4.0	4.0	4.0	3.7
10-TZ-35	1	1.7	.	6.0	7.5	1.7	1.3	1.7	1.0	3.0	3.7	4.7	3.7	2.6
DALZ 1302	1	1.3	.	5.0	6.0	1.3	1.3	1.7	1.3	1.7	2.3	2.3	2.3	1.8
FAES 1306	1	1.3	.	.	.	1.7	1.0	2.3	1.0	1.0	1.0	1.0	1.0	1.3
FAES 1309	.	1.0	.	6.0	7.0	1.0	1.0	1.0	1.3	1.3	1.0	1.7	2.0	1.3
DALZ 1303	.	1.0	.	.	.	1.0	1.3	1.0	1.7	1.7	1.0	1.0	1.0	1.2
FAES 1328	.	1.3	.	.	.	1.0	1.3	1.0	1.0	1.7	1.0	1.0	1.0	1.1
ZEON	1	1.0	.	.	.	1.0	1.0	1.0	1.0	1.3	1.0	1.0	1.3	1.1
09-TZ-53-20	1	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
09-TZ-54-9	1	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10-TZ-1254	.	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
A-1	.	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CSZ 1105	.	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
CSZ 1109	.	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
EMPIRE	1	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
FAES 1303	.	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
FAES 1304	1	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
FAES 1307	1	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
FAES 1308	.	1.3	.	.	.	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
FAES 1310	1	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
FAES 1313	1	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
FAES 1314	.	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.0
FAES 1315	.	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
FAES 1316	.	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
FAES 1317	1	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
FAES 1318	.	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
FAES 1322	1	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
FAES 1329	1	1.0	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
GGZ 504	.	1.3	.	.	.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.0
LSD VALUE	.	1.5	5.9	2.9	2.4	1.5	1.5	1.4	1.5	1.5	1.6	1.4	1.6	1.3
C.V. (%)	.	51.4	38.5	17.5	14.7	54.8	54.4	46.9	52.0	46.7	50.3	45.1	48.6	44.8

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 6. GENETIC COLOR RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2016 DATA

NAME	GENETIC COLOR RATINGS 1-9; 9=DARK GREEN 2/										
	AL1	AR1	AZ1	FL3	FL4	GA1	IN1	NC1	TN1	TX1	MEAN
KSUZ 1201	5.7	8.3	6.7	8.0	7.0	6.0	7.7	7.0	8.7	7.3	7.2
11-TZ-4321	5.7	6.7	6.3	8.3	9.0	5.3	7.3	7.7	8.0	7.7	7.2
A-1	6.3	8.3	6.3	8.0	7.3	5.7	.	6.7	8.7	7.3	7.2
FAES 1304	6.0	7.7	7.0	6.3	7.7	6.3	8.0	7.0	8.7	7.0	7.2
FAES 1329	6.0	8.3	6.7	7.7	8.0	6.0	.	6.7	8.0	7.0	7.1
FAES 1305	7.0	7.7	5.7	7.3	8.7	6.3	7.0	6.3	8.0	7.3	7.1
DALZ 1301	7.3	7.7	6.3	5.7	7.7	6.7	7.3	6.3	8.0	7.7	7.1
FAES 1313	5.7	7.7	6.3	7.0	8.7	5.7	.	6.7	8.3	7.0	7.0
FAES 1319	6.7	5.7	6.7	7.7	8.0	6.0	.	7.7	8.0	6.7	7.0
FAES 1314	4.7	8.0	6.7	6.7	7.7	6.0	.	7.0	8.3	7.0	6.9
FAES 1316	3.7	7.0	7.3	7.3	7.7	6.0	.	7.3	8.0	7.7	6.9
FAES 1312	6.0	5.7	7.0	7.3	7.3	6.0	7.0	7.3	7.3	7.0	6.8
FAES 1315	6.0	7.0	6.7	5.7	7.3	6.0	.	7.0	8.0	7.0	6.7
09-TZ-53-20	4.3	6.3	7.7	7.3	7.0	6.0	.	7.0	7.3	7.3	6.7
FAES 1328	5.0	6.3	6.7	7.3	6.3	5.7	.	7.3	8.0	7.7	6.7
FAES 1317	5.3	5.3	7.3	7.0	7.0	5.0	.	7.3	8.3	7.3	6.7
10-TZ-1254	5.0	5.0	6.7	7.0	8.7	5.3	.	7.3	7.3	7.3	6.6
FAES 1318	4.3	6.7	6.7	7.0	7.0	5.3	.	6.7	8.0	7.3	6.6
DALZ 1302	5.3	5.0	6.0	6.7	7.7	5.7	6.3	7.7	8.0	7.0	6.5
EMPIRE	5.0	4.7	6.7	7.3	7.3	5.3	7.0	7.3	7.3	7.3	6.5
09-TZ-54-9	4.0	7.0	6.3	6.0	7.0	6.3	.	6.3	8.0	7.7	6.5
FAES 1303	5.0	8.0	5.7	5.7	7.7	5.0	.	6.7	7.7	7.3	6.5
10-TZ-35	5.7	4.3	6.0	7.3	7.3	6.0	6.3	7.3	7.3	7.3	6.5
MEYER	3.0	7.0	7.0	7.0	6.0	4.7	7.7	7.7	8.0	7.0	6.5
FAES 1307	6.0	6.3	6.0	6.7	7.3	5.7	.	6.7	7.0	6.7	6.5
CSZ 1109	5.3	7.0	6.0	6.0	7.3	5.0	.	7.0	7.7	6.7	6.4
FAES 1310	4.3	7.7	5.3	6.0	7.0	5.7	.	6.7	7.7	7.3	6.4
GGZ 504	4.3	6.0	6.3	6.7	6.3	5.7	.	7.3	8.0	7.0	6.4
FAES 1309	5.0	6.3	6.0	6.0	7.0	6.0	.	7.0	7.0	7.0	6.4
ZEON	5.7	5.7	5.7	6.3	7.3	6.0	6.7	6.3	7.0	7.0	6.4
FAES 1322	3.7	6.0	7.0	6.0	7.0	5.7	.	6.7	7.3	7.3	6.3
FAES 1306	3.7	7.0	5.3	5.3	7.3	5.7	.	7.0	7.0	7.7	6.2
FAES 1308	4.0	7.3	5.7	5.3	7.0	4.7	.	6.7	8.0	7.0	6.2
DALZ 1303	4.0	7.0	5.3	5.3	7.7	5.3	.	6.3	7.0	7.3	6.1
CSZ 1105	4.3	6.0	6.0	5.0	7.7	5.3	.	6.7	7.0	7.0	6.1
LSD VALUE	1.8	0.9	1.1	1.1	1.3	0.8	0.7	0.8	0.6	0.8	0.3
C.V. (%)	21.6	8.8	10.4	10.6	10.5	8.9	6.5	7.3	4.9	6.8	9.9

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 7. SPRING GREENUP RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2016 DATA

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

NAME	AL1	AZ1	FL3	FL4	GA1	KS1	NC1	TX1	MEAN
FAES 1319	8.0	9.0	8.0	7.0	4.3	5.7	4.0	5.3	6.4
09-TZ-54-9	4.0	7.7	7.3	6.0	5.3	6.3	3.7	6.3	5.8
10-TZ-1254	5.7	7.0	8.0	5.7	5.0	6.0	3.0	5.7	5.8
FAES 1305	5.7	7.7	7.7	5.7	6.3	6.0	2.7	4.3	5.8
DALZ 1302	5.0	7.0	6.7	4.7	5.0	7.0	3.7	5.0	5.5
FAES 1313	7.0	7.3	8.0	6.0	4.0	4.3	2.3	5.0	5.5
FAES 1307	7.0	8.0	8.0	6.3	4.0	4.0	2.0	4.3	5.5
FAES 1312	6.0	7.3	7.3	5.3	5.3	5.7	2.7	4.0	5.5
FAES 1304	4.7	6.7	7.3	6.0	4.7	5.7	3.0	4.7	5.3
ZEON	4.0	7.3	7.0	5.0	6.0	7.0	2.3	4.0	5.3
DALZ 1301	4.0	6.7	7.0	5.7	5.7	6.7	2.3	4.3	5.3
11-TZ-4321	4.0	7.3	7.0	3.7	4.7	7.3	3.3	4.7	5.3
FAES 1315	6.0	6.7	8.0	5.3	4.0	4.0	3.0	5.0	5.3
10-TZ-35	4.0	7.3	7.0	4.3	4.7	6.0	3.7	4.3	5.2
A-1	5.3	7.3	7.3	7.0	3.7	3.7	2.3	4.0	5.1
FAES 1328	6.3	7.3	7.7	4.3	5.0	4.0	1.7	4.3	5.1
09-TZ-53-20	5.0	7.3	7.7	4.7	5.3	1.7	2.7	5.0	4.9
EMPIRE	4.0	8.0	6.7	4.3	3.3	5.7	3.3	4.0	4.9
FAES 1329	4.7	6.7	7.3	6.3	4.0	2.0	1.3	5.0	4.7
FAES 1309	5.3	6.7	7.0	6.0	4.3	1.0	2.0	5.0	4.7
FAES 1316	5.3	5.3	6.7	4.3	5.0	4.0	2.7	4.0	4.7
FAES 1314	5.3	7.7	6.7	5.3	3.3	3.7	2.0	3.0	4.6
FAES 1318	4.0	7.3	7.0	5.3	3.0	5.0	2.0	3.3	4.6
FAES 1322	4.7	5.7	8.0	7.0	2.3	1.0	3.0	5.3	4.6
KSUZ 1201	2.0	6.3	7.3	3.3	4.3	7.7	2.0	3.0	4.5
DALZ 1303	3.0	8.3	7.0	6.3	2.3	2.7	1.3	4.3	4.4
FAES 1317	4.7	7.0	7.0	4.7	3.0	4.3	1.7	3.0	4.4
MEYER	1.0	7.0	7.7	2.3	5.3	5.3	2.3	3.0	4.3
FAES 1303	3.0	6.0	6.3	6.7	3.7	1.0	2.0	4.0	4.1
GGZ 504	4.3	5.7	6.0	5.0	2.7	2.7	1.3	3.7	3.9
FAES 1306	3.3	6.0	6.3	6.0	2.7	1.0	1.7	4.0	3.9
CSZ 1109	3.7	6.3	6.3	5.7	2.3	1.0	1.7	3.7	3.8
FAES 1310	3.7	6.0	6.7	5.3	3.0	1.0	2.0	3.0	3.8
FAES 1308	2.3	6.3	6.7	6.0	2.7	1.0	1.7	3.3	3.8
CSZ 1105	5.0	5.3	7.3	4.3	1.3	1.7	1.3	3.0	3.7
LSD VALUE	1.6	2.3	0.9	1.6	2.3	1.4	1.1	1.2	0.6
C.V. (%)	21.2	20.7	8.1	18.7	34.6	21.6	28.0	17.6	20.7

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.

TABLE 8. LEAF TEXTURE RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2016 DATA

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

NAME	AL1	AR1	AZ1	IN1	KS1	NC1	TN1	TX1	MEAN
ZEON	8.0	9.0	8.3	9.0	9.0	8.0	2.0	8.0	7.7
FAES 1305	8.7	9.0	8.3	8.3	9.0	8.0	2.0	7.3	7.6
A-1	8.3	9.0	8.3	.	9.0	8.0	2.0	8.0	7.5
DALZ 1301	8.3	9.0	8.3	7.7	8.7	8.0	2.0	7.0	7.4
FAES 1308	8.3	8.7	8.7	.	.	8.3	2.0	7.3	7.2
FAES 1306	6.3	8.7	8.3	.	.	8.0	2.0	7.0	6.7
FAES 1310	7.0	9.0	8.0	.	.	8.3	2.0	5.3	6.6
DALZ 1303	5.3	8.7	7.3	.	8.5	8.0	2.0	6.3	6.6
FAES 1309	7.0	8.7	7.3	.	.	8.0	2.0	6.3	6.6
FAES 1329	5.7	8.3	6.7	.	8.3	7.7	2.7	6.0	6.5
FAES 1303	7.0	8.3	8.0	.	.	8.0	2.0	5.3	6.4
FAES 1313	5.0	7.7	6.7	.	8.3	7.3	3.0	6.0	6.3
CSZ 1109	8.3	8.7	9.0	.	1.0	7.7	2.3	7.0	6.3
FAES 1315	5.3	8.0	7.3	.	8.3	7.3	2.0	5.7	6.3
CSZ 1105	5.7	7.7	6.3	.	7.3	7.3	2.3	5.7	6.0
FAES 1307	5.7	7.7	6.0	.	7.7	7.0	2.3	5.7	6.0
KSUZ 1201	4.3	7.0	6.7	6.3	7.7	7.0	2.3	5.7	5.9
09-TZ-53-20	4.0	7.0	5.7	.	8.0	8.0	2.0	4.7	5.6
FAES 1322	3.3	7.0	5.3	.	7.0	7.0	3.0	5.3	5.4
FAES 1317	4.0	6.7	6.0	.	6.7	7.0	3.0	4.7	5.4
FAES 1314	3.3	6.7	6.3	.	6.7	6.7	2.7	5.3	5.4
FAES 1318	3.0	7.3	6.3	.	7.0	7.0	2.3	4.3	5.3
MEYER	2.7	7.3	5.7	6.0	7.0	7.0	3.0	4.0	5.3
GGZ 504	4.0	6.0	5.0	.	6.7	7.0	3.0	5.0	5.2
FAES 1319	3.7	7.0	5.7	.	6.3	7.0	2.0	5.0	5.2
FAES 1304	2.7	6.0	6.0	6.0	6.3	7.0	3.0	4.3	5.2
FAES 1312	3.3	6.3	5.0	6.0	6.0	6.7	2.3	5.3	5.1
FAES 1316	2.7	6.7	5.3	.	6.0	6.7	2.7	5.7	5.1
09-TZ-54-9	2.7	6.7	5.0	.	6.7	7.0	3.0	4.7	5.1
FAES 1328	3.0	6.0	5.0	.	5.3	6.7	3.3	5.3	5.0
11-TZ-4321	2.0	5.7	5.3	5.0	6.7	6.3	3.7	4.0	4.8
10-TZ-1254	1.0	6.3	5.3	.	6.0	6.0	3.3	3.0	4.4
EMPIRE	1.0	5.3	4.3	3.7	4.3	6.0	4.0	4.0	4.1
10-TZ-35	1.3	4.7	4.3	4.0	5.0	6.0	4.0	3.0	4.0
DALZ 1302	1.0	5.3	4.3	5.0	4.3	5.7	3.3	3.0	4.0
LSD VALUE	1.2	0.7	1.1	0.6	1.0	0.7	0.6	1.4	0.4
C.V. (%)	15.4	6.2	10.3	5.7	8.0	6.3	15.1	16.1	10.4

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 9. SPRING DENSITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2016 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/					
NAME	AZ1	FL3	FL4	NC1	MEAN
FAES 1319	7.7	6.0	6.7	7.7	7.0
FAES 1310	8.7	6.3	6.0	6.7	6.9
FAES 1308	9.0	7.0	5.7	5.7	6.8
DALZ 1301	7.7	6.0	6.3	7.3	6.8
DALZ 1303	8.7	6.3	6.0	6.3	6.8
FAES 1305	8.7	5.7	5.3	7.3	6.8
FAES 1317	8.0	6.3	4.7	7.7	6.7
FAES 1322	7.3	5.0	6.7	7.7	6.7
FAES 1306	9.0	6.3	5.0	6.0	6.6
FAES 1307	7.7	6.7	5.0	6.7	6.5
FAES 1329	8.0	6.3	6.0	5.7	6.5
09-TZ-54-9	7.7	6.0	5.0	7.0	6.4
FAES 1303	9.0	5.3	5.3	6.0	6.4
FAES 1315	7.3	6.3	5.0	7.0	6.4
FAES 1304	7.3	5.7	5.7	6.7	6.3
FAES 1309	8.3	5.7	5.7	5.7	6.3
A-1	8.0	6.0	5.3	6.0	6.3
FAES 1313	7.7	5.7	5.7	6.3	6.3
11-TZ-4321	6.0	5.7	5.7	7.7	6.3
FAES 1312	6.7	6.0	5.3	7.0	6.3
FAES 1314	7.7	6.3	4.0	7.0	6.3
CSZ 1109	8.3	6.3	4.7	5.0	6.1
FAES 1318	7.0	6.0	4.3	7.0	6.1
09-TZ-53-20	7.7	5.7	4.3	6.3	6.0
CSZ 1105	6.7	6.0	4.0	7.0	5.9
10-TZ-1254	6.7	5.3	5.3	6.3	5.9
KSUZ 1201	7.0	6.3	3.3	7.0	5.9
GGZ 504	7.0	5.7	4.0	6.7	5.8
DALZ 1302	6.0	4.7	5.3	7.3	5.8
ZEON	7.0	5.3	4.7	6.3	5.8
FAES 1316	6.7	6.0	3.3	6.7	5.7
FAES 1328	7.0	6.0	3.7	6.0	5.7
10-TZ-35	6.3	5.3	3.7	7.0	5.6
EMPIRE	6.3	5.7	3.0	7.0	5.5
MEYER	6.3	6.0	2.0	6.7	5.3
LSD VALUE	1.0	0.9	1.3	1.5	0.6
C.V. (%)	7.9	9.8	16.8	13.9	11.9

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 10. SUMMER DENSITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2016 DATA

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

NAME	AR1	AZ1	FL3	FL4	NC1	MEAN
A-1	9.0	8.7	7.0	9.0	7.3	8.2
FAES 1305	9.0	8.3	6.7	8.3	7.7	8.0
DALZ 1303	7.7	8.7	7.0	9.0	7.3	7.9
DALZ 1301	9.0	7.3	6.7	9.0	7.3	7.9
ZEON	8.7	8.0	7.0	7.7	7.7	7.8
FAES 1329	8.7	7.3	7.3	9.0	6.3	7.7
FAES 1303	8.3	8.7	6.7	8.7	6.0	7.7
FAES 1306	7.7	9.0	7.0	8.0	6.0	7.5
FAES 1307	8.0	7.3	7.0	8.0	7.3	7.5
FAES 1308	7.3	8.7	7.3	8.0	5.7	7.4
FAES 1310	7.3	8.3	7.3	8.0	6.0	7.4
FAES 1319	7.0	6.7	6.3	9.0	8.0	7.4
FAES 1312	6.3	7.3	7.3	7.7	8.0	7.3
FAES 1313	7.7	7.3	6.7	8.0	7.0	7.3
FAES 1318	7.7	7.0	6.3	8.0	7.3	7.3
FAES 1322	6.3	7.7	6.7	8.3	7.3	7.3
09-TZ-54-9	7.3	7.7	6.3	8.0	7.0	7.3
FAES 1315	6.0	8.0	6.3	8.0	7.3	7.1
FAES 1314	6.7	7.0	7.0	7.3	7.3	7.1
10-TZ-1254	6.3	6.0	6.7	8.3	7.3	6.9
CSZ 1105	6.3	6.7	7.0	7.7	7.0	6.9
CSZ 1109	6.0	8.3	7.0	8.0	5.3	6.9
DALZ 1302	6.3	6.0	6.3	8.7	7.3	6.9
FAES 1304	6.7	7.0	6.3	8.0	6.7	6.9
KSUZ 1201	6.7	6.7	7.0	6.3	7.7	6.9
09-TZ-53-20	5.3	8.0	6.0	7.7	7.0	6.8
FAES 1309	5.3	8.0	6.3	8.3	6.0	6.8
FAES 1316	7.3	6.0	7.0	6.7	7.0	6.8
FAES 1317	5.7	7.7	7.0	6.3	7.3	6.8
11-TZ-4321	5.3	5.7	6.3	9.0	7.3	6.7
EMPIRE	6.3	6.0	7.0	7.0	7.0	6.7
GGZ 504	5.7	7.0	7.0	7.0	6.3	6.6
MEYER	7.3	7.3	6.7	5.0	6.7	6.6
10-TZ-35	5.3	6.0	6.3	7.3	7.7	6.5
FAES 1328	6.7	6.3	6.0	6.7	6.7	6.5
LSD VALUE	0.9	1.5	0.8	1.1	1.2	0.5
C.V. (%)	7.8	12.4	7.8	8.7	11.0	9.8

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 11. FALL DENSITY RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2016 DATA

DENSITY RATINGS 1-9; 9=MAXIMUM DENSITY 2/					
NAME	AZ1	FL3	FL4	NC1	MEAN
FAES 1305	9.0	6.7	7.3	8.0	7.8
DALZ 1303	8.7	6.3	7.0	8.0	7.5
DALZ 1301	8.3	6.7	6.7	8.0	7.4
FAES 1303	8.3	6.3	7.3	7.3	7.3
FAES 1306	8.0	6.0	7.0	8.0	7.3
ZEON	8.7	6.0	6.3	8.0	7.3
FAES 1308	9.0	6.3	6.3	7.3	7.3
FAES 1312	7.3	6.3	7.0	8.0	7.2
FAES 1313	7.3	6.0	7.3	8.0	7.2
FAES 1319	6.7	6.7	7.3	7.7	7.1
A-1	8.0	5.3	7.0	8.0	7.1
FAES 1310	8.0	6.7	6.3	7.3	7.1
11-TZ-4321	6.7	6.0	7.3	8.0	7.0
CSZ 1109	8.3	6.7	7.0	6.0	7.0
FAES 1329	8.7	7.0	5.0	7.3	7.0
09-TZ-54-9	8.0	6.7	5.0	8.0	6.9
FAES 1309	8.7	6.3	5.7	7.0	6.9
FAES 1304	7.0	6.3	6.3	8.0	6.9
CSZ 1105	6.7	6.7	6.3	7.7	6.8
10-TZ-1254	6.0	6.3	7.0	8.0	6.8
DALZ 1302	6.3	5.3	7.7	8.0	6.8
EMPIRE	6.0	6.0	7.3	8.0	6.8
FAES 1307	7.3	6.7	5.3	8.0	6.8
FAES 1318	7.3	6.0	5.7	8.0	6.8
FAES 1322	7.0	5.7	6.3	8.0	6.8
10-TZ-35	5.7	6.0	6.3	8.0	6.5
KSUZ 1201	7.7	6.3	4.0	8.0	6.5
FAES 1315	7.3	5.7	5.0	7.7	6.4
FAES 1314	7.0	6.0	4.3	8.0	6.3
FAES 1316	6.3	6.0	5.0	8.0	6.3
09-TZ-53-20	8.3	5.7	3.3	7.7	6.3
FAES 1317	6.7	6.7	3.7	8.0	6.3
FAES 1328	7.0	6.0	4.7	7.3	6.3
GGZ 504	6.0	5.3	4.7	8.0	6.0
MEYER	6.3	5.3	2.3	7.7	5.4
LSD VALUE	1.4	1.0	1.8	0.6	0.6
C.V. (%)	11.5	10.2	18.6	5.0	11.6

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 12. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	AZ1	TN1	MEAN
11-TZ-4321	95.0	86.7	90.8
DALZ 1301	83.0	82.7	82.8
FAES 1305	96.0	67.0	81.5
ZEON	95.7	67.3	81.5
DALZ 1302	83.3	77.7	80.5
EMPIRE	86.0	72.7	79.3
FAES 1319	96.0	61.7	78.8
KSUZ 1201	86.7	70.7	78.7
10-TZ-1254	91.3	61.0	76.2
MEYER	71.7	80.0	75.8
10-TZ-35	83.0	66.7	74.8
FAES 1328	78.3	71.0	74.7
FAES 1312	64.7	78.0	71.3
FAES 1304	91.3	43.3	67.3
FAES 1318	93.0	36.0	64.5
FAES 1307	92.7	33.3	63.0
FAES 1314	93.3	22.3	57.8
A-1	89.7	24.3	57.0
DALZ 1303	99.0	10.0	54.5
FAES 1315	88.3	19.3	53.8
09-TZ-54-9	89.3	14.0	51.7
FAES 1309	90.0	13.3	51.7
FAES 1329	81.3	20.0	50.7
FAES 1317	86.7	13.0	49.8
FAES 1316	63.0	36.0	49.5
CSZ 1109	85.0	11.7	48.3
FAES 1313	66.3	20.3	43.3
FAES 1308	80.0	5.7	42.8
09-TZ-53-20	73.3	8.7	41.0
FAES 1306	73.3	6.7	40.0
FAES 1303	73.3	6.3	39.8
GGZ 504	66.7	10.7	38.7
FAES 1322	63.3	13.0	38.2
FAES 1310	61.7	7.7	34.7
CSZ 1105	56.7	10.0	33.3
LSD VALUE	28.8	6.3	14.7
C.V. (%)	21.8	10.3	21.6

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 13. PERCENT LIVING GROUND COVER (SUMMER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN SUMMER: LOCATIONS 2/						
NAME	FL4	IN1	NC1	TN1	TX1	MEAN
DALZ 1302	97.7	98.7	98.3	96.7	98.3	97.9
FAES 1305	99.0	97.7	97.0	95.3	97.3	97.3
FAES 1312	99.0	99.0	96.7	94.3	97.3	97.3
09-TZ-54-9	99.0	.	97.0	94.0	99.0	97.3
FAES 1318	97.7	.	97.0	95.0	99.0	97.2
FAES 1319	99.0	.	97.7	94.7	97.3	97.2
FAES 1313	99.0	.	95.7	94.7	98.3	96.9
FAES 1307	96.0	.	97.0	94.3	98.7	96.5
FAES 1316	94.3	.	97.7	94.3	98.7	96.3
10-TZ-1254	97.7	.	95.7	95.0	96.3	96.2
FAES 1314	96.3	.	95.0	94.7	98.7	96.2
FAES 1322	99.0	.	96.3	90.0	98.7	96.0
A-1	99.0	.	94.7	91.3	98.7	95.9
DALZ 1301	99.0	87.7	95.0	96.0	99.0	95.3
FAES 1329	99.0	.	93.7	91.0	97.7	95.3
FAES 1306	97.7	.	95.7	88.0	99.0	95.1
DALZ 1303	99.0	.	95.0	87.3	99.0	95.1
KSUZ 1201	89.7	96.7	97.0	95.7	96.0	95.0
11-TZ-4321	99.0	84.3	97.7	96.3	96.7	94.8
FAES 1328	91.3	.	94.0	94.7	99.0	94.8
FAES 1303	99.0	.	92.0	88.0	99.0	94.5
ZEON	97.7	82.7	97.7	94.0	98.7	94.1
CSZ 1105	92.7	.	93.0	91.0	99.0	93.9
09-TZ-53-20	94.7	.	95.0	87.0	98.7	93.8
FAES 1315	93.0	.	95.7	87.0	99.0	93.7
FAES 1317	86.7	.	96.3	94.3	97.3	93.7
FAES 1310	96.3	.	95.0	84.0	99.0	93.6
FAES 1309	99.0	.	92.0	85.3	97.0	93.3
10-TZ-35	85.0	87.7	97.7	94.7	98.7	92.7
FAES 1304	97.7	78.7	96.3	95.0	96.0	92.7
GGZ 504	89.7	.	93.3	87.3	90.0	90.1
MEYER	63.3	98.3	94.7	94.7	97.7	89.7
EMPIRE	92.7	66.3	98.3	95.0	93.0	89.1
FAES 1308	94.7	.	91.7	70.0	97.3	88.4
CSZ 1109	96.3	.	87.3	68.3	97.3	87.3
LSD VALUE	8.6	30.5	3.1	5.6	3.7	4.8
C.V. (%)	5.6	21.4	2.0	3.8	2.4	6.5

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 14. PERCENT LIVING GROUND COVER (FALL) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2016 DATA

PERCENT LIVING GROUND COVER IN FALL: LOCATIONS 2/

NAME	FL4	NC1	TN1	MEAN
10-TZ-1254	99.0	99.0	96.7	98.2
FAES 1313	97.7	99.0	97.3	98.0
EMPIRE	99.0	99.0	95.0	97.7
DALZ 1303	97.7	98.3	96.7	97.6
10-TZ-35	97.7	99.0	95.7	97.4
FAES 1305	97.7	99.0	94.7	97.1
11-TZ-4321	97.7	99.0	94.0	96.9
DALZ 1302	97.7	99.0	94.0	96.9
FAES 1312	97.7	99.0	94.0	96.9
FAES 1322	96.0	99.0	95.0	96.7
A-1	96.0	99.0	94.0	96.3
FAES 1318	94.3	98.3	96.3	96.3
FAES 1304	93.0	98.3	96.7	96.0
DALZ 1301	94.7	97.7	95.3	95.9
FAES 1306	93.0	98.3	96.0	95.8
FAES 1319	91.3	99.0	96.7	95.7
09-TZ-54-9	90.0	99.0	97.7	95.6
ZEON	93.0	99.0	94.3	95.4
FAES 1308	91.7	95.7	96.3	94.6
FAES 1310	90.0	96.3	97.3	94.6
CSZ 1105	89.3	97.7	96.3	94.4
CSZ 1109	94.7	93.3	95.3	94.4
FAES 1303	90.0	95.7	97.0	94.2
GGZ 504	85.0	98.3	97.3	93.6
FAES 1316	83.3	99.0	96.3	92.9
FAES 1309	86.7	95.0	95.0	92.2
FAES 1328	81.7	96.3	95.7	91.2
FAES 1315	76.7	99.0	96.7	90.8
FAES 1307	76.7	99.0	96.0	90.6
FAES 1329	75.0	96.3	96.3	89.2
FAES 1314	68.3	99.0	96.3	87.9
KSUZ 1201	70.0	99.0	93.7	87.6
09-TZ-53-20	67.5	97.0	97.3	87.3
FAES 1317	58.3	99.0	97.3	84.9
MEYER	47.5	97.0	91.7	78.7
LSD VALUE	16.9	1.4	1.8	5.6
C.V. (%)	11.9	0.9	1.2	6.4

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 15. WINTER COLOR RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2016 DATA

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

NAME	AZ1	TX1	MEAN
09-TZ-54-9	6.3	1.7	4.0
DALZ 1303	6.7	1.3	4.0
FAES 1309	6.3	1.7	4.0
FAES 1313	6.7	1.0	3.8
CSZ 1109	6.3	1.3	3.8
FAES 1315	6.3	1.0	3.7
CSZ 1105	5.7	1.3	3.5
FAES 1307	5.3	1.7	3.5
FAES 1308	6.0	1.0	3.5
FAES 1322	4.7	2.3	3.5
FAES 1329	5.7	1.3	3.5
09-TZ-53-20	5.0	1.7	3.3
DALZ 1301	5.0	1.7	3.3
FAES 1304	5.7	1.0	3.3
FAES 1306	5.0	1.7	3.3
FAES 1310	5.7	1.0	3.3
FAES 1317	5.3	1.3	3.3
FAES 1303	5.0	1.0	3.0
10-TZ-1254	4.0	1.7	2.8
A-1	4.7	1.0	2.8
DALZ 1302	4.7	1.0	2.8
FAES 1305	4.7	1.0	2.8
FAES 1312	4.7	1.0	2.8
ZEON	4.7	1.0	2.8
FAES 1318	4.0	1.0	2.5
GGZ 504	4.0	1.0	2.5
11-TZ-4321	3.7	1.0	2.3
FAES 1316	3.3	1.0	2.2
FAES 1319	2.7	1.0	1.8
10-TZ-35	2.3	1.0	1.7
EMPIRE	2.3	1.0	1.7
FAES 1314	2.3	1.0	1.7
FAES 1328	2.3	1.0	1.7
MEYER	1.7	1.3	1.5
KSUZ 1201	1.0	1.0	1.0
LSD VALUE	2.5	0.6	1.3
C.V. (%)	34.5	29.7	39.5

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 16. INSECT DAMAGE RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2016 DATA

INSECT DAMAGE RATINGS 1-9; 9=NO DAMAGE 2/

NAME	FL4
DALZ 1301	9.0
10-TZ-1254	8.7
11-TZ-4321	8.7
A-1	8.7
EMPIRE	8.7
FAES 1303	8.7
FAES 1305	8.7
CSZ 1109	8.3
DALZ 1302	8.3
DALZ 1303	8.3
FAES 1308	8.3
FAES 1312	8.3
FAES 1319	8.3
FAES 1306	8.0
FAES 1310	8.0
10-TZ-35	7.7
FAES 1304	7.7
ZEON	7.7
FAES 1313	7.3
CSZ 1105	6.7
FAES 1318	6.7
09-TZ-54-9	6.3
FAES 1309	5.7
FAES 1322	5.7
FAES 1307	5.3
FAES 1314	5.3
FAES 1329	5.3
FAES 1317	5.0
FAES 1328	5.0
GGZ 504	5.0
FAES 1316	4.7
09-TZ-53-20	4.3
KSUZ 1201	4.3
FAES 1315	3.7
MEYER	2.7
LSD VALUE	2.3
C.V. (%)	21.4

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 17. FALL COLOR (SEPTEMBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2016 DATA

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

NAME	FL4	GA1	TN1	MEAN
EMPIRE	8.0	6.3	7.7	7.3
11-TZ-4321	7.3	6.7	7.0	7.0
FAES 1319	6.7	6.7	7.7	7.0
10-TZ-1254	6.7	6.0	8.0	6.9
DALZ 1302	8.0	5.7	7.0	6.9
09-TZ-54-9	6.3	6.0	8.3	6.9
FAES 1309	6.3	6.3	8.0	6.9
10-TZ-35	7.7	6.0	6.3	6.7
CSZ 1109	7.3	6.0	6.7	6.7
FAES 1304	6.7	5.7	7.7	6.7
FAES 1313	7.7	5.7	6.7	6.7
DALZ 1303	8.0	6.0	5.7	6.6
FAES 1303	8.0	6.0	5.7	6.6
FAES 1305	8.0	6.0	5.7	6.6
A-1	8.0	6.0	5.3	6.4
FAES 1310	7.3	6.3	5.7	6.4
FAES 1316	6.3	6.0	7.0	6.4
CSZ 1105	6.7	6.0	6.3	6.3
FAES 1306	7.0	6.0	6.0	6.3
FAES 1322	6.3	6.3	6.3	6.3
FAES 1328	5.7	6.0	7.3	6.3
GGZ 504	5.7	5.7	7.7	6.3
FAES 1308	7.0	5.7	6.0	6.2
DALZ 1301	6.3	6.3	6.0	6.2
FAES 1315	6.0	6.0	6.0	6.0
FAES 1329	5.0	6.3	6.7	6.0
FAES 1318	6.0	5.7	6.0	5.9
FAES 1314	5.3	5.3	7.0	5.9
FAES 1312	7.3	5.3	4.7	5.8
09-TZ-53-20	4.3	6.3	6.3	5.7
FAES 1307	5.7	6.0	5.3	5.7
ZEON	6.0	5.0	5.0	5.3
FAES 1317	3.7	5.0	6.7	5.1
KSUZ 1201	4.7	5.0	5.3	5.0
MEYER	4.3	4.7	5.3	4.8
LSD VALUE	2.0	1.0	1.5	0.9
C.V. (%)	18.9	10.4	14.0	15.1

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 18. FALL COLOR (OCTOBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2016 DATA

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

NAME	FL3	FL4	GA1	NC1	TN1	TX1	MEAN
FAES 1319	6.0	7.7	6.0	8.0	7.0	8.0	7.1
FAES 1304	6.3	6.7	6.3	7.7	8.0	7.3	7.1
DALZ 1302	5.7	8.0	6.0	8.0	7.0	7.3	7.0
10-TZ-1254	6.7	7.3	6.0	8.0	7.0	7.0	7.0
10-TZ-35	6.3	7.3	6.0	8.0	7.0	7.3	7.0
FAES 1313	7.0	7.3	5.7	8.0	6.7	7.3	7.0
FAES 1305	6.3	6.3	6.0	7.7	8.0	7.7	7.0
FAES 1316	6.3	7.0	5.7	8.0	7.7	6.7	6.9
FAES 1318	5.3	6.7	6.0	8.0	7.7	7.3	6.8
FAES 1322	4.7	7.3	6.0	8.0	6.0	9.0	6.8
09-TZ-54-9	5.0	6.3	5.7	8.3	7.0	8.3	6.8
11-TZ-4321	5.0	7.7	6.0	8.0	7.0	7.0	6.8
FAES 1315	5.7	6.0	6.0	8.0	7.0	8.0	6.8
FAES 1303	6.0	7.0	5.7	8.0	7.0	6.7	6.7
FAES 1317	7.0	4.3	5.7	8.0	8.0	7.3	6.7
A-1	6.0	6.7	5.7	8.3	7.0	6.3	6.7
CSZ 1109	6.7	7.0	5.7	7.3	7.0	6.3	6.7
FAES 1328	6.7	5.7	6.3	8.0	7.0	6.3	6.7
FAES 1306	5.0	6.7	6.3	7.7	6.7	7.7	6.7
FAES 1310	5.7	6.3	6.0	8.0	7.0	7.0	6.7
FAES 1312	7.0	7.3	5.3	8.0	6.0	6.3	6.7
EMPIRE	5.7	7.0	5.7	8.0	7.0	6.3	6.6
FAES 1329	6.7	5.3	6.3	7.7	7.0	6.7	6.6
GGZ 504	6.3	5.7	5.7	7.0	8.0	6.7	6.6
DALZ 1301	4.3	6.3	6.3	7.3	7.0	7.7	6.5
DALZ 1303	4.7	7.0	5.7	7.7	6.0	7.7	6.4
CSZ 1105	5.3	6.3	6.0	7.7	6.3	6.7	6.4
FAES 1307	5.0	5.7	6.0	8.0	7.0	6.3	6.3
09-TZ-53-20	5.7	3.3	6.3	7.7	7.3	7.3	6.3
FAES 1308	5.0	7.0	5.7	7.3	6.3	6.3	6.3
FAES 1309	5.3	5.3	6.3	7.0	6.0	7.0	6.2
FAES 1314	5.7	5.0	5.3	7.7	8.0	5.3	6.2
KSUZ 1201	6.3	5.0	5.0	7.7	7.0	6.0	6.2
ZEON	5.0	6.0	4.7	8.0	6.0	6.3	6.0
MEYER	4.0	4.3	4.7	7.3	7.0	7.0	5.7
LSD VALUE	1.3	1.5	1.0	0.7	0.4	1.8	0.5
C.V. (%)	13.9	14.6	10.6	5.7	3.7	16.3	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 19. FALL COLOR (NOVEMBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2016 DATA

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

NAME	AZ1	FL4	GA1	NC1	TN1	TX1	MEAN
FAES 1304	7.7	5.7	6.0	4.3	7.0	4.7	5.9
09-TZ-54-9	7.7	5.7	5.7	5.3	6.7	4.0	5.8
FAES 1329	7.3	5.3	6.7	3.3	6.7	4.3	5.6
DALZ 1301	7.3	5.0	6.0	3.0	6.7	5.3	5.6
FAES 1309	8.0	5.7	6.3	4.0	5.7	3.7	5.6
FAES 1319	6.7	6.0	5.7	2.7	7.3	5.0	5.6
09-TZ-53-20	7.7	4.0	6.0	4.3	6.7	4.3	5.5
10-TZ-1254	6.3	5.7	6.0	3.0	7.0	5.0	5.5
CSZ 1109	7.7	6.0	5.7	3.7	5.3	4.7	5.5
FAES 1315	8.0	5.0	5.7	4.7	5.3	4.3	5.5
FAES 1322	5.7	5.3	5.7	5.0	5.7	5.3	5.4
FAES 1305	6.7	5.0	6.0	3.7	6.7	4.3	5.4
FAES 1313	6.7	6.0	5.0	4.0	6.3	4.0	5.3
DALZ 1303	8.7	5.7	6.0	2.7	3.3	5.3	5.3
DALZ 1302	7.0	5.7	6.0	1.7	6.3	4.7	5.2
FAES 1307	7.0	5.3	6.0	3.0	6.0	3.7	5.2
FAES 1316	6.7	5.7	5.7	2.0	6.3	4.7	5.2
A-1	6.0	5.0	5.3	4.7	6.0	3.7	5.1
FAES 1306	7.0	5.7	6.0	2.3	3.7	5.7	5.1
FAES 1312	7.3	5.3	4.7	3.0	6.3	3.7	5.1
FAES 1317	7.0	4.3	6.0	3.7	6.0	3.3	5.1
ZEON	7.0	5.0	4.7	2.7	6.3	4.3	5.0
FAES 1310	7.7	6.0	6.0	3.0	2.7	4.0	4.9
10-TZ-35	5.3	5.3	5.7	2.0	6.3	4.7	4.9
11-TZ-4321	6.0	5.0	6.0	1.3	7.0	4.0	4.9
FAES 1318	7.0	5.3	6.0	1.7	5.3	4.0	4.9
FAES 1308	8.0	6.0	5.7	1.7	3.0	4.3	4.8
CSZ 1105	6.0	5.3	6.3	1.7	4.7	4.3	4.7
EMPIRE	6.3	4.0	5.7	2.3	6.0	4.0	4.7
FAES 1303	7.7	5.7	5.3	2.0	3.3	4.3	4.7
GGZ 504	6.0	5.0	6.0	2.7	5.3	3.3	4.7
FAES 1328	4.0	4.0	6.0	2.0	7.0	3.7	4.4
FAES 1314	4.7	4.7	5.3	1.3	6.0	2.7	4.1
MEYER	5.7	3.3	5.0	1.0	5.7	3.0	3.9
KSUZ 1201	3.7	4.0	5.0	2.0	5.0	3.3	3.8
LSD VALUE	2.2	1.0	1.2	1.2	1.1	1.7	0.6
C.V. (%)	20.8	11.4	12.7	26.8	12.2	24.6	17.9

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 20. FALL COLOR (DECEMBER) RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2016 DATA

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

NAME	AZ1	FL4	GA1	TN1	TX1	MEAN
CSZ 1109	6.3	6.0	5.0	2.0	3.3	4.5
DALZ 1303	6.7	5.7	5.7	2.0	2.7	4.5
09-TZ-54-9	6.3	5.3	5.3	2.0	3.0	4.4
FAES 1313	6.7	6.3	5.0	2.0	2.0	4.4
FAES 1308	6.0	6.0	4.7	2.0	2.7	4.3
FAES 1322	4.7	5.7	5.3	2.0	3.7	4.3
FAES 1309	6.3	6.0	5.3	2.0	1.7	4.3
FAES 1329	5.7	5.0	6.3	2.0	2.3	4.3
CSZ 1105	5.7	5.3	6.0	2.0	1.7	4.1
FAES 1306	5.0	6.0	5.3	2.0	2.3	4.1
FAES 1315	6.3	4.7	5.3	2.0	2.3	4.1
09-TZ-53-20	5.0	5.0	5.7	2.0	2.7	4.1
FAES 1303	5.0	6.0	5.0	2.0	2.3	4.1
FAES 1304	5.7	5.3	5.0	2.0	2.0	4.0
FAES 1307	5.3	5.7	5.3	2.0	1.7	4.0
DALZ 1301	5.0	4.7	5.7	2.0	2.3	3.9
FAES 1305	4.7	5.0	5.3	2.7	2.0	3.9
FAES 1310	5.7	5.7	5.0	2.0	1.0	3.9
10-TZ-1254	4.0	5.3	5.0	3.0	2.0	3.9
FAES 1317	5.3	4.0	4.7	2.0	2.3	3.7
A-1	4.7	5.0	4.7	2.0	1.7	3.6
GGZ 504	4.0	5.0	5.3	2.0	1.7	3.6
DALZ 1302	4.7	4.7	5.0	2.0	1.0	3.5
FAES 1319	2.7	5.7	5.3	2.0	1.7	3.5
11-TZ-4321	3.7	4.0	6.0	2.0	1.7	3.5
FAES 1318	4.0	5.0	5.3	2.0	1.0	3.5
FAES 1312	4.7	5.0	4.0	2.0	1.3	3.4
ZEON	4.7	5.0	4.0	2.0	1.0	3.3
FAES 1316	3.3	5.3	5.0	2.0	1.0	3.3
FAES 1314	2.3	5.3	5.3	2.0	1.0	3.2
FAES 1328	2.3	4.3	5.0	2.3	1.0	3.0
10-TZ-35	2.3	4.7	4.7	2.0	1.0	2.9
EMPIRE	2.3	4.3	5.0	2.0	1.0	2.9
KSUZ 1201	1.0	4.0	4.3	2.0	1.0	2.5
MEYER	1.7	2.7	4.0	2.0	1.0	2.3
LSD VALUE	2.5	1.0	1.6	0.2	1.1	0.7
C.V. (%)	34.5	12.5	19.5	6.7	38.5	25.1

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 21. SEEDHEAD RATINGS OF ZOYSIAGRASS CULTIVARS 1/
2016 DATA

SEEDHEAD RATINGS 1-9; 9=NONE 2/

NAME	NC1	TX1	MEAN
CSZ 1105	9.0	9.0	9.0
CSZ 1109	9.0	9.0	9.0
DALZ 1303	9.0	9.0	9.0
FAES 1303	9.0	9.0	9.0
FAES 1306	9.0	9.0	9.0
FAES 1308	9.0	9.0	9.0
FAES 1310	9.0	9.0	9.0
FAES 1315	9.0	9.0	9.0
FAES 1322	9.0	9.0	9.0
FAES 1328	9.0	9.0	9.0
ZEON	9.0	9.0	9.0
DALZ 1301	9.0	8.7	8.8
FAES 1307	9.0	8.7	8.8
FAES 1312	9.0	8.7	8.8
FAES 1314	9.0	8.7	8.8
A-1	9.0	8.3	8.7
FAES 1317	9.0	8.3	8.7
FAES 1313	8.7	8.7	8.7
FAES 1329	9.0	8.0	8.5
DALZ 1302	9.0	7.7	8.3
FAES 1305	9.0	7.7	8.3
FAES 1316	8.3	8.3	8.3
09-TZ-53-20	8.7	8.0	8.3
FAES 1318	9.0	7.3	8.2
11-TZ-4321	6.7	9.0	7.8
FAES 1309	9.0	6.7	7.8
FAES 1319	8.3	7.0	7.7
GGZ 504	9.0	6.3	7.7
10-TZ-1254	7.0	7.3	7.2
10-TZ-35	5.7	8.3	7.0
EMPIRE	5.3	8.7	7.0
KSUZ 1201	4.3	7.0	5.7
FAES 1304	5.7	5.0	5.3
MEYER	2.0	4.7	3.3
09-TZ-54-9	2.3	3.3	2.8
LSD VALUE	1.7	1.4	1.1
C.V. (%)	13.6	10.8	12.3

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 22. PERCENT GREEN COVER RATINGS OF ZOYSIAGRASS CULTIVARS
AT FAYETTEVILLE, AR 1/
2016 DATA

PERCENT GREEN COVER RATINGS USED DIGITAL IMAGE ANALYSIS 2/

NAME	APRIL	MAY	MEAN
FAES 1307	77.7	97.7	87.7
KSUZ 1201	77.3	94.0	85.7
DALZ 1301	74.0	94.3	84.2
FAES 1305	69.0	97.7	83.3
CSZ 1105	68.3	95.7	82.0
FAES 1313	66.0	96.7	81.3
09-TZ-54-9	73.0	89.0	81.0
FAES 1322	70.3	91.3	80.8
ZEON	64.7	95.3	80.0
FAES 1328	67.7	92.0	79.8
FAES 1315	67.7	90.3	79.0
FAES 1319	65.7	92.0	78.8
EMPIRE	68.3	88.7	78.5
FAES 1312	70.3	86.7	78.5
MEYER	74.7	81.7	78.2
FAES 1304	68.3	86.0	77.2
FAES 1314	62.0	89.7	75.8
11-TZ-4321	78.3	73.0	75.7
A-1	55.7	94.3	75.0
FAES 1316	60.3	87.7	74.0
10-TZ-1254	68.0	79.0	73.5
DALZ 1302	62.7	84.3	73.5
CSZ 1109	53.0	91.3	72.2
FAES 1329	51.7	92.7	72.2
10-TZ-35	65.0	78.3	71.7
FAES 1310	48.3	93.0	70.7
FAES 1306	49.0	92.0	70.5
FAES 1317	51.7	81.3	66.5
09-TZ-53-20	52.7	80.0	66.3
FAES 1303	41.7	90.3	66.0
DALZ 1303	48.3	82.0	65.2
FAES 1318	51.0	79.0	65.0
GGZ 504	42.0	81.0	61.5
FAES 1308	35.7	62.3	49.0
FAES 1309	10.3	12.7	11.5
LSD VALUE	25.8	19.2	19.8
C.V. (%)	23.7	13.7	16.0

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.

APPENDIX TABLE. SUMMARY OF TURFGRASS QUALITY RATINGS FOR ZOYSIAGRASS CULTIVARS */
2016 DATA

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

NAME	QUALITY	MAXIMUM
	MEAN 1/	IN TOP 25% 2/
09-TZ-53-20	5.2	18.2
09-TZ-54-9	6.6	45.5
10-TZ-1254	6.2	27.3
10-TZ-35	6.0	9.1
11-TZ-4321	6.3	27.3
A-1	6.2	27.3
CSZ 1105	5.5	9.1
CSZ 1109	5.0	0.0
DALZ 1301	6.7	54.5
DALZ 1302	6.3	27.3
DALZ 1303	5.8	27.3
EMPIRE	5.7	9.1
FAES 1303	5.3	18.2
FAES 1304	6.2	9.1
FAES 1305	7.0	54.5
FAES 1306	5.4	18.2
FAES 1307	6.3	0.0
FAES 1308	4.8	9.1
FAES 1309	4.9	18.2
FAES 1310	5.2	9.1
FAES 1312	6.6	36.4
FAES 1313	6.4	45.5
FAES 1314	5.9	0.0
FAES 1315	5.8	9.1
FAES 1316	5.8	9.1
FAES 1317	5.8	9.1
FAES 1318	6.0	9.1
FAES 1319	6.7	72.7
FAES 1322	5.5	27.3
FAES 1328	5.8	18.2
FAES 1329	6.0	36.4
GGZ 504	5.2	0.0
KSUZ 1201	6.1	27.3
MEYER	5.3	18.2
ZEON	6.4	18.2
LSD VALUE	0.3	
C.V. (%)	10.8	

*/ 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).

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

1/ MEAN AN AVERAGE OF ALL THE TURFGRASS QUALITY RATINGS FROM ALL LOCATIONS.

2/ MAXIMUM IN TOP 25% THE PERCENTAGE OF LOCATIONS WHERE THAT ENTRY FINISHED IN THE TOP 25% OF ALL ENTRIES.